

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050819\
 Data File : VN055479.D
 Acq On : 8 May 2019 16:59
 Operator : JC/SP
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 6:32:47 PM

Quant Time: May 09 03:58:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 03:36:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	760561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1310854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1107767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	404113	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	113622	11.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.14%	
35) Dibromofluoromethane	7.59	113	84901	9.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.68%	
50) Toluene-d8	10.09	98	327303	10.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.66%	
62) 4-Bromofluorobenzene	12.40	95	105121	10.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.04%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	76464	8.576	ug/l 97
3) Chloromethane	2.06	50	127721	10.989	ug/l 96
4) Vinyl Chloride	2.19	62	119796	12.370	ug/l 98
5) Bromomethane	2.55	94	68524	13.208	ug/l 96
6) Chloroethane	2.69	64	69947	13.146	ug/l 96
7) Trichlorofluoromethane	3.01	101	131769	9.971	ug/l 97
8) Diethyl Ether	3.41	74	59783	12.439	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	82490	10.411	ug/l 99
10) Methyl Iodide	3.94	142	109028	9.804	ug/l 98
11) Tert butyl alcohol	4.82	59	83737	104.688	ug/l 98
12) 1,1-Dichloroethene	3.73	96	84150	11.010	ug/l 99
13) Acrolein	3.61	56	49283	85.903	ug/l 95
14) Allyl chloride	4.32	41	169400	10.703	ug/l 99
15) Acrylonitrile	5.00	53	268553	75.728	ug/l 99
16) Acetone	3.82	43	282758	81.542	ug/l 100
17) Carbon Disulfide	4.04	76	219998	10.979	ug/l 98
18) Methyl Acetate	4.33	43	119462	12.463	ug/l 98
19) Methyl tert-butyl Ether	5.05	73	280972	12.699	ug/l 98
20) Methylene Chloride	4.54	84	105977	10.949	ug/l 99
21) trans-1,2-Dichloroethene	5.04	96	91130	11.223	ug/l 93
22) Diisopropyl ether	5.96	45	356553	11.276	ug/l 98
23) Vinyl Acetate	5.90	43	1339855	62.639	ug/l 99
24) 1,1-Dichloroethane	5.85	63	191767	11.383	ug/l 99
25) 2-Butanone	6.85	43	378812	83.155	ug/l 99
26) 2,2-Dichloropropane	6.82	77	117917	10.281	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	106698	11.494	ug/l 99
28) Bromochloromethane	7.20	49	91781	10.685	ug/l 100
29) Tetrahydrofuran	7.22	42	246808	84.568	ug/l 99
30) Chloroform	7.37	83	177482	11.154	ug/l 99
31) Cyclohexane	7.65	56	186910	11.568	ug/l # 92
32) 1,1,1-Trichloroethane	7.57	97	133383	10.420	ug/l 99
36) 1,1-Dichloropropene	7.79	75	129933	10.188	ug/l 99
37) Ethyl Acetate	6.94	43	153014	14.554	ug/l 96
38) Carbon Tetrachloride	7.77	117	102822	8.597	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	155119	11.289	ug/l	97
40) Benzene	8.04	78	407755	10.819	ug/l	100
41) Methacrylonitrile	7.18	41	65483	12.055	ug/l	92
42) 1,2-Dichloroethane	8.13	62	142819	10.747	ug/l	99
43) Isopropyl Acetate	8.17	43	211988	12.759	ug/l	97
44) Trichloroethene	8.84	130	98402	10.368	ug/l	96
45) 1,2-Dichloropropane	9.12	63	115368	10.652	ug/l	97
46) Dibromomethane	9.21	93	68878	11.497	ug/l	98
47) Bromodichloromethane	9.40	83	127246	10.095	ug/l	93
48) Methyl methacrylate	9.20	41	104154	12.826	ug/l	98
49) 1,4-Dioxane	9.20	88	40740	403.891	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	706897	72.904	ug/l	99
52) Toluene	10.16	92	225817	10.432	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	115473	10.380	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	143556	10.424	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	94357	11.596	ug/l	99
56) Ethyl methacrylate	10.43	69	136334	13.097	ug/l	99
57) 1,3-Dichloropropane	10.71	76	169561	11.833	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	174744	61.865	ug/l	99
59) 2-Hexanone	10.75	43	503304	80.522	ug/l	99
60) Dibromochloromethane	10.90	129	82791	10.177	ug/l	99
61) 1,2-Dibromoethane	11.01	107	89650	11.806	ug/l	99
64) Tetrachloroethene	10.63	164	93697	10.283	ug/l	98
65) Chlorobenzene	11.43	112	234903	10.706	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	79033	9.373	ug/l	95
67) Ethyl Benzene	11.51	91	429989	10.804	ug/l	100
68) m/p-Xylenes	11.62	106	312254	21.929	ug/l	99
69) o-Xylene	11.95	106	153507	10.874	ug/l	100
70) Styrene	11.96	104	247926	11.378	ug/l	99
71) Bromoform	12.13	173	52772	10.963	ug/l #	98
73) Isopropylbenzene	12.25	105	413015	10.179	ug/l	98
74) N-amyl acetate	12.07	43	153696	13.726	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	132237	12.313	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	121627m	12.602	ug/l	
77) Bromobenzene	12.53	156	92355	10.063	ug/l	97
78) n-propylbenzene	12.59	91	446348	10.626	ug/l	99
79) 2-Chlorotoluene	12.67	91	281018	10.461	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	330481	10.293	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	30031	12.981	ug/l	90
82) 4-Chlorotoluene	12.77	91	259869	10.602	ug/l	99
83) tert-Butylbenzene	12.99	119	286934	10.002	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	305417	10.639	ug/l	100
85) sec-Butylbenzene	13.17	105	379524	10.838	ug/l	100
86) p-Isopropyltoluene	13.29	119	306676	10.671	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	141097	10.322	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	133881	10.394	ug/l	96
89) n-Butylbenzene	13.61	91	224506	10.834	ug/l	99
90) Hexachloroethane	13.87	117	49652	9.292	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	137642	10.149	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18320	15.442	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	39938	9.229	ug/l	99
94) Hexachlorobutadiene	15.01	225	48943	9.837	ug/l	98
95) Naphthalene	15.13	128	117752	11.722	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	48494	10.691	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

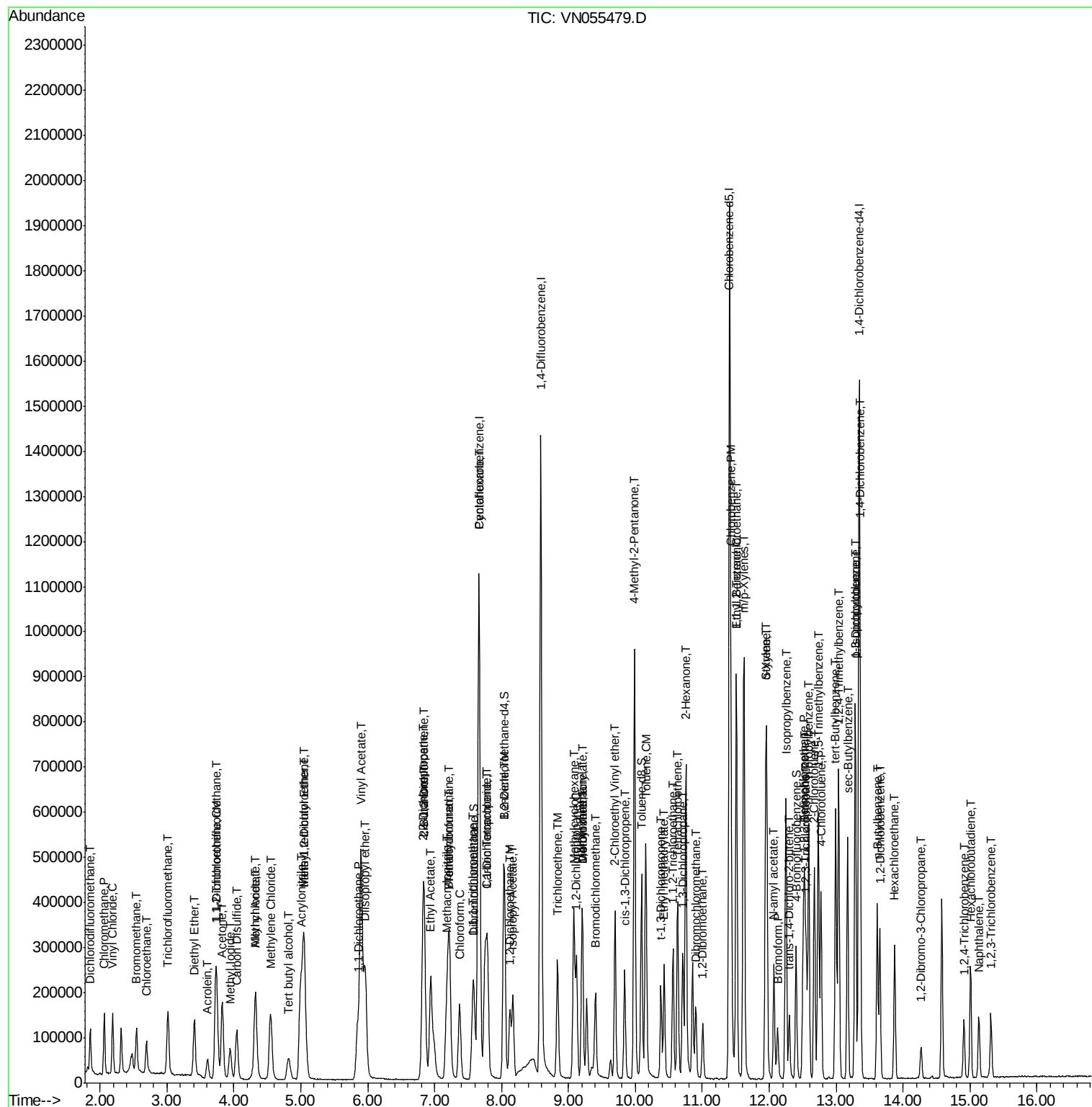
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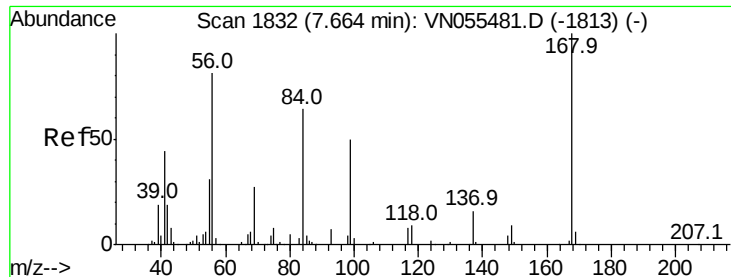
Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 760561

Ion Ratio Lower Upper

168 100

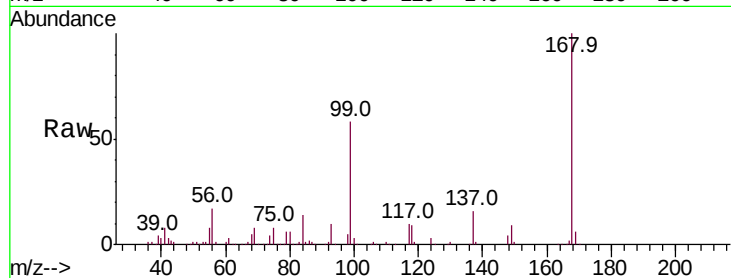
99 57.1 47.0 70.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN055479.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055479.D (-1739) (-)

7.67

300000

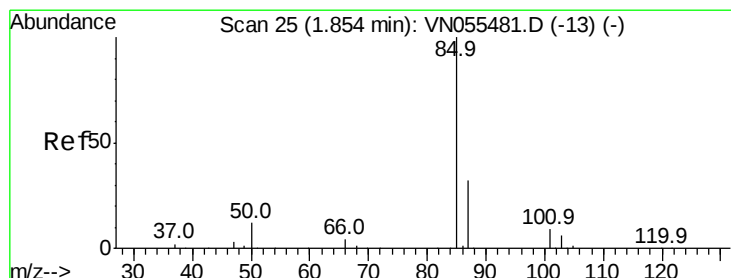
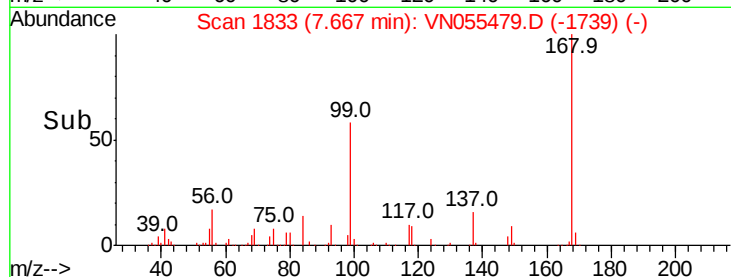
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 8.576 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055479.D

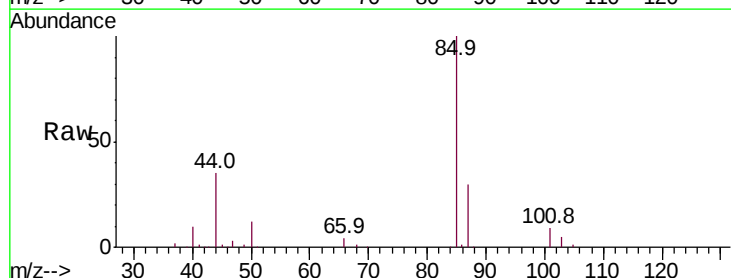
Acq: 8 May 2019 16:59

Tgt Ion: 85 Resp: 76464

Ion Ratio Lower Upper

85 100

87 30.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN055479.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN055479.D (-1) (-)

1.85

60000

50000

40000

30000

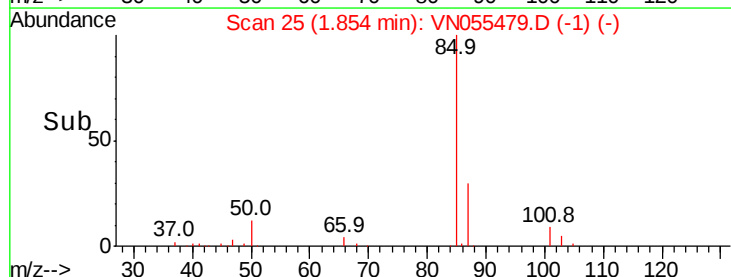
20000

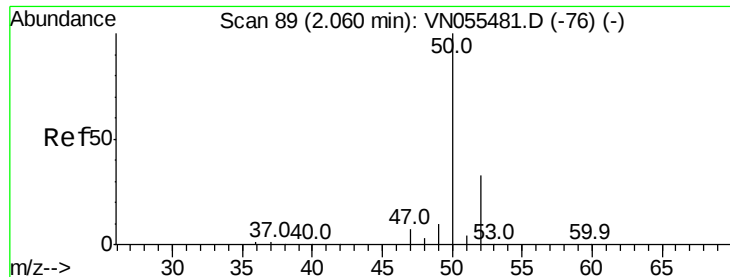
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 10.989 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 127721

Ion Ratio Lower Upper

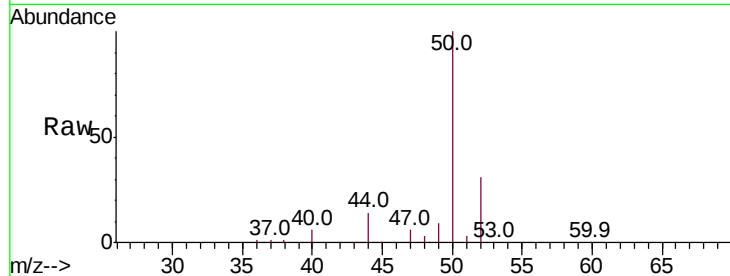
50 100

52 30.7 26.6 39.8

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

80000

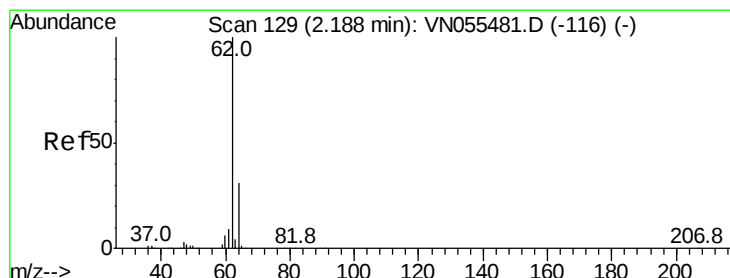
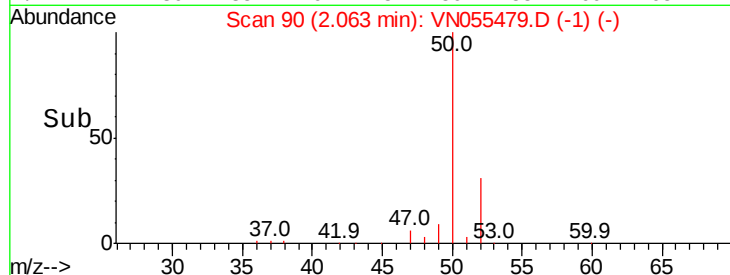
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 12.370 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055479.D

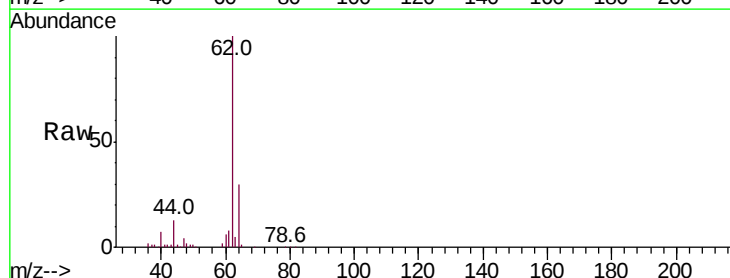
Acq: 8 May 2019 16:59

Tgt Ion: 62 Resp: 119796

Ion Ratio Lower Upper

62 100

64 30.2 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

80000

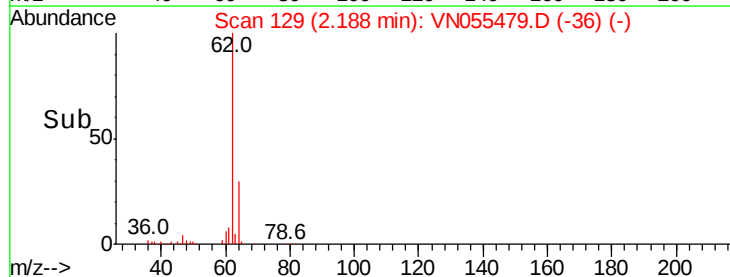
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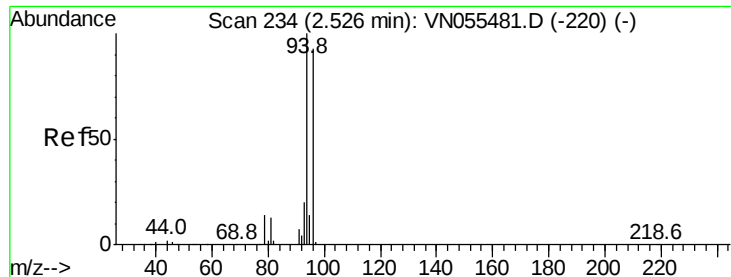
40000

20000

0

Time-->





#5

Bromomethane

Concen: 13.208 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 68524

Ion Ratio Lower Upper

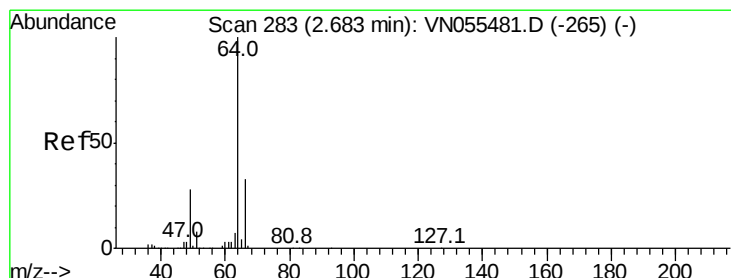
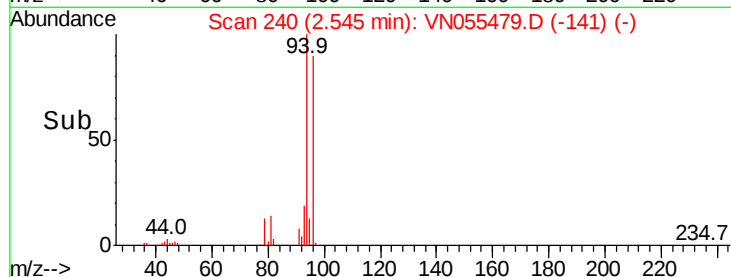
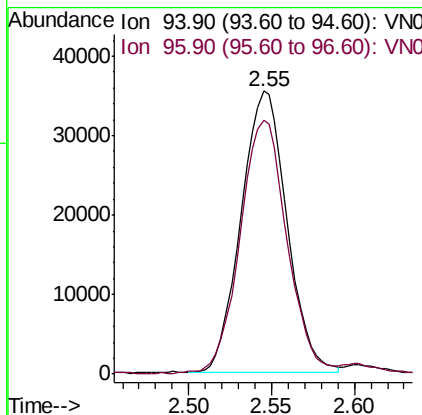
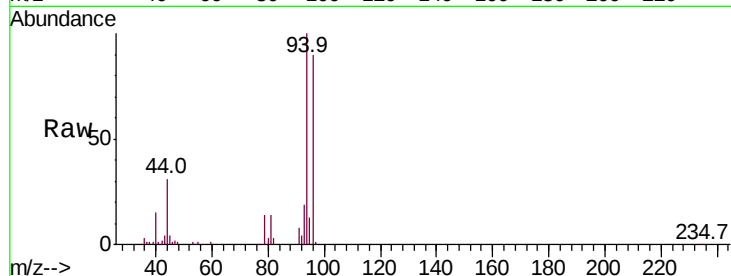
94 100

96 89.3 74.8 112.2

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#6

Chloroethane

Concen: 13.146 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055479.D

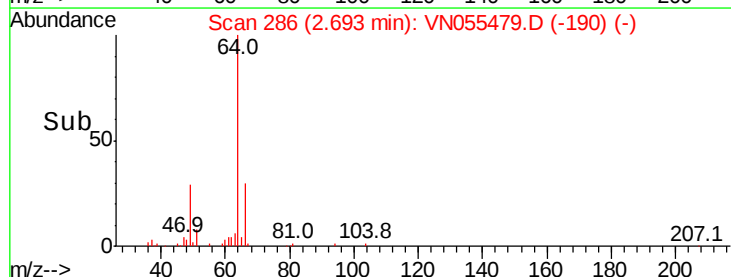
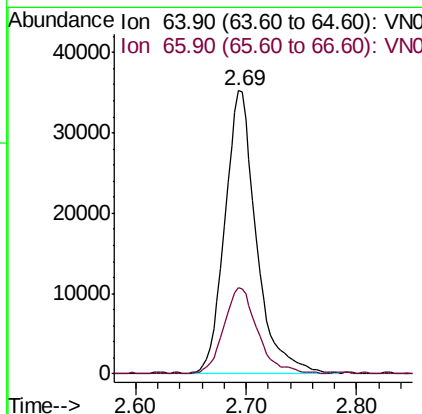
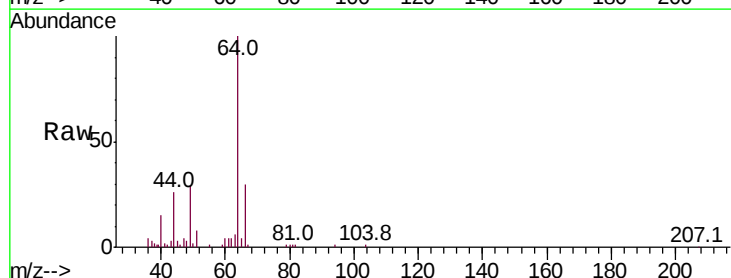
Acq: 8 May 2019 16:59

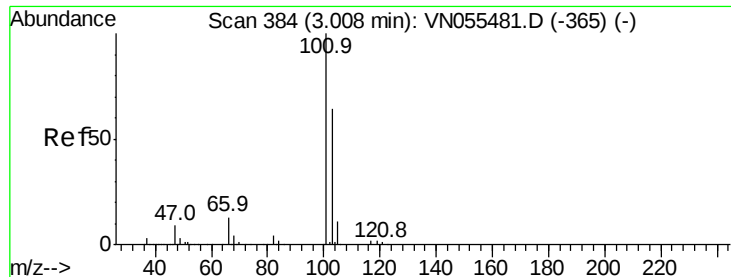
Tgt Ion: 64 Resp: 69947

Ion Ratio Lower Upper

64 100

66 30.4 26.2 39.2





#7

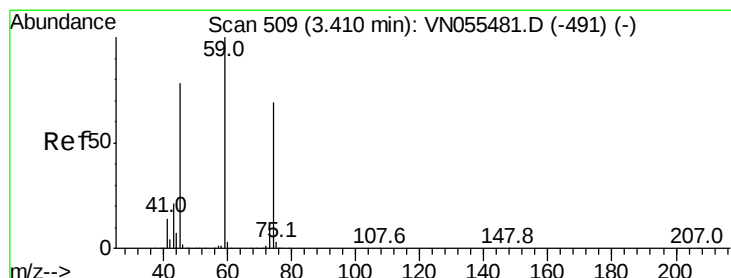
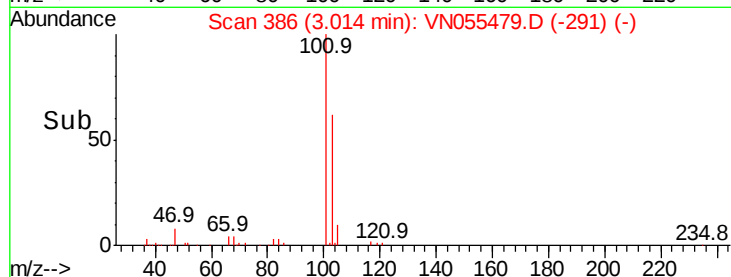
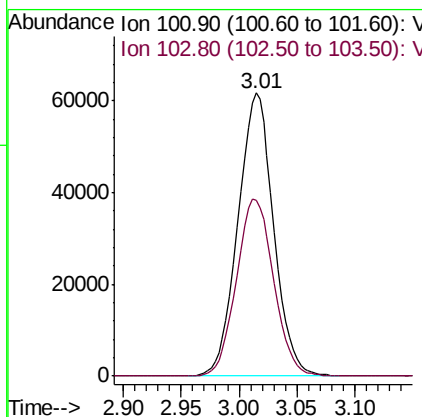
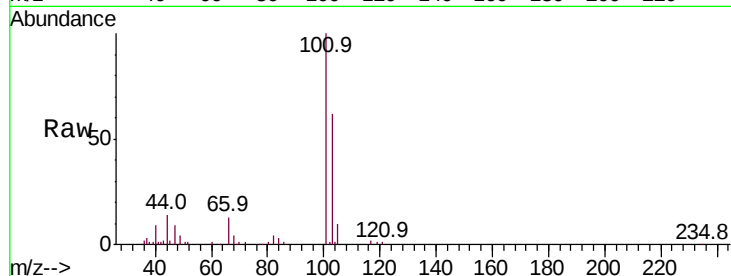
Trichlorofluoromethane
Concen: 9.971 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.01 min
Lab File: VN055479.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	51.2	76.8

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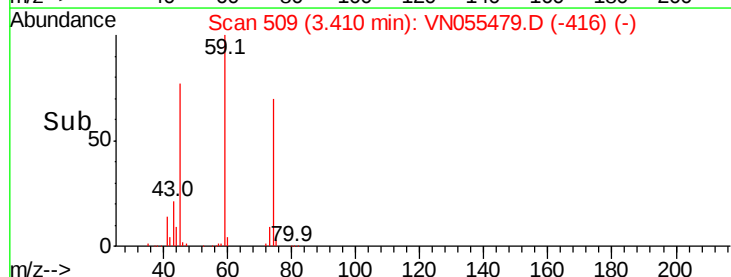
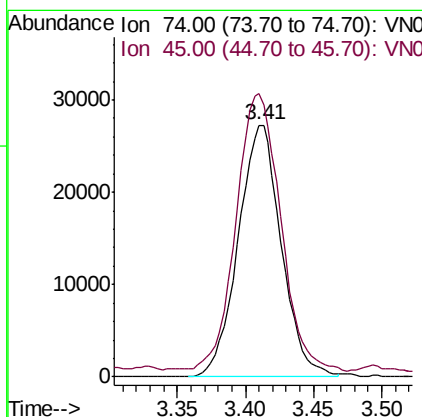
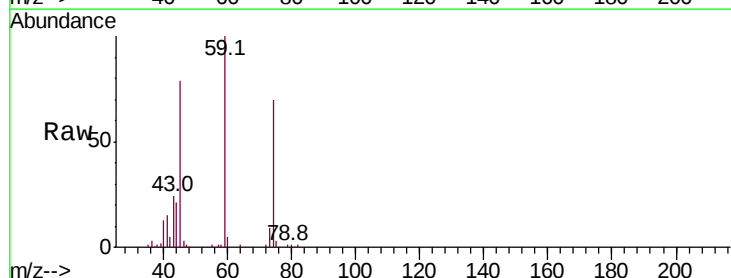
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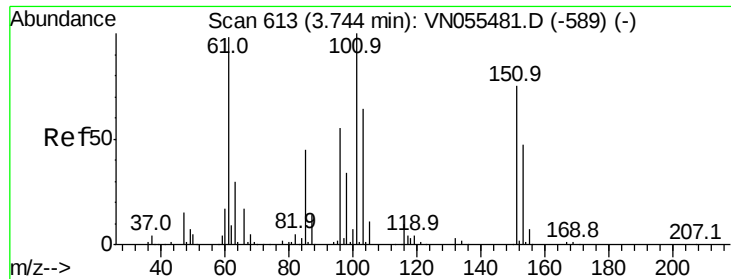


#8

Diethyl Ether
Concen: 12.439 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.2	58.1	174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.411 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055479.D

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Instrument :

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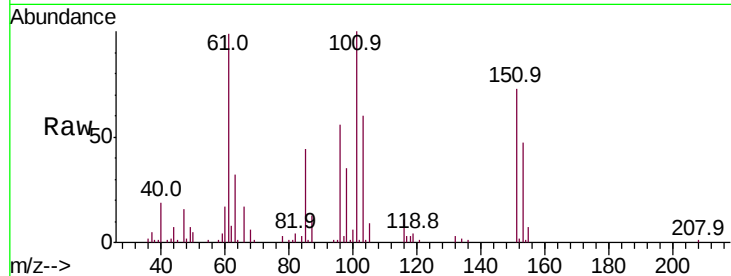
ClientSampled :

VSTDIC010

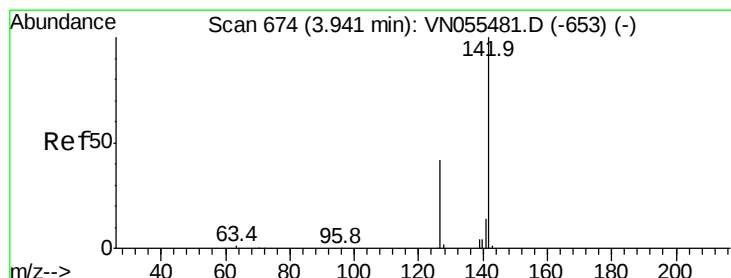
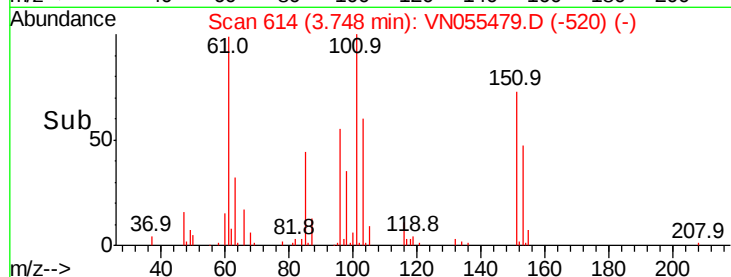
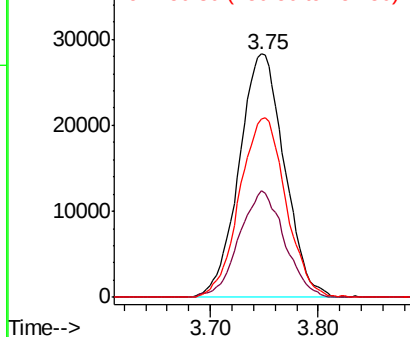
Tot Ion:	101	Resp:	82490
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.5	53.3
151	75.3	59.2	88.8

