

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050819\
 Data File : VN055483.D
 Acq On : 8 May 2019 19:30
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN050819

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 6:33:10 PM

Quant Time: May 09 04:29:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:10:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	713154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1258297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1116606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	482611	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	545495	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
35) Dibromofluoromethane	7.59	113	409155	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.09	98	1611250	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	559236	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	345360	47.565	ug/l	100
3) Chloromethane	2.06	50	573982	48.660	ug/l	98
4) Vinyl Chloride	2.19	62	542739	48.742	ug/l	99
5) Bromomethane	2.54	94	315674	51.743	ug/l	99
6) Chloroethane	2.69	64	330870	51.014	ug/l	97
7) Trichlorofluoromethane	3.01	101	600672	49.173	ug/l	99
8) Diethyl Ether	3.41	74	272652	49.699	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	375211	48.278	ug/l	100
10) Methyl Iodide	3.94	142	550200	52.379	ug/l	99
11) Tert butyl alcohol	4.82	59	428888	270.517	ug/l	100
12) 1,1-Dichloroethene	3.73	96	390149	50.055	ug/l	99
13) Acrolein	3.60	56	282729	267.575	ug/l	97
14) Allyl chloride	4.32	41	812347	50.879	ug/l	99
15) Acrylonitrile	5.00	53	1285265	261.804	ug/l	100
16) Acetone	3.82	43	1104020	222.052	ug/l	98
17) Carbon Disulfide	4.04	76	1096327	51.536	ug/l	100
18) Methyl Acetate	4.33	43	538031	51.603	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1345292	51.943	ug/l	97
20) Methylene Chloride	4.55	84	483823	47.589	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	424119	50.188	ug/l	98
22) Diisopropyl ether	5.96	45	1679944	51.777	ug/l	100
23) Vinyl Acetate	5.90	43	6851439	273.052	ug/l	99
24) 1,1-Dichloroethane	5.85	63	872438	49.812	ug/l	99
25) 2-Butanone	6.85	43	1786381	260.100	ug/l	100
26) 2,2-Dichloropropane	6.82	77	537240	49.205	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	490634	50.236	ug/l	98
28) Bromochloromethane	7.20	49	461679	50.758	ug/l	99
29) Tetrahydrofuran	7.22	42	1178751	259.616	ug/l	100
30) Chloroform	7.37	83	811426	50.114	ug/l	99
31) Cyclohexane	7.65	56	829511	47.867	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	629398	51.046	ug/l	100
36) 1,1-Dichloropropene	7.79	75	624722	50.395	ug/l	99
37) Ethyl Acetate	6.94	43	708629	52.404	ug/l	99
38) Carbon Tetrachloride	7.77	117	516932	49.523	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	734062	48.567	ug/l	98
40) Benzene	8.04	78	1930970	50.190	ug/l	100
41) Methacrylonitrile	7.18	41	342095	54.506	ug/l	99
42) 1,2-Dichloroethane	8.13	62	657215	48.622	ug/l	100
43) Isopropyl Acetate	8.17	43	1094408	53.272	ug/l #	90
44) Trichloroethene	8.84	130	452055	49.382	ug/l	99
45) 1,2-Dichloropropane	9.12	63	541746	49.213	ug/l	99
46) Dibromomethane	9.21	93	311490	48.818	ug/l	98
47) Bromodichloromethane	9.40	83	624005	51.120	ug/l	98
48) Methyl methacrylate	9.20	41	534777	54.028	ug/l	100
49) 1,4-Dioxane	9.20	88	206017	1067.897	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	3555188	263.126	ug/l	100
52) Toluene	10.16	92	1132463	51.487	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	643574	54.895	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	754057	53.826	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	445625	50.005	ug/l	99
56) Ethyl methacrylate	10.43	69	713385	53.818	ug/l	99
57) 1,3-Dichloropropane	10.71	76	806265	50.961	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1055895	237.298	ug/l	99
59) 2-Hexanone	10.75	43	2484144	262.164	ug/l	100
60) Dibromochloromethane	10.90	129	435492	53.748	ug/l	100
61) 1,2-Dibromoethane	11.01	107	444354	51.896	ug/l	99
64) Tetrachloroethene	10.63	164	418915	45.786	ug/l	99
65) Chlorobenzene	11.43	112	1130287	49.202	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	403920	51.073	ug/l	99
67) Ethyl Benzene	11.51	91	2165663	50.194	ug/l	100
68) m/p-Xylenes	11.62	106	1577686	101.892	ug/l	98
69) o-Xylene	11.95	106	773848	50.848	ug/l	100
70) Styrene	11.96	104	1309845	53.722	ug/l	100
71) Bromoform	12.13	173	285748	53.543	ug/l #	99
73) Isopropylbenzene	12.25	105	2037573	51.266	ug/l	99
74) N-amyl acetate	12.07	43	915537	49.968	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	668856	51.781	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	570922m	50.519	ug/l	
77) Bromobenzene	12.53	156	468571	44.056	ug/l	100
78) n-propylbenzene	12.59	91	2365719	45.703	ug/l	100
79) 2-Chlorotoluene	12.67	91	1418529	43.973	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1752116	45.395	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	171269	48.100	ug/l	100
82) 4-Chlorotoluene	12.77	91	1407340	46.170	ug/l	100
83) tert-Butylbenzene	12.99	119	1447583	43.756	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1696685	47.931	ug/l	100
85) sec-Butylbenzene	13.17	105	1988561	45.227	ug/l	100
86) p-Isopropyltoluene	13.29	119	1706147	47.680	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	805255	48.997	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	773443	47.687	ug/l	99
89) n-Butylbenzene	13.61	91	1409150	50.805	ug/l	99
90) Hexachloroethane	13.87	117	269384	46.150	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	801654	48.806	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	113273	51.041	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu May 09 04:10:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	344789	48.325	ug/l	98
94) Hexachlorobutadiene	15.01	225	251956	51.924	ug/l	100
95) Naphthalene	15.13	128	994743	49.469	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	378041	48.872	ug/l	100

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

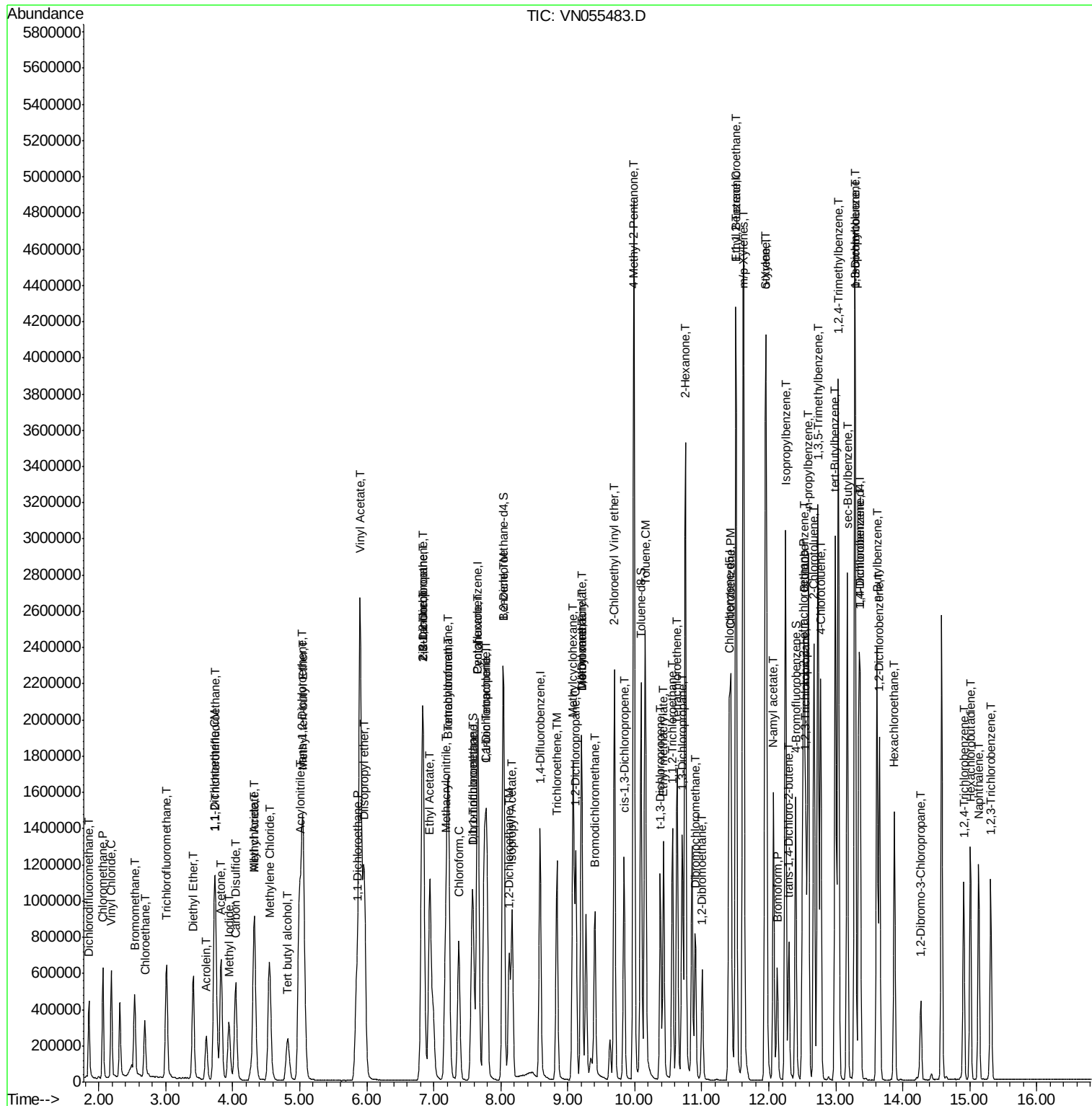
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050819\
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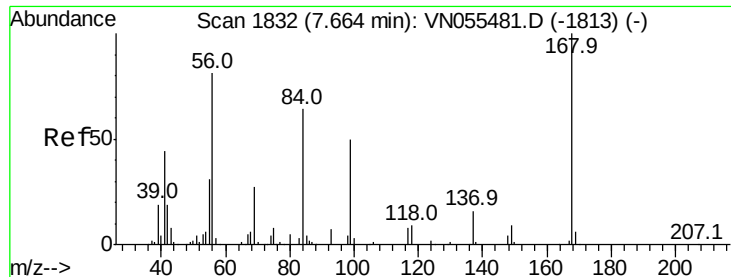
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN050819

Tot Ion:168 Resp: 713154

Ion Ratio Lower Upper

168 100

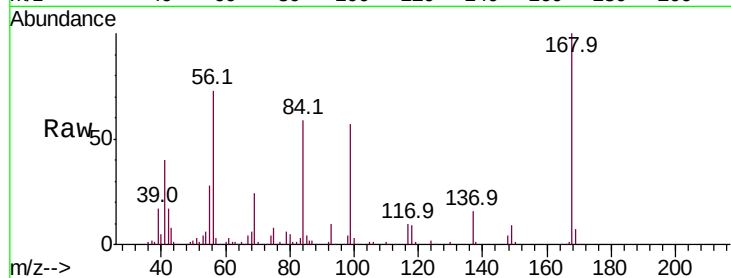
99 56.1 47.0 70.4

Manual Integrations

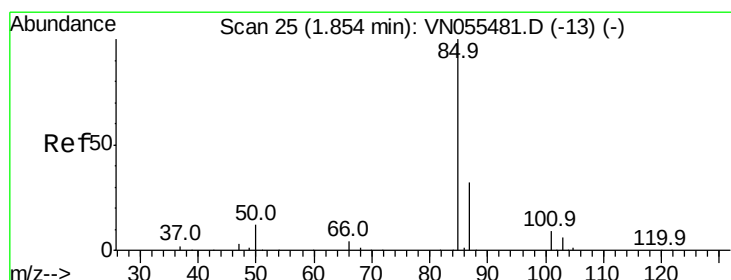
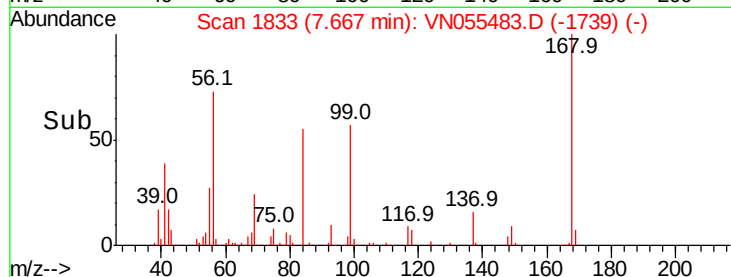
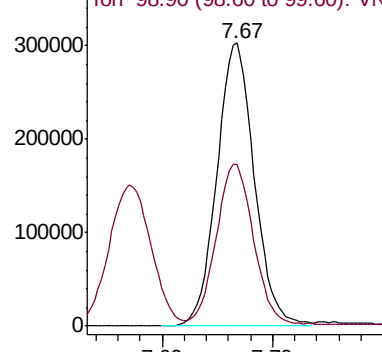
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Abundance Ion 167.90 (167.60 to 168.60): VN055483.D (-1739) (-)