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.804 ug/l

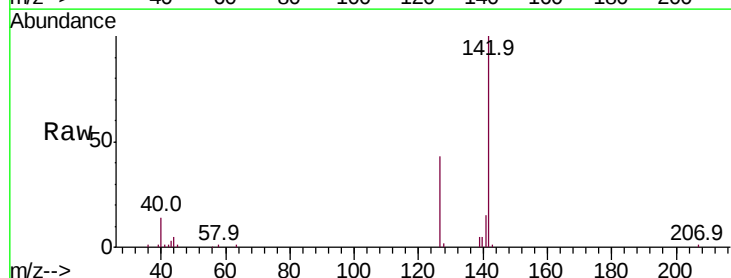
RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

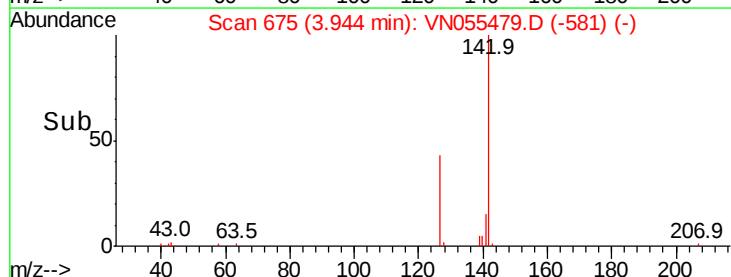
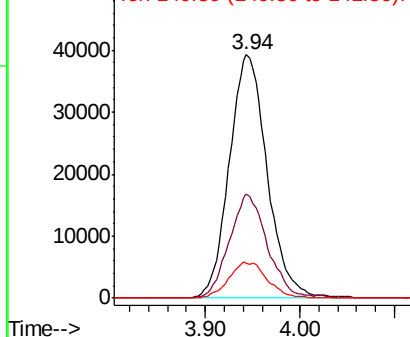
Lab File: VN055479.D

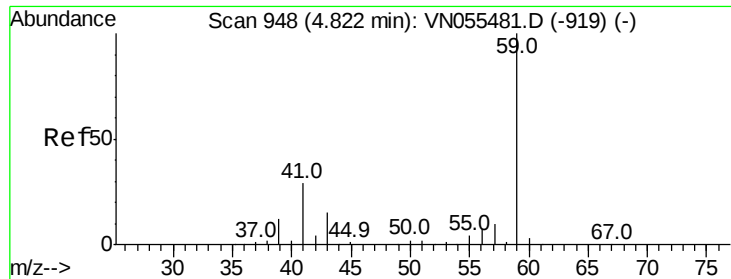
Acq: 8 May 2019 16:59

Tgt Ion:	142	Resp:	109028
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.0	49.4
141	14.9	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





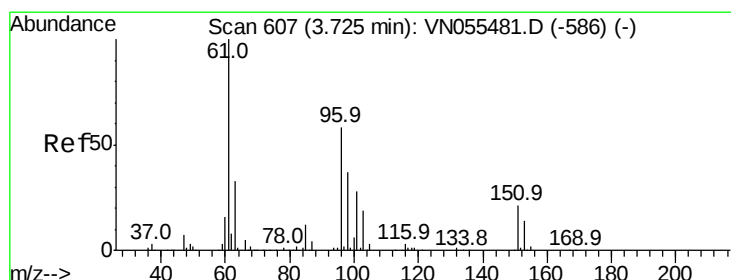
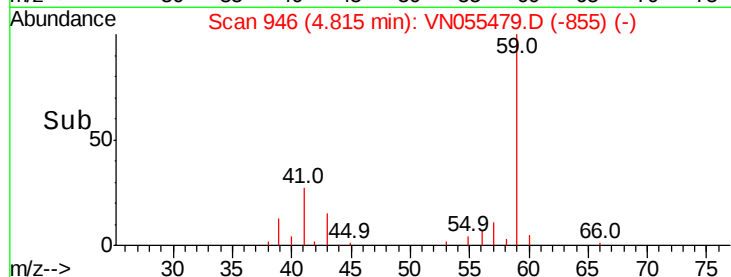
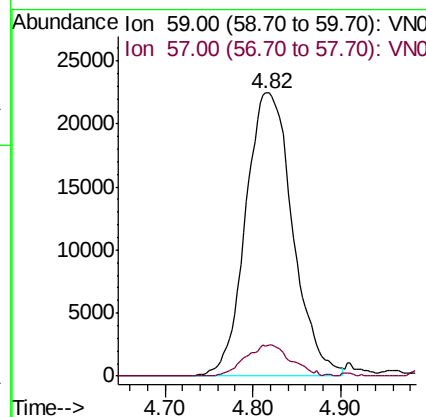
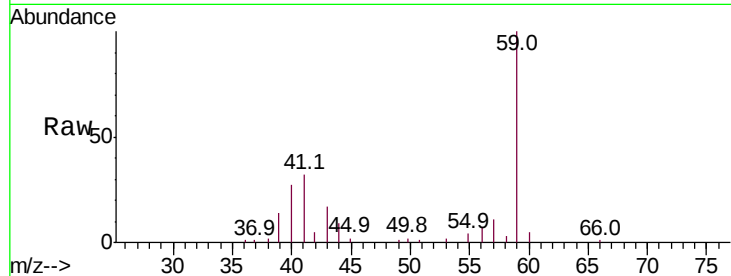
#11
Tert butyl alcohol
Concen: 104.688 ug/l
RT: 4.82 min Scan# 946
Delta R.T. -0.01 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion: 59 Resp: 83737
Ion Ratio Lower Upper
59 100
57 10.6 8.0 12.0

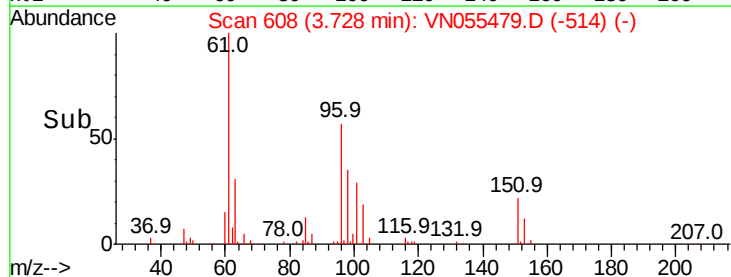
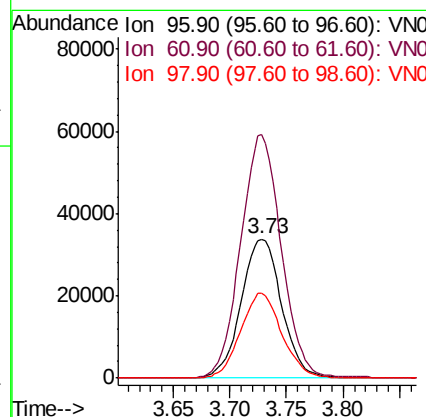
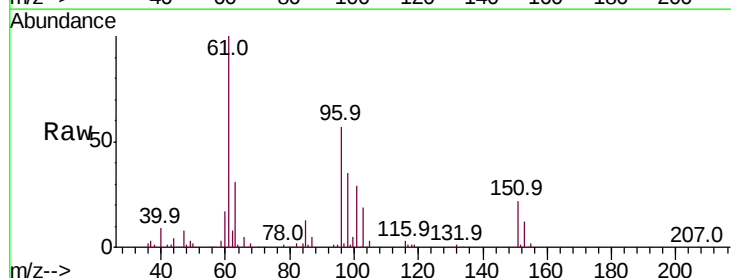
Manual Integrations
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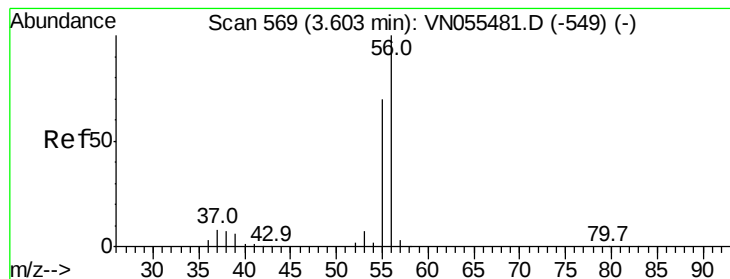
MMDadoda
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#12
1,1-Dichloroethene
Concen: 11.010 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion: 96 Resp: 84150
Ion Ratio Lower Upper
96 100
61 174.9 138.7 208.1
98 61.3 50.6 76.0





#13

Acrolein

Concen: 85.903 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 49283

Ion Ratio Lower Upper

56 100

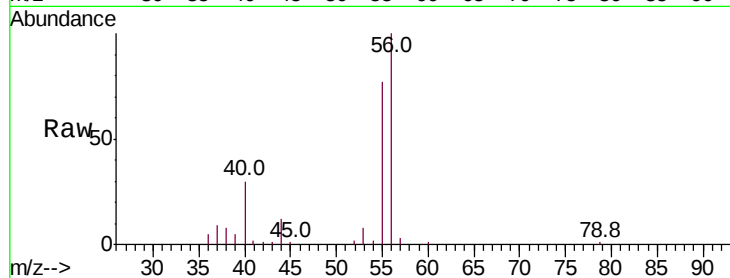
55 76.6 57.7 86.5

Manual Integrations

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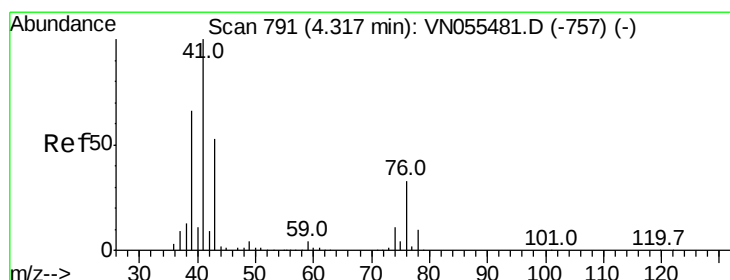
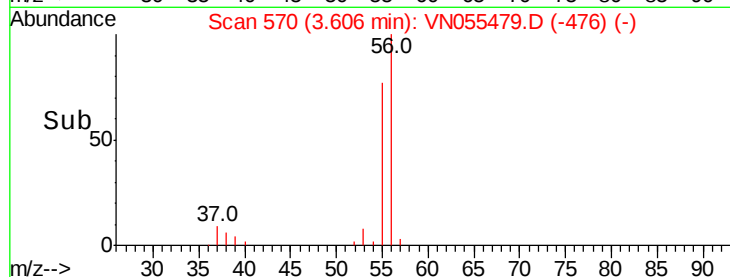
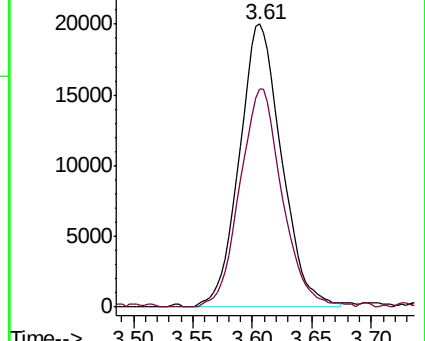
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 10.703 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

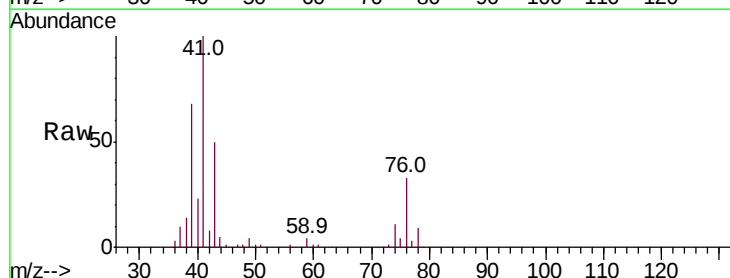
Tgt Ion: 41 Resp: 169400

Ion Ratio Lower Upper

41 100

39 62.8 49.8 74.8

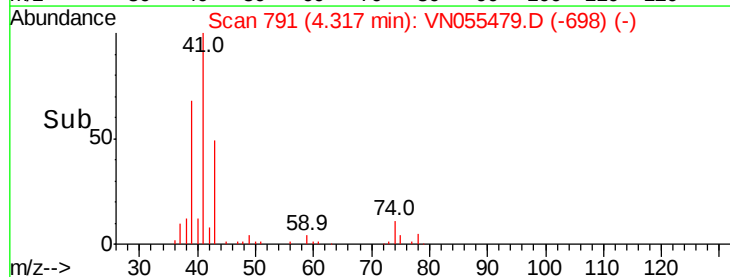
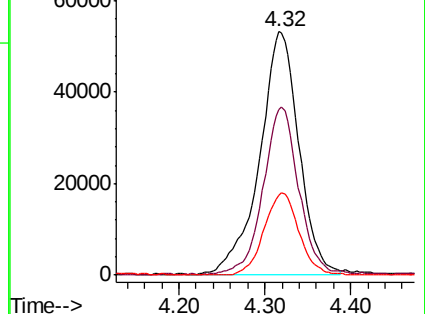
76 30.0 23.5 35.3

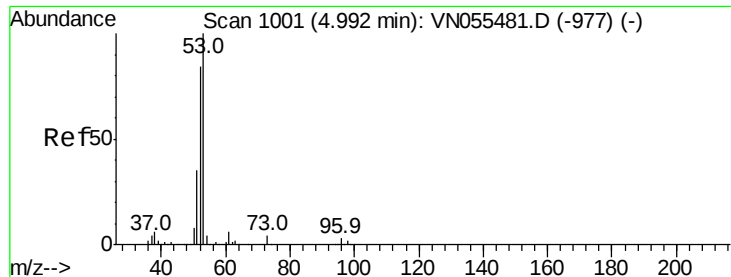


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 75.728 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

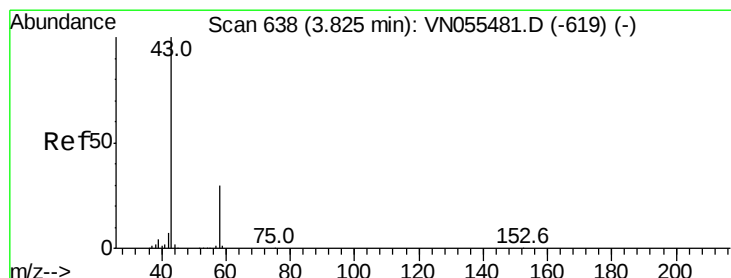
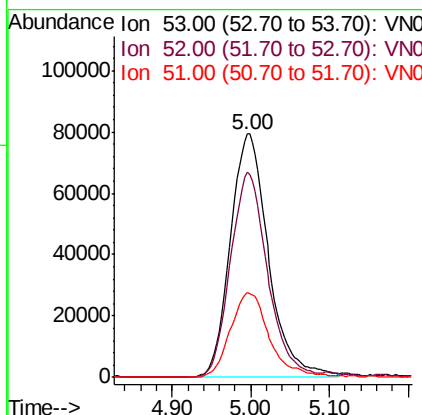
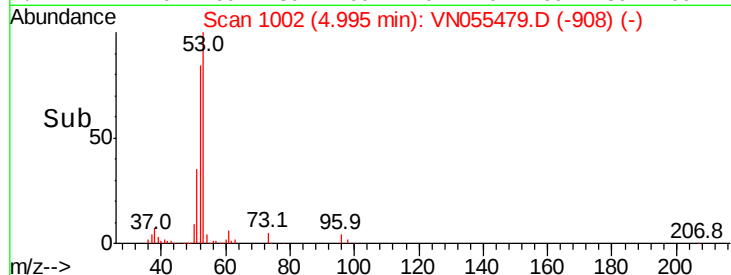
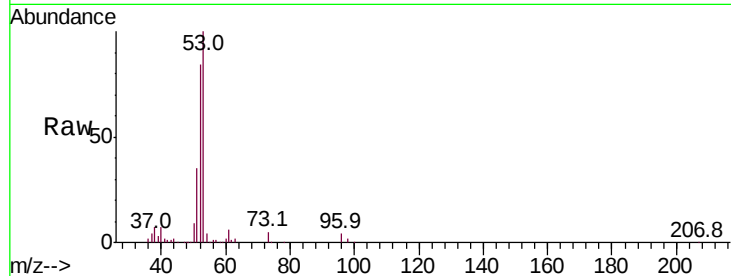
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	268553
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.1	99.1
51	35.4	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 81.542 ug/l

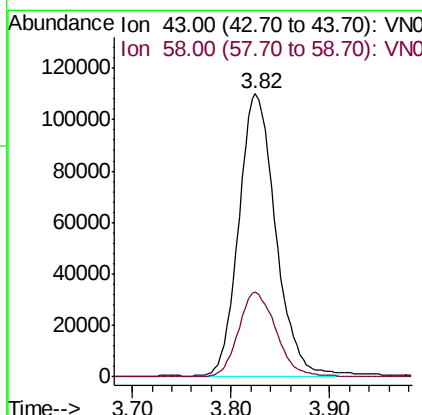
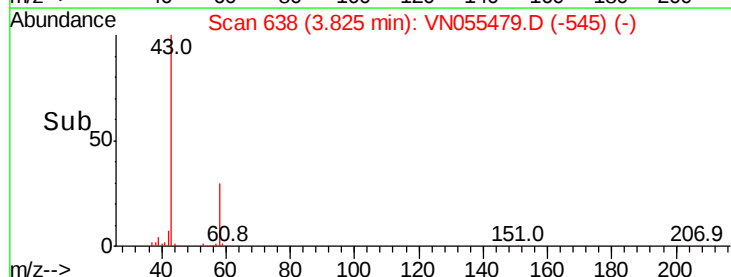
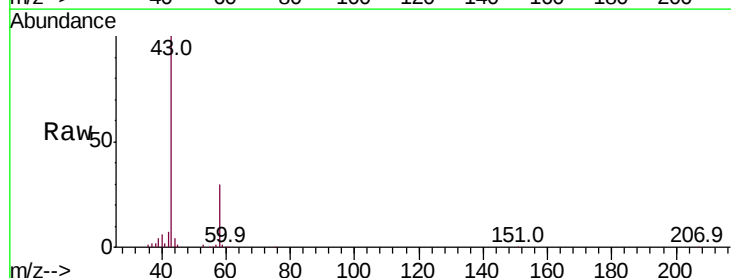
RT: 3.82 min Scan# 638

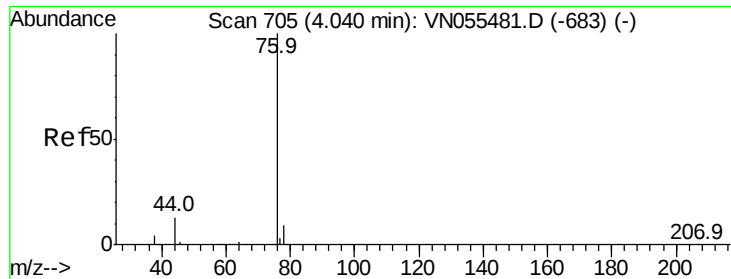
Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Tgt Ion:	43	Resp:	282758
Ion Ratio	Lower	Upper	
43	100		
58	30.2	24.2	36.2





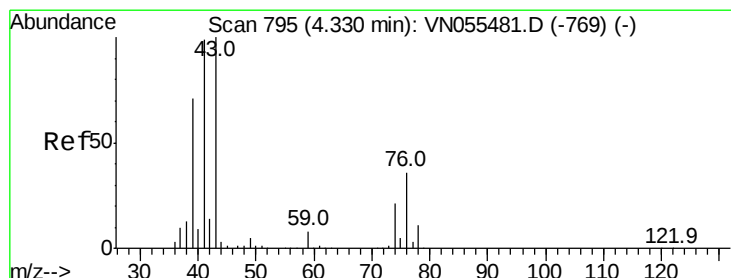
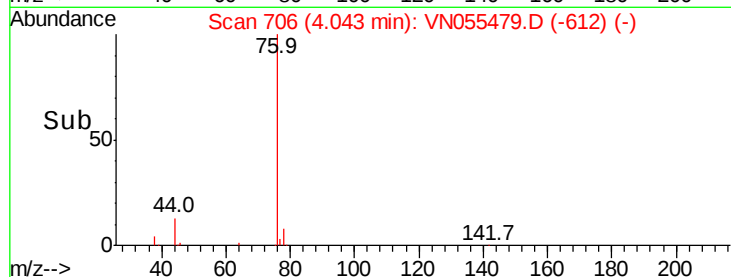
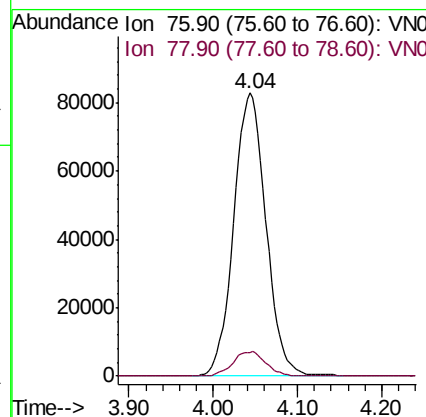
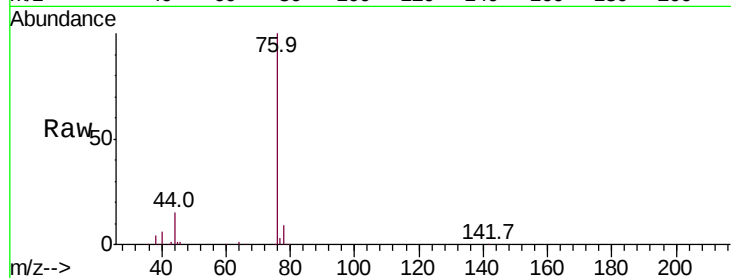
#17
Carbon Disulfide
Concen: 10.979 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.0

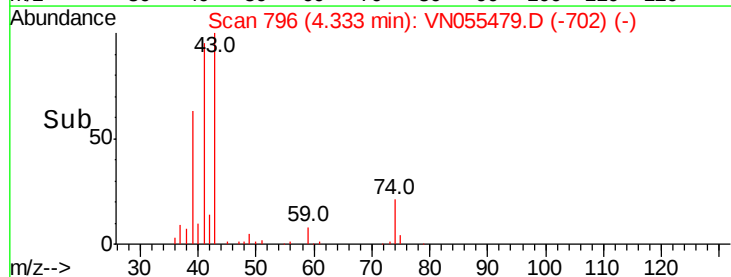
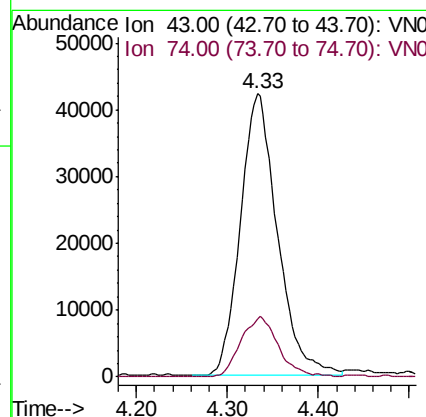
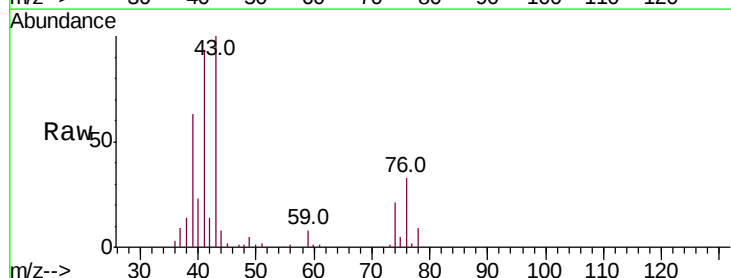
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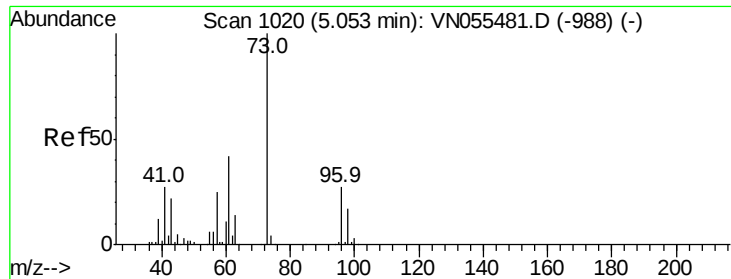
MMDadoda
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#18
Methyl Acetate
Concen: 12.463 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.3	24.5





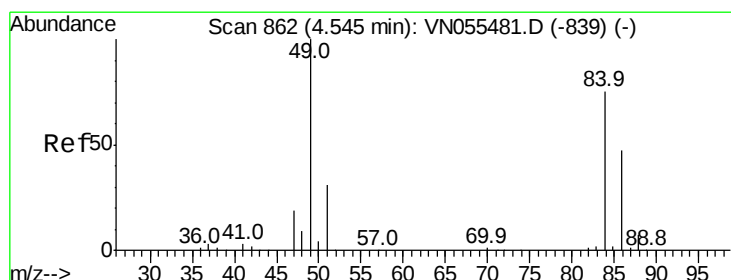
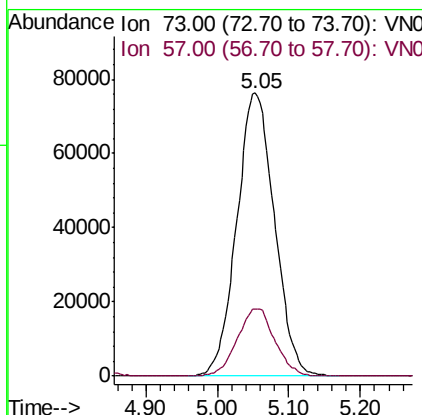
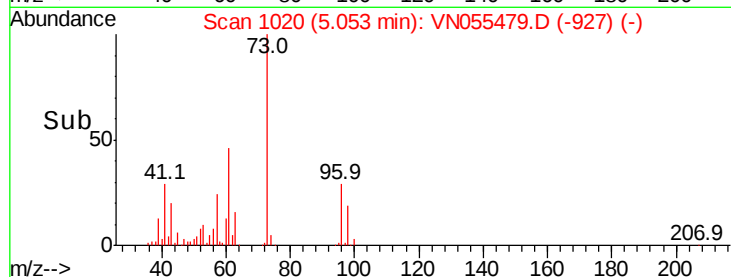
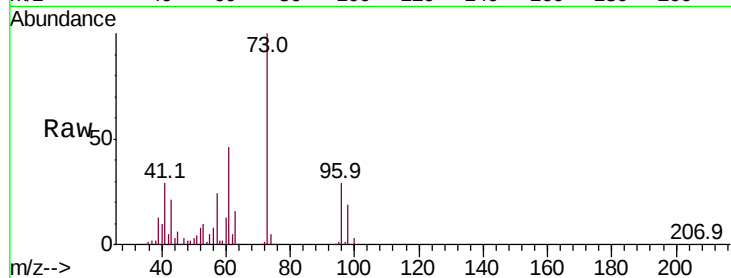
#19
Methvl tert-butvl Ether
Concen: 12.699 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 280972
Ion Ratio Lower Upper
73 100
57 23.9 20.0 30.0

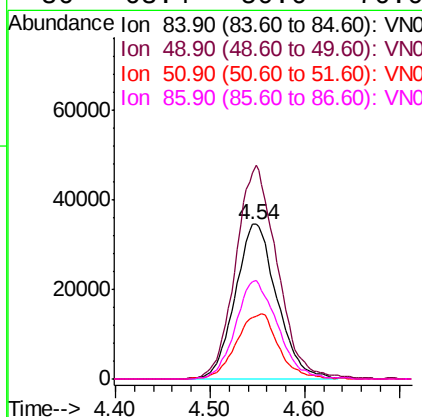
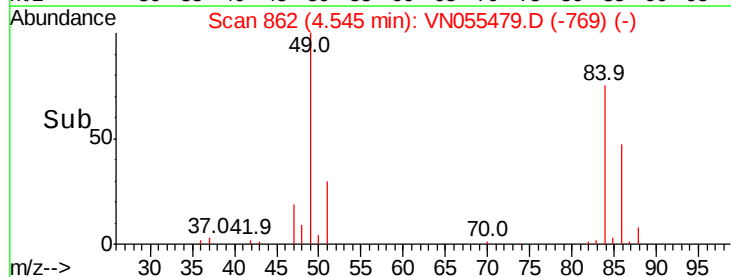
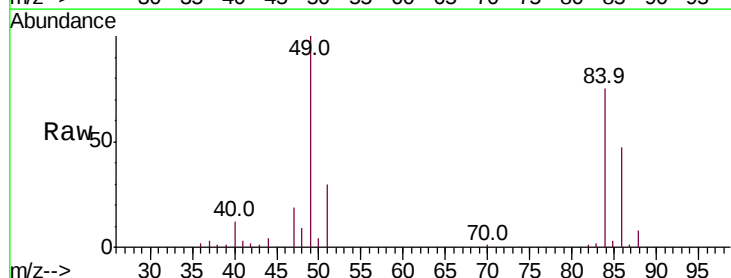
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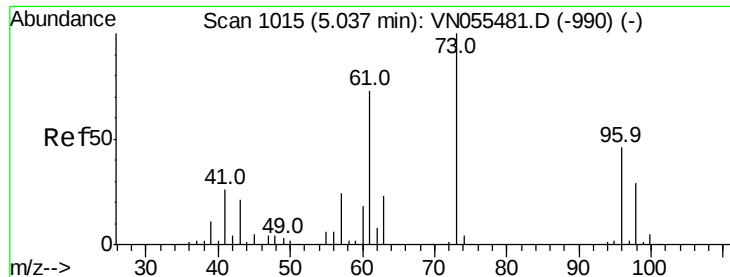
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#20
Methylene Chloride
Concen: 10.949 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion: 84 Resp: 105977
Ion Ratio Lower Upper
84 100
49 133.3 107.0 160.6
51 39.9 33.0 49.4
86 63.4 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 11.223 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 91130

Ion Ratio Lower Upper

96 100

61 149.3 127.4 191.0

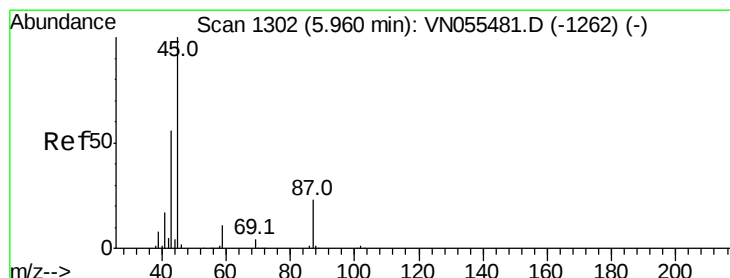
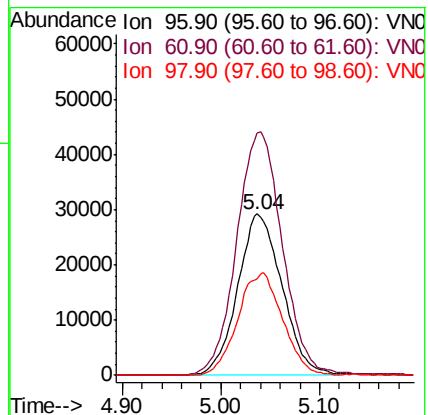
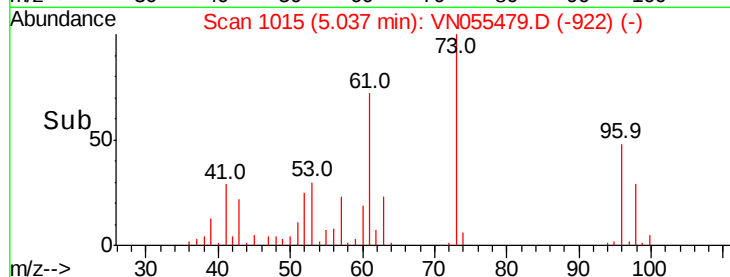
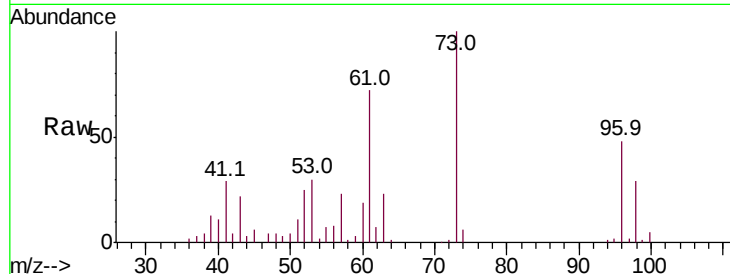
98 60.0 51.6 77.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 11.276 ug/l