#2

Dichlorodifluoromethane

Concen: 47.565 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055483.D

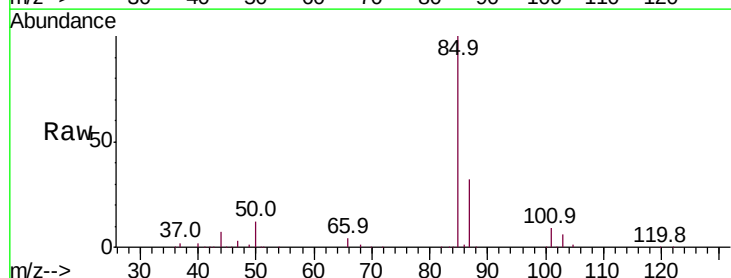
Acq: 8 May 2019 19:30

Tgt Ion: 85 Resp: 345360

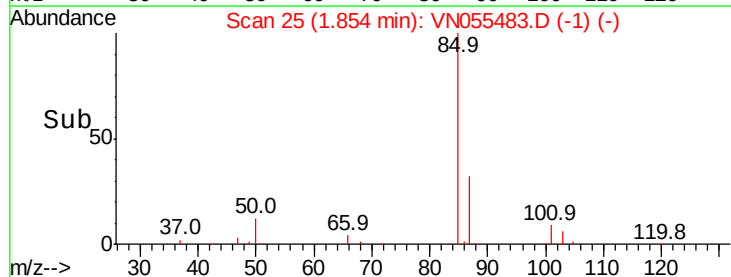
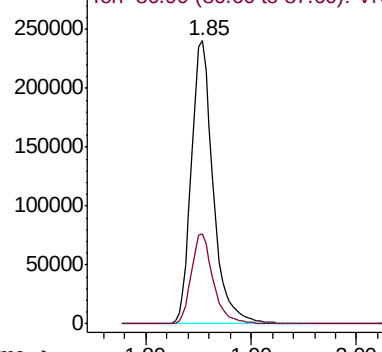
Ion Ratio Lower Upper

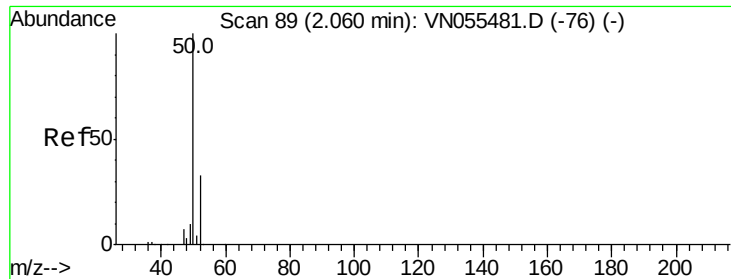
85 100

87 31.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN055483.D (-1) (-)





#3

Chloromethane

Concen: 48.660 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN050819

Tot Ion: 50 Resp: 573982

Ion Ratio Lower Upper

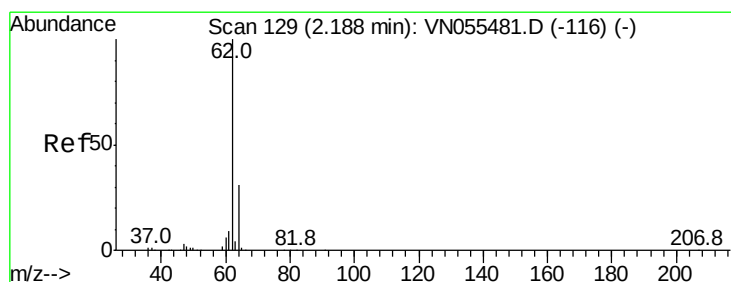
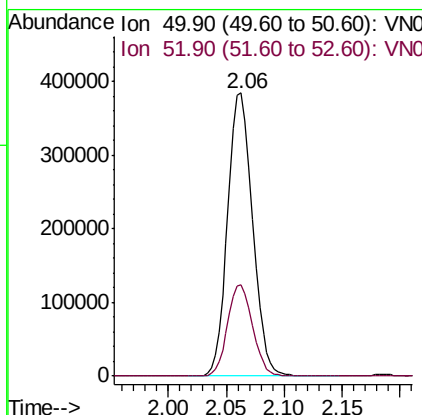
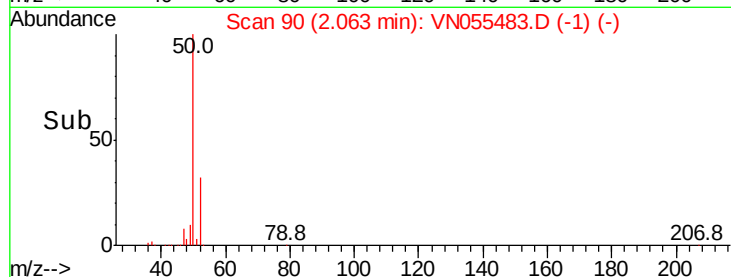
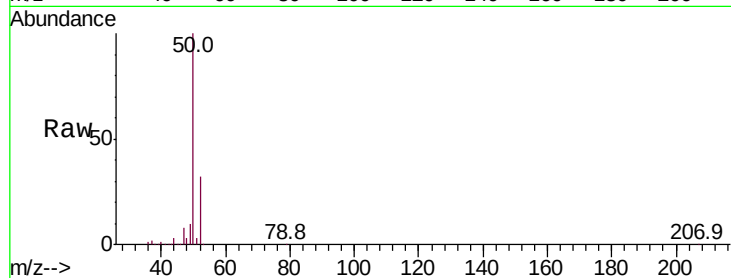
50 100

52 32.1 26.6 39.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.742 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055483.D

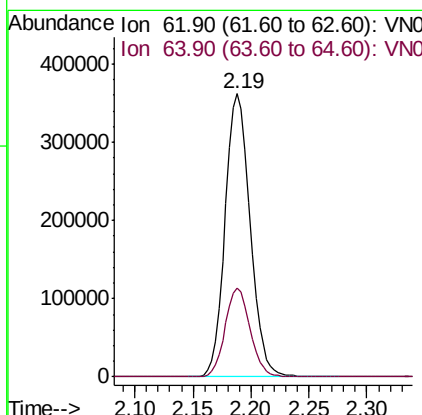
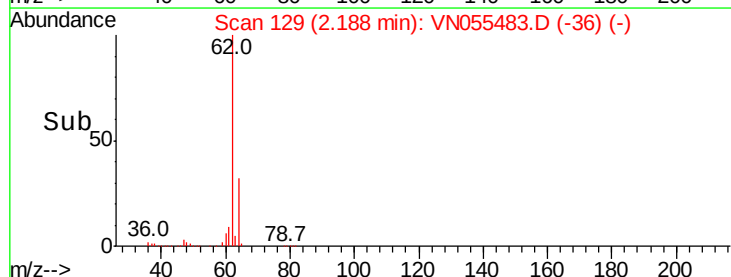
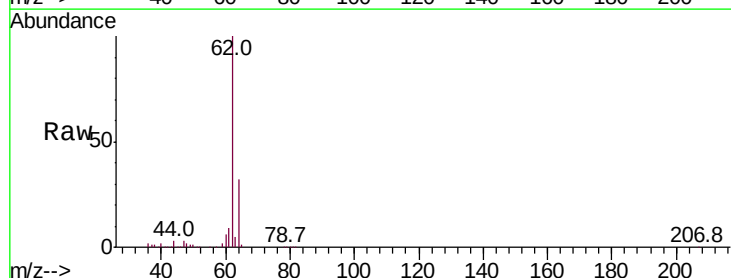
Acq: 8 May 2019 19:30

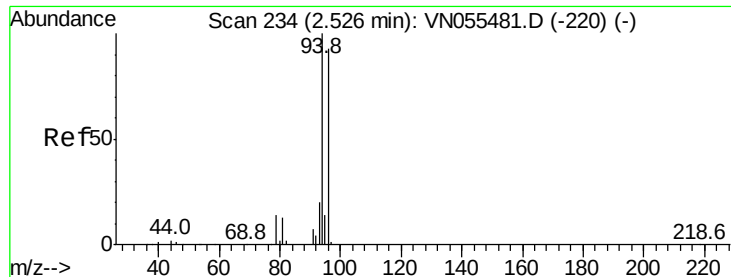
Tgt Ion: 62 Resp: 542739

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.6





#5

Bromomethane

Concen: 51.743 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

ICV050819

Tot Ion: 94 Resp: 315674

Ion Ratio Lower Upper

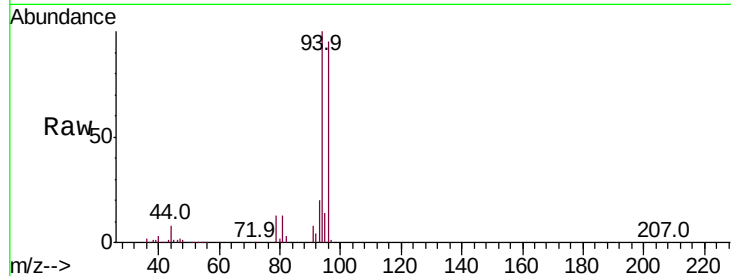
94 100

96 94.6 74.8 112.2

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VN055483.D (-220) (-)

Ion 95.90 (95.60 to 96.60): VN055483.D (-220) (-)

2.54

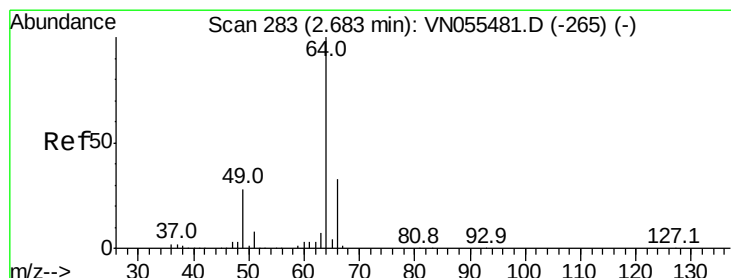
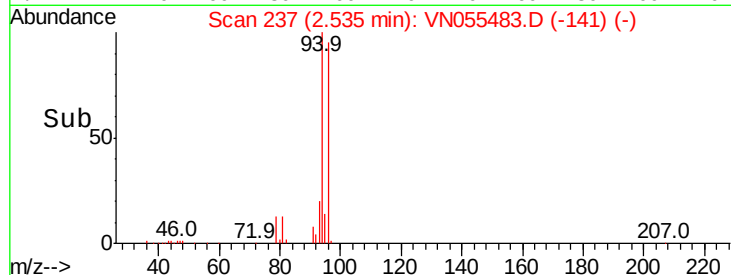
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 51.014 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055483.D

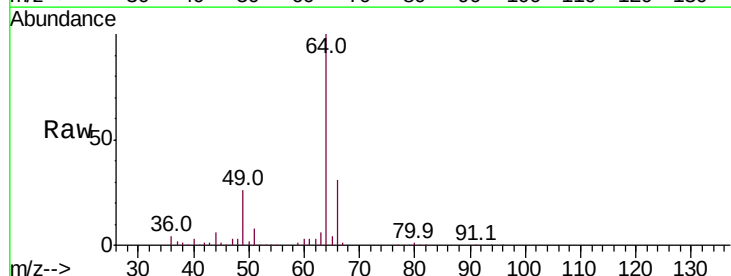
Acq: 8 May 2019 19:30

Tgt Ion: 64 Resp: 330870

Ion Ratio Lower Upper

64 100

66 30.9 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN055483.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN055483.D (-190) (-)

2.69

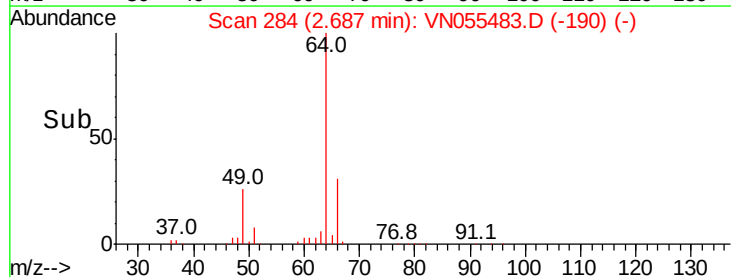
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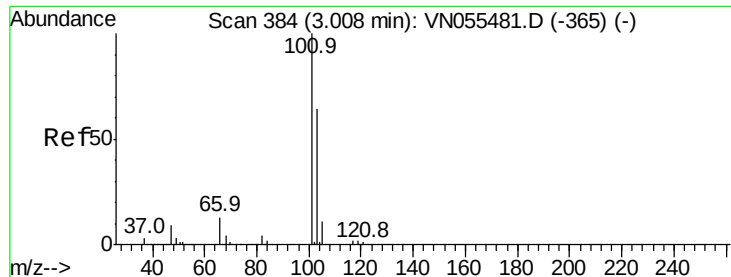
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50000