RT: 5.96 min Scan# 1303

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Tgt Ion: 45 Resp: 356553

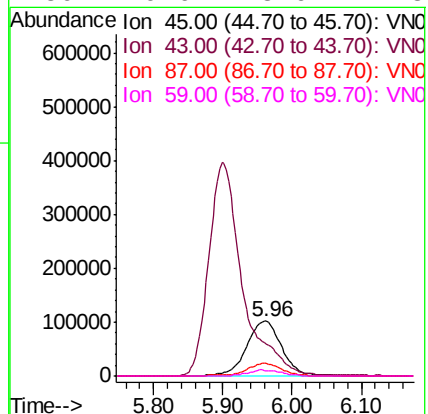
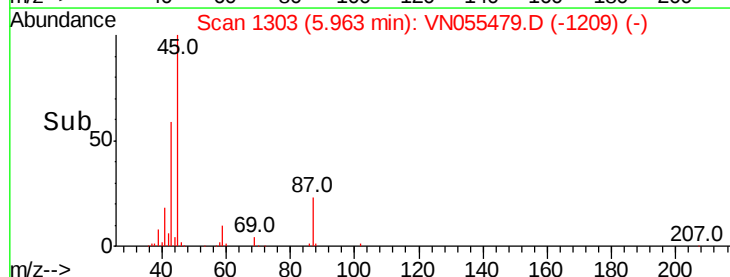
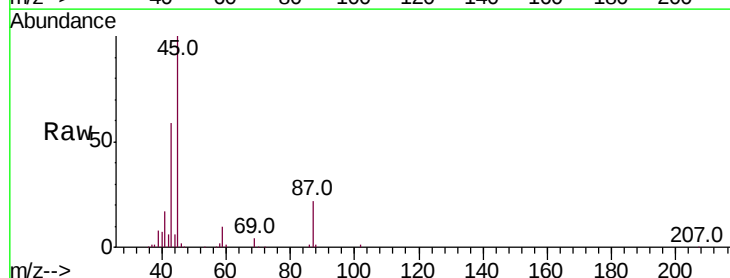
Ion Ratio Lower Upper

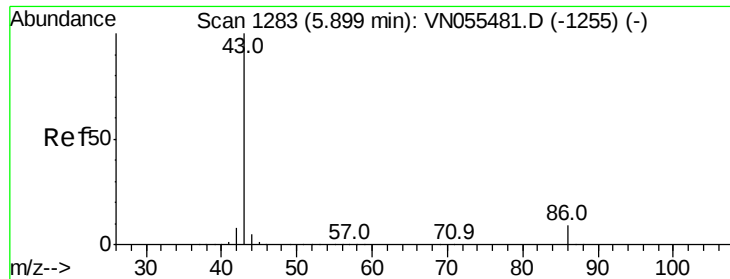
45 100

43 57.4 44.6 66.8

87 22.2 18.6 28.0

59 9.6 8.6 12.8





#23

Vinyl Acetate

Concen: 62.639 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 1339855

Ion Ratio Lower Upper

43 100

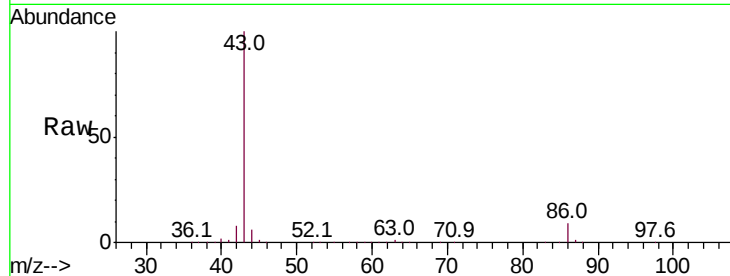
86 8.5 7.1 10.7

Manual Integrations

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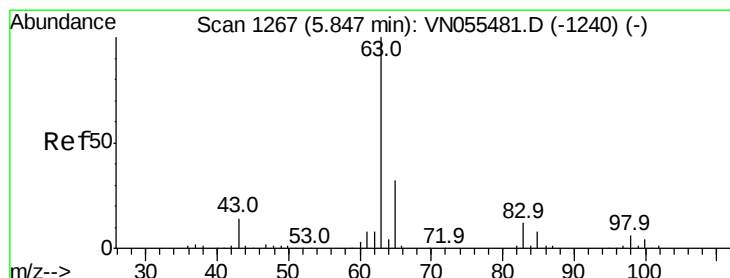
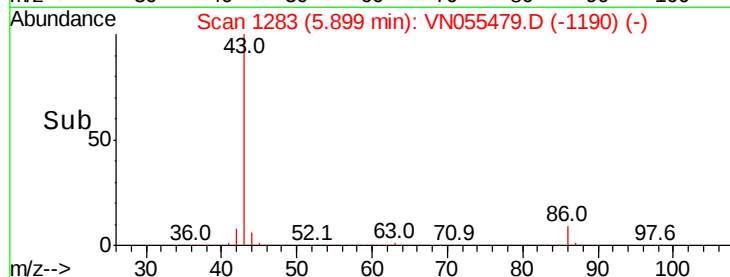
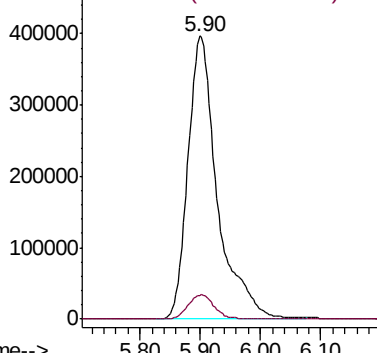
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 11.383 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

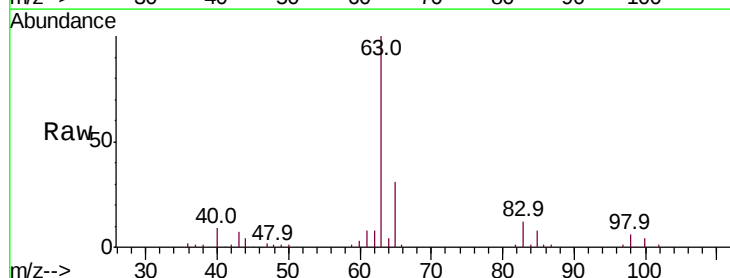
Tgt Ion: 63 Resp: 191767

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.0

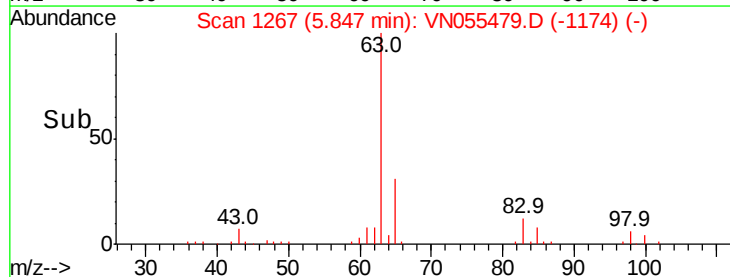
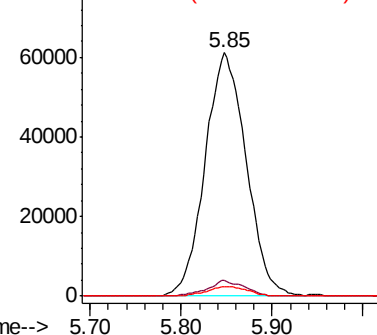
100 3.9 1.9 5.7

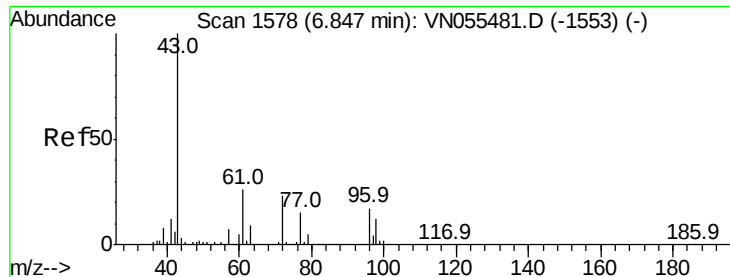


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 83.155 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 378812

Ion Ratio Lower Upper

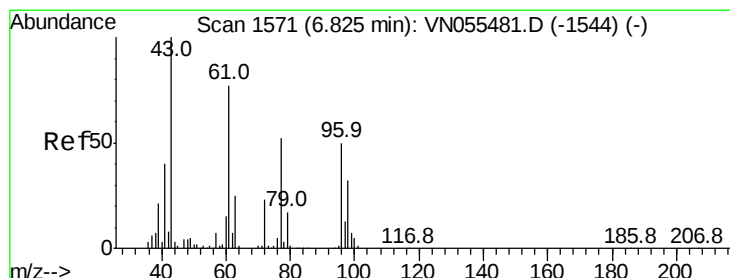
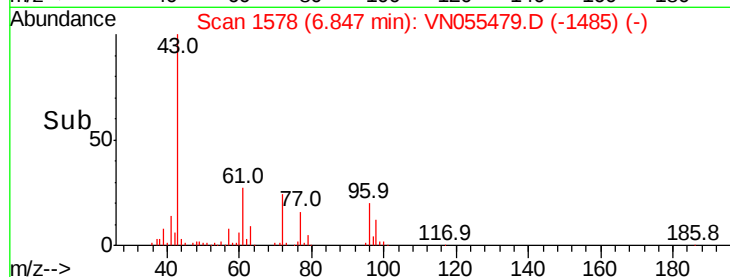
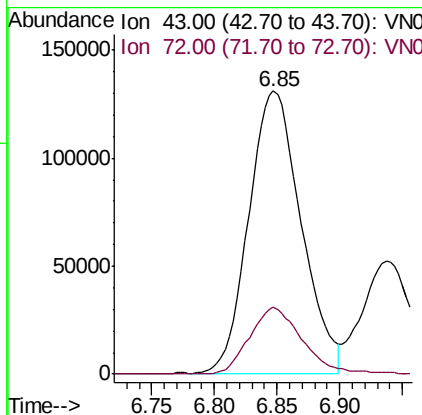
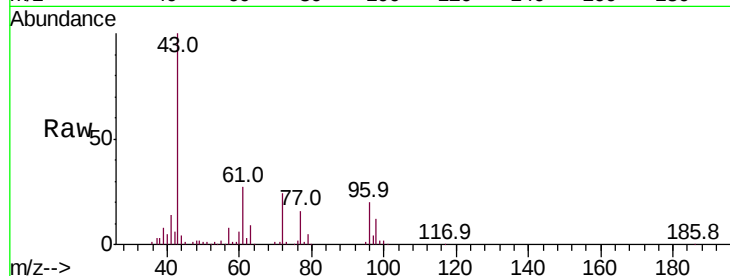
43 100

72 23.8 18.6 27.8

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#26

2,2-Dichloropropane

Concen: 10.281 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055479.D

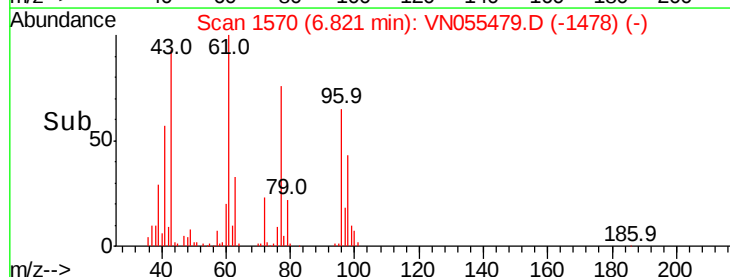
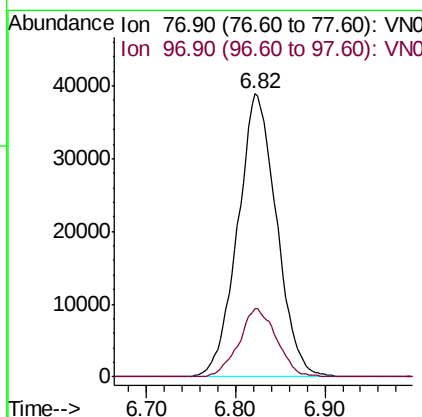
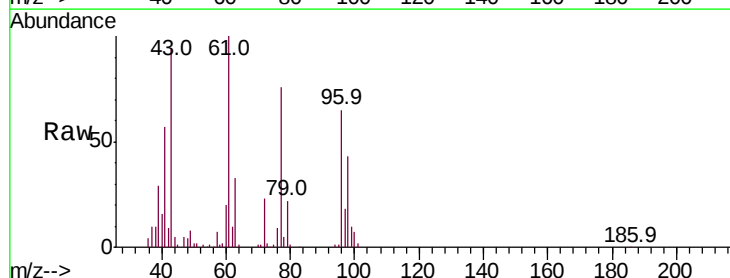
Acq: 8 May 2019 16:59

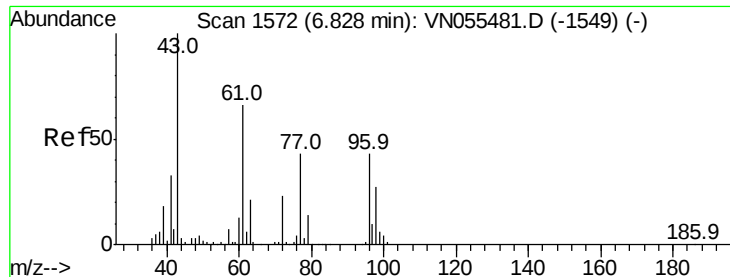
Tgt Ion: 77 Resp: 117917

Ion Ratio Lower Upper

77 100

97 23.4 11.5 34.5





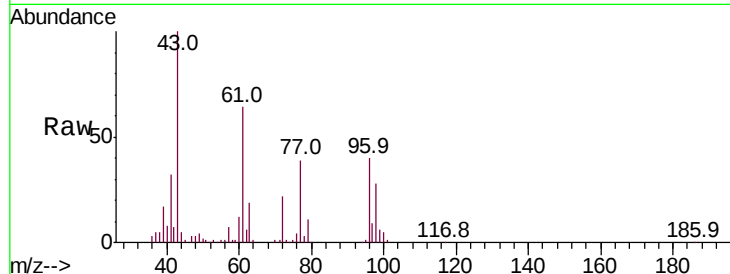
#27
 cis-1,2-Dichloroethene
 Concen: 11.494 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	153.9	0.0	310.8	
98	64.8	0.0	129.4	

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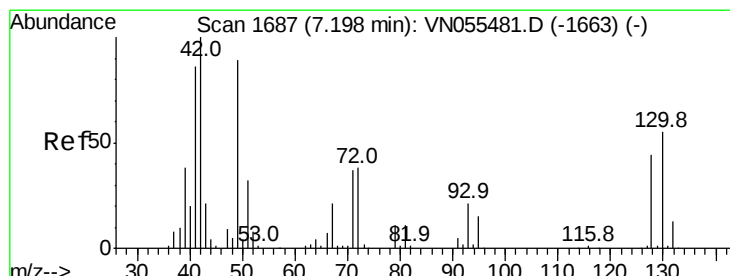
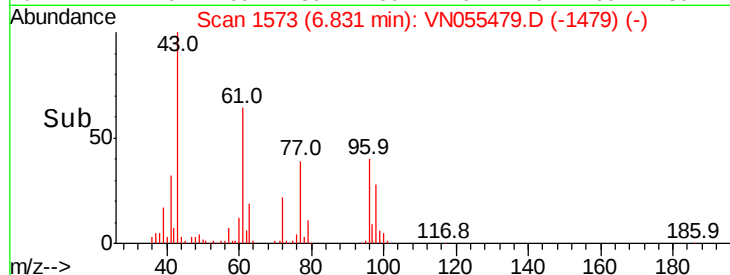
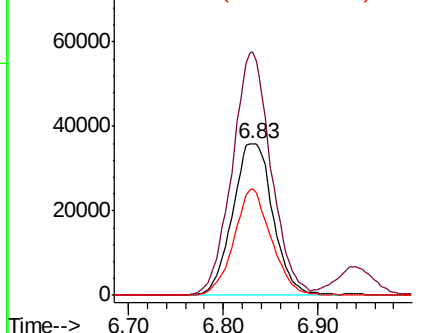


Abundance

Ion 95.90 (95.60 to 96.60): VN0

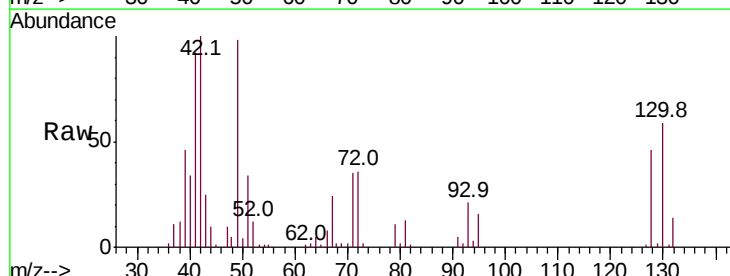
Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28
 Bromochloromethane
 Concen: 10.685 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	3.2	
130	62.1	49.5	74.3	

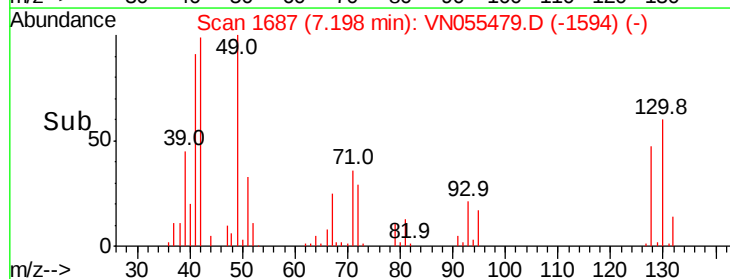
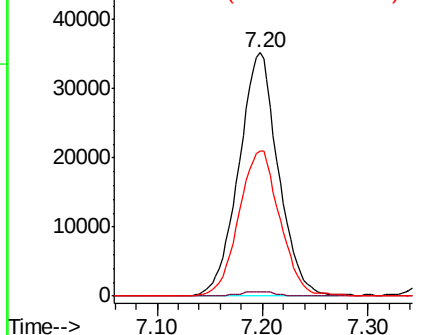


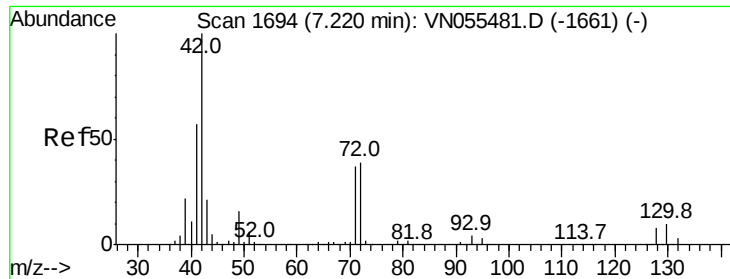
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





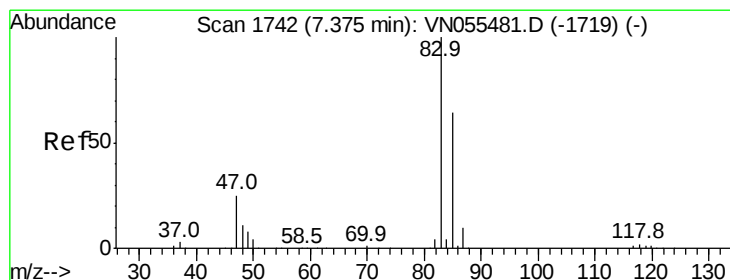
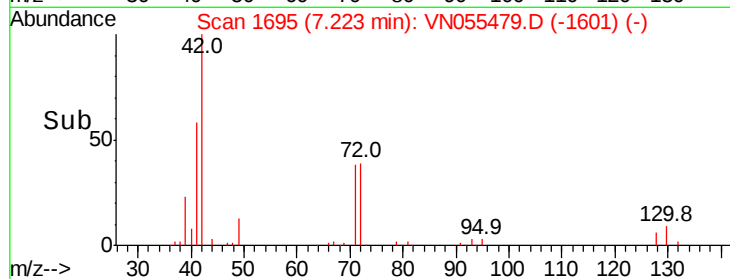
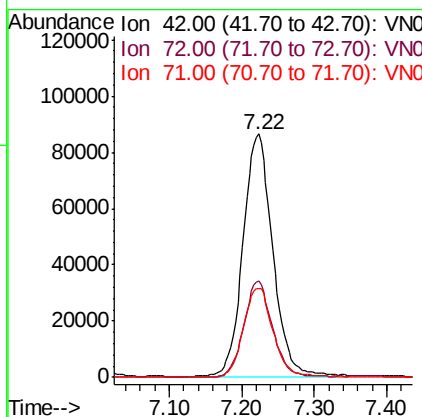
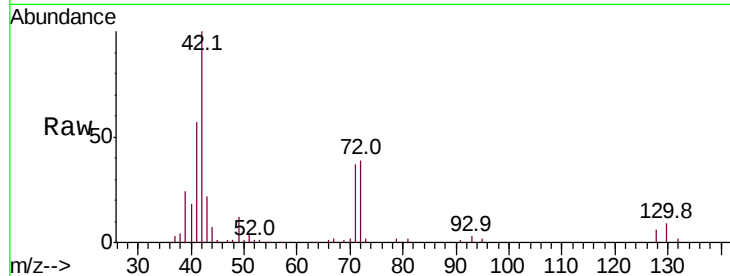
#29
Tetrahydrofuran
Concen: 84.568 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	31.0	46.6
71	36.7	29.4	44.2

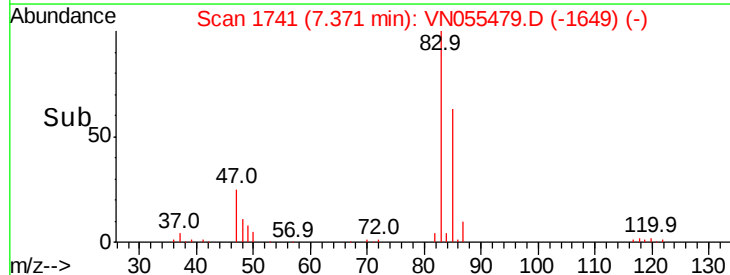
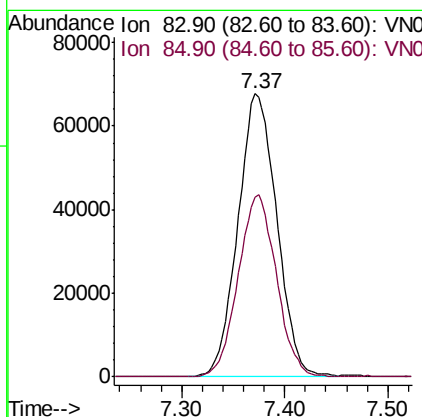
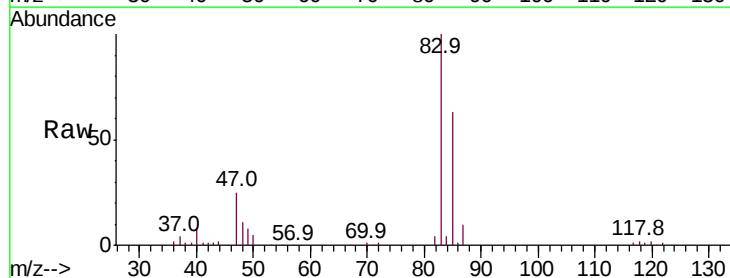
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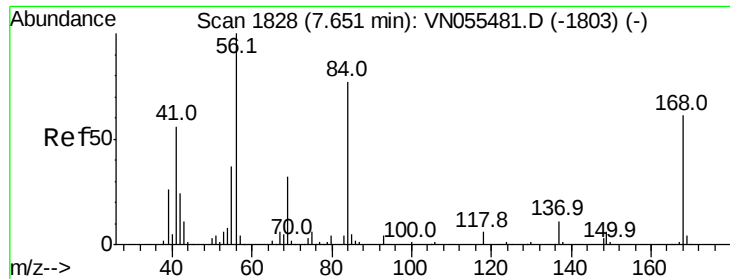
MMDadoda
5/9/2019 6:32:47 PM



#30
Chloroform
Concen: 11.154 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.3	76.9





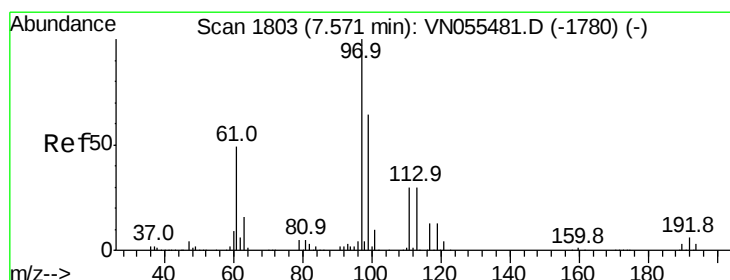
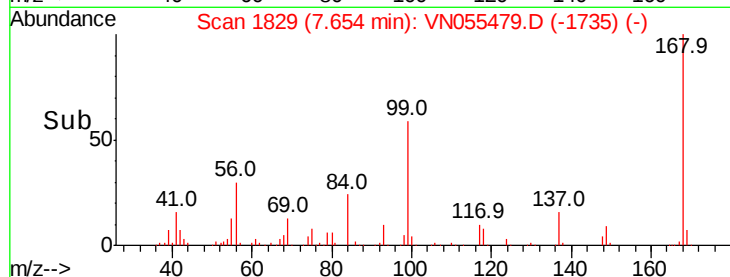
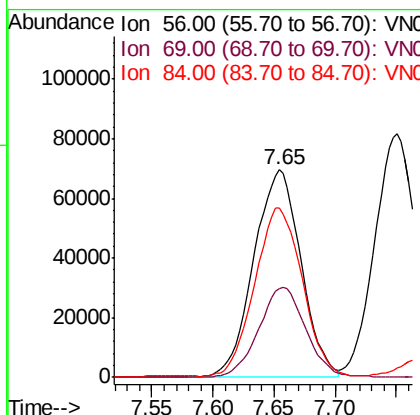
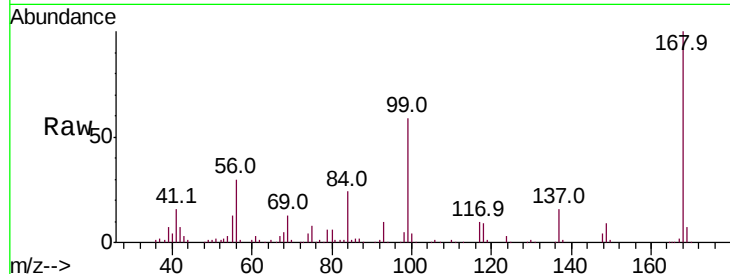
#31
Cyclohexane
Concen: 11.568 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.8	26.0	39.0#
84	80.5	61.9	92.9

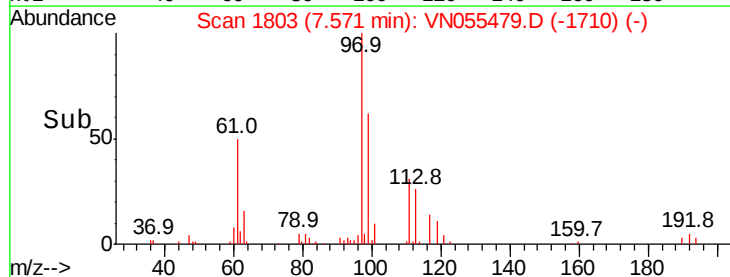
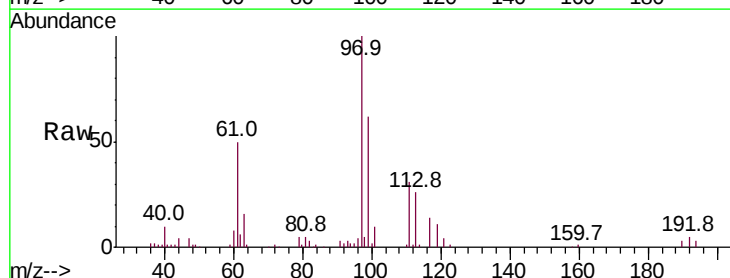
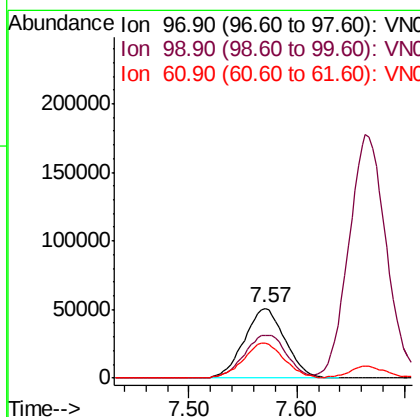
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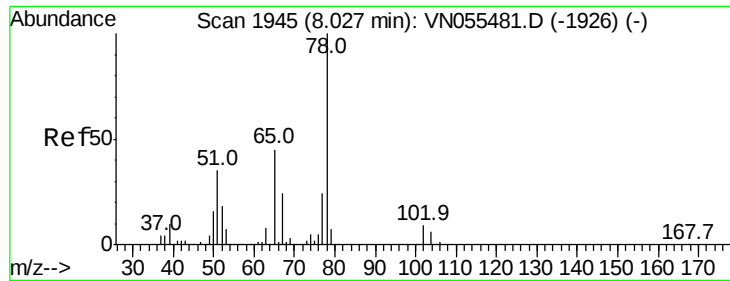
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 10.420 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.2	76.8
61	50.4	39.2	58.8





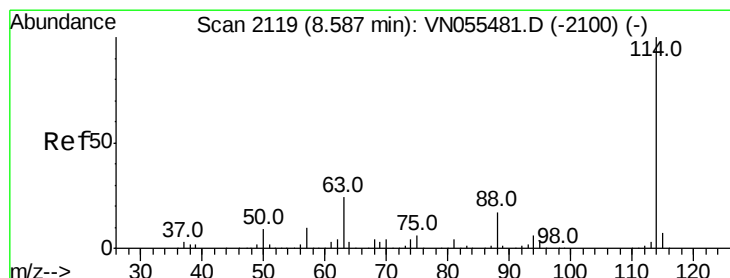
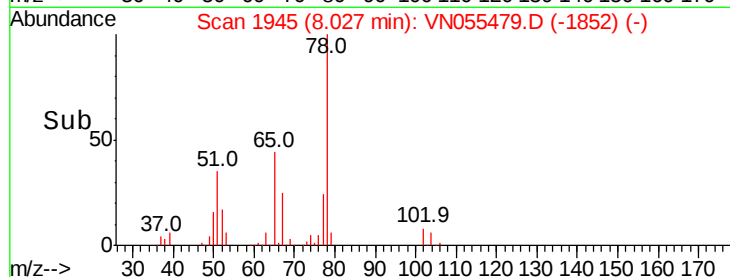
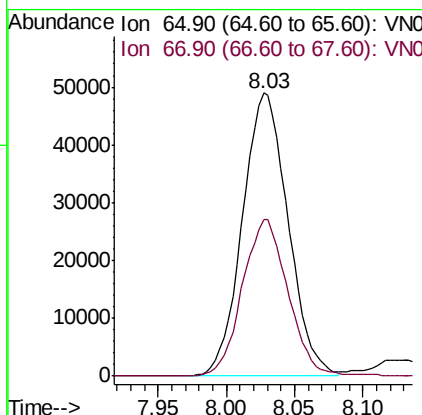
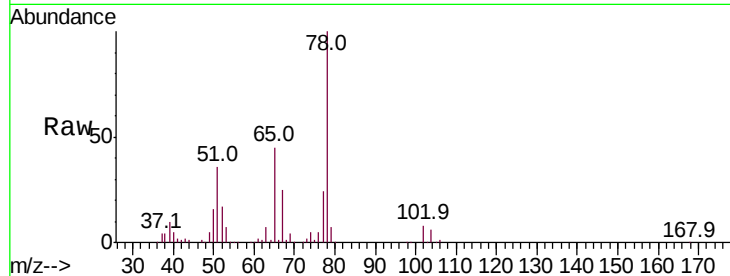
#33
 1,2-Dichloroethane-d4
 Concen: 11.070 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	109.6

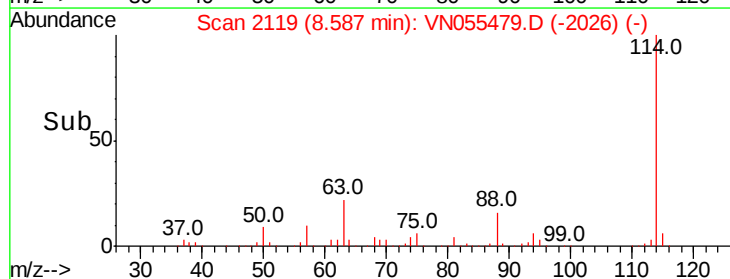
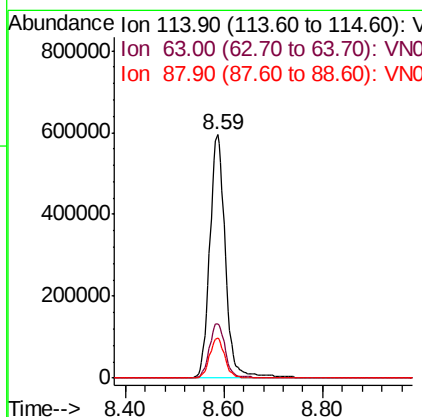
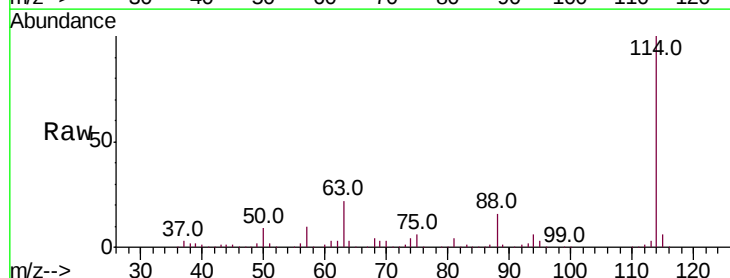
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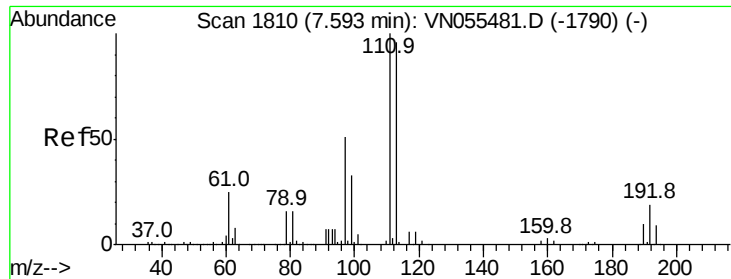
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	47.4
88	16.4	0.0	34.0