0

Time-->





#7

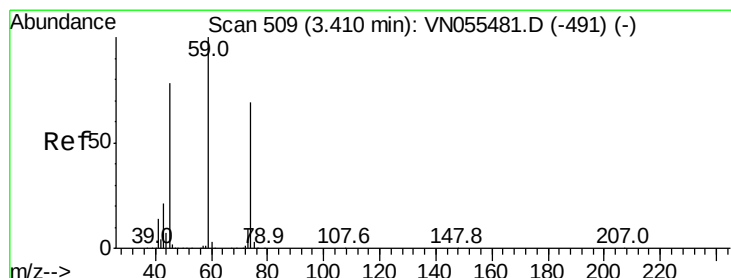
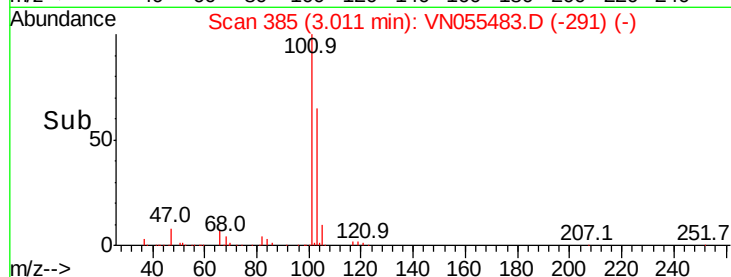
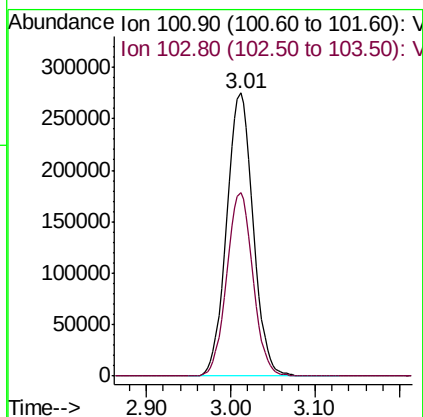
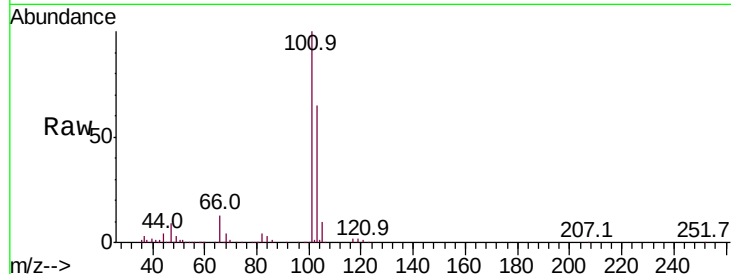
Trichlorofluoromethane
Concen: 49.173 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN055483.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.2	76.8

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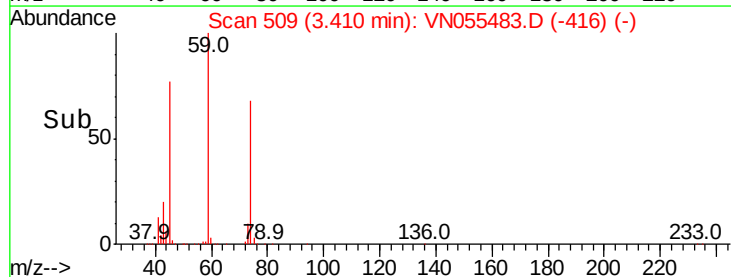
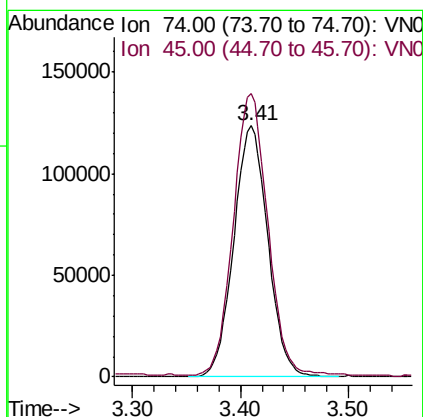
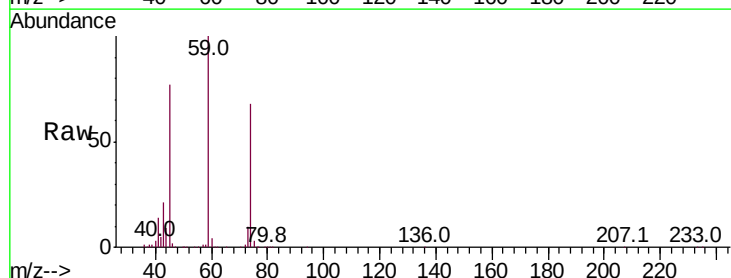
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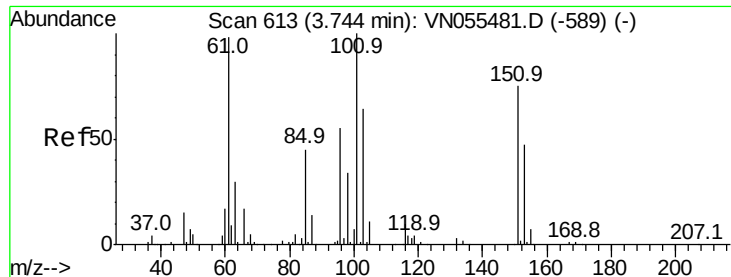


#8

Diethyl Ether
Concen: 49.699 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.6	58.1	174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.278 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

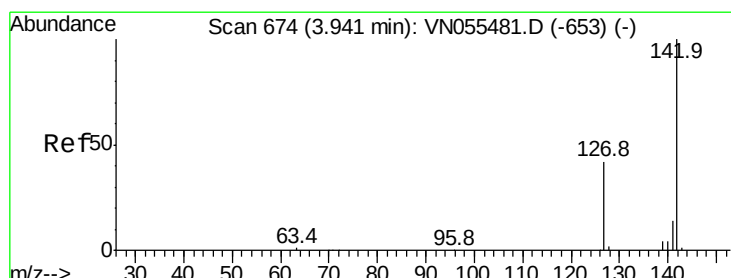
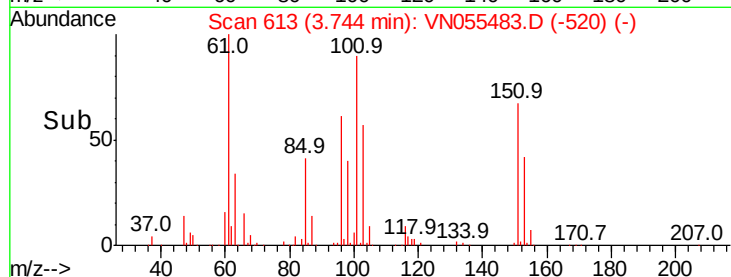
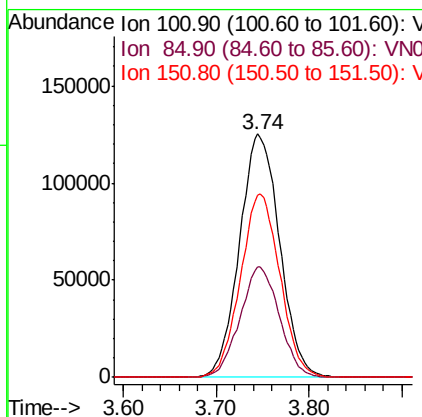
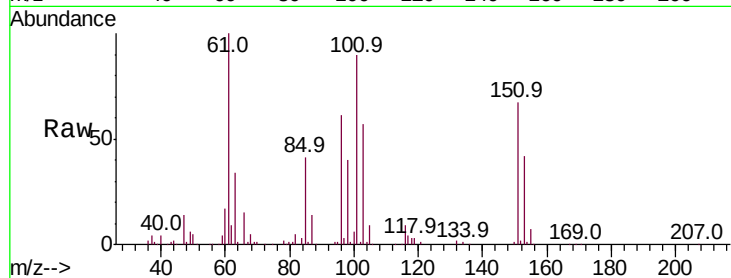
ClientSampleId :

ICVVN050819

Tot Ion:	101	Resp:	375211
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.5	53.3
151	74.3	59.2	88.8

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#10

Methyl Iodide

Concen: 52.379 ug/l

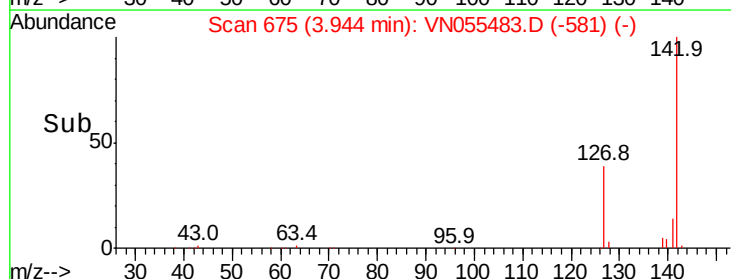
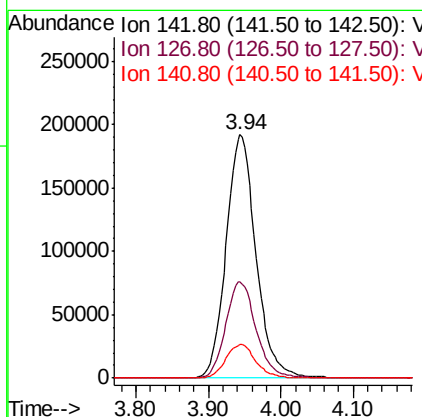
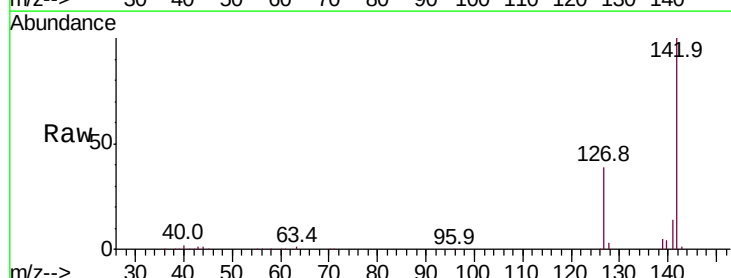
RT: 3.94 min Scan# 675

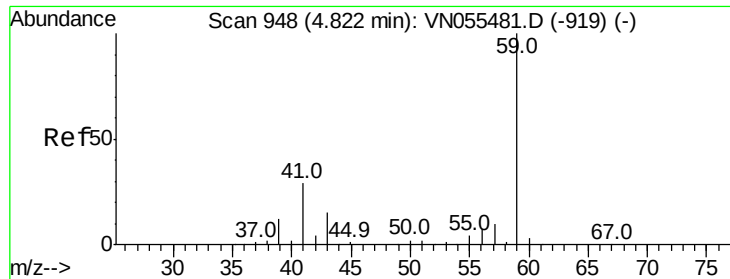
Delta R.T. 0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Tgt Ion:	142	Resp:	550200
Ion Ratio	Lower	Upper	
142	100		
127	40.3	33.0	49.4
141	14.0	11.4	17.0





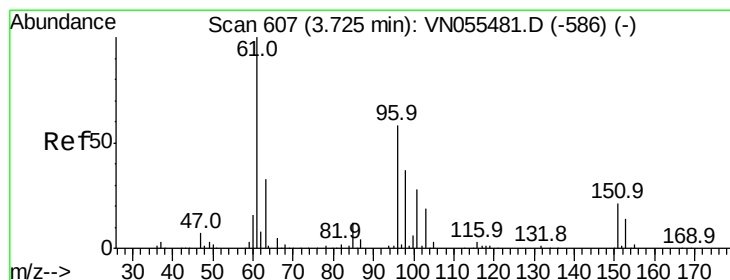
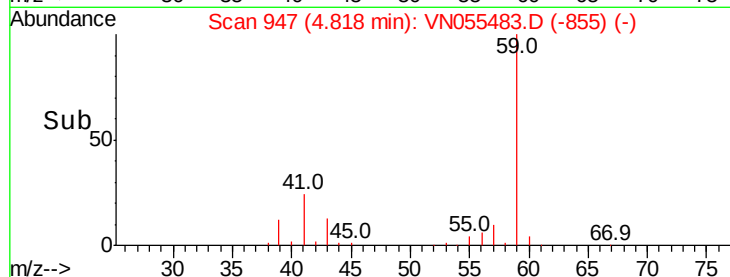
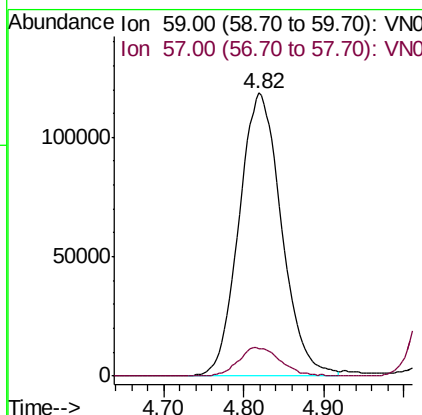
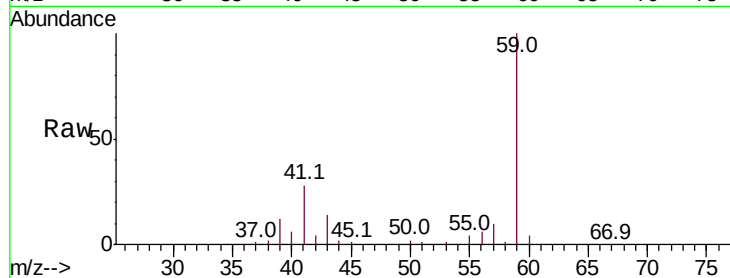
#11
Tert butyl alcohol
Concen: 270.517 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampled :
ICVVN050819