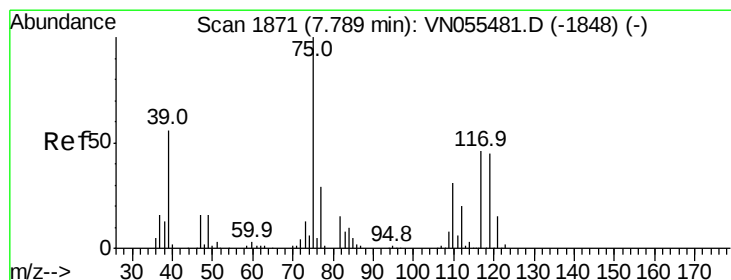
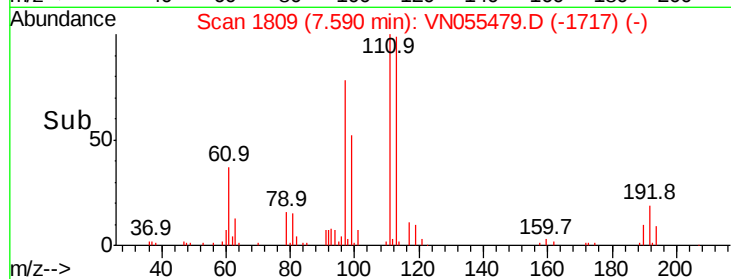
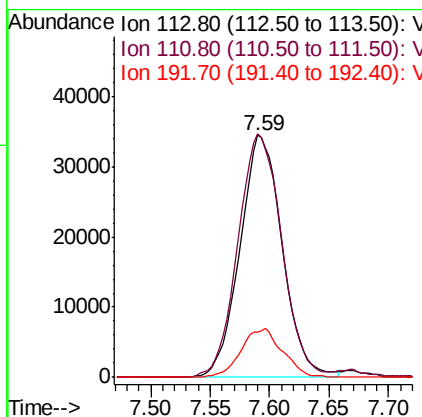
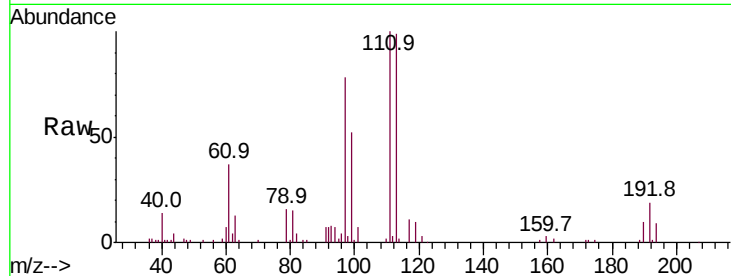
#35
 Dibromofluoromethane
 Concen: 9.836 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.9	124.3
192	19.8	15.6	23.4

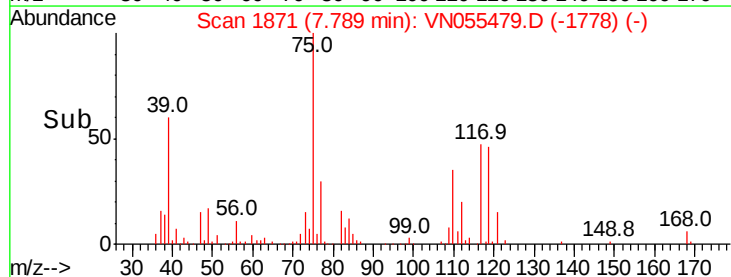
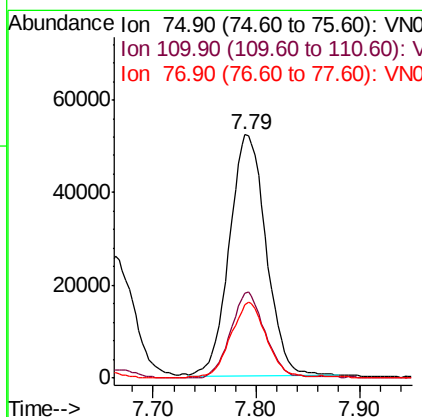
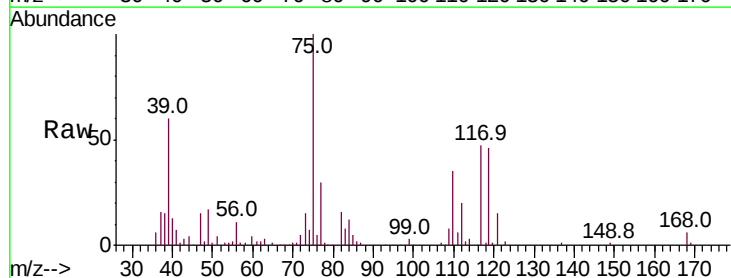
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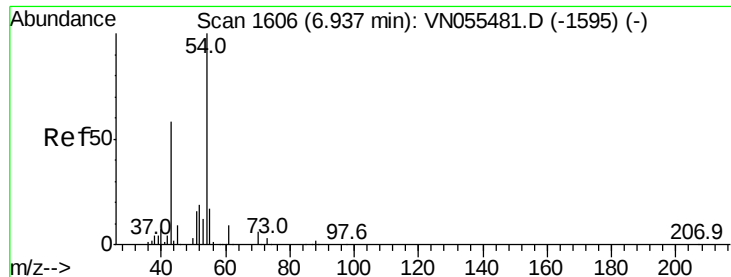
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#36
 1,1-Dichloropropene
 Concen: 10.188 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.1	48.3
77	30.7	24.6	37.0





#37

Ethyl Acetate

Concen: 14.554 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

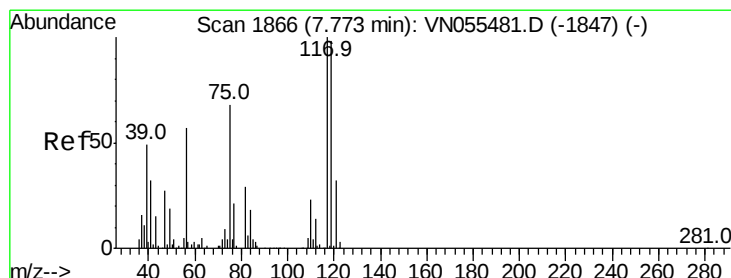
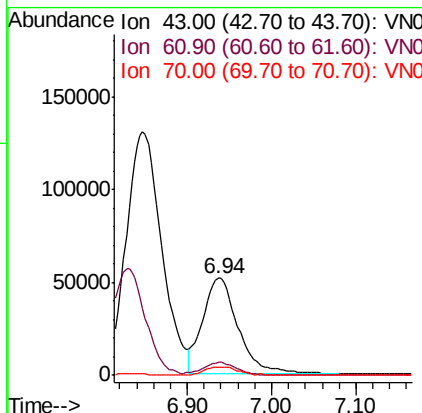
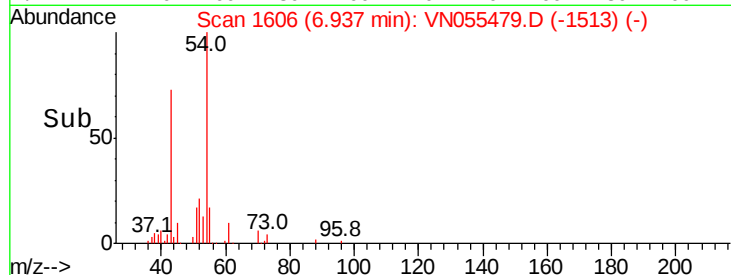
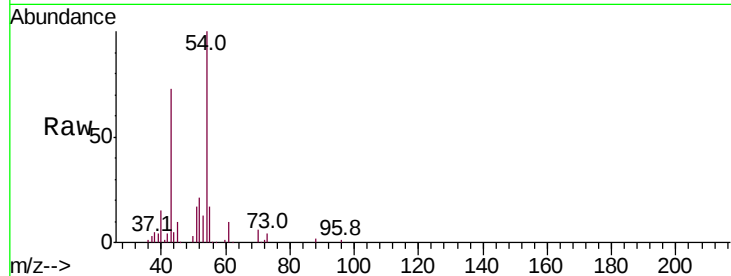
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	153014
Ion	Ratio	Lower	Upper
43	100		
61	11.7	10.9	16.3
70	7.7	7.0	10.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 8.597 ug/l

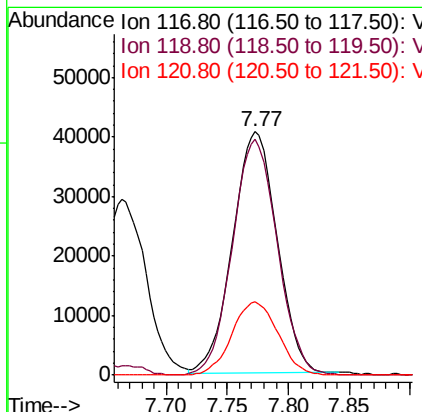
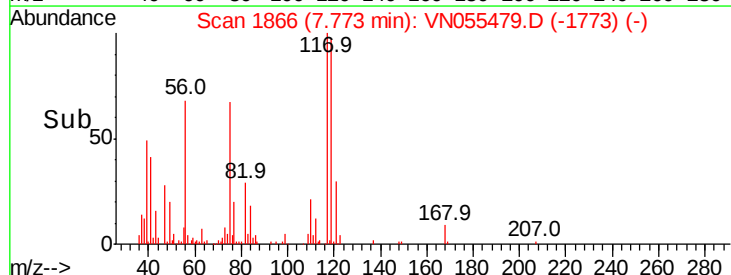
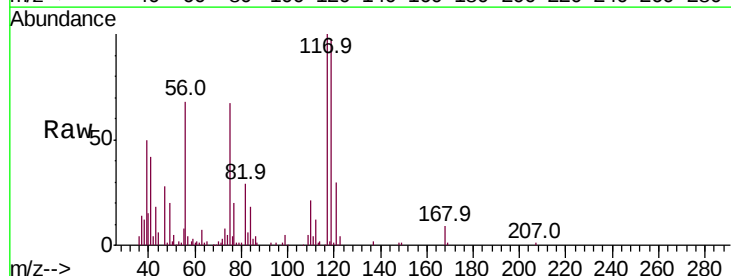
RT: 7.77 min Scan# 1866

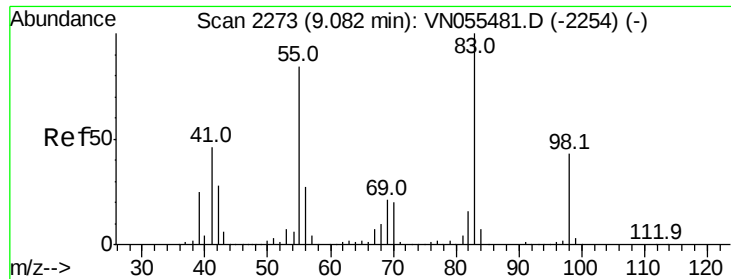
Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Tgt Ion:	117	Resp:	102822
Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.8	116.6
121	30.2	25.2	37.8





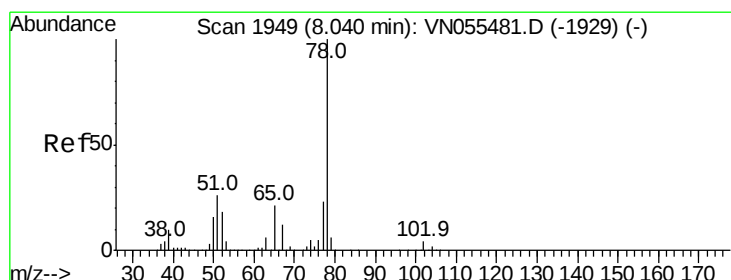
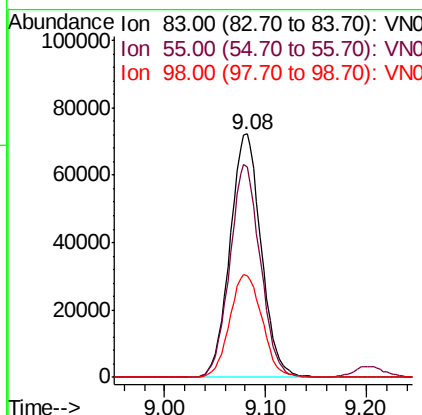
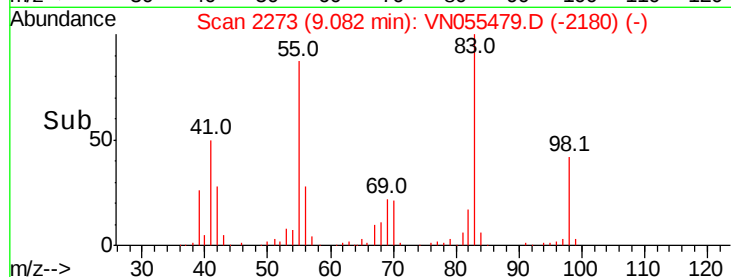
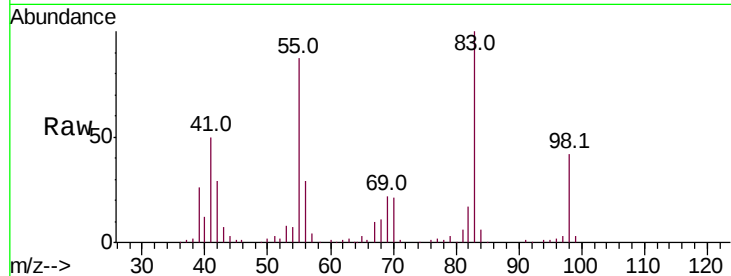
#39
Methvlcvclohexane
Concen: 11.289 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100	155119		
55	86.6	67.0	100.4	
98	41.7	34.2	51.4	

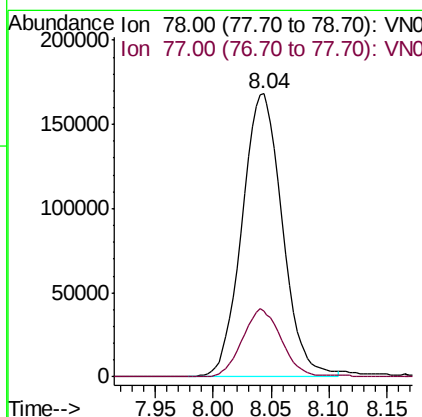
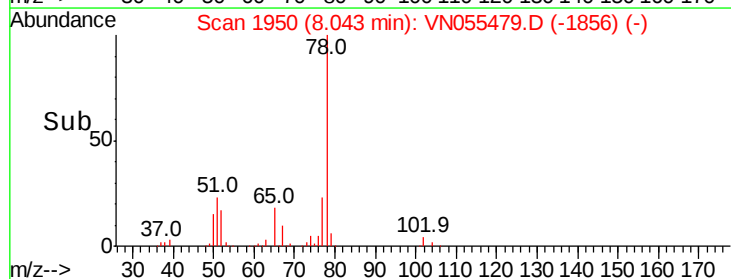
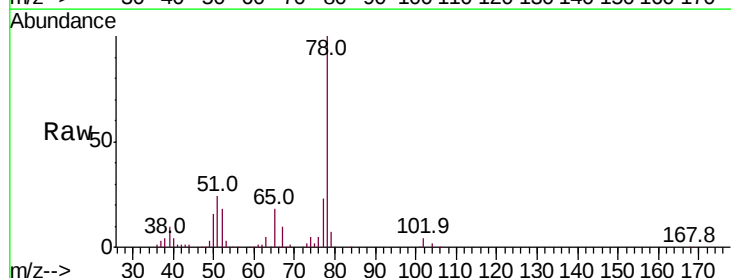
Manual Integrations
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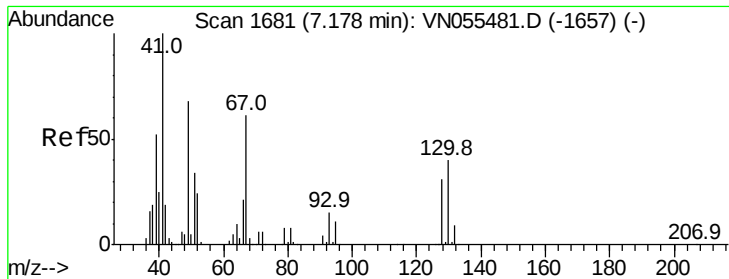
MMDadoda
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#40
Benzene
Concen: 10.819 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	407755		
77	23.3	18.6	27.8	





#41

Methacrylonitrile

Concen: 12.055 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

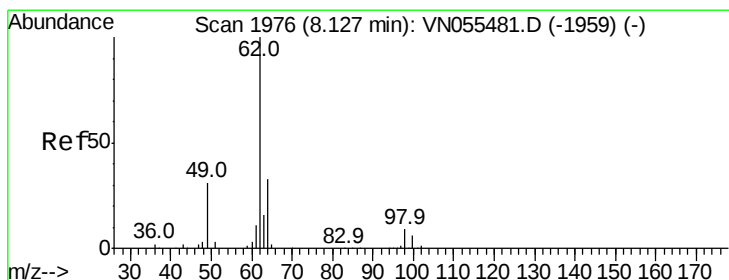
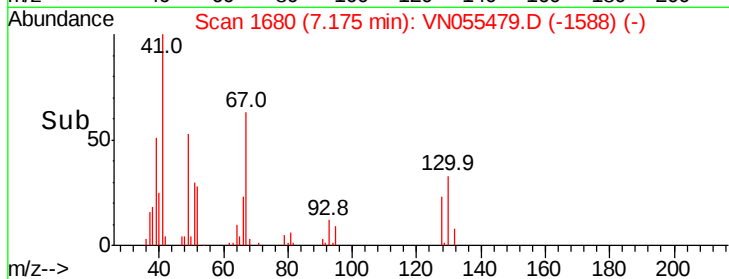
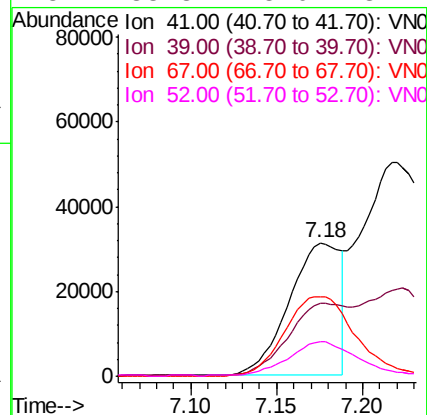
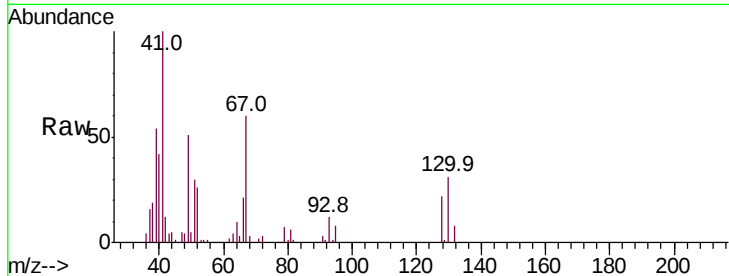
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.5	44.7	67.1
67	82.7	61.4	92.0
52	33.3	25.0	37.4

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5/9/2019 6:32:47 PM



#42

1,2-Dichloroethane

Concen: 10.747 ug/l

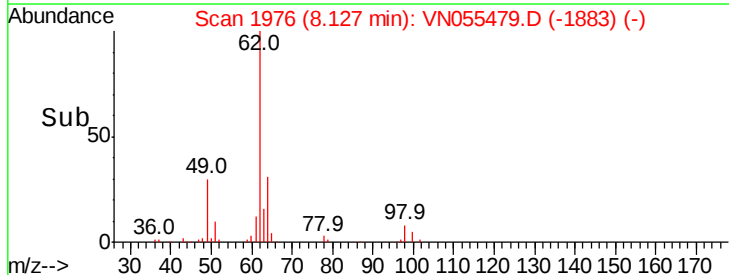
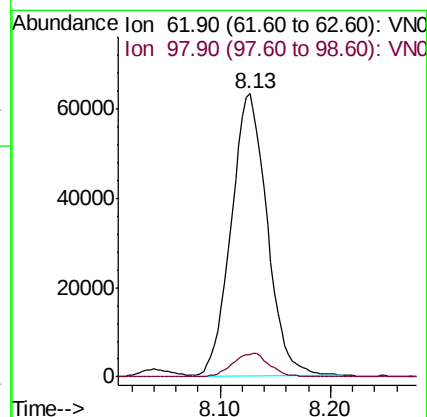
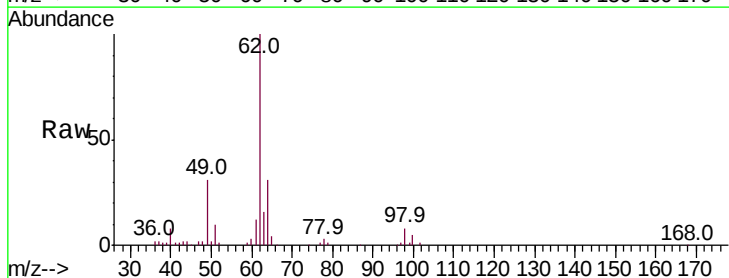
RT: 8.13 min Scan# 1976

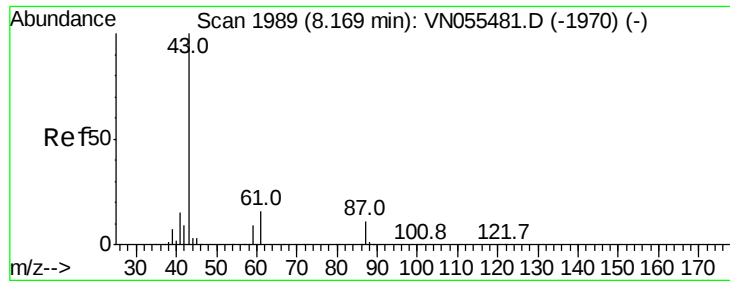
Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.4





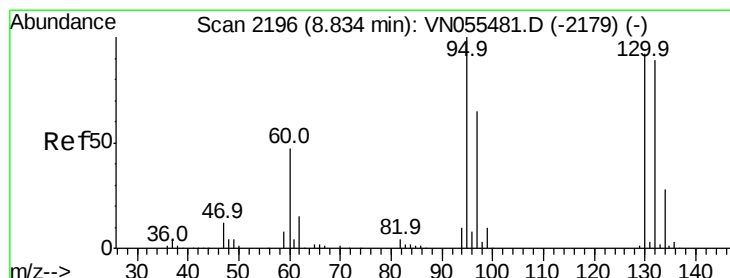
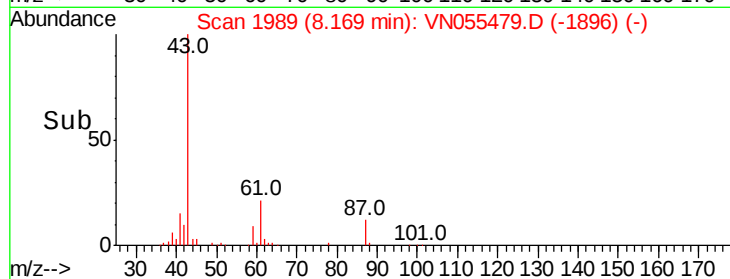
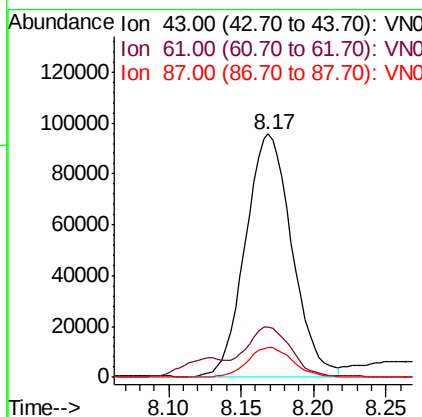
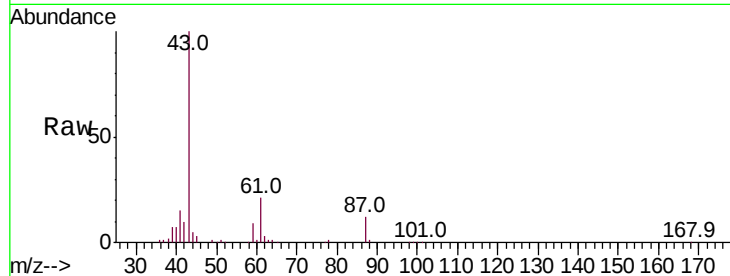
#43
Isopropyl Acetate
Concen: 12.759 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.1	22.7
87	12.1	9.0	13.6

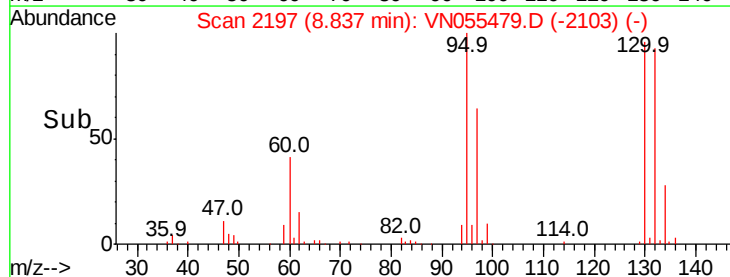
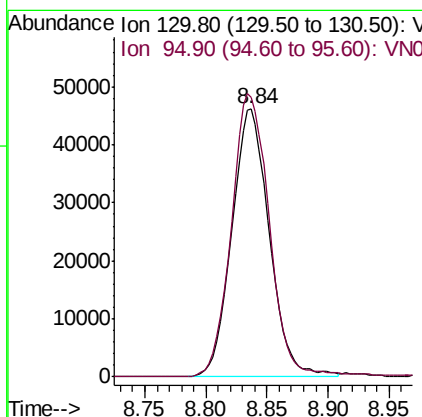
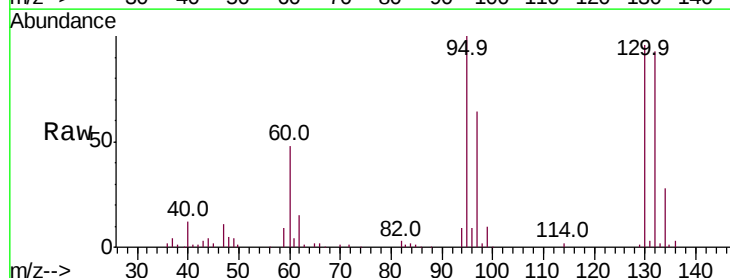
Manual Integrations
APPROVED

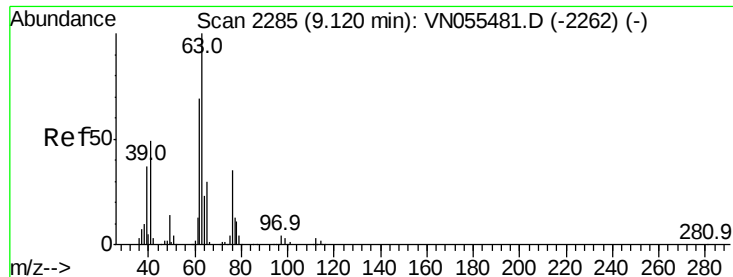
MMDadoda
5/9/2019 6:32:47 PM



#44
Trichloroethene
Concen: 10.368 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	216.8





#45

1,2-Dichloropropane

Concen: 10.652 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 115368

Ion Ratio Lower Upper

63 100

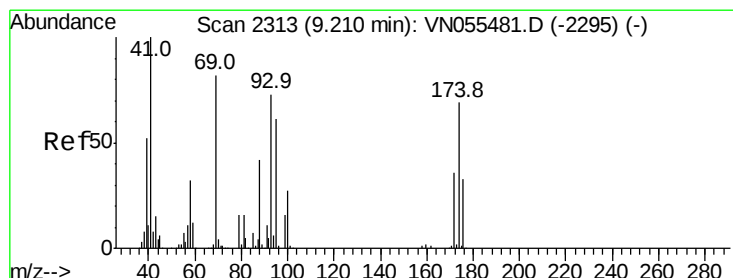
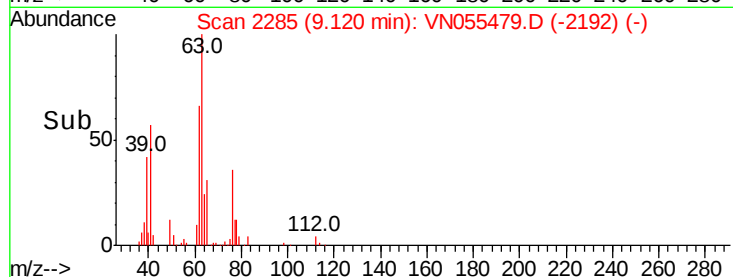
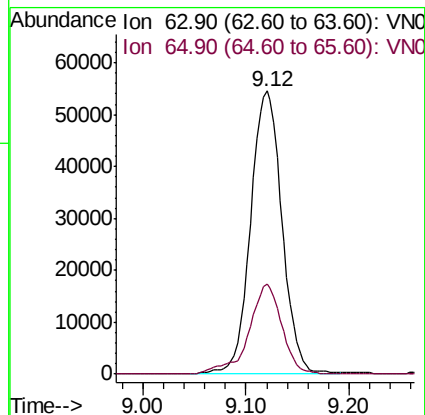
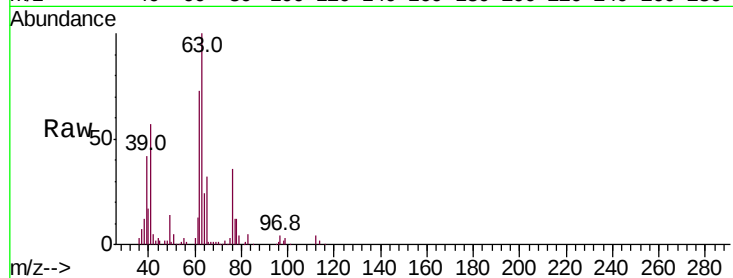
65 32.0 24.1 36.1

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 11.497 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

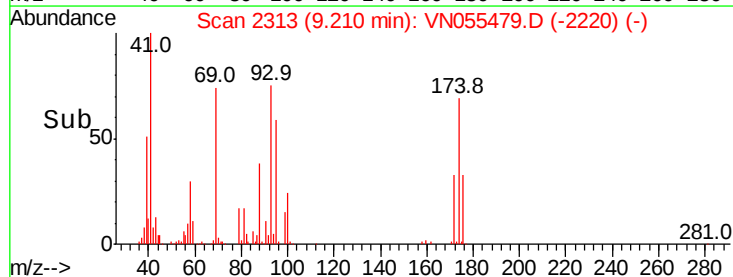
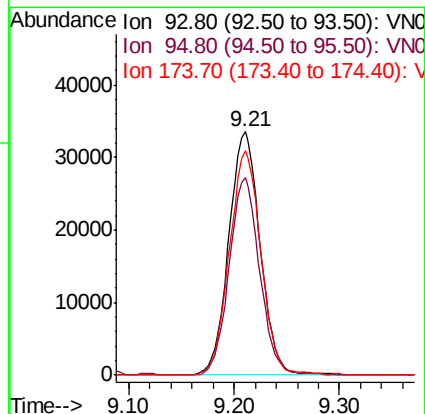
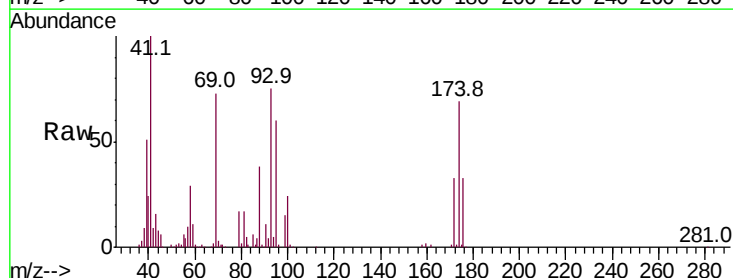
Tgt Ion: 93 Resp: 68878