Tot Ion	Ratio	Resp	Lower	Upper
59	100	428888		
57	9.9		8.0	12.0

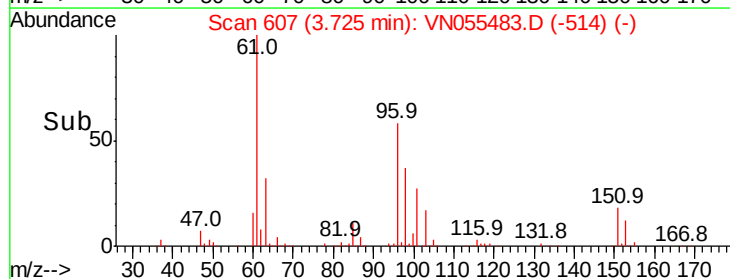
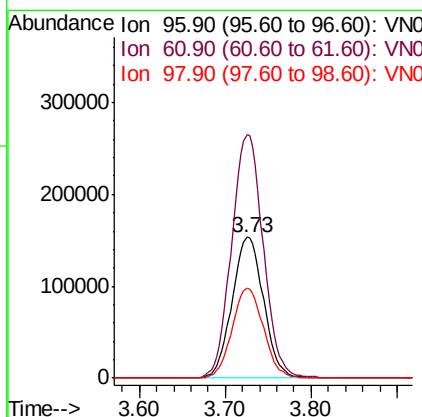
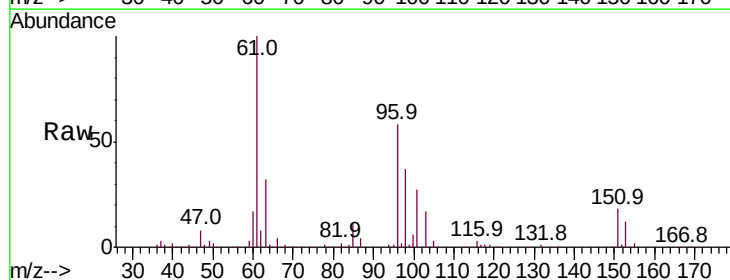
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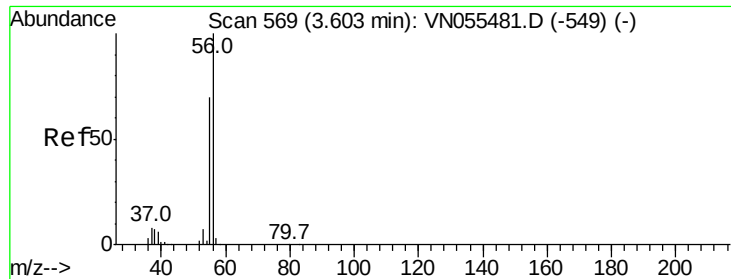
MMDadoda
5/9/2019 6:33:10 PM



#12
1,1-Dichloroethene
Concen: 50.055 ug/l
RT: 3.73 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	390149		
61	173.0		138.7	208.1
98	64.2		50.6	76.0





#13

Acrolein

Concen: 267.575 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN050819

Tot Ion: 56 Resp: 282729

Ion Ratio Lower Upper

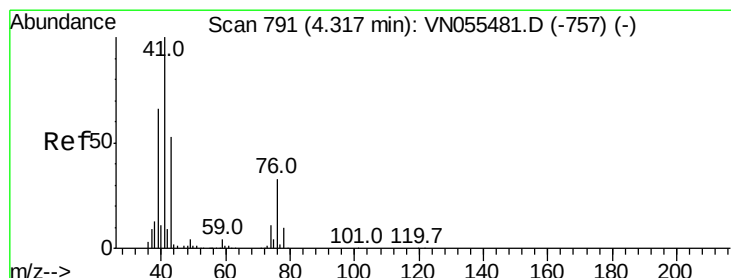
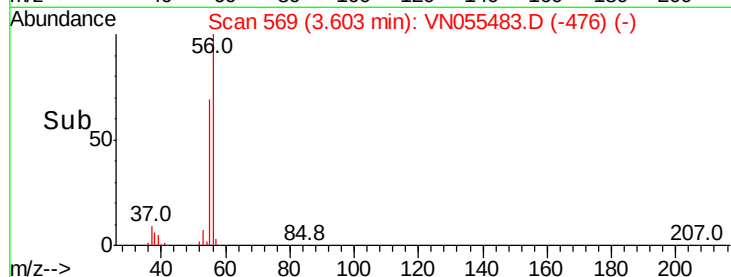
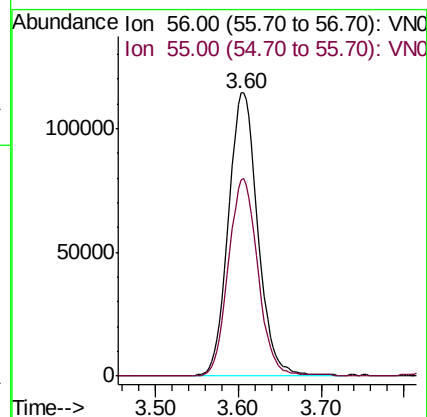
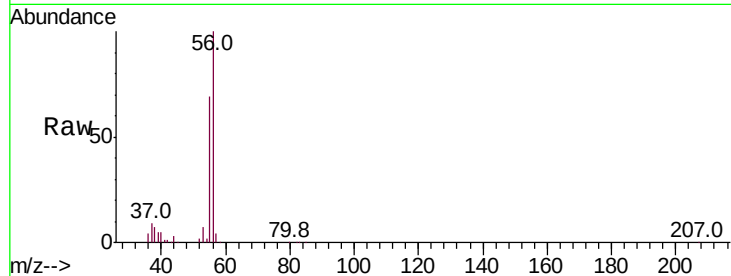
56 100

55 69.9 57.7 86.5

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#14

Allyl chloride

Concen: 50.879 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

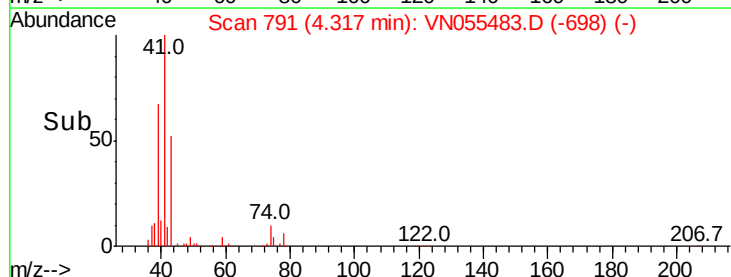
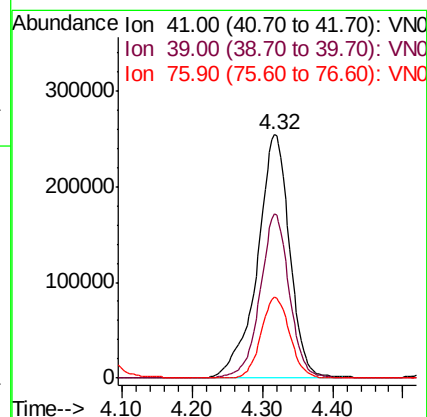
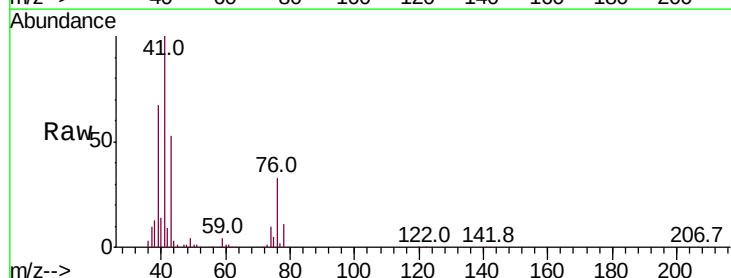
Tgt Ion: 41 Resp: 812347

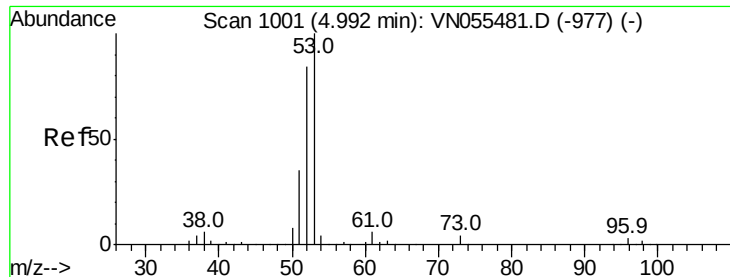
Ion Ratio Lower Upper

41 100

39 60.8 49.8 74.8

76 29.2 23.5 35.3





#15

Acrylonitrile

Concen: 261.804 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

ClientSampled :

ICVVN050819

Tot Ion: 53 Resp: 1285265

Ion Ratio Lower Upper

53 100

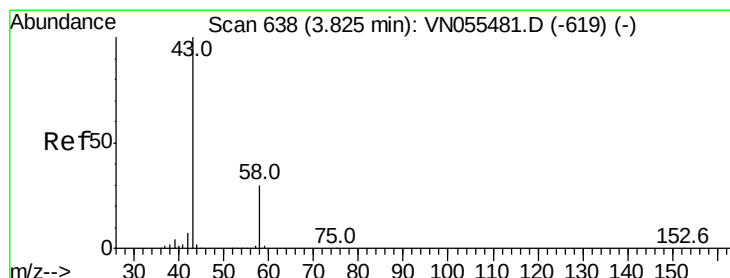
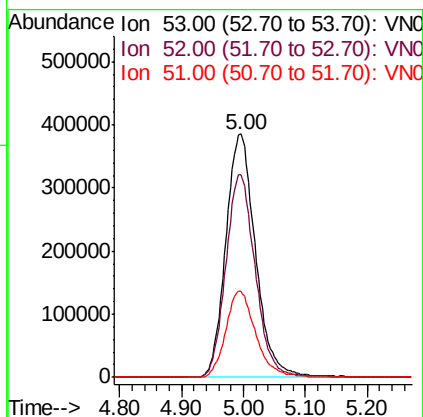
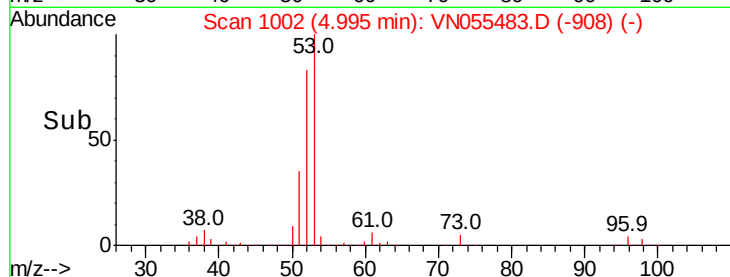
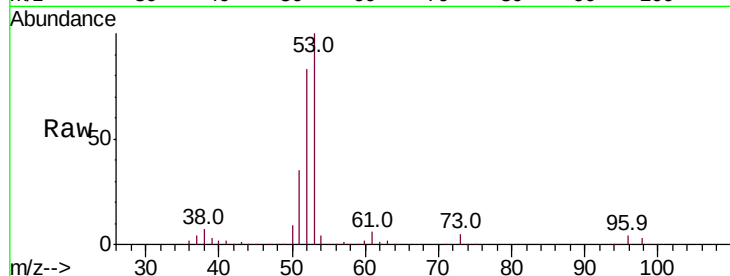
52 82.8 66.1 99.1

51 35.9 28.3 42.5

Manual Integrations
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#16

Acetone

Concen: 222.052 ug/l

RT: 3.82 min Scan# 638

Delta R.T. -0.00 min

Lab File: VN055483.D

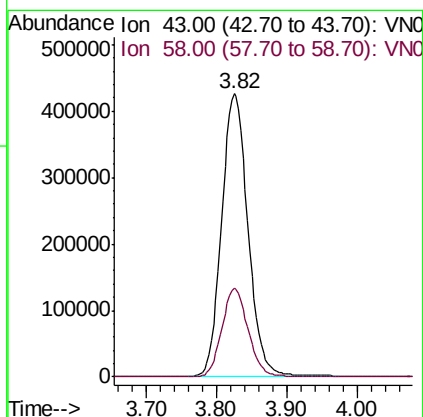
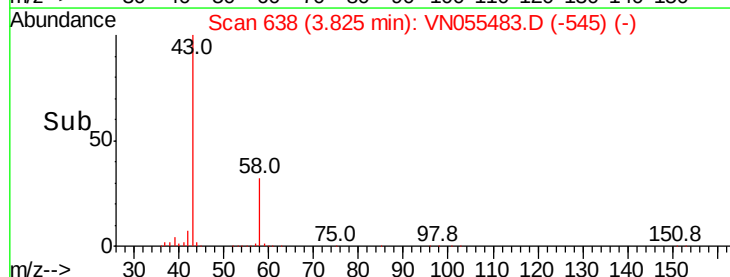
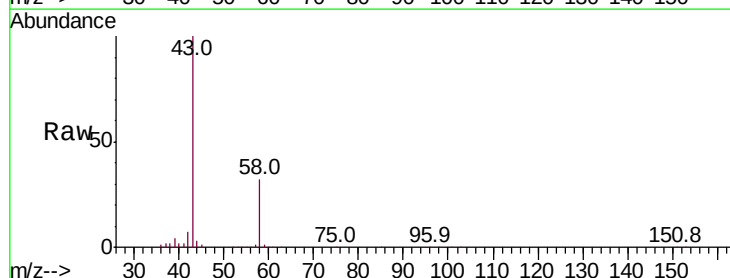
Acq: 8 May 2019 19:30

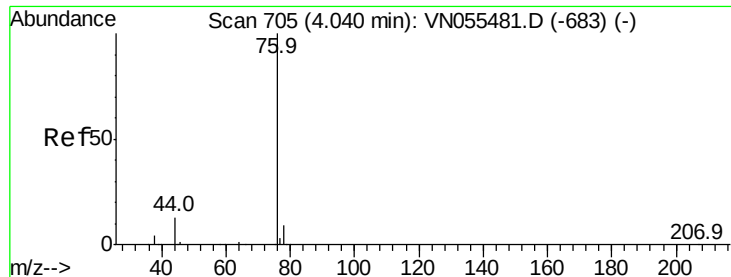
Tgt Ion: 43 Resp: 1104020

Ion Ratio Lower Upper

43 100

58 31.5 24.2 36.2





#17

Carbon Disulfide

Concen: 51.536 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN050819

Tot Ion: 76 Resp: 1096327

Ion Ratio Lower Upper

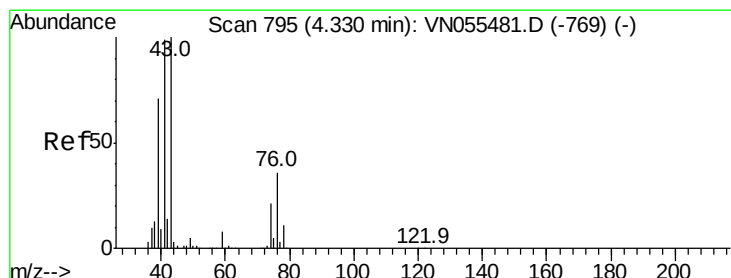
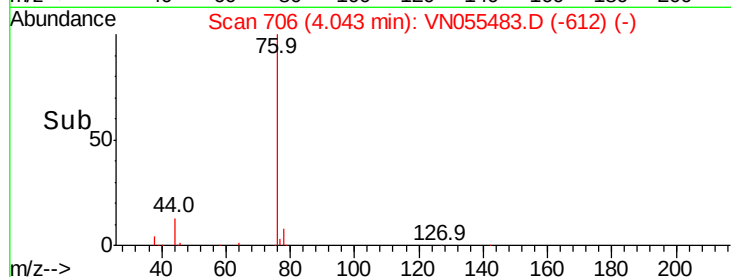
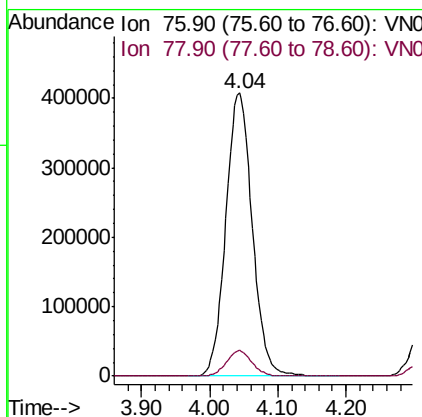
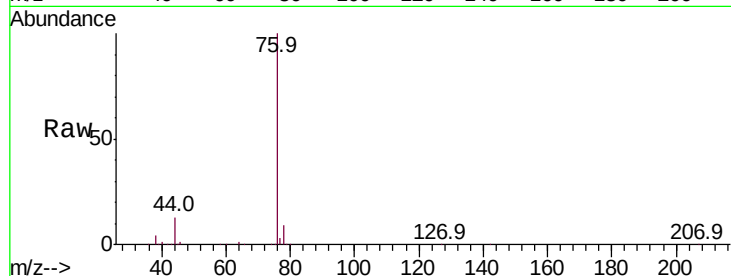
76 100

78 9.1 7.4 11.0

Manual Integrations
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#18

Methyl Acetate

Concen: 51.603 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055483.D

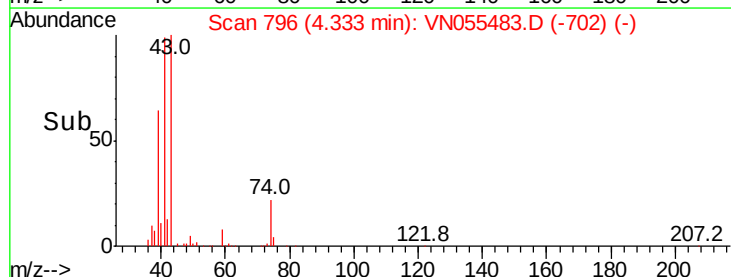
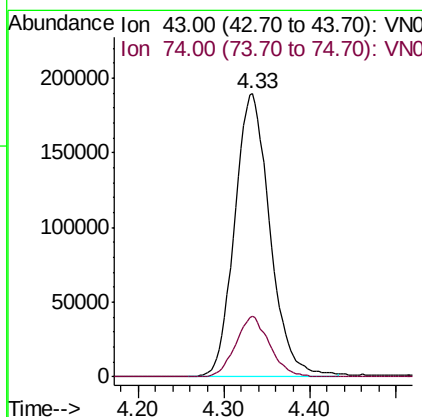
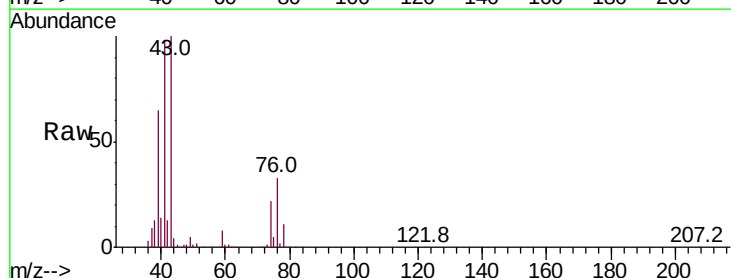
Acq: 8 May 2019 19:30

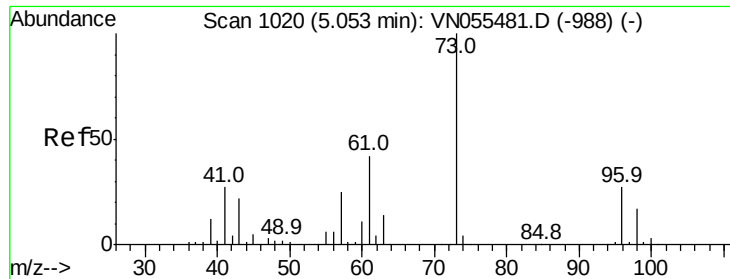
Tgt Ion: 43 Resp: 538031

Ion Ratio Lower Upper

43 100

74 20.7 16.3 24.5





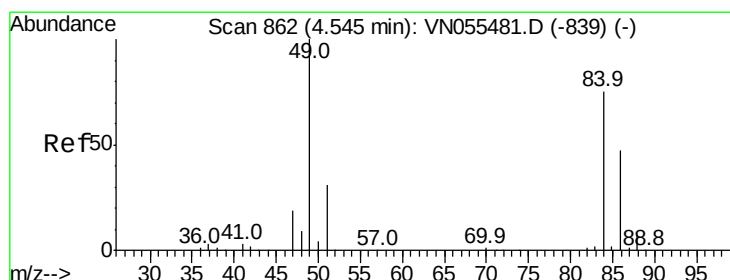
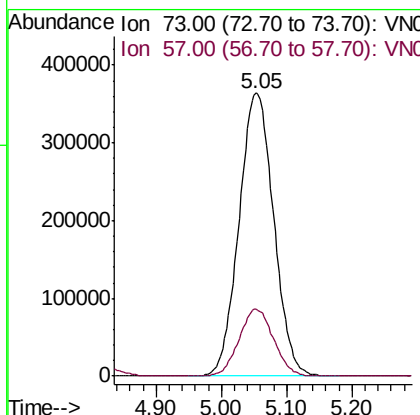
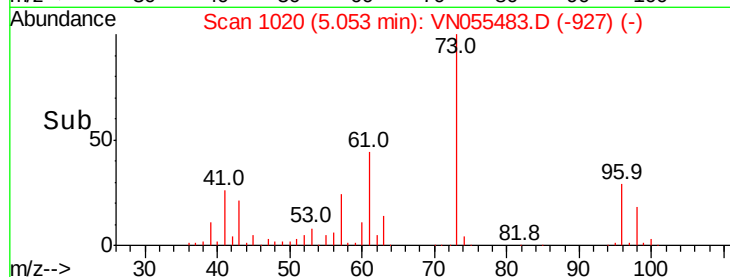
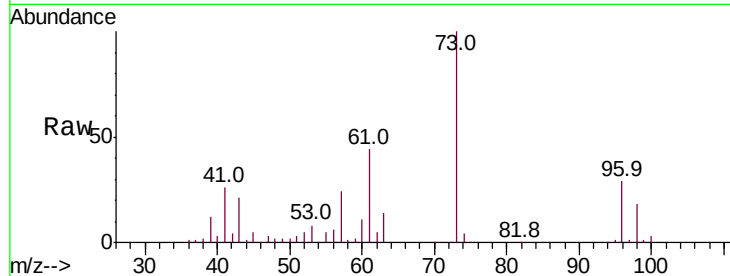
#19
Methyl tert-butyl Ether
Concen: 51.943 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampled :
ICVVN050819

Tot Ion: 73 Resp: 1345292
Ion Ratio Lower Upper
73 100
57 23.6 20.0 30.0

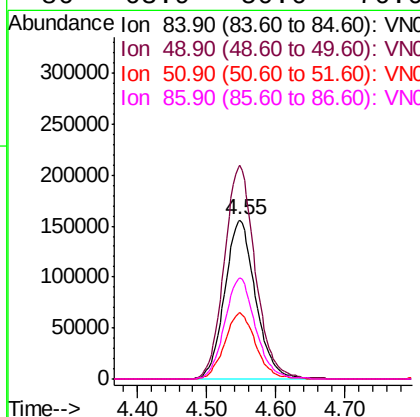
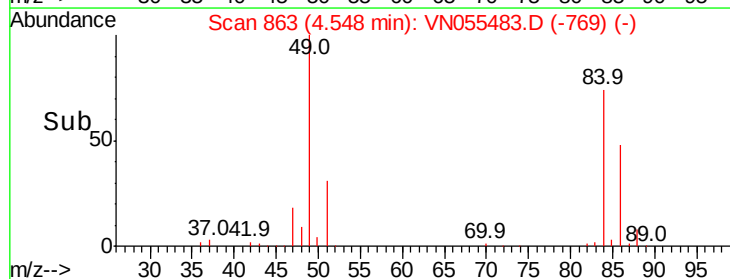
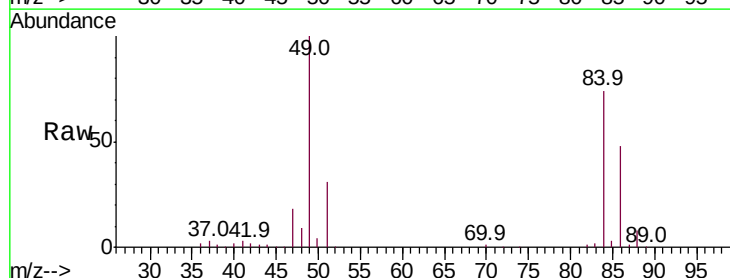
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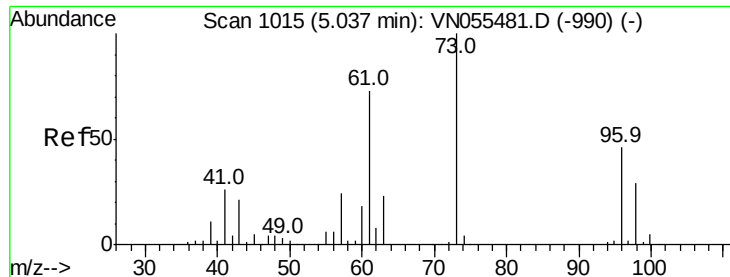
MMDadoda
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#20
Methylene Chloride
Concen: 47.589 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion: 84 Resp: 483823
Ion Ratio Lower Upper
84 100
49 134.3 107.0 160.6
51 41.5 33.0 49.4
86 63.9 50.6 76.0





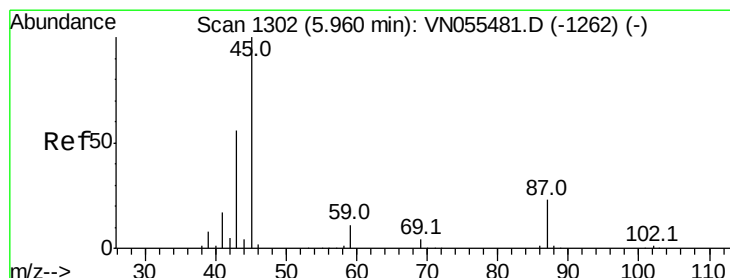
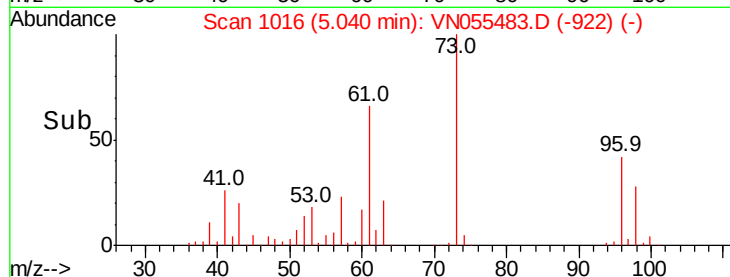
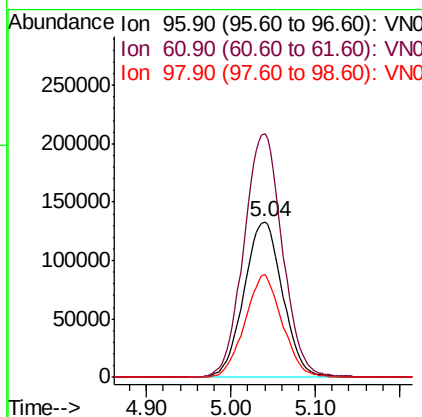
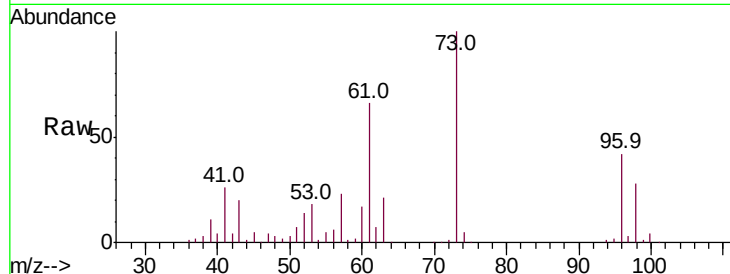
#21
trans-1,2-Dichloroethene
Concen: 50.188 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampled :
ICVFN050819