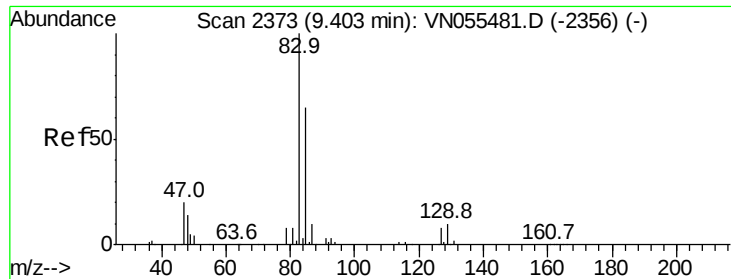
Ion Ratio Lower Upper

93 100

95 79.0 64.8 97.2

174 92.3 75.0 112.6





#47

Bromodichloromethane

Concen: 10.095 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

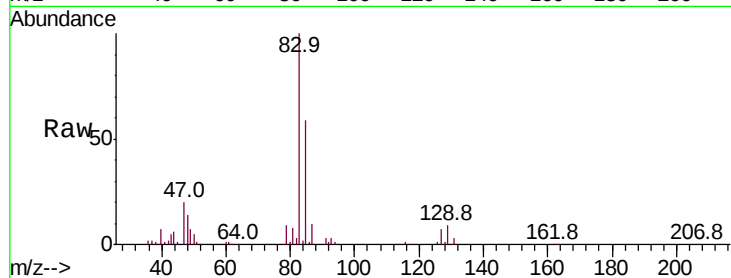
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	127246
Ion	Ratio	Lower	Upper
83	100		
85	59.2	52.2	78.2
127	7.2	6.5	9.7

Manual Integrations
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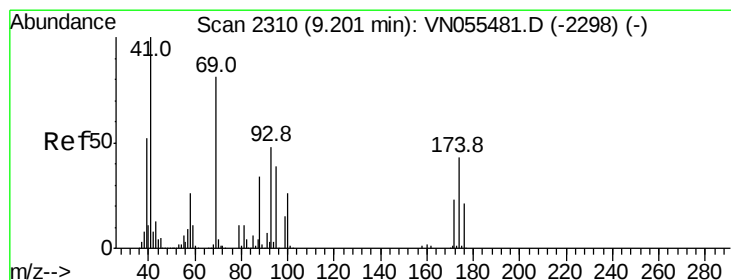
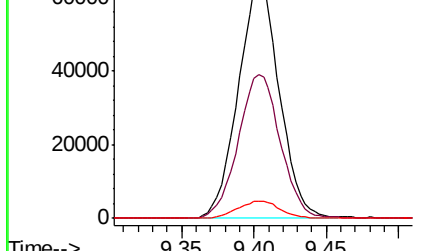
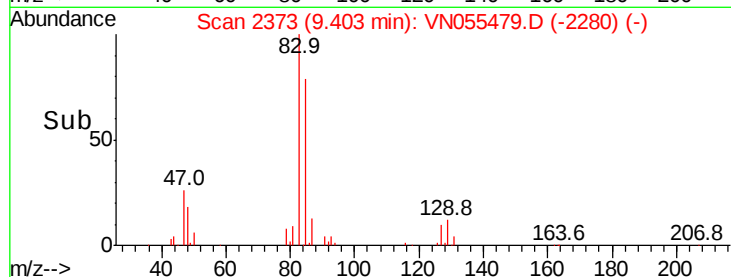


Abundance Ion 82.90 (82.60 to 83.60): VN055479.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055479.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055479.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 12.826 ug/l

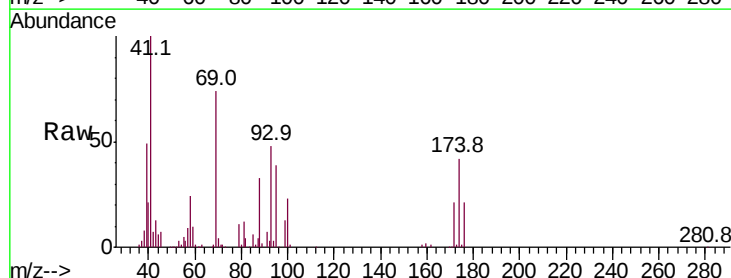
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Tgt Ion:	41	Resp:	104154
Ion	Ratio	Lower	Upper
41	100		
69	78.1	64.2	96.2
39	51.1	41.6	62.4

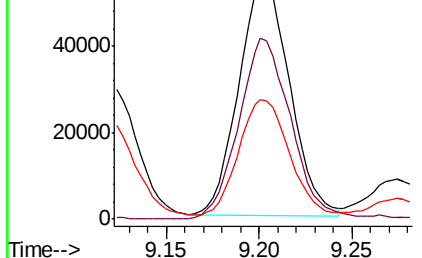
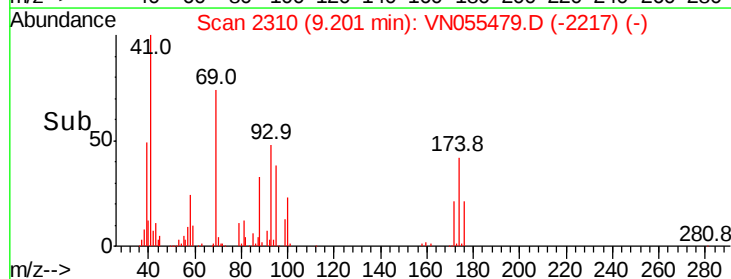


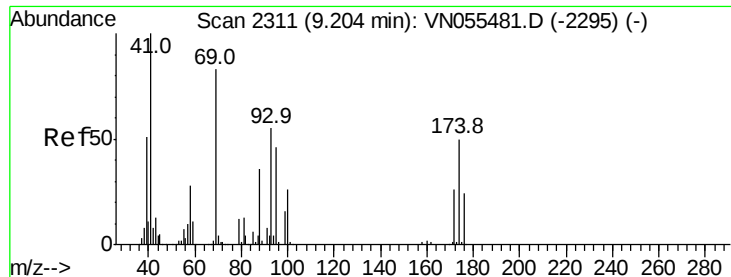
Abundance Ion 41.00 (40.70 to 41.70): VN055479.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055479.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055479.D (-2217) (-)

Time-->





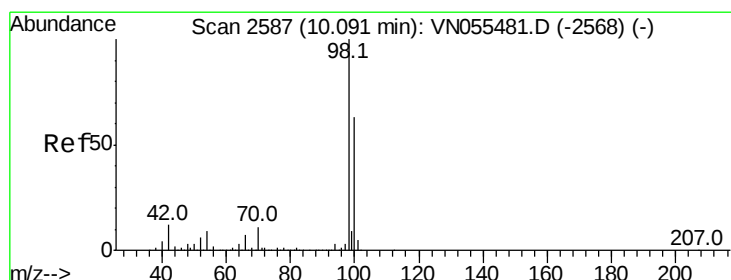
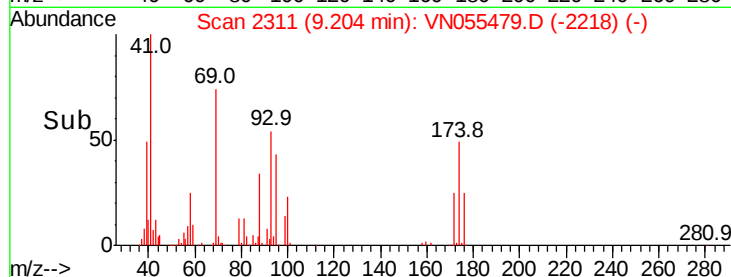
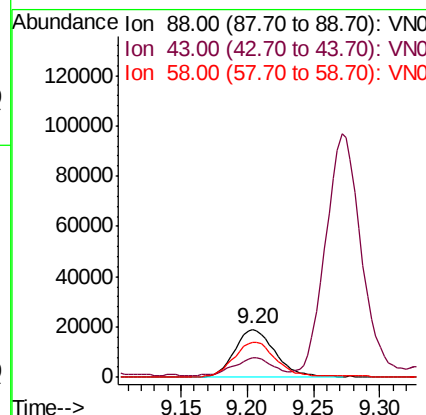
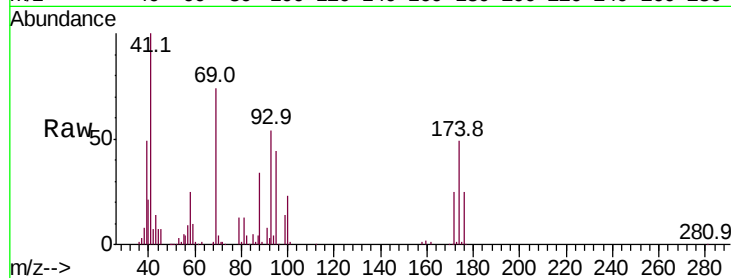
#49
 1,4-Dioxane
 Concen: 403.891 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	88	Resp	40740
Ion	Ratio	Lower	Upper
88	100		
43	33.2	27.8	41.8
58	76.6	61.8	92.6

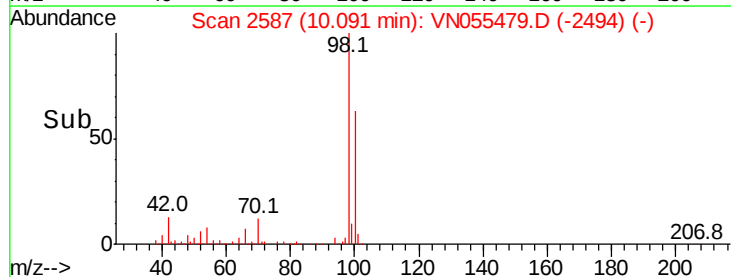
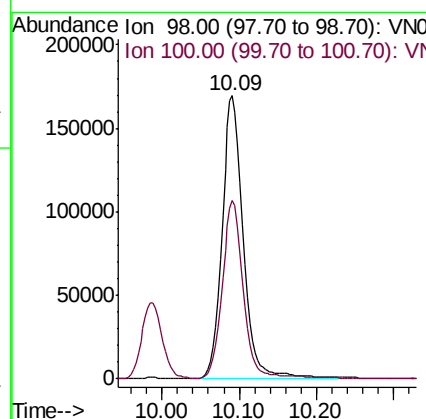
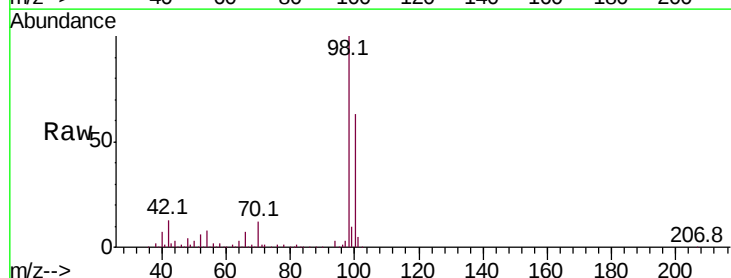
Manual Integrations
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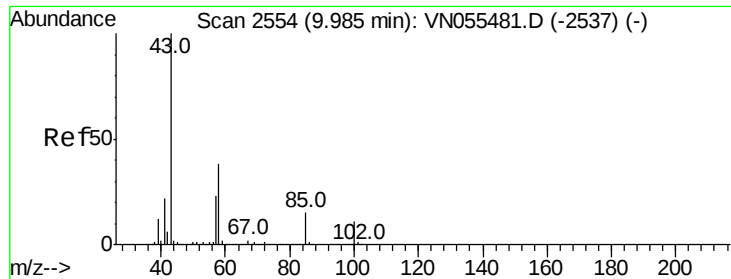
MMDadoda
 5/9/2019 6:32:47 PM



#50
 Toluene-d8
 Concen: 10.335 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion	98	Resp	327303
Ion	Ratio	Lower	Upper
98	100		
100	61.4	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 72.904 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 706897

Ion Ratio Lower Upper

43 100

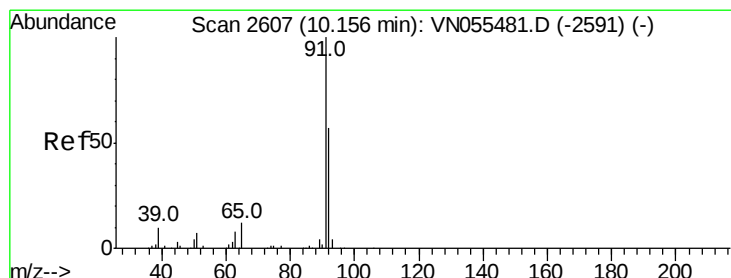
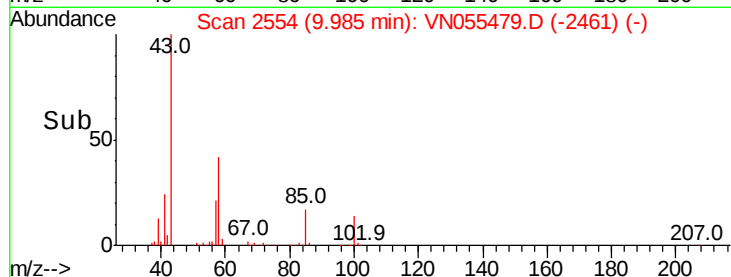
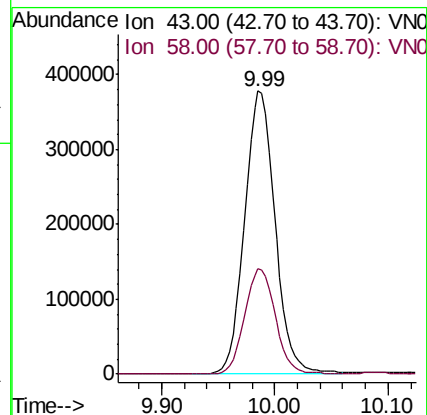
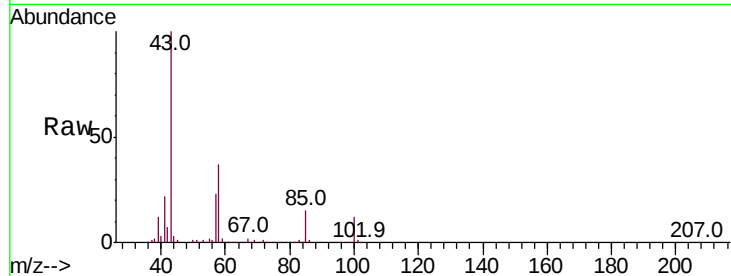
58 37.8 29.9 44.9

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#52

Toluene

Concen: 10.432 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055479.D

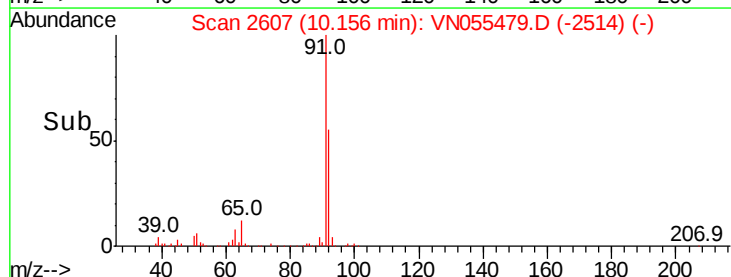
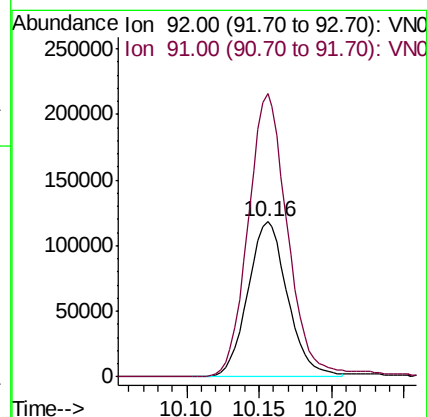
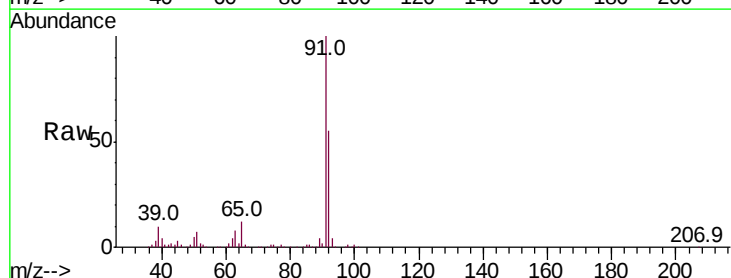
Acq: 8 May 2019 16:59

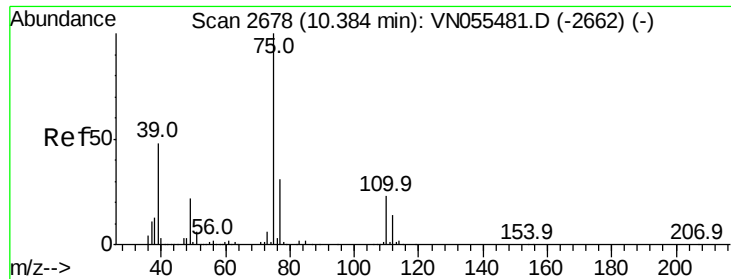
Tgt Ion: 92 Resp: 225817

Ion Ratio Lower Upper

92 100

91 183.6 140.5 210.7





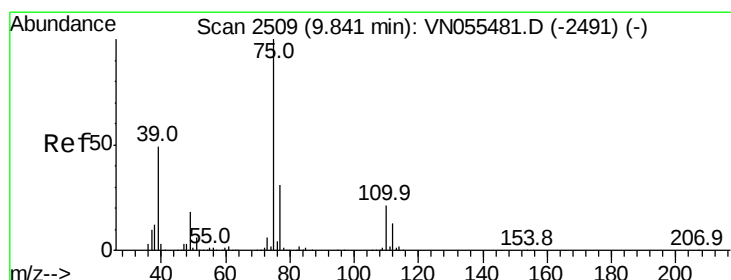
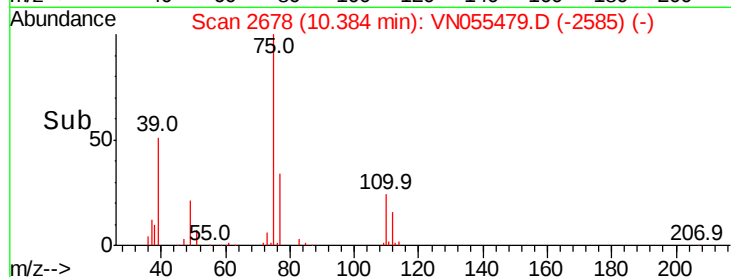
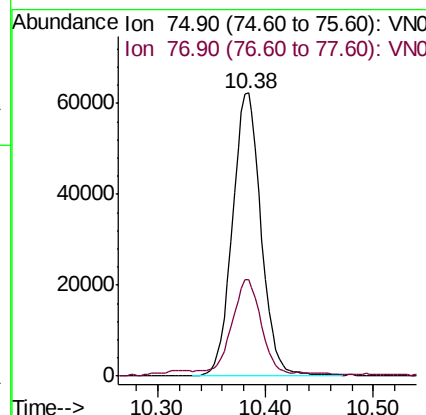
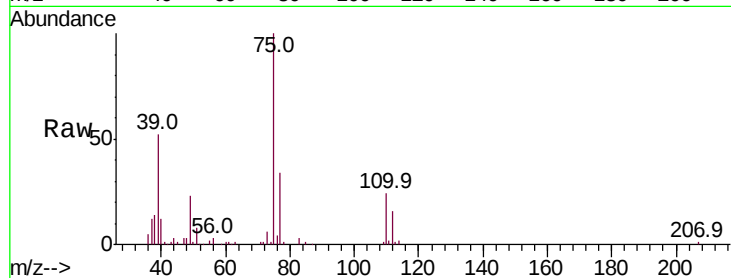
#53
t-1,3-Dichloropropene
Concen: 10.380 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion: 75 Resp: 115473
Ion Ratio Lower Upper
75 100
77 33.5 25.1 37.7

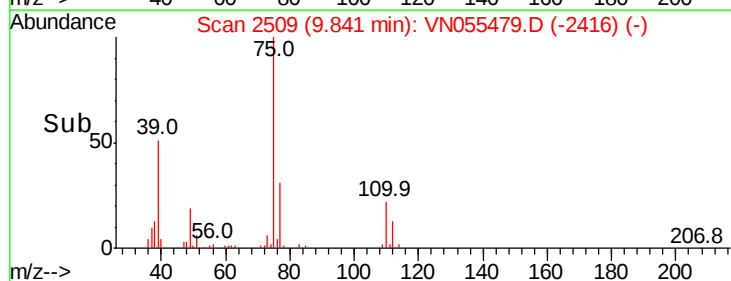
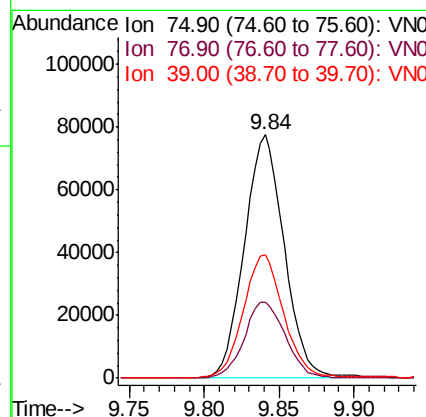
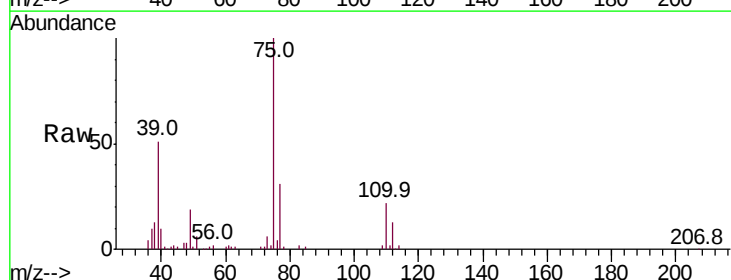
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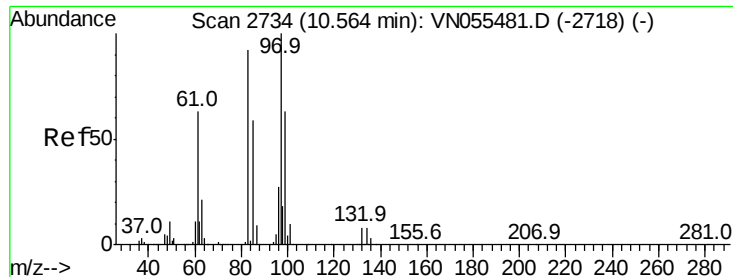
MMDadoda
5/9/2019 6:32:47 PM



#54
cis-1,3-Dichloropropene
Concen: 10.424 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion: 75 Resp: 143556
Ion Ratio Lower Upper
75 100
77 31.4 24.4 36.6
39 50.6 39.5 59.3





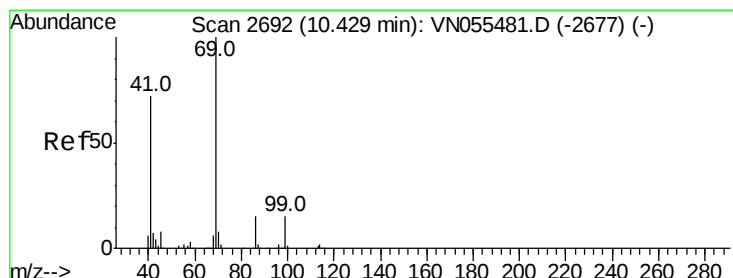
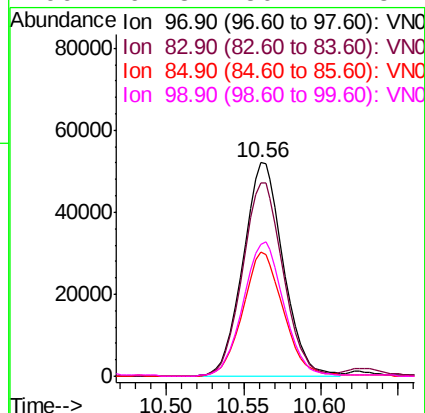
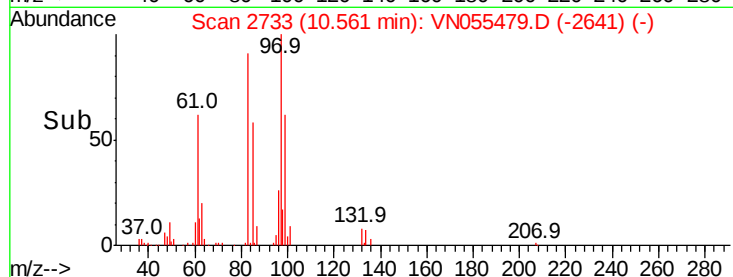
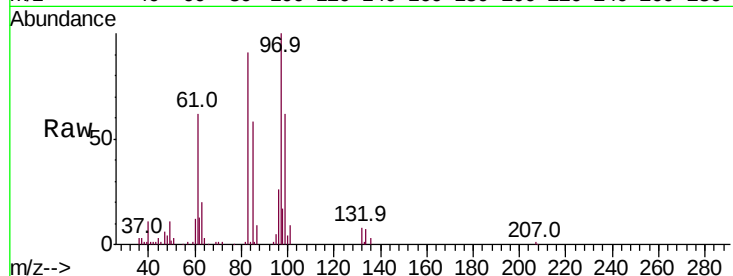
#55
 1,1,2-Trichloroethane
 Concen: 11.596 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	94357
Ion	Ratio	Lower	Upper
97	100		
83	90.7	73.2	109.8
85	58.3	47.5	71.3
99	61.8	50.2	75.2

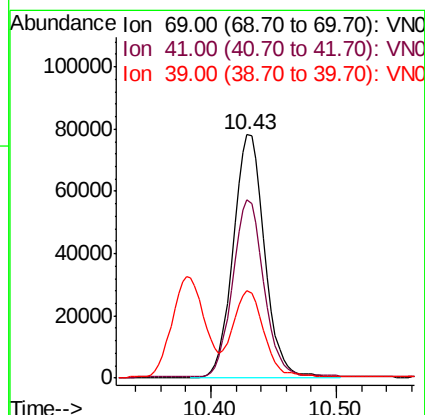
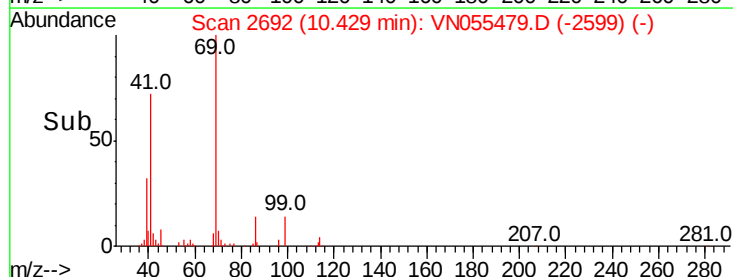
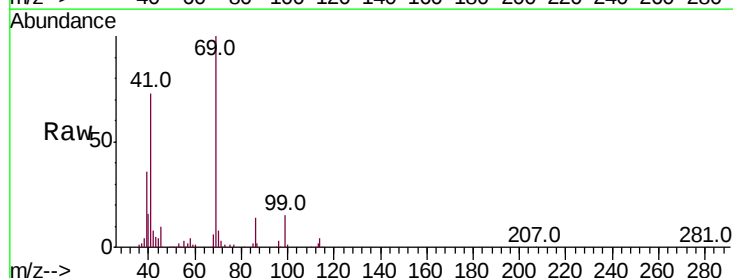
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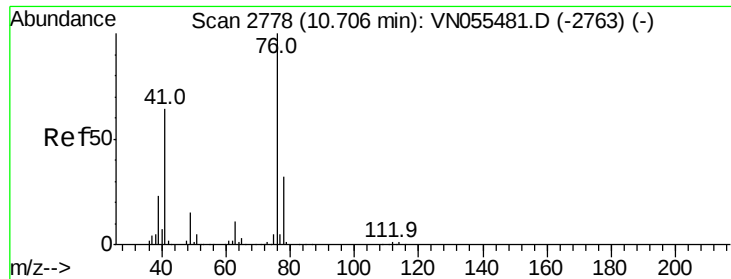
MMDadoda
 5/9/2019 6:32:47 PM



#56
 Ethyl methacrylate
 Concen: 13.097 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion:	69	Resp:	136334
Ion	Ratio	Lower	Upper
69	100		
41	71.1	56.2	84.2
39	35.8	27.8	41.6





#57

1,3-Dichloropropane

Concen: 11.833 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

Tot Ion: 76 Resp: 169561

Ion Ratio Lower Upper

76 100

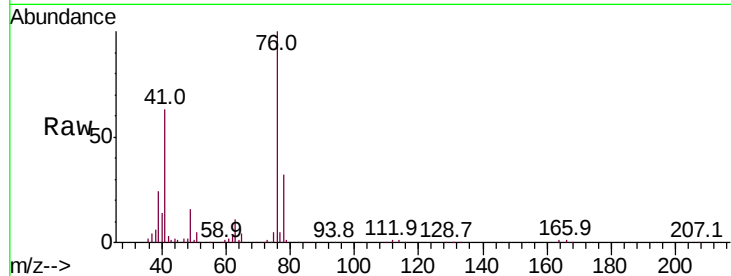
78 30.8 25.8 38.6

Manual Integrations

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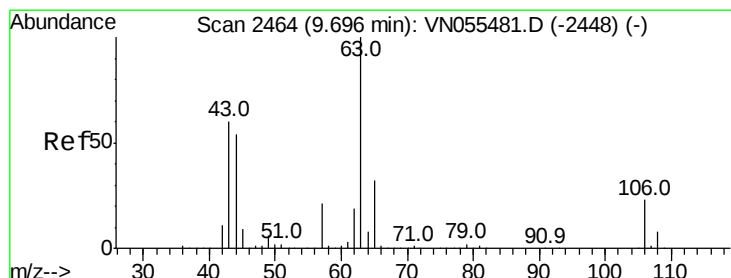
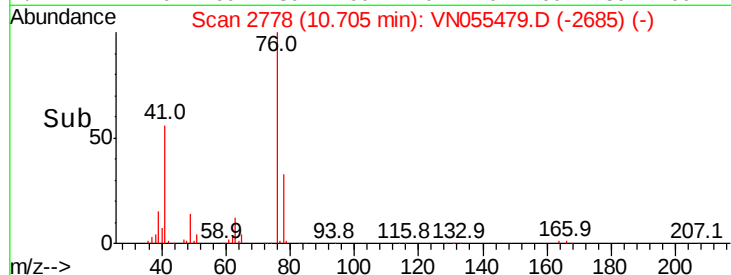
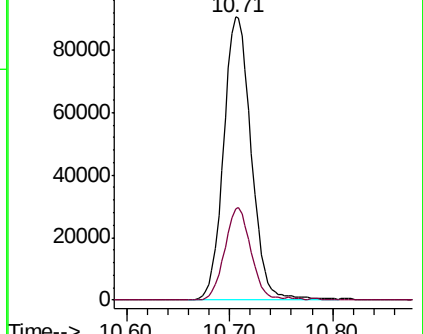
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 61.865 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN055479.D

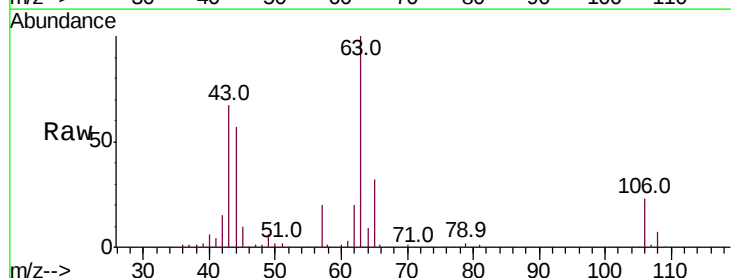
Acq: 8 May 2019 16:59

Tgt Ion: 63 Resp: 174744

Ion Ratio Lower Upper

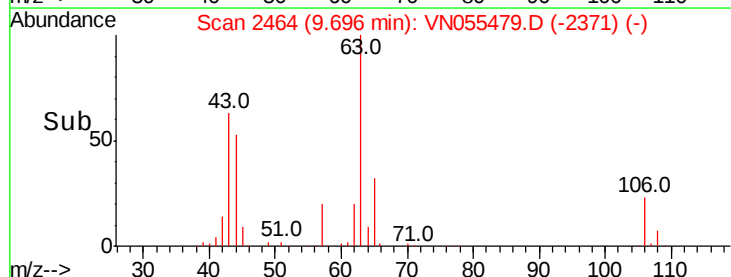
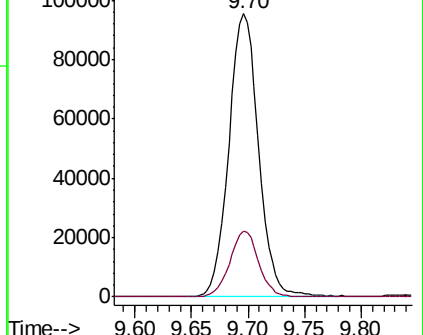
63 100

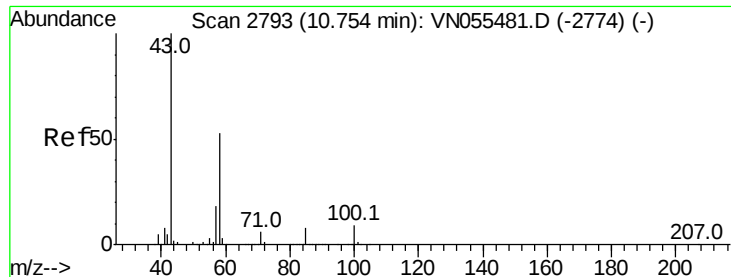
106 22.5 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





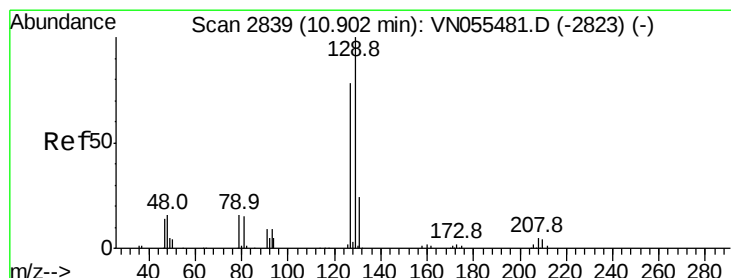
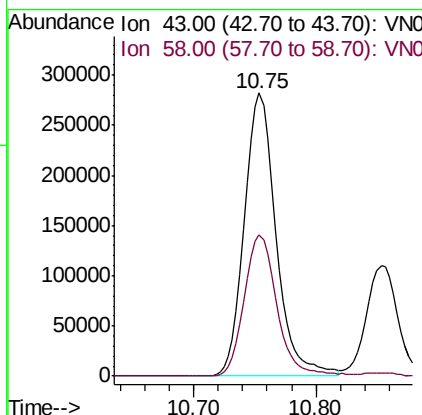
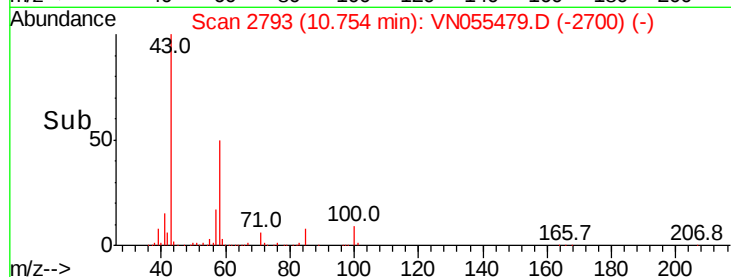
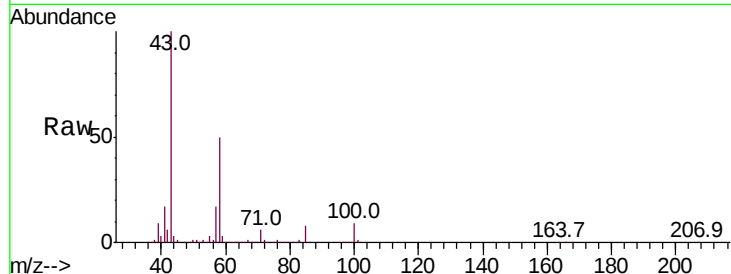
#59
2-Hexanone
Concen: 80.522 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 503304
Ion Ratio Lower Upper
43 100
58 51.8 26.4 79.0

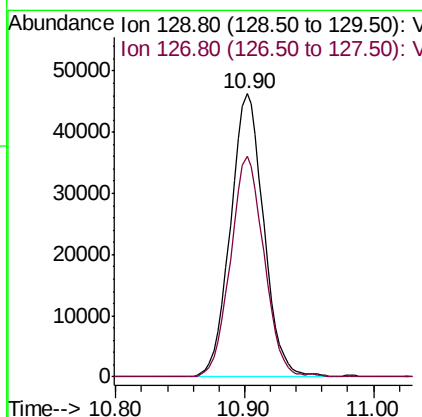
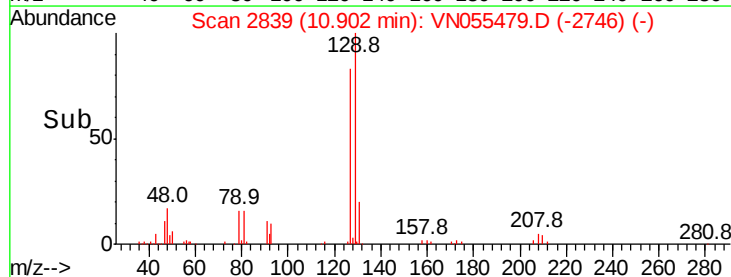
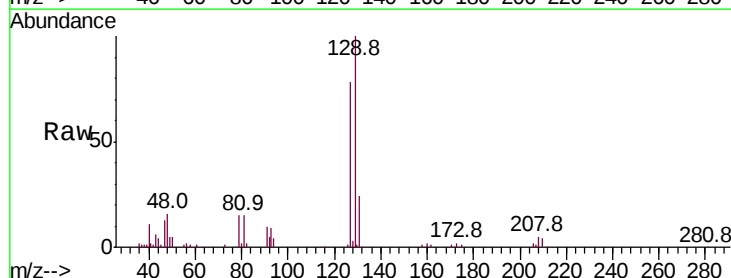
Manual Integrations
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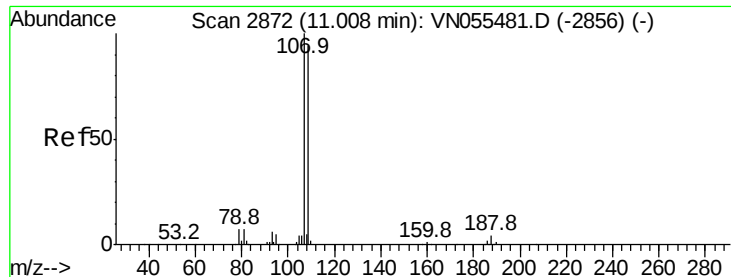
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5/9/2019 6:32:47 PM



#60
Dibromochloromethane
Concen: 10.177 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion: 129 Resp: 82791
Ion Ratio Lower Upper
129 100
127 78.5 38.6 116.0





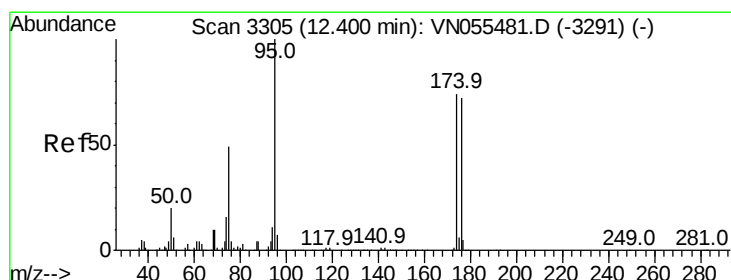
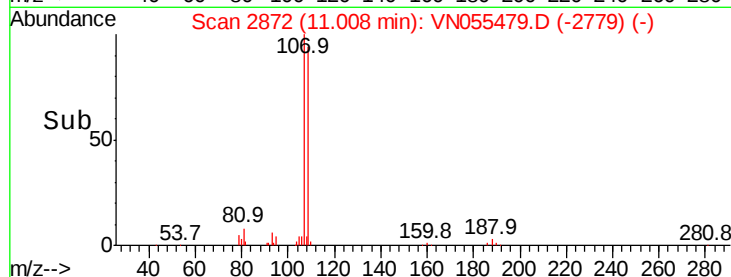
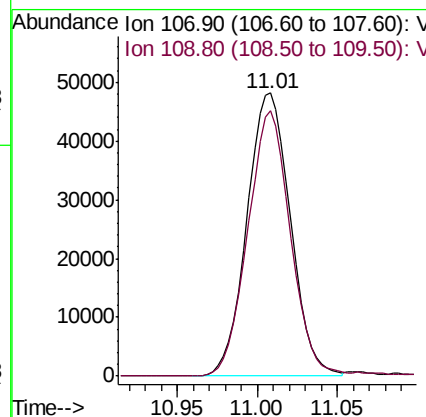
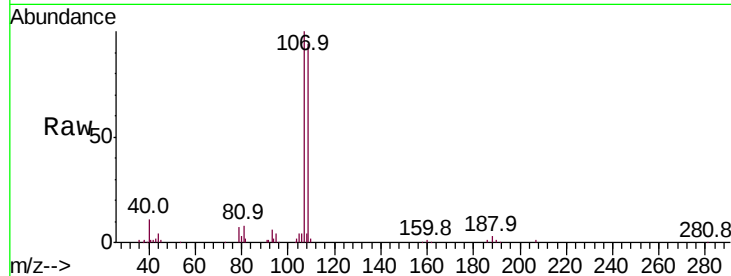
#61
 1,2-Dibromoethane
 Concen: 11.806 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

Tot Ion:107 Resp: 89650
 Ion Ratio Lower Upper
 107 100
 109 92.0 74.2 111.4

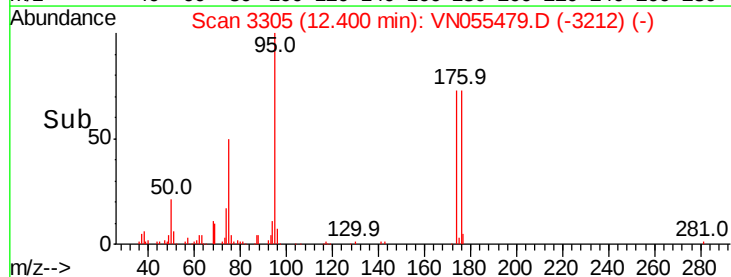
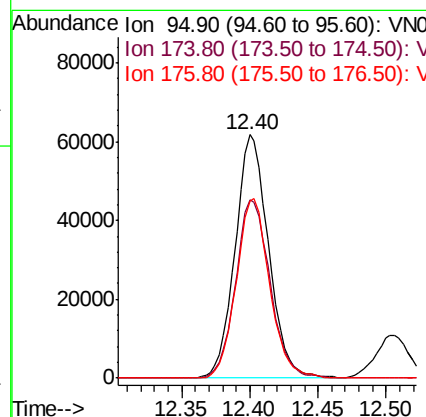
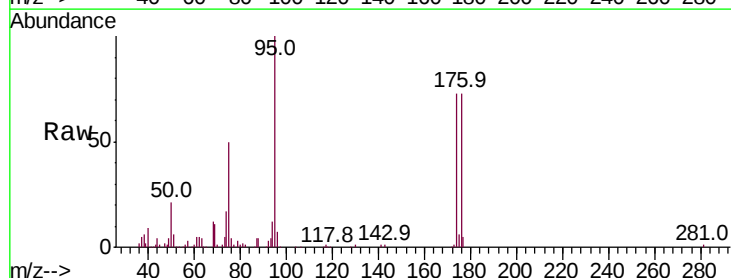
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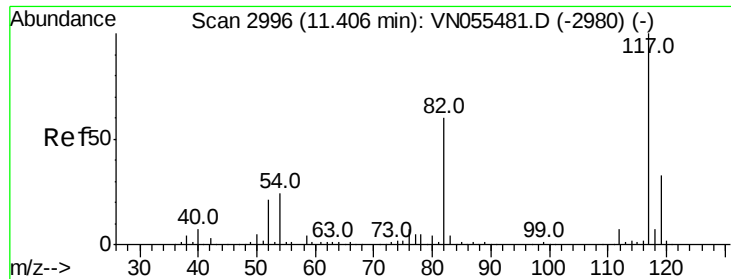
MMDadoda
 5/9/2019 6:32:47 PM



#62
 4-Bromofluorobenzene
 Concen: 10.520 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion: 95 Resp: 105121
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 152.2
 176 73.7 0.0 147.8





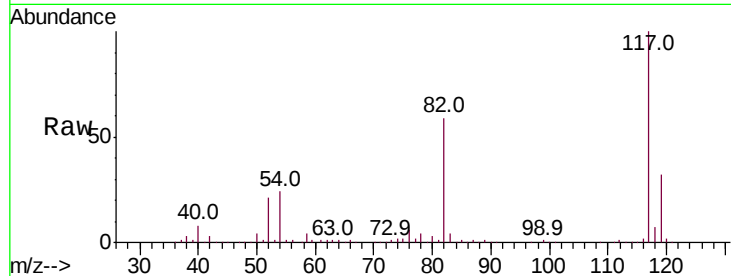
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

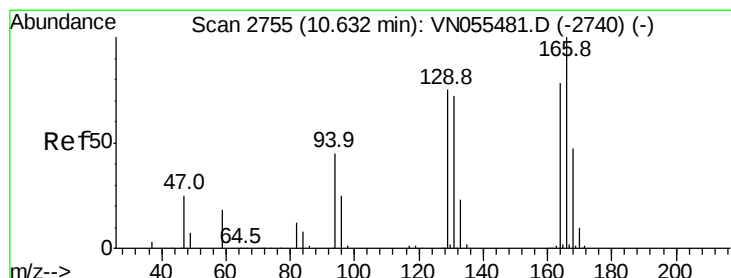
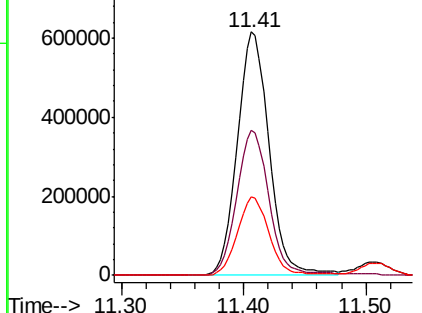
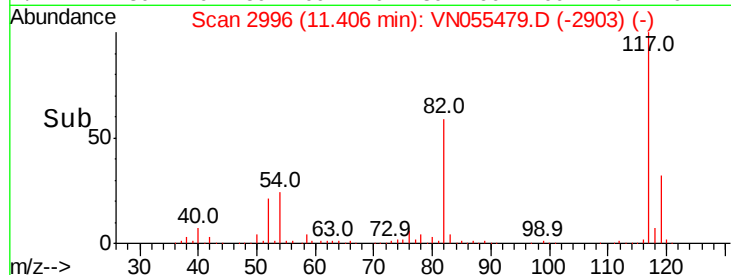
Tot Ion:117 Resp: 1107767
Ion Ratio Lower Upper
117 100
82 59.5 48.0 72.0
119 32.1 26.0 39.0

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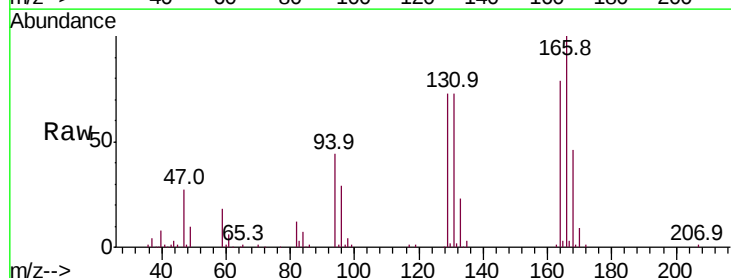


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

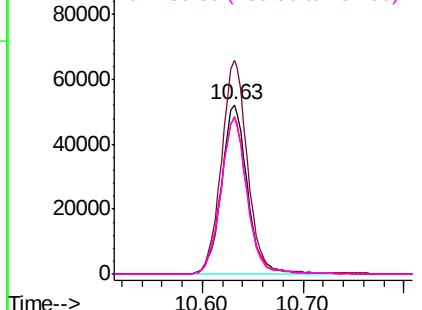
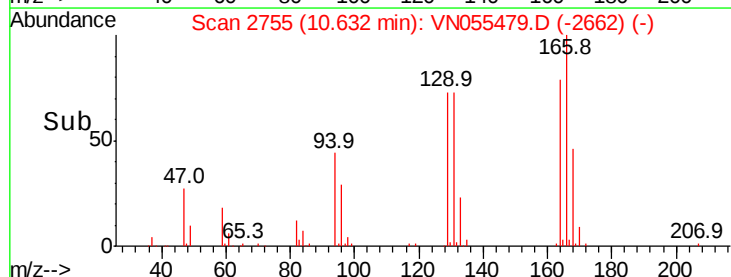


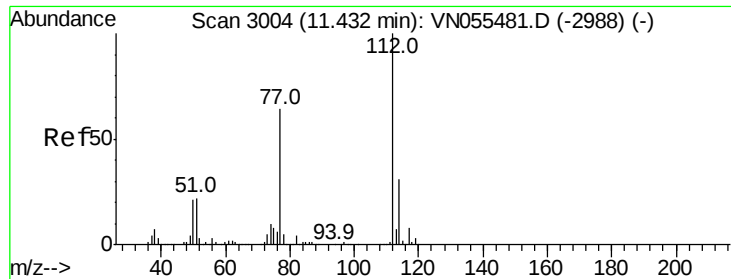
#64
Tetrachloroethene
Concen: 10.283 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion:164 Resp: 93697
Ion Ratio Lower Upper
164 100
166 126.1 102.6 153.8
129 92.7 77.0 115.6
131 91.9 73.7 110.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 10.706 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

Tot Ion:112 Resp: 234903

Ion Ratio Lower Upper

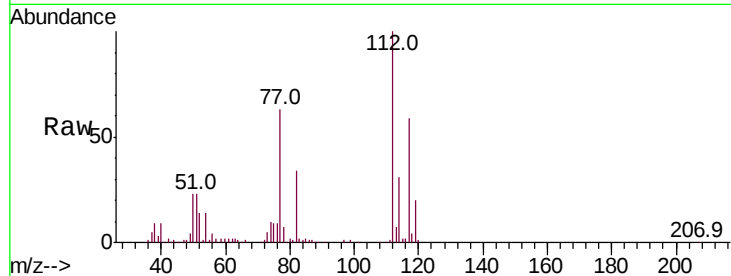
112 100

114 31.3 25.0 37.4

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

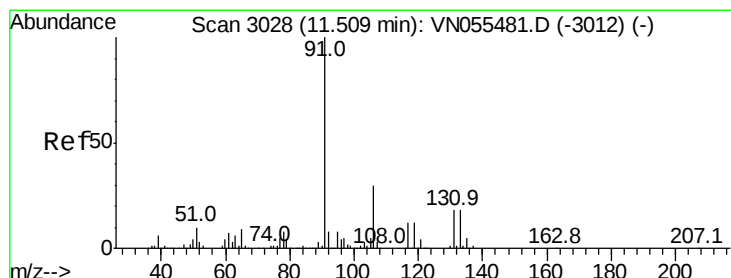
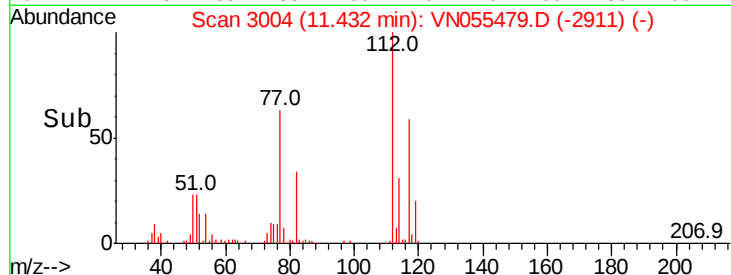
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 9.373 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

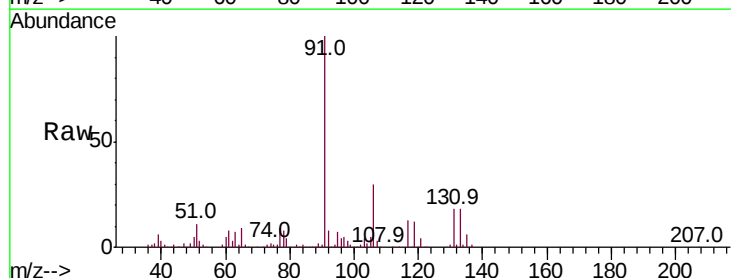
Tgt Ion:131 Resp: 79033

Ion Ratio Lower Upper

131 100

133 100.7 47.4 142.2

119 71.5 34.1 102.2



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

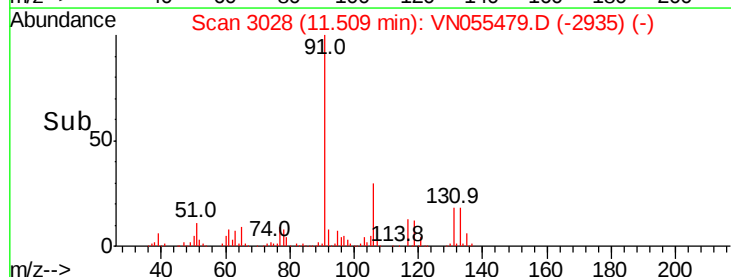
150000

100000

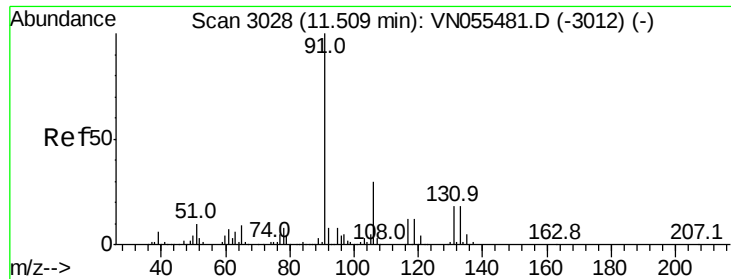
50000

0

Time-->



Time-->



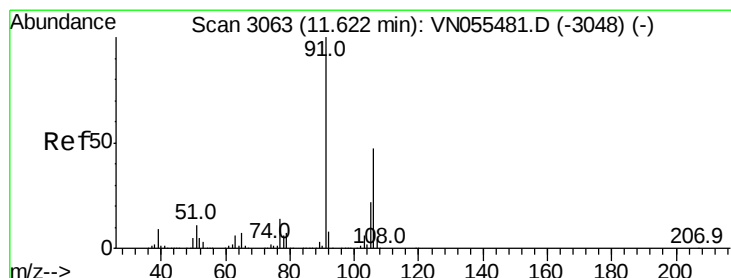
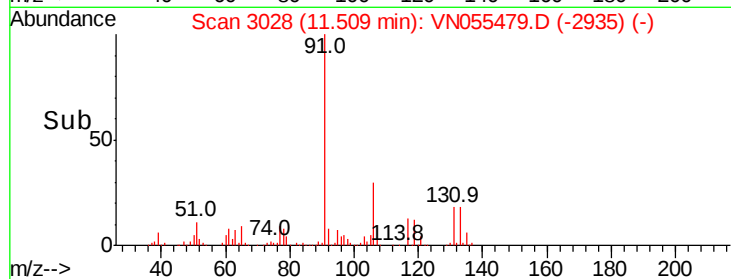
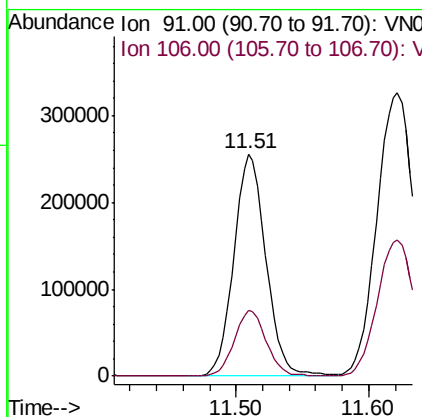
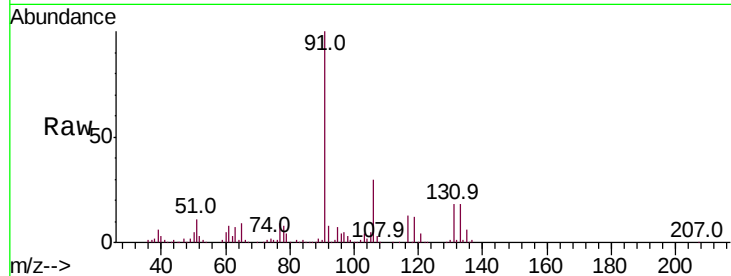
#67
Ethyl Benzene
Concen: 10.804 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 429989
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6

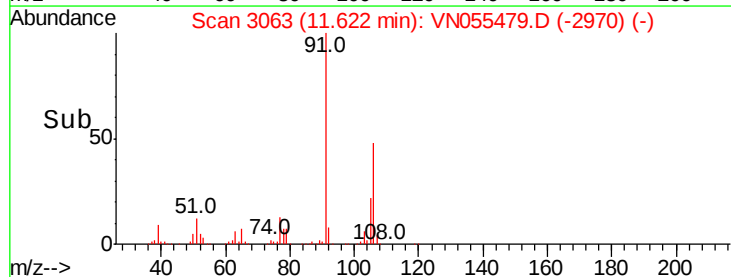
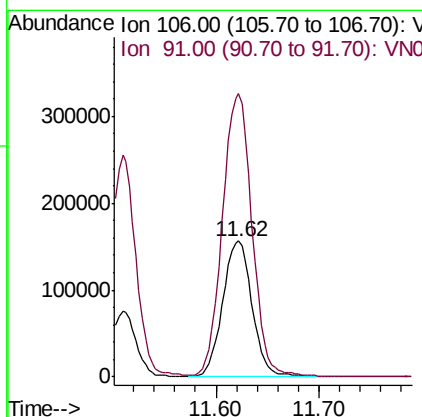
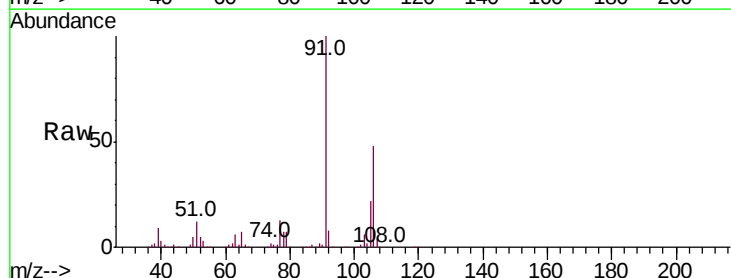
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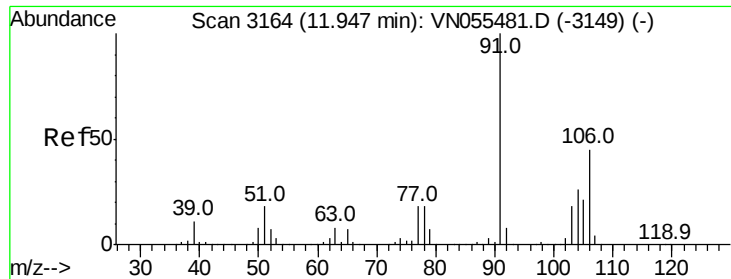
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#68
m/p-Xylenes
Concen: 21.929 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion: 106 Resp: 312254
Ion Ratio Lower Upper
106 100
91 209.7 169.2 253.8





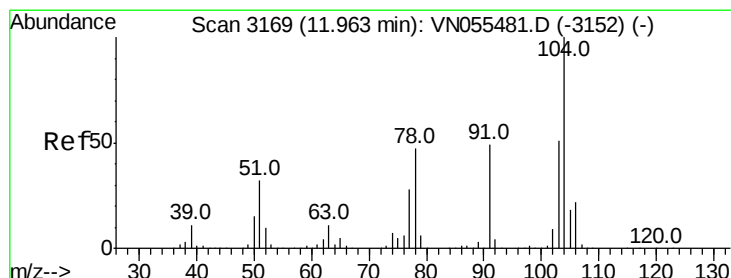
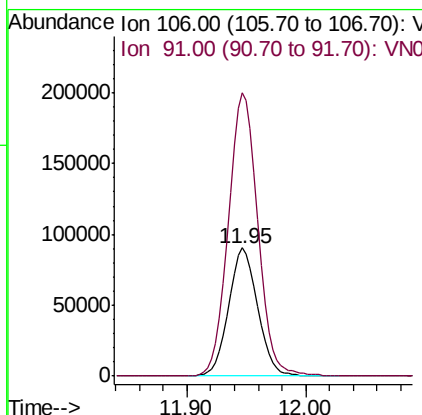
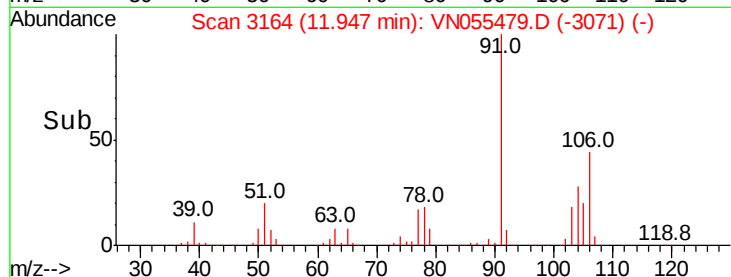
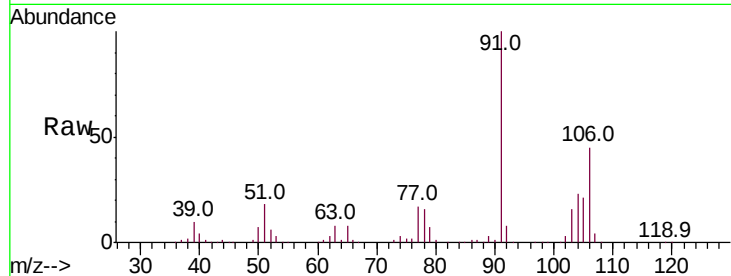
#69
o-Xylene
Concen: 10.874 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion:106 Resp: 153507
Ion Ratio Lower Upper
106 100
91 223.2 111.3 333.8

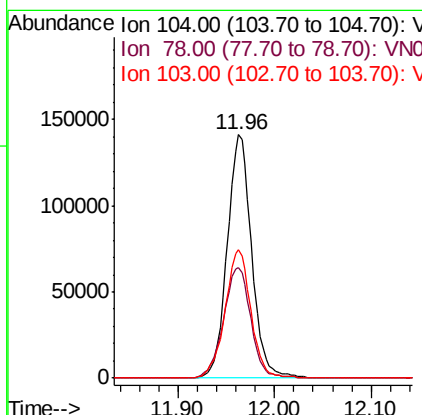
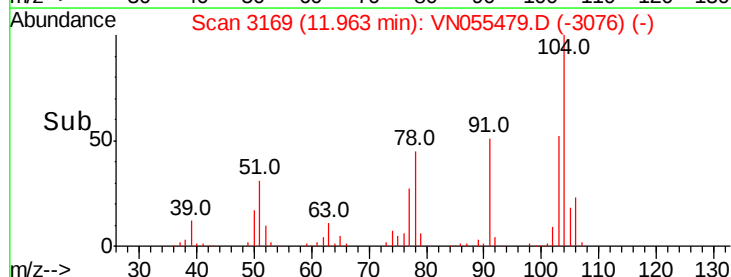
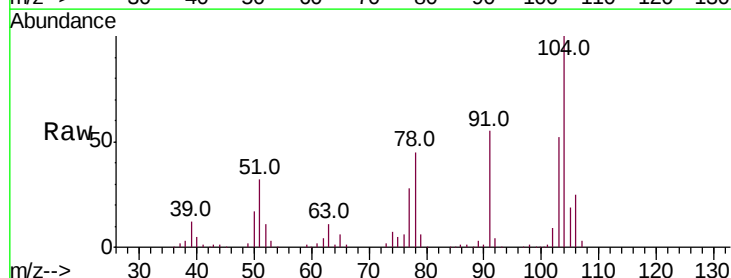
Manual Integrations
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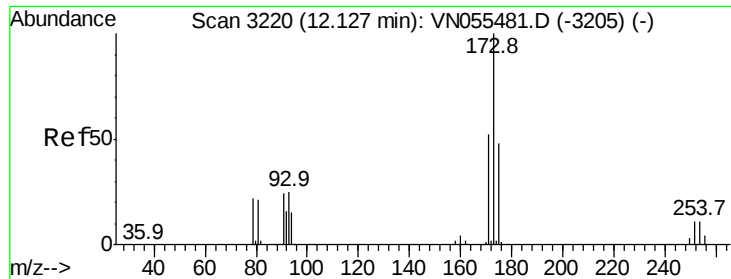
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#70
Styrene
Concen: 11.378 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion:104 Resp: 247926
Ion Ratio Lower Upper
104 100
78 50.8 41.6 62.4
103 55.8 44.4 66.6





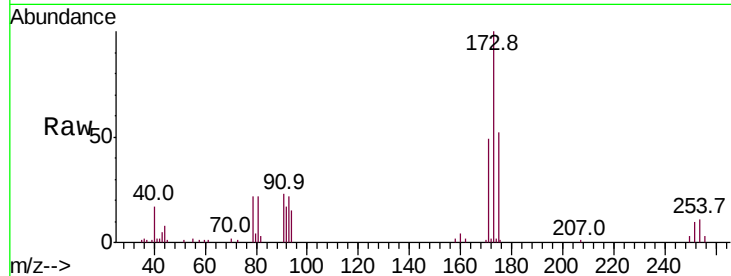
#71
Bromoform
Concen: 10.963 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.4
254	0.0	0.1	0.1#