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.7	127.4	191.0
98	65.9	51.6	77.4

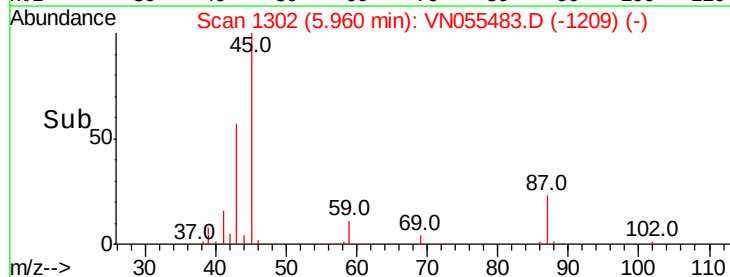
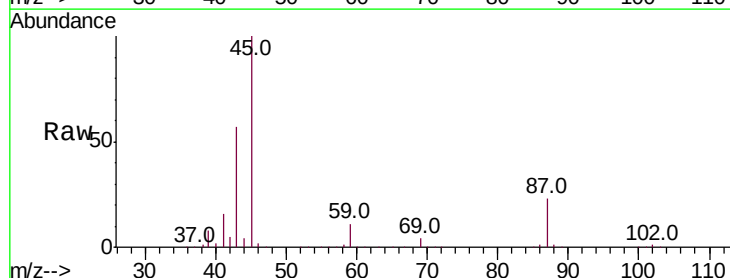
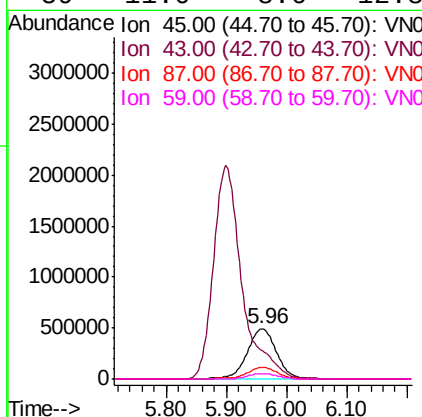
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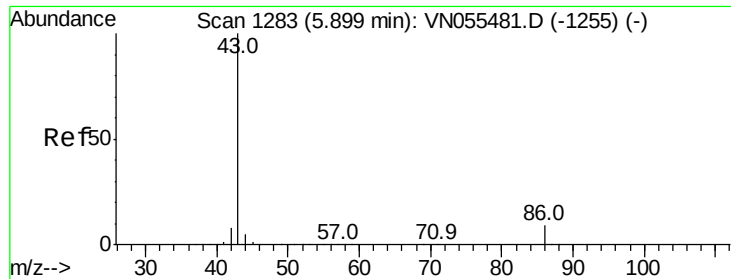
MMDadoda
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#22
Diisopropyl ether
Concen: 51.777 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.7	44.6	66.8
87	23.2	18.6	28.0
59	11.0	8.6	12.8





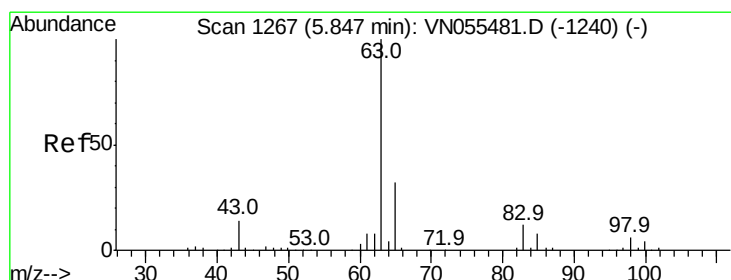
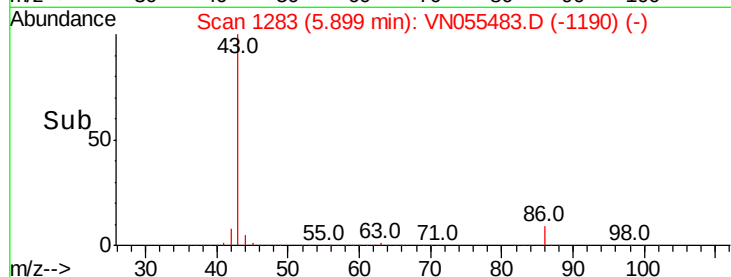
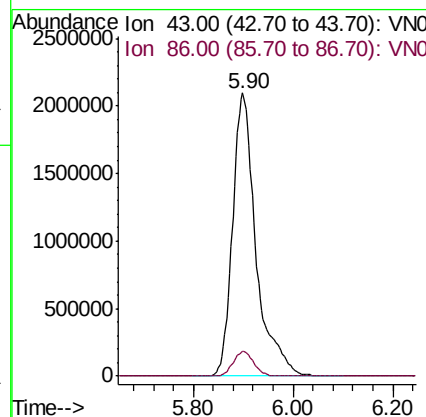
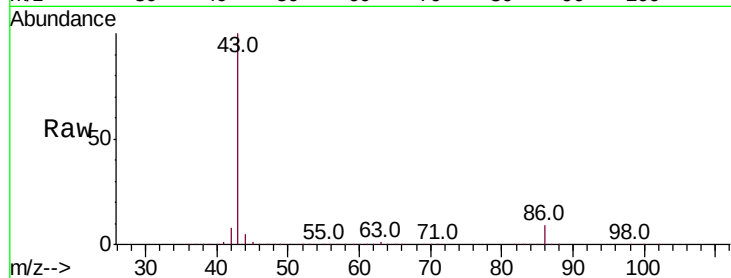
#23
 Vinyl Acetate
 Concen: 273.052 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN055483.D
 Acq: 8 May 2019 19:30

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN050819

Tot Ion: 43 Resp: 6851439
 Ion Ratio Lower Upper
 43 100
 86 8.7 7.1 10.7

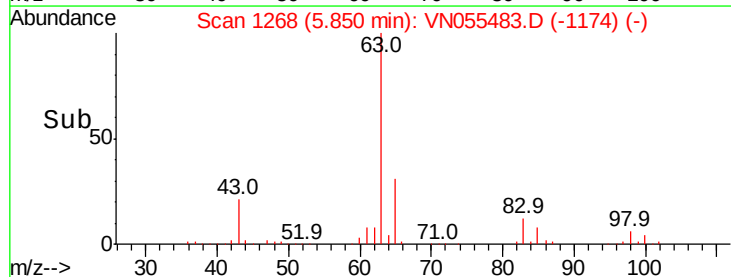
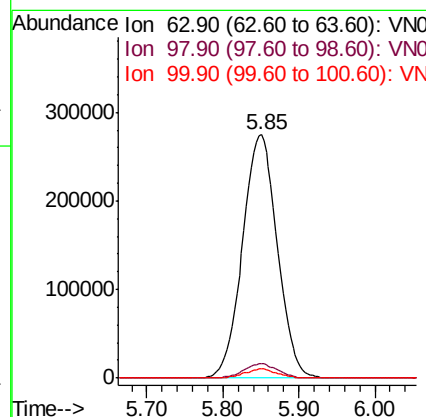
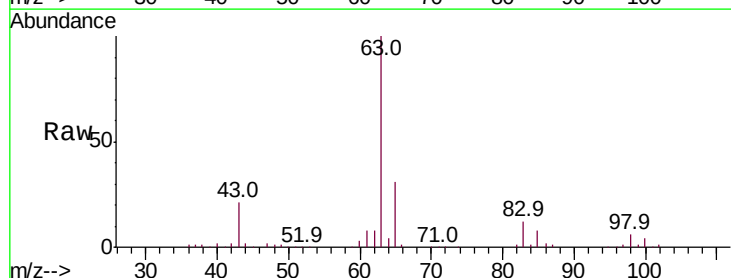
Manual Integrations
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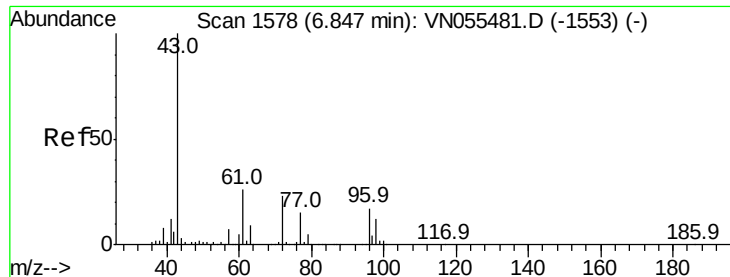
MMDadoda
 5/9/2019 6:33:10 PM



#24
 1,1-Dichloroethane
 Concen: 49.812 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN055483.D
 Acq: 8 May 2019 19:30

Tgt Ion: 63 Resp: 872438
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.0 9.0
 100 3.7 1.9 5.7





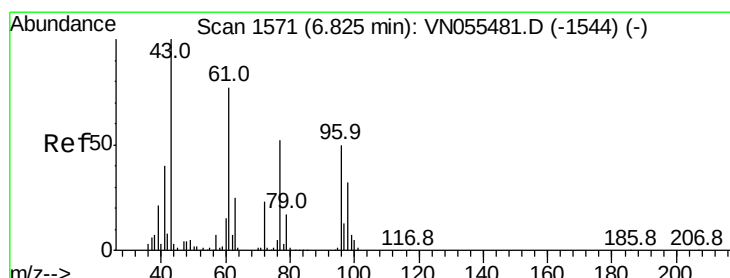
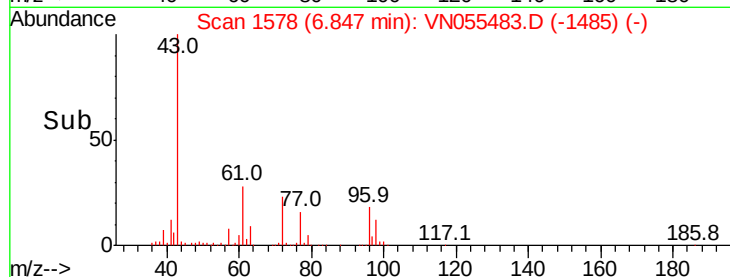
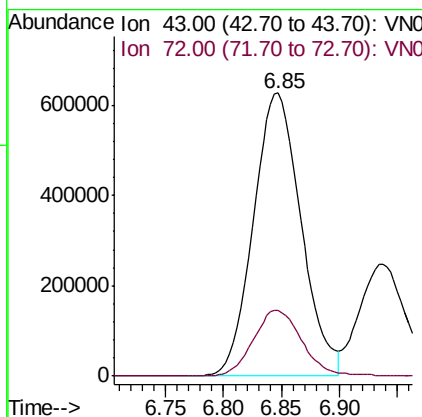
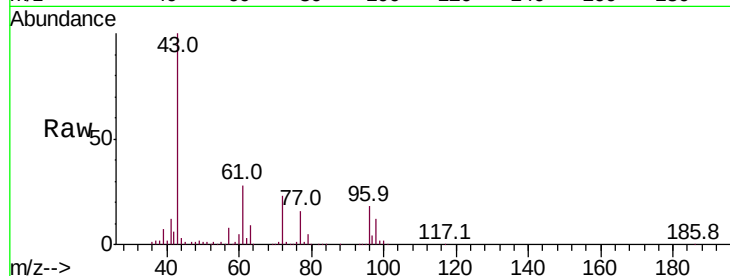
#25
2-Butanone
Concen: 260.100 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN050819

Tot Ion: 43 Resp: 1786381
Ion Ratio Lower Upper
43 100
72 23.3 18.6 27.8

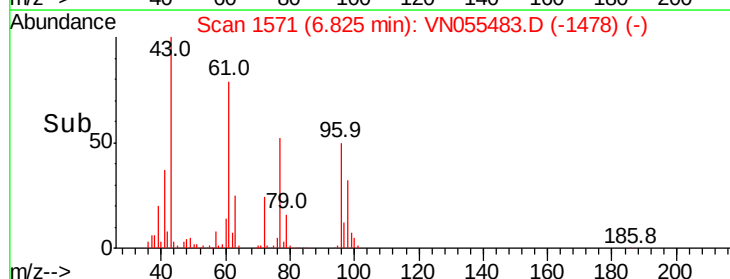
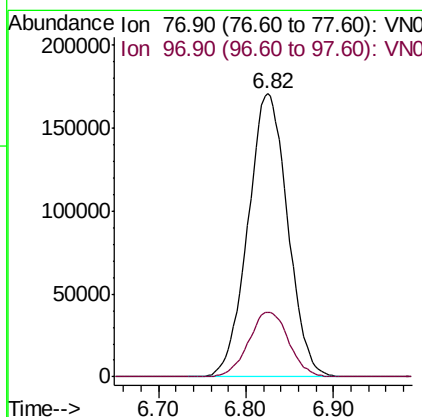
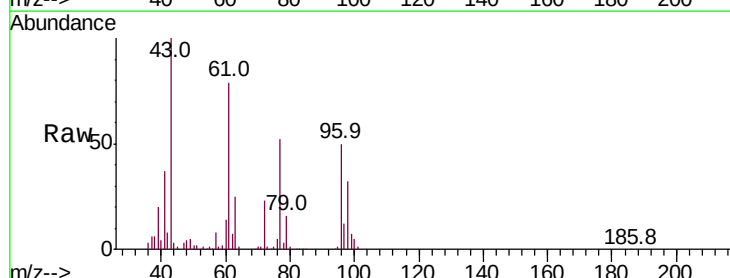
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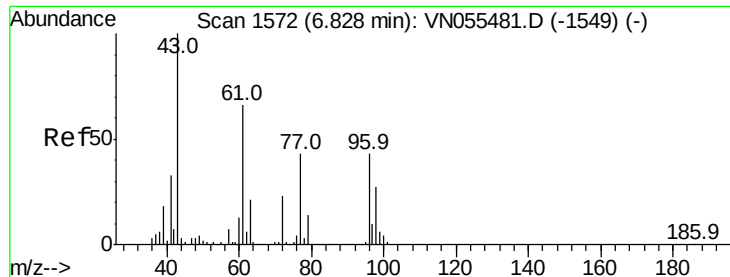
MMDadoda
5/9/2019 6:33:10 PM



#26
2,2-Dichloropropane
Concen: 49.205 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion: 77 Resp: 537240
Ion Ratio Lower Upper
77 100
97 23.2 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 50.236 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

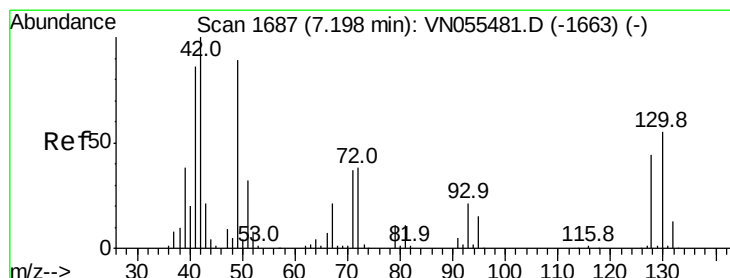
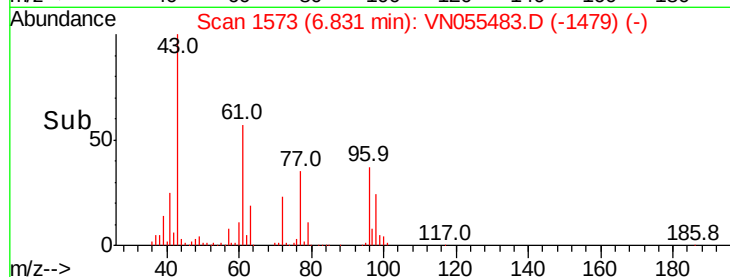
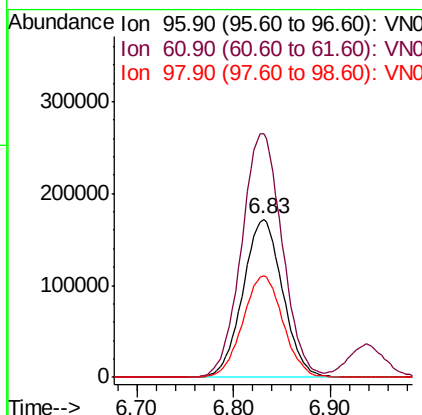
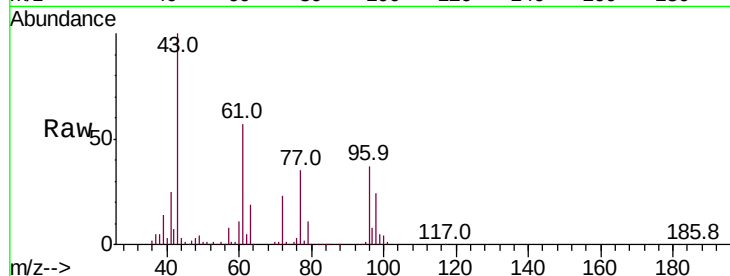
ClientSampled :

ICVVN050819

Tot Ion:	96	Resp:	490634
Ion	Ratio	Lower	Upper
96	100		
61	157.9	0.0	310.8
98	65.2	0.0	129.4

Manual Integrations
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5/9/2019 6:33:10 PM



#28

Bromochloromethane

Concen: 50.758 ug/l

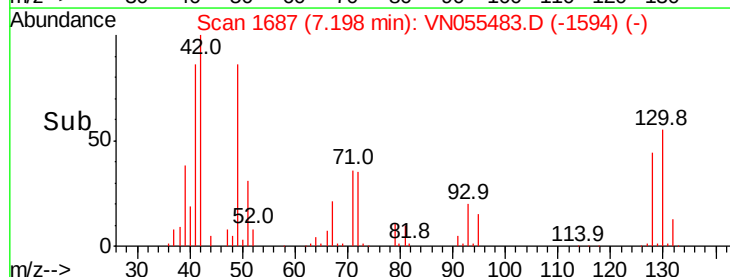
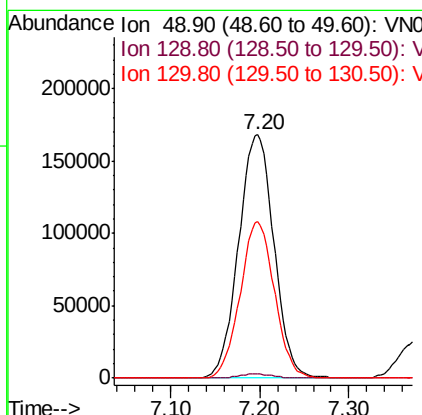
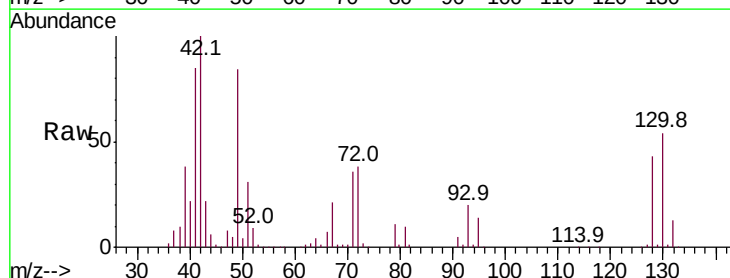
RT: 7.20 min Scan# 1687

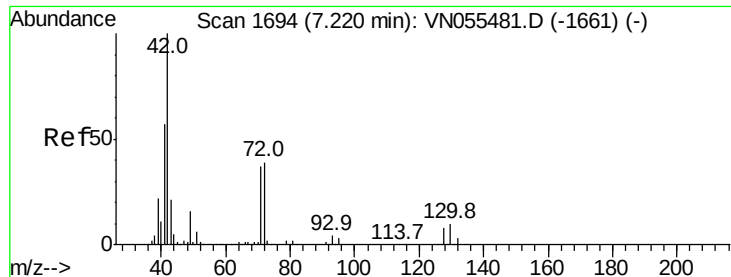
Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Tgt Ion:	49	Resp:	461679
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	62.5	49.5	74.3





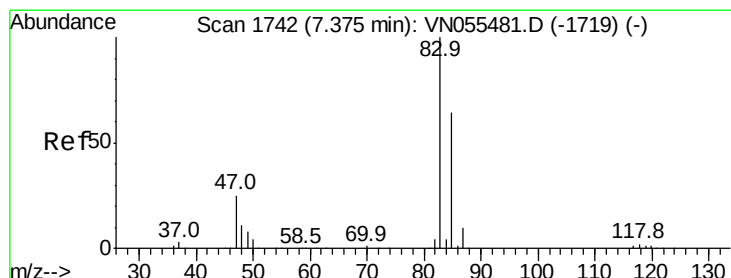
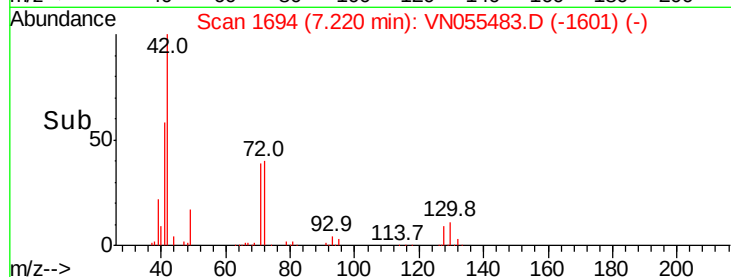
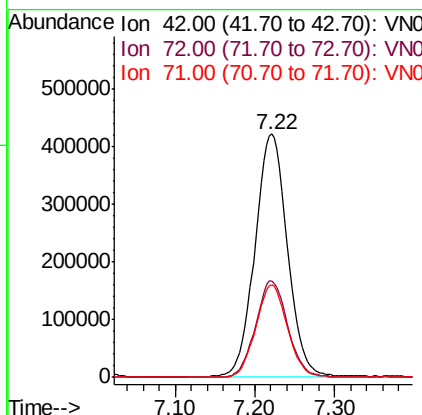
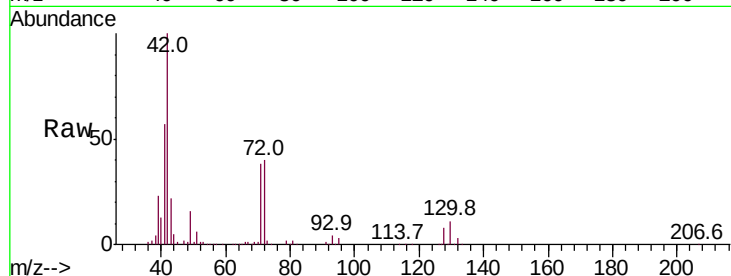
#29
Tetrahydrofuran
Concen: 259.616 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN050819

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	31.0	46.6
71	37.1	29.4	44.2

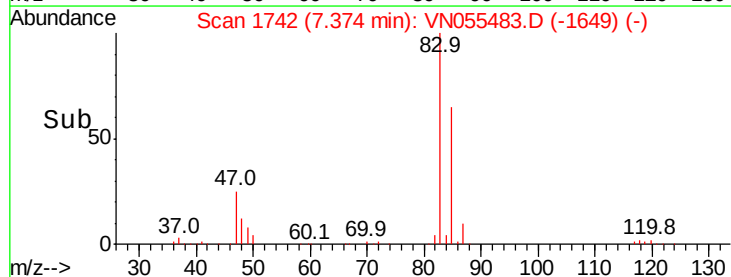
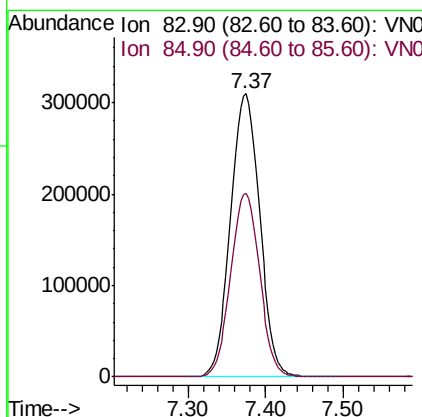
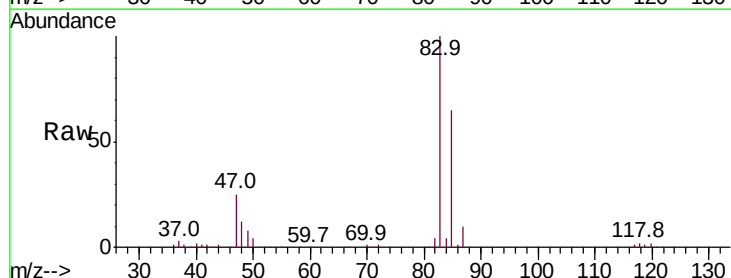
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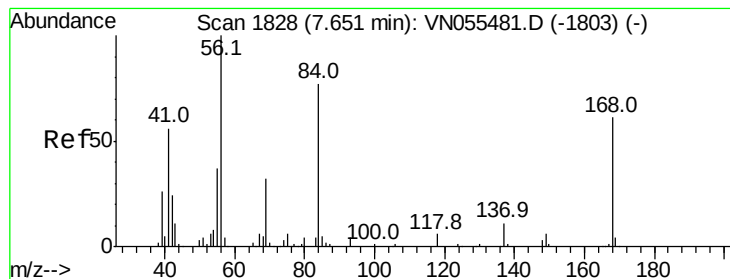
MMDadoda
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#30
Chloroform
Concen: 50.114 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.3	76.9





#31

Cyclohexane

Concen: 47.867 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

ClientSampled :