Manual Integrations
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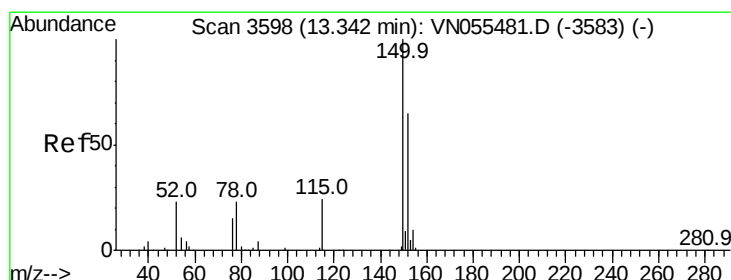
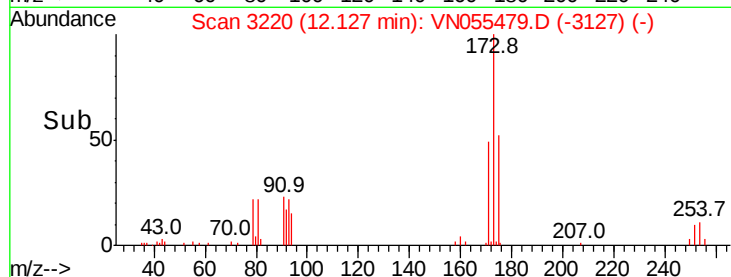
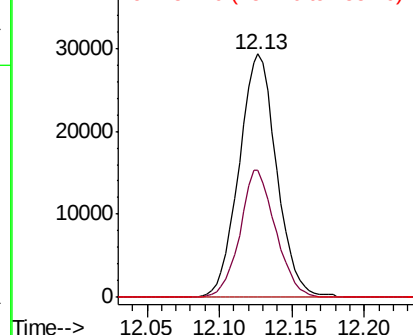


Abundance

Ion 172.70 (172.40 to 173.40): V

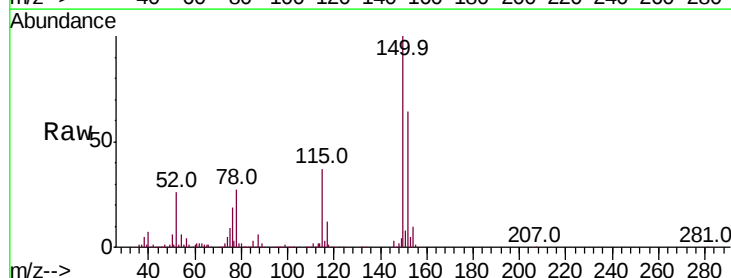
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.1	90.5
150	159.4	0.0	355.0

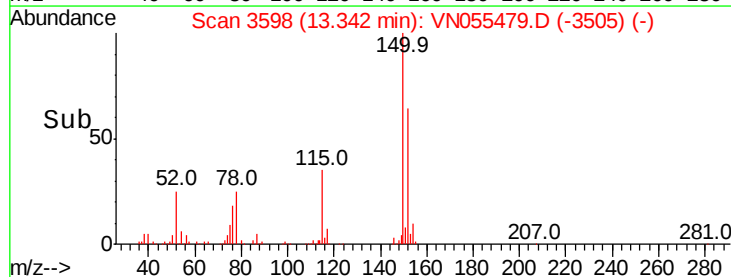
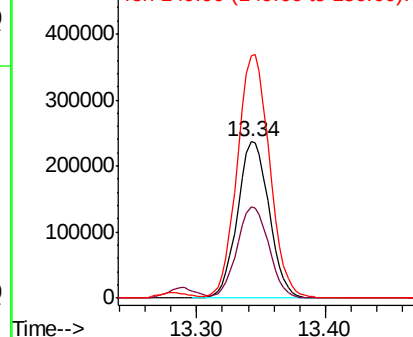


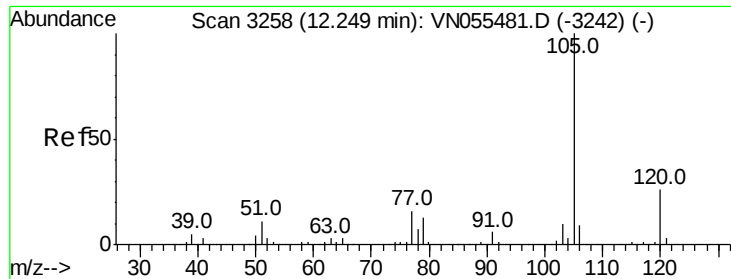
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





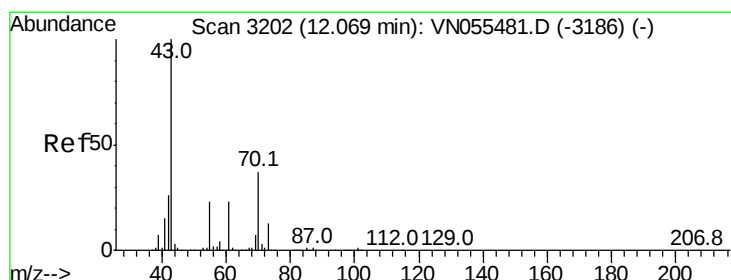
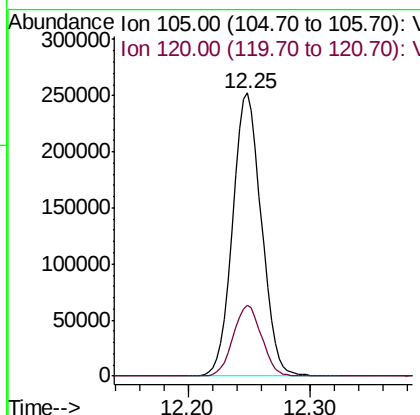
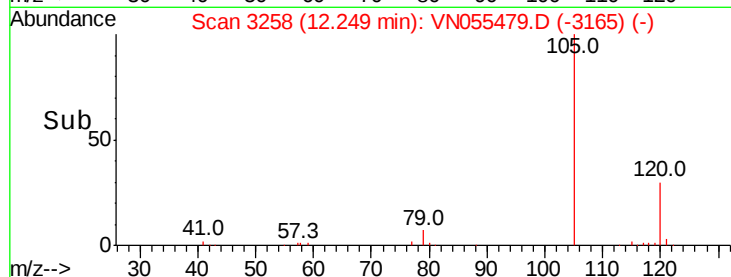
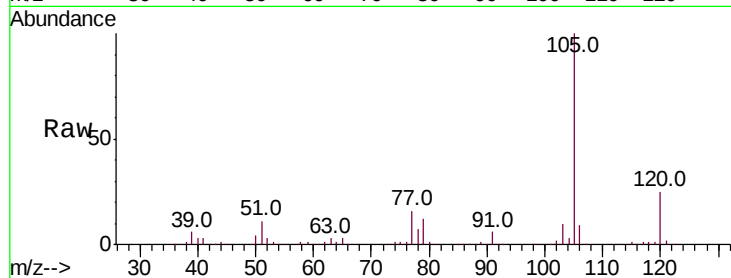
#73
Isopropylbenzene
Concen: 10.179 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion:105 Resp: 413015
Ion Ratio Lower Upper
105 100
120 24.8 13.0 39.0

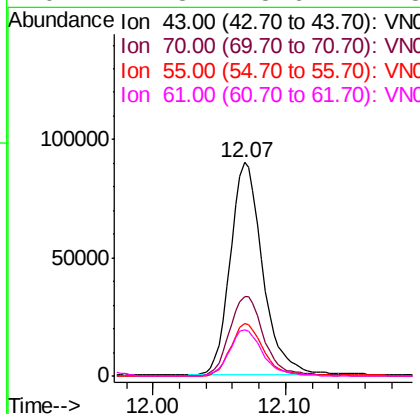
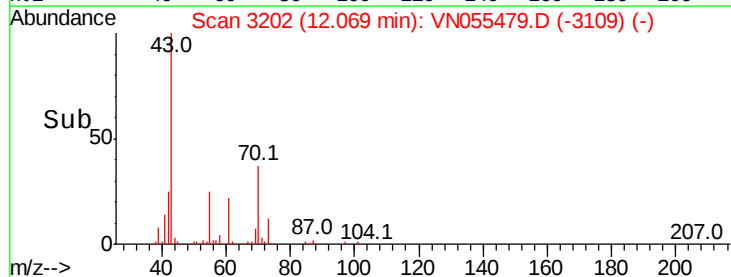
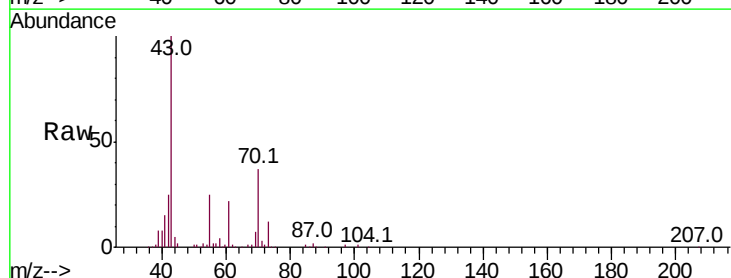
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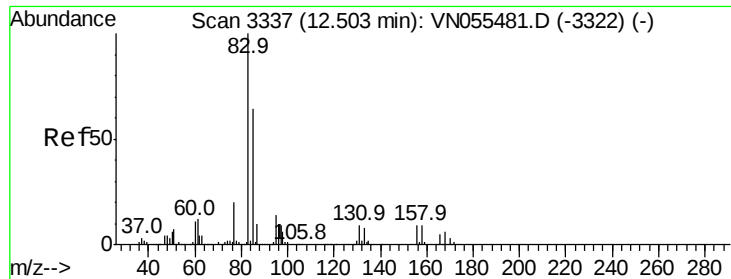
MMDadoda
5/9/2019 6:32:47 PM



#74
N-ethyl acetate
Concen: 13.726 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion: 43 Resp: 153696
Ion Ratio Lower Upper
43 100
70 39.3 30.7 46.1
55 24.7 19.3 28.9
61 22.3 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 12.313 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

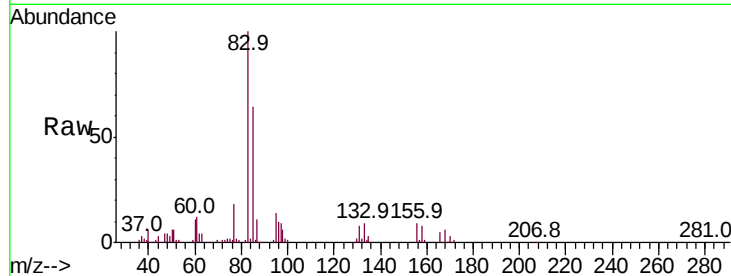
ClientSampled :

VSTDIC010

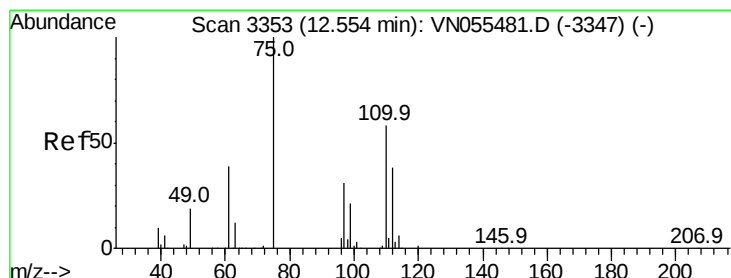
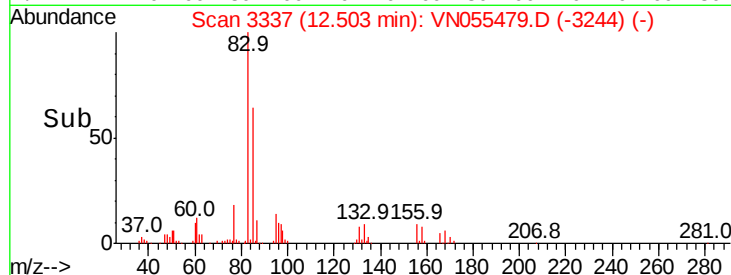
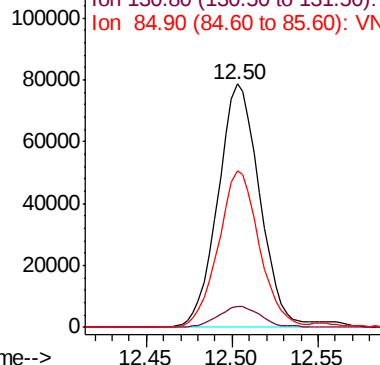
Tot Ion:	83	Resp:	132237
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.5	13.5
85	63.2	32.0	96.0

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Abundance Ion 82.90 (82.60 to 83.60): VN055479.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 12.602 ug/l m

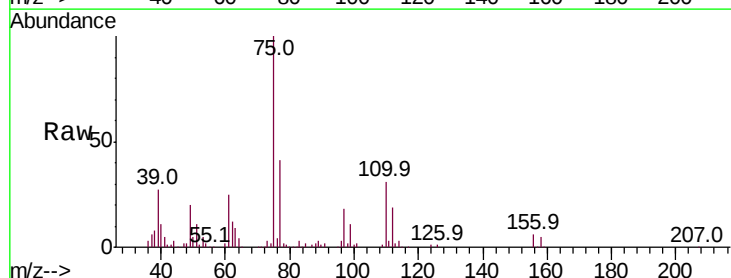
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

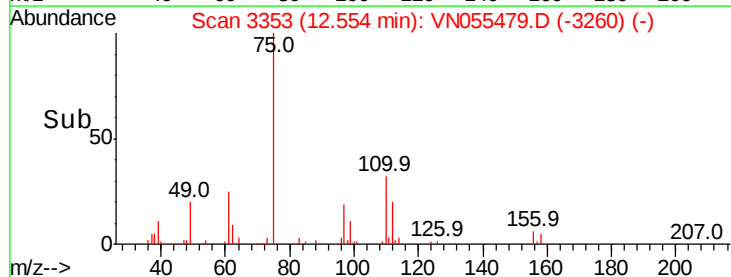
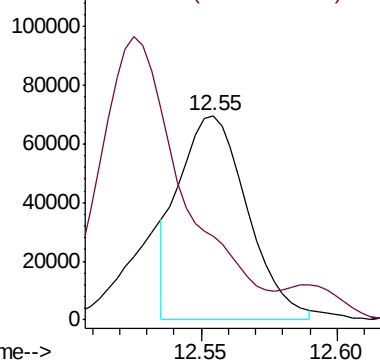
Lab File: VN055479.D

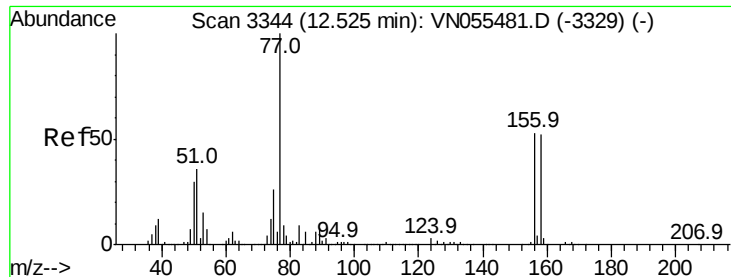
Acq: 8 May 2019 16:59

Tgt Ion:	75	Resp:	121627
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055479.D (-3260) (-)





#77

Bromobenzene

Concen: 10.063 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 92355

Ion Ratio Lower Upper

156 100

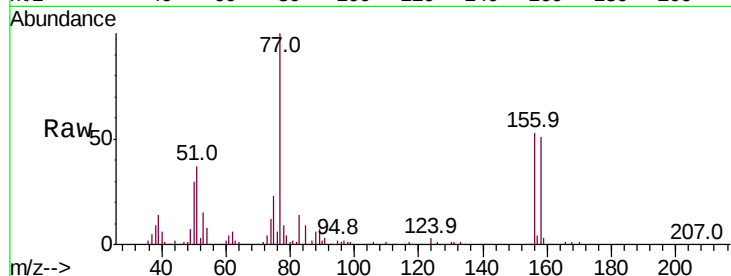
77 225.9 115.4 346.2

158 93.1 48.7 146.1

Manual Integrations
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MMDadoda

5/9/2019 6:32:47 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

120000

100000

80000

60000

40000

20000

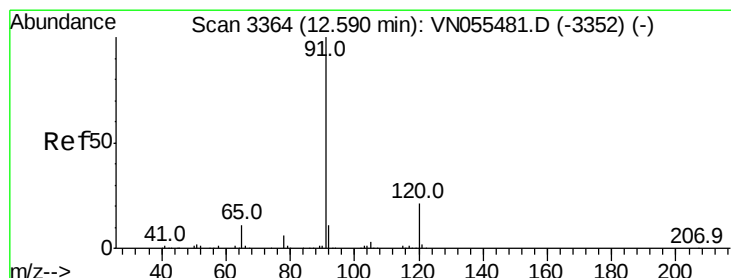
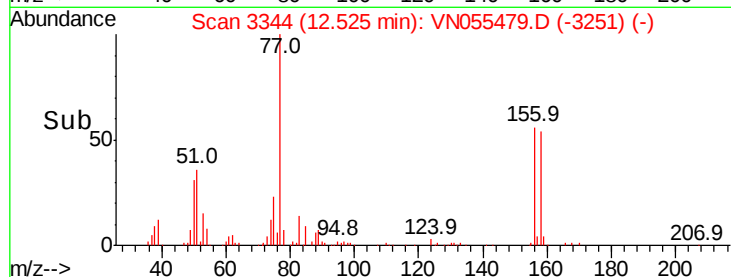
0

12.53

12.50

12.60

Time-->



#78

n-propylbenzene

Concen: 10.626 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055479.D

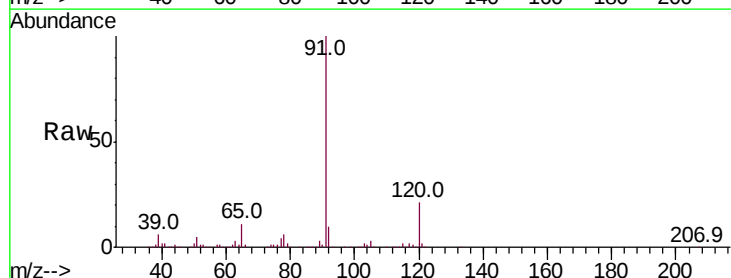
Acq: 8 May 2019 16:59

Tgt Ion: 91 Resp: 446348

Ion Ratio Lower Upper

91 100

120 21.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

50000

0

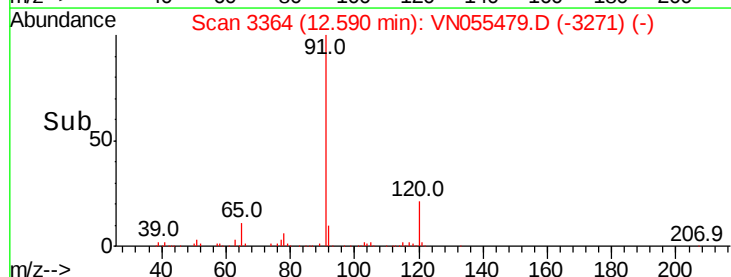
12.59

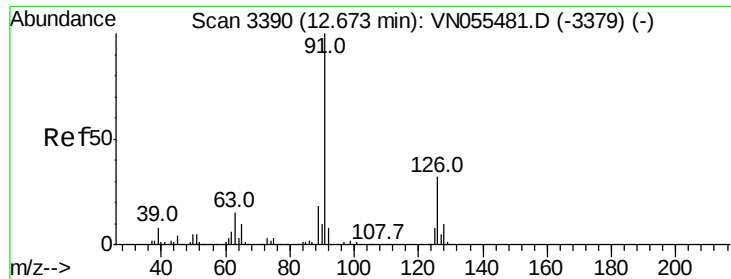
12.55

12.60

12.65

Time-->





#79

2-Chlorotoluene

Concen: 10.461 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

Tot Ion: 91 Resp: 281018

Ion Ratio Lower Upper

91 100

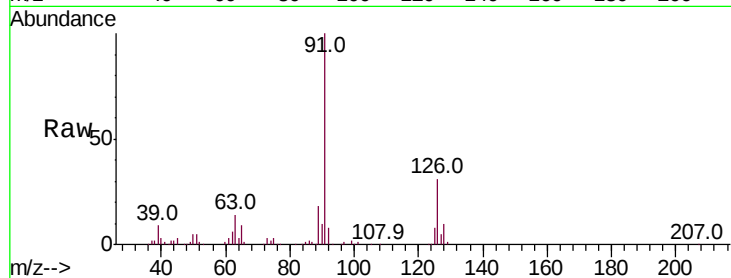
126 31.0 16.0 47.9

Manual Integrations

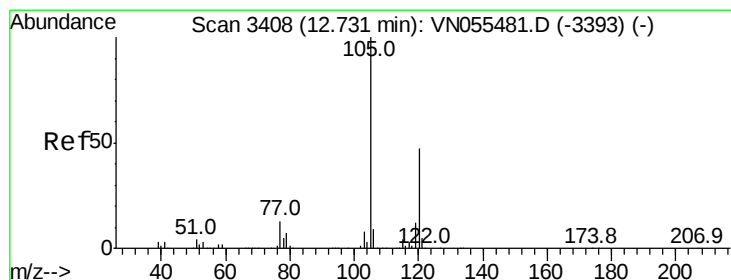
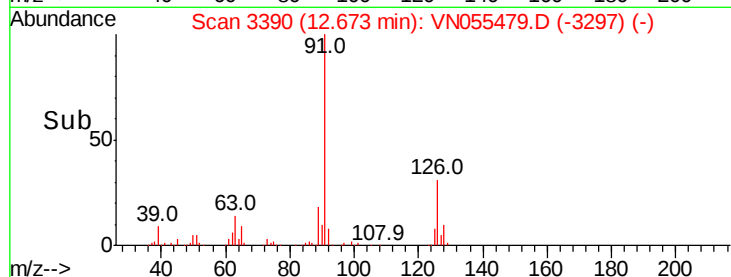
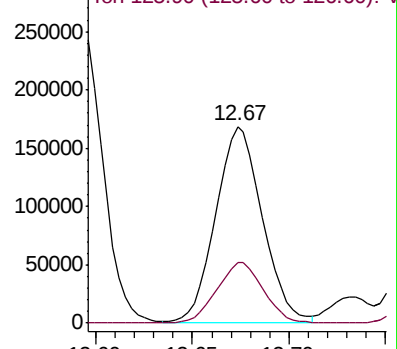
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Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 10.293 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055479.D

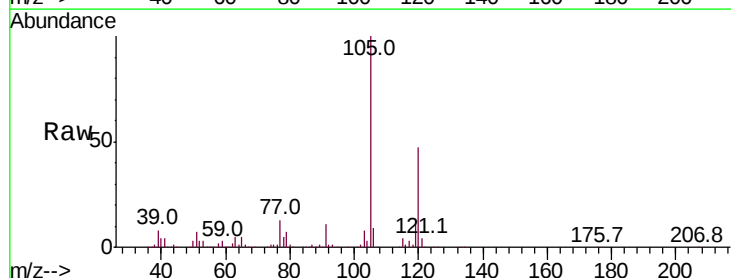
Acq: 8 May 2019 16:59

Tgt Ion:105 Resp: 330481

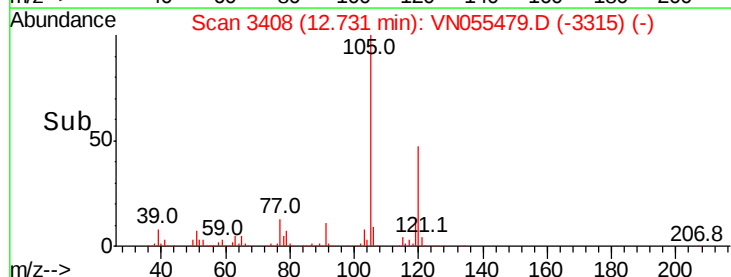
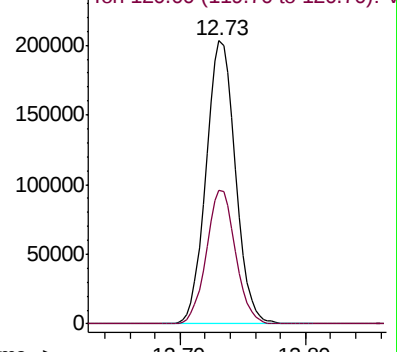
Ion Ratio Lower Upper

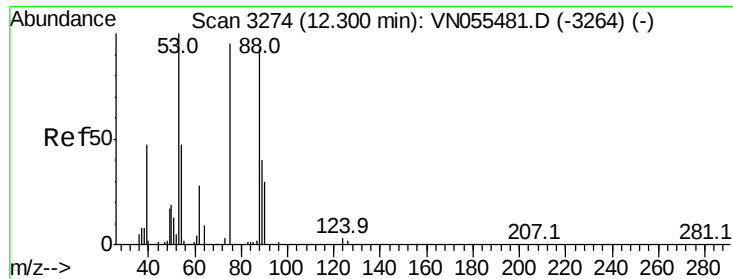
105 100

120 46.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055481.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 12.981 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

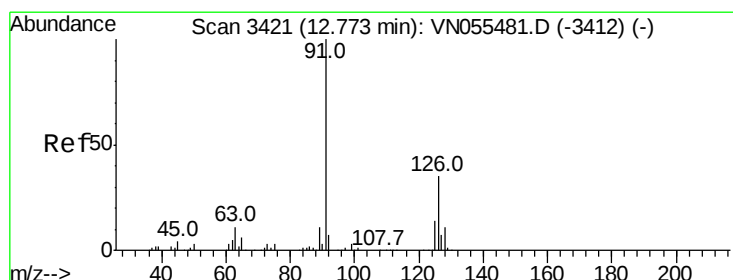
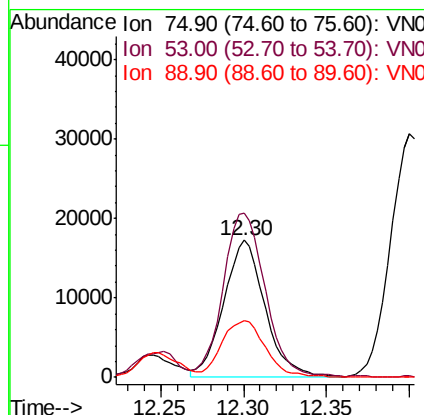
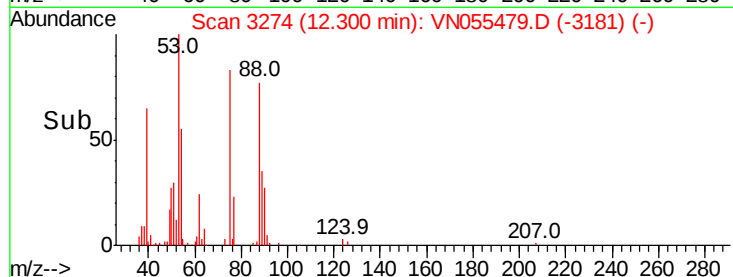
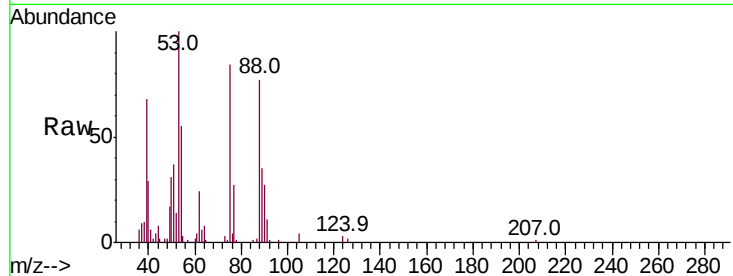
ClientSampled :

VSTDIC010

Tot Ion:	75	Resp:	30031
Ion	Ratio	Lower	Upper
75	100		
53	122.3	86.5	129.7
89	43.9	35.7	53.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 10.602 ug/l

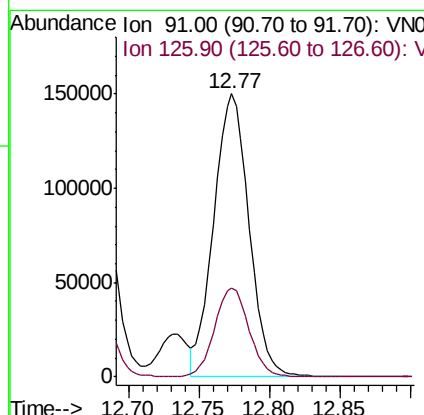
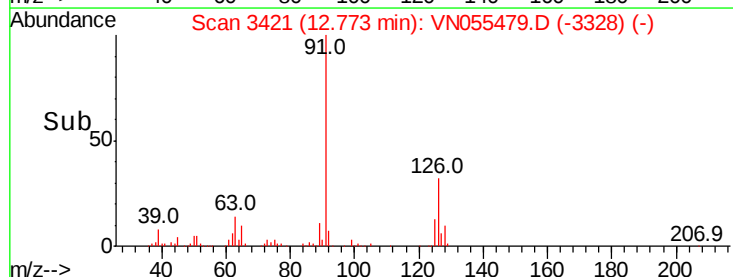
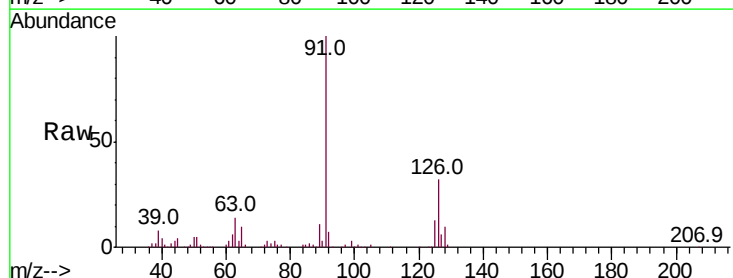
RT: 12.77 min Scan# 3421

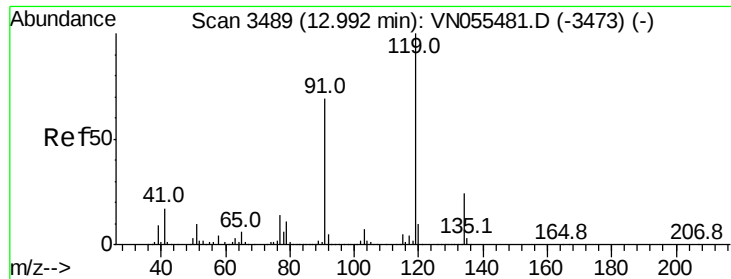
Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Tgt Ion:	91	Resp:	259869
Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.7	47.0





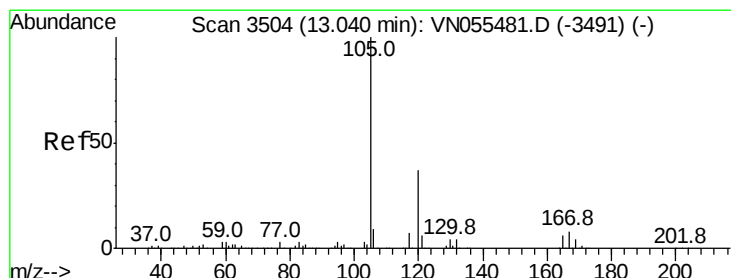
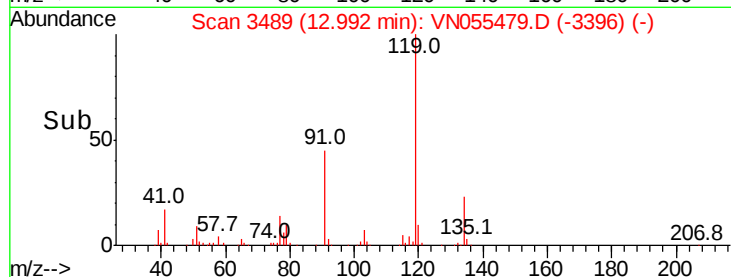
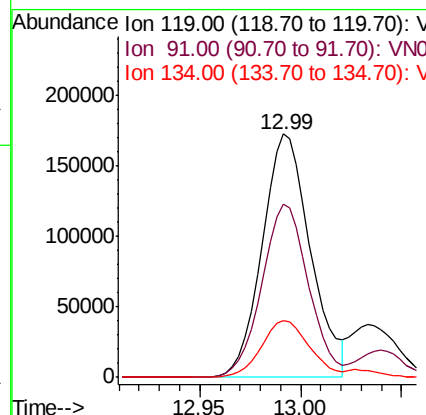
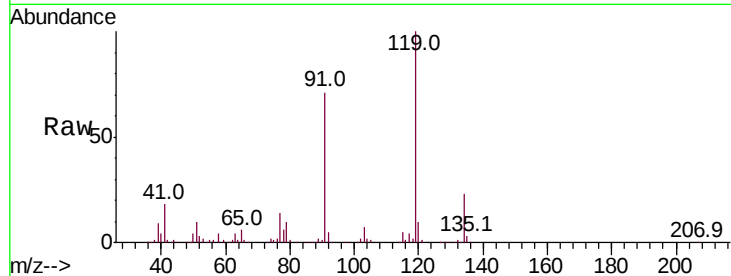
#83
tert-Butylbenzene
Concen: 10.002 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	33.8	101.3
134	23.2	12.5	37.5

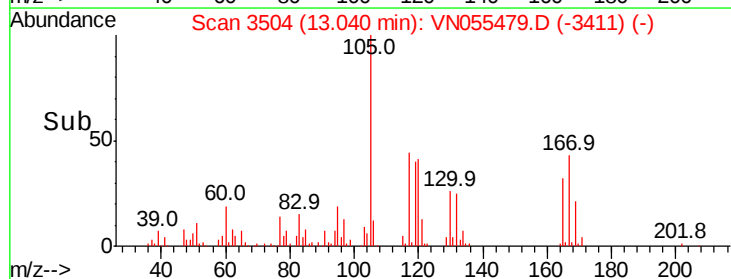
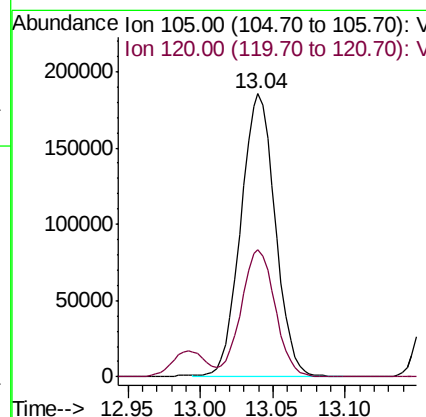
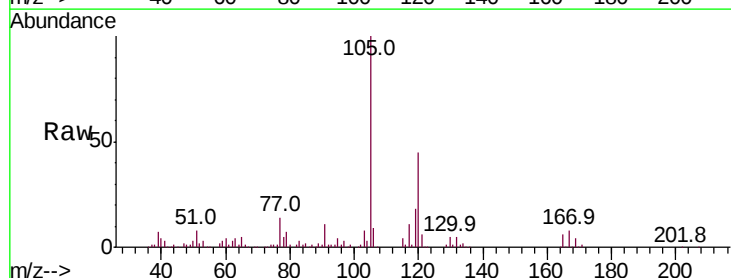
Manual Integrations
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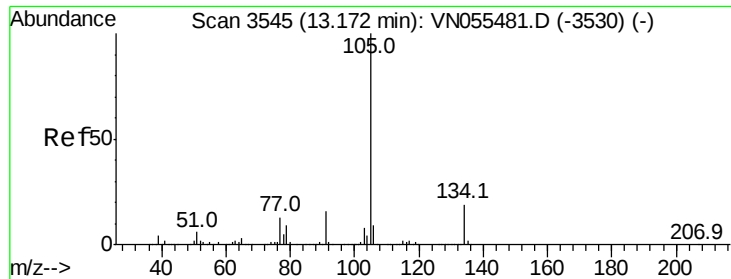
MMDadoda
5/9/2019 6:32:47 PM



#84
1,2,4-Trimethylbenzene
Concen: 10.639 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.5





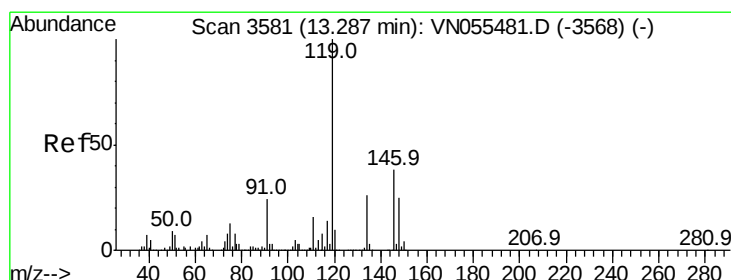
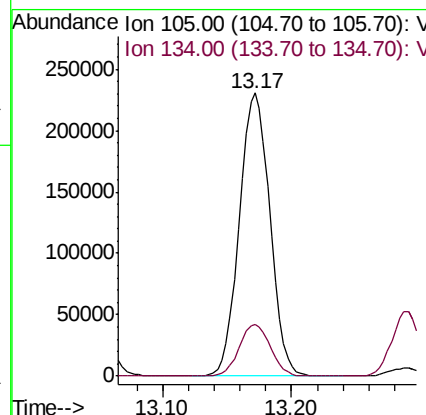
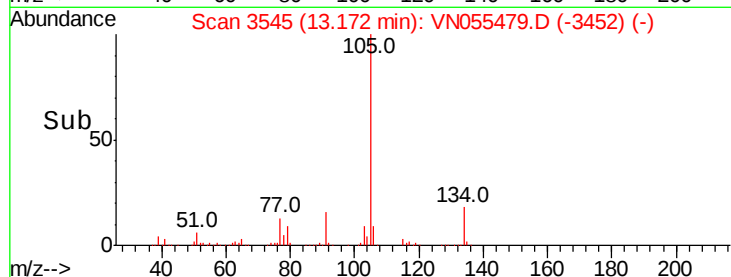
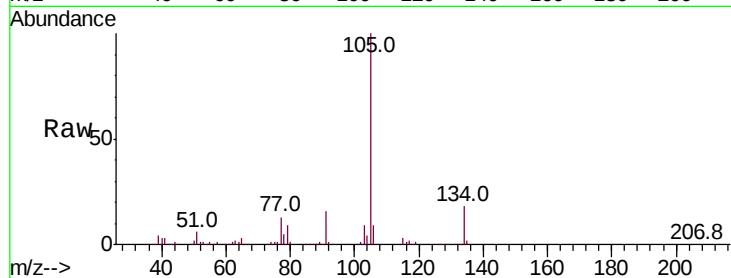
#85
 sec-Butylbenzene
 Concen: 10.838 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	379524		
134	18.6	9.3	28.0	

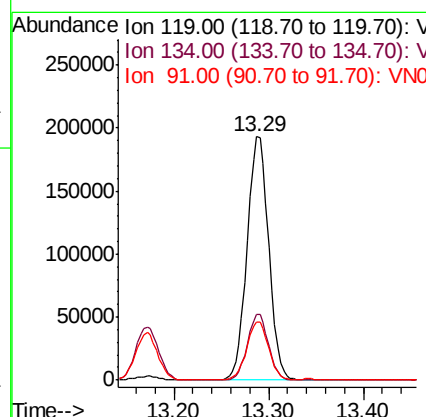
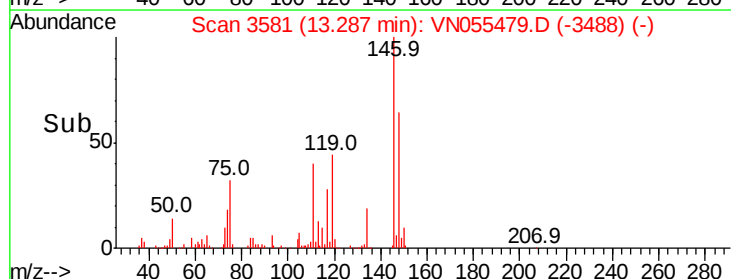
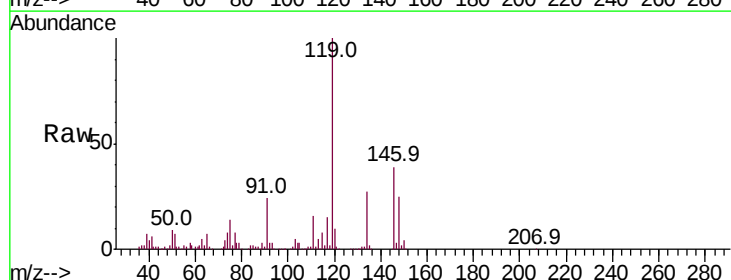
Manual Integrations
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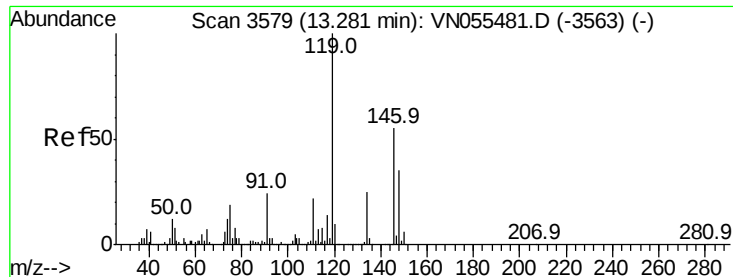
MMDadoda
 5/9/2019 6:32:47 PM



#86
 p-Isopropyltoluene
 Concen: 10.671 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	306676		
134	26.3	12.8	38.4	
91	24.2	12.0	36.0	





#87

1,3-Dichlorobenzene

Concen: 10.322 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

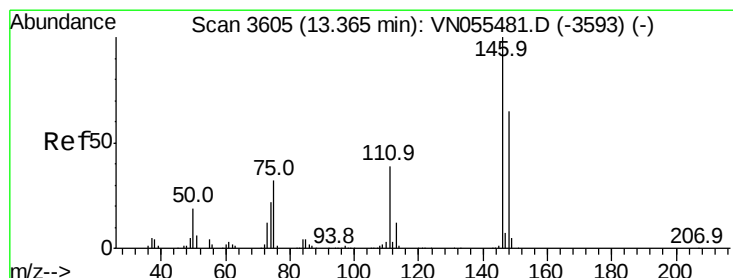
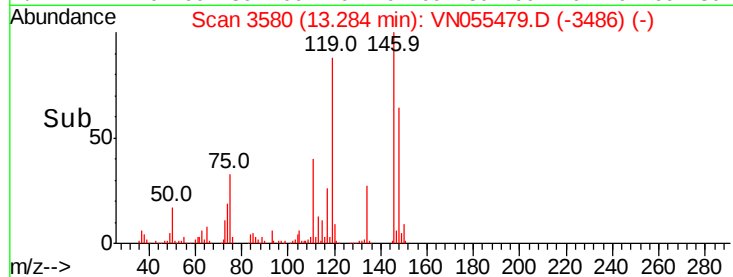
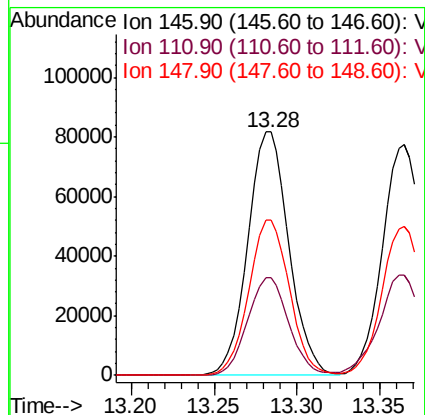
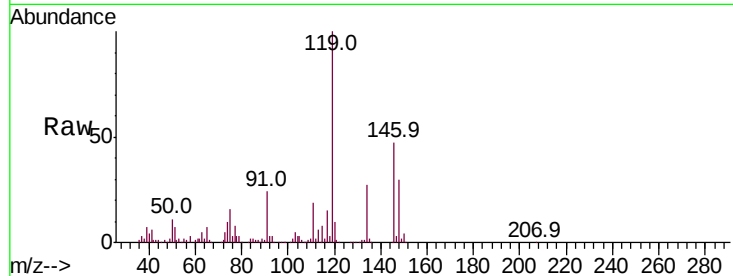
ClientSampled :

VSTDIC010

Tot Ion:	146	Resp:	141097
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.4	61.3
148	63.4	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 10.394 ug/l

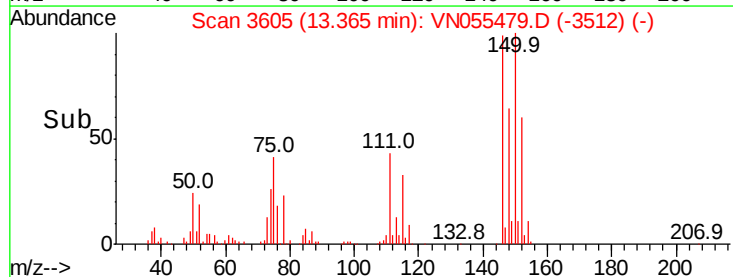
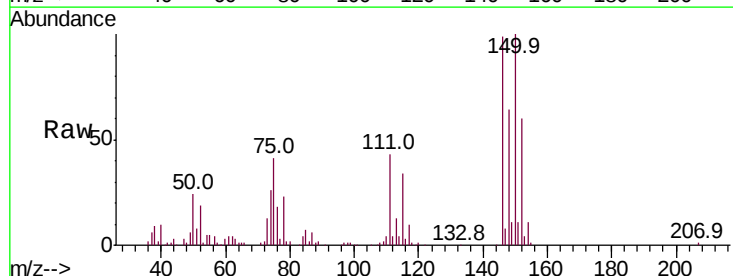
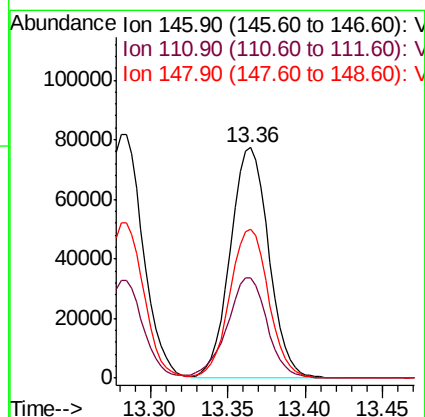
RT: 13.36 min Scan# 3605

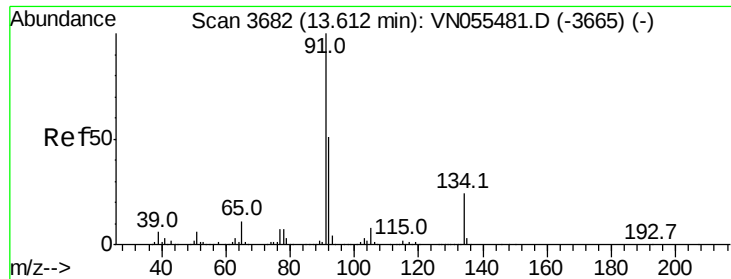
Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Tgt Ion:	146	Resp:	133881
Ion Ratio	Lower	Upper	
146	100		
111	45.4	19.6	58.8
148	65.1	32.5	97.4





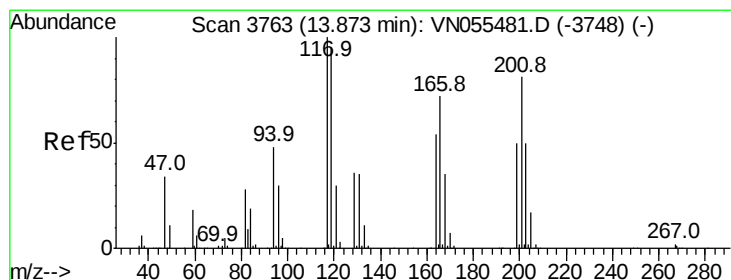
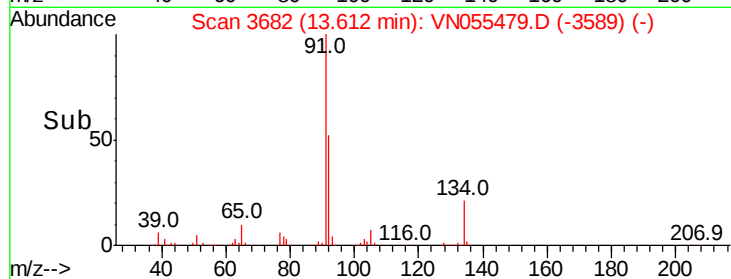
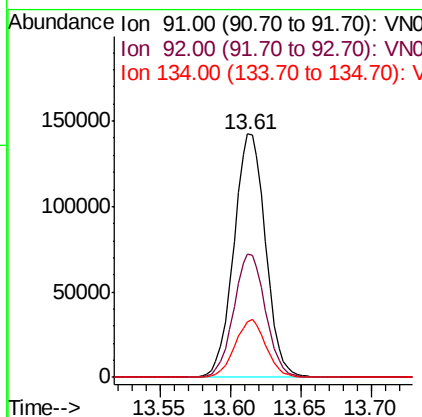
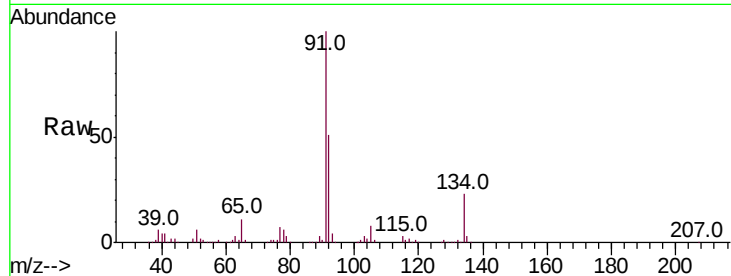
#89
n-Butylbenzene
Concen: 10.834 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100	224506		
92	50.7		25.9	77.7
134	23.3		11.8	35.4

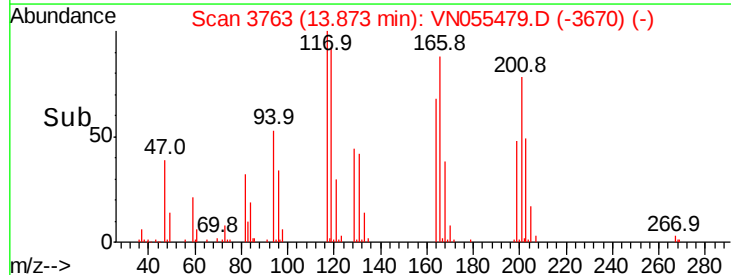
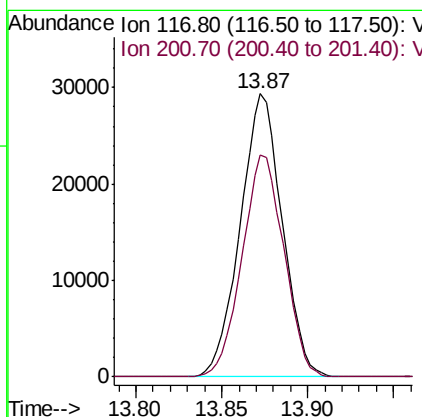
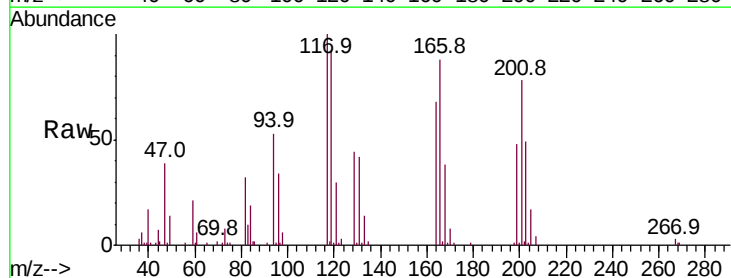
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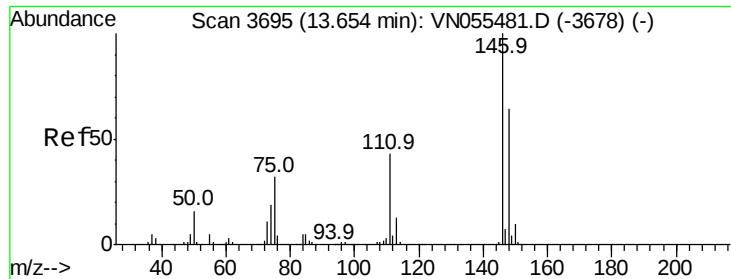
MMDadoda
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#90
Hexachloroethane
Concen: 9.292 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	49652		
201	78.1		40.1	120.2





#91

1,2-Dichlorobenzene

Concen: 10.149 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

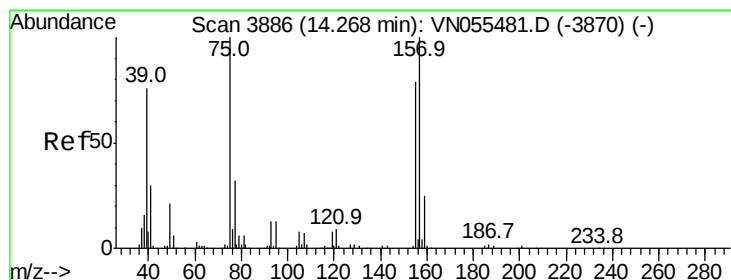
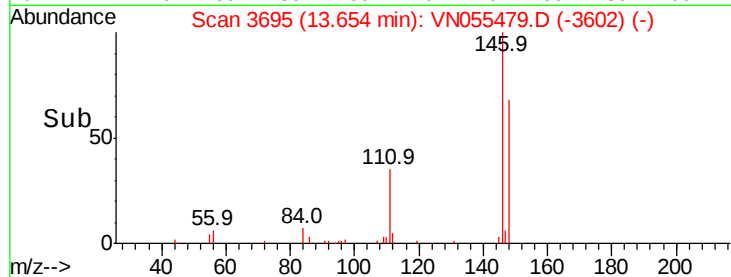
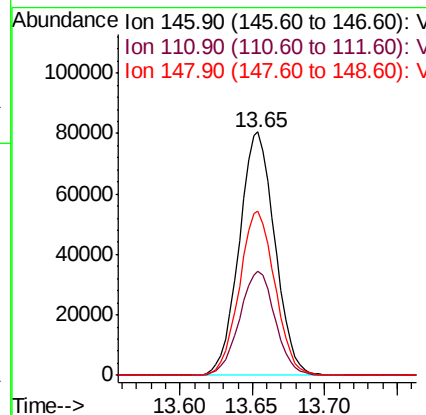
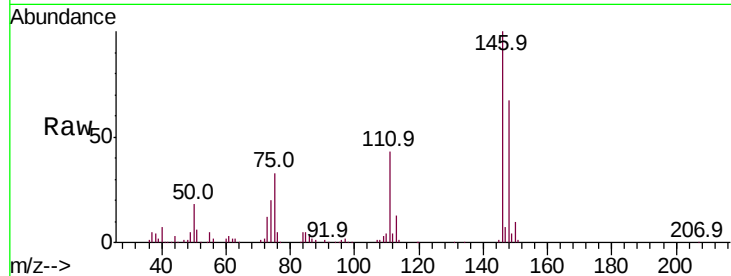
ClientSampled :

VSTDIC010

Tot Ion:	146	Resp:	137642
Ion Ratio	Lower	Upper	
146	100		
111	42.6	21.3	63.7
148	67.2	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 15.442 ug/l

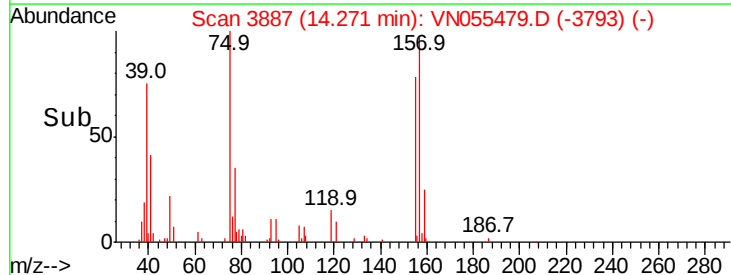
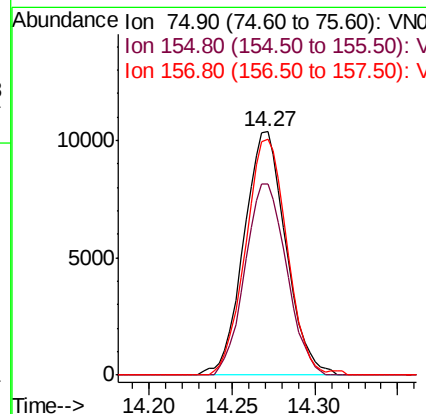
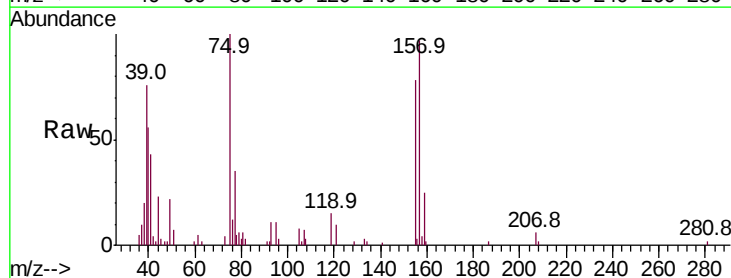
RT: 14.27 min Scan# 3887

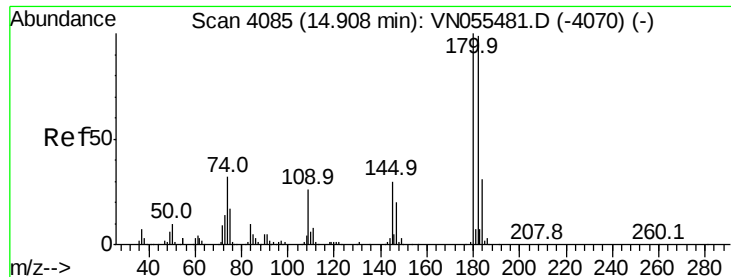
Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Tgt Ion:	75	Resp:	18320
Ion Ratio	Lower	Upper	
75	100		
155	77.7	39.3	117.8
157	95.8	50.6	151.8





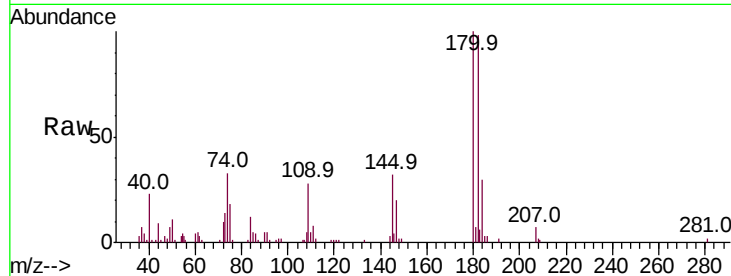
#93
 1,2,4-Trichlorobenzene
 Concen: 9.229 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.2	48.7	146.1	
145	31.6	15.3	45.9	

Manual Integrations
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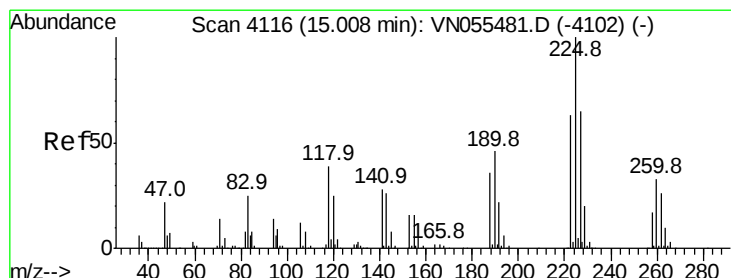
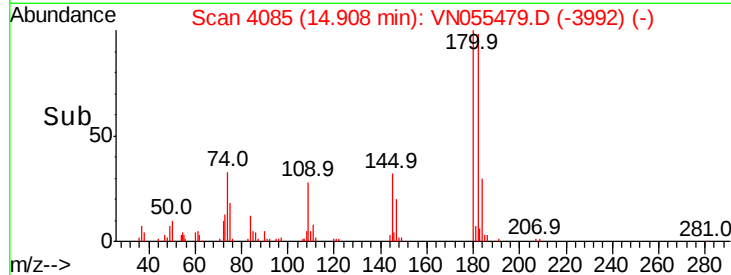
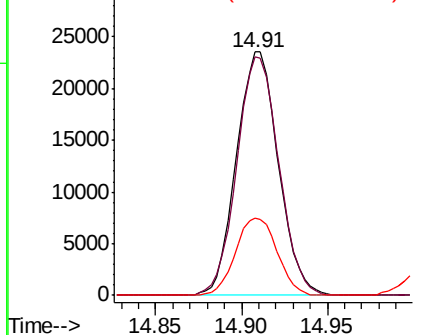


Abundance

Ion 179.80 (179.50 to 180.50): V

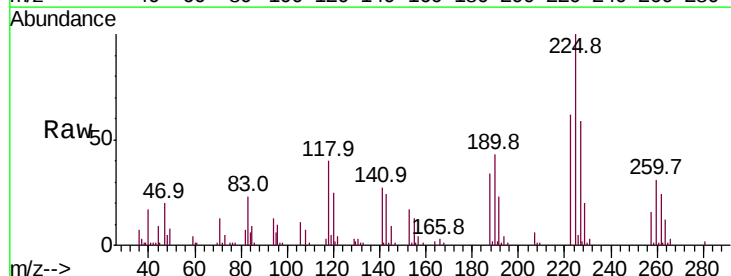
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 9.837 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	31.4	94.3	
227	61.9	32.0	96.0	

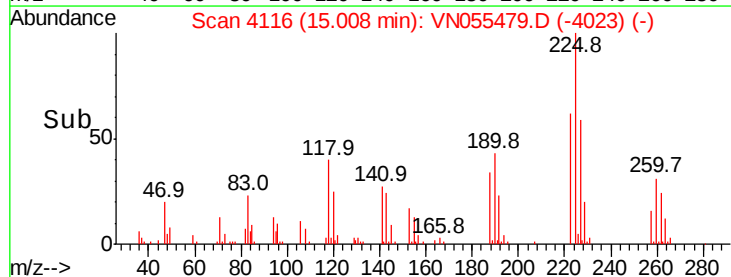
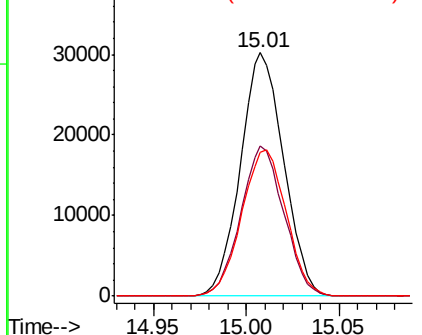


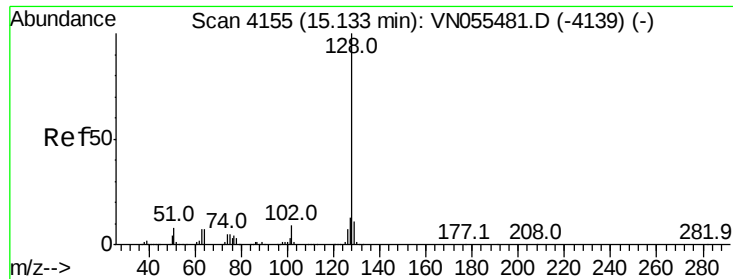
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





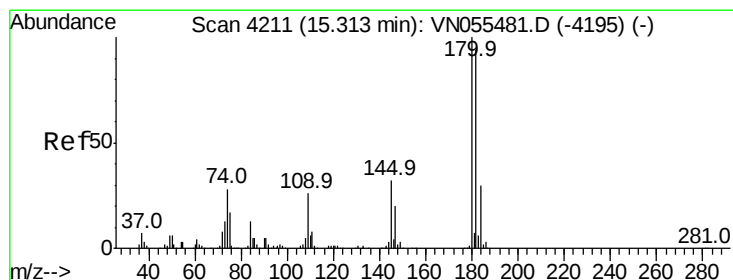
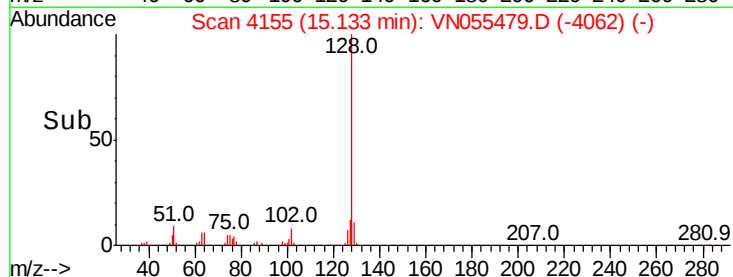
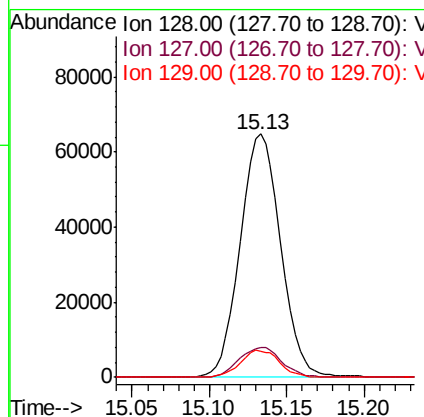
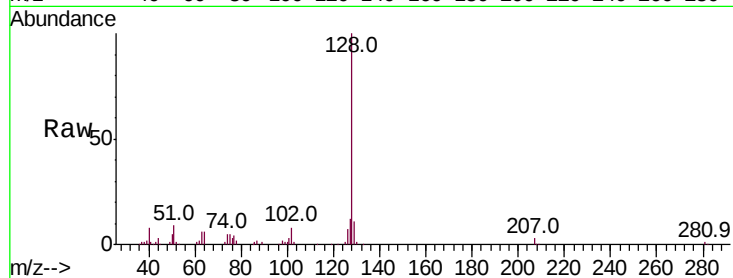
#95
Naphthalene
Concen: 11.722 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.0	15.0
129	10.9	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 10.691 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.1	141.3
145	29.9	15.8	47.4