ICVVN050819

Tot Ion: 56 Resp: 829511

Ion Ratio Lower Upper

56 100

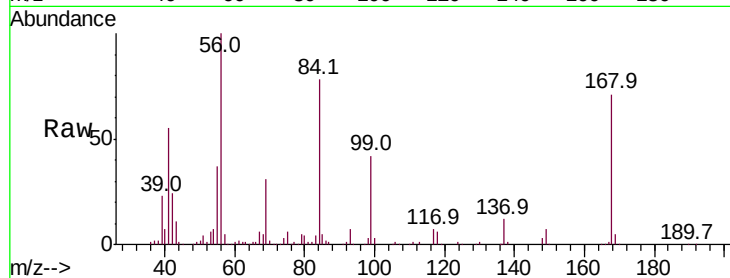
69 30.7 26.0 39.0

84 77.2 61.9 92.9

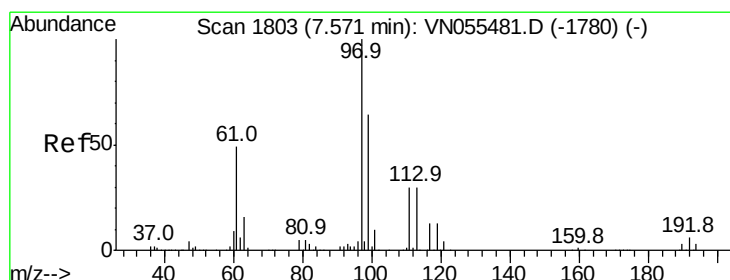
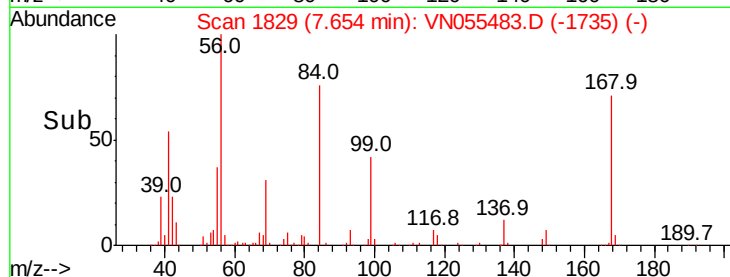
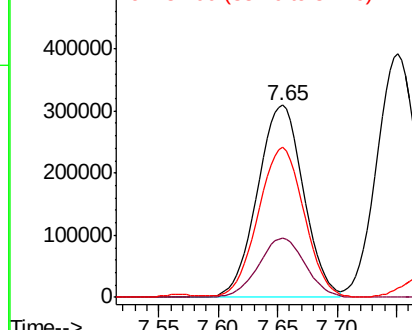
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 51.046 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

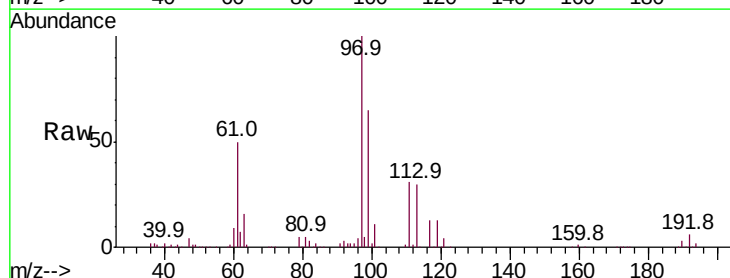
Tgt Ion: 97 Resp: 629398

Ion Ratio Lower Upper

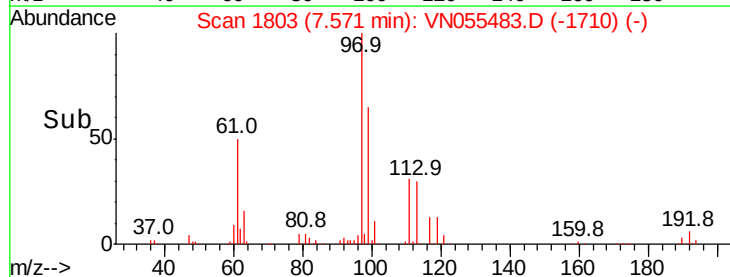
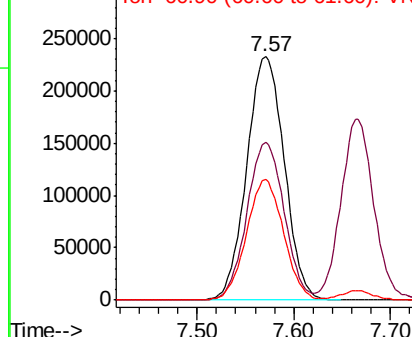
97 100

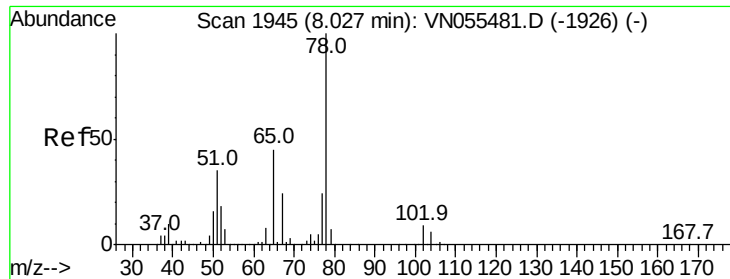
99 64.4 51.2 76.8

61 48.8 39.2 58.8



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





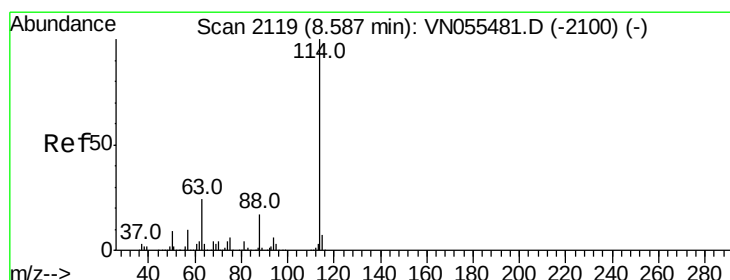
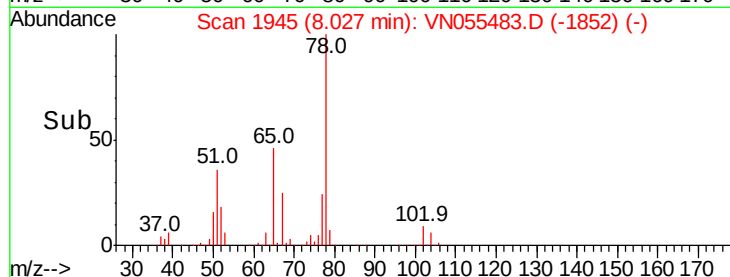
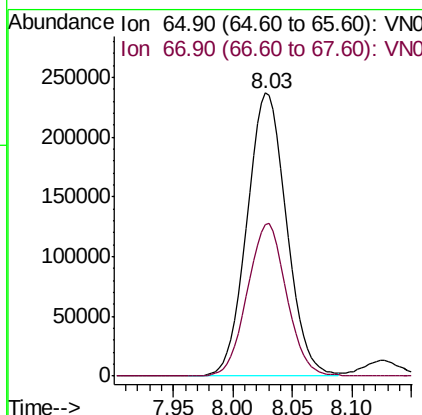
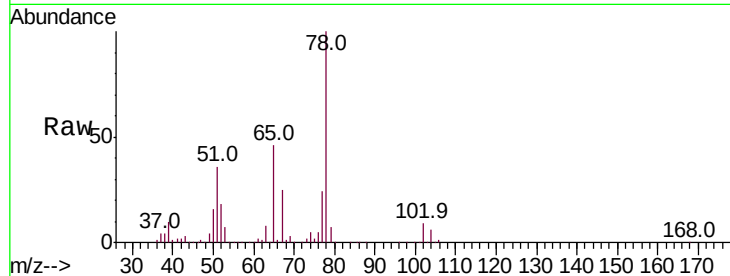
#33
 1,2-Dichloroethane-d4
 Concen: 50.802 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055483.D
 Acq: 8 May 2019 19:30

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN050819

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	109.6	

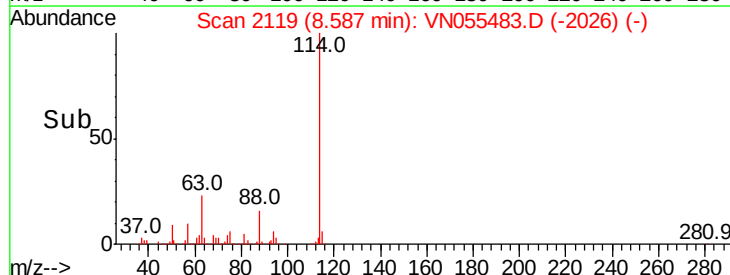
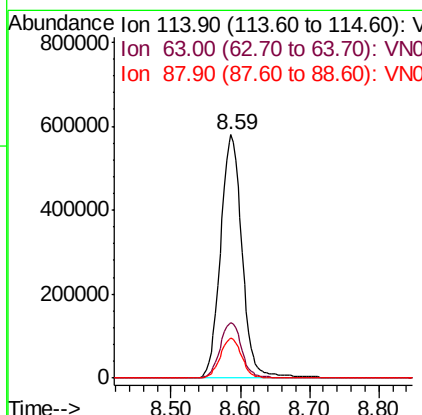
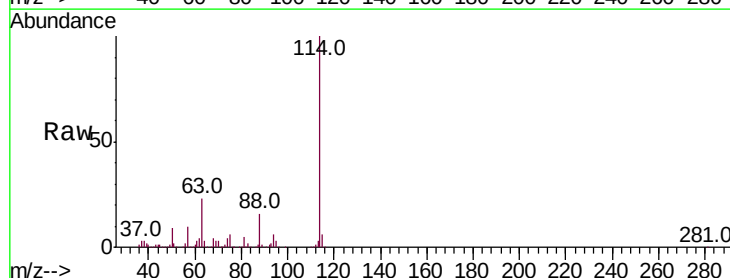
Manual Integrations
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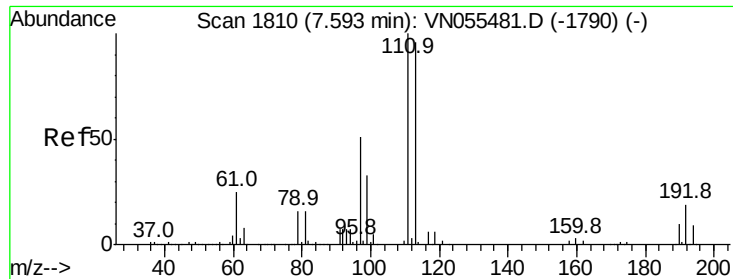
MMDadoda
 5/9/2019 6:33:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055483.D
 Acq: 8 May 2019 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.7	0.0	47.4	
88	16.3	0.0	34.0	





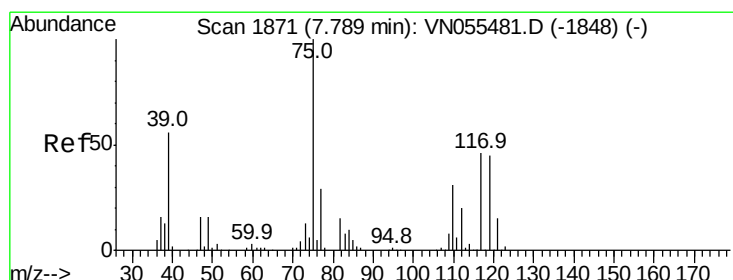
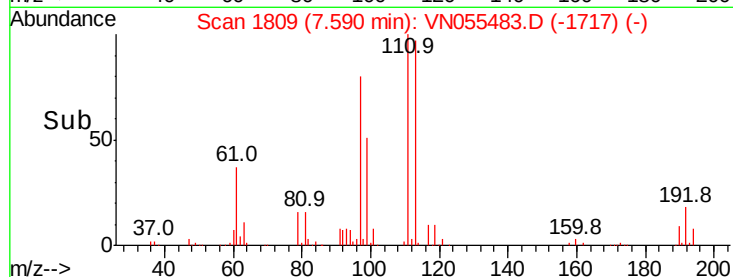
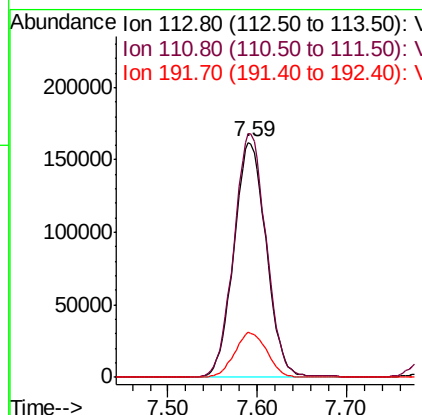
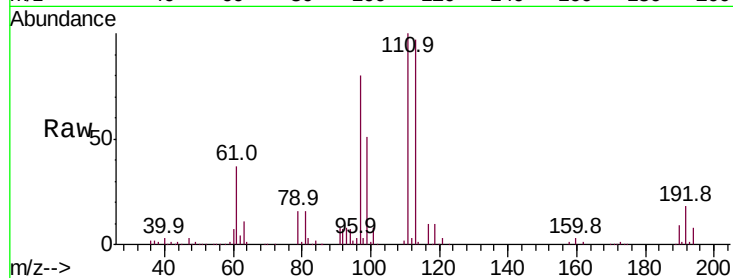
#35
 Dibromofluoromethane
 Concen: 50.407 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055483.D
 Acq: 8 May 2019 19:30

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN050819

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.6	82.9	124.3	
192	19.1	15.6	23.4	

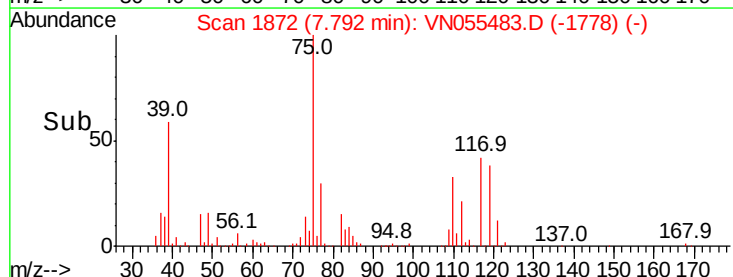
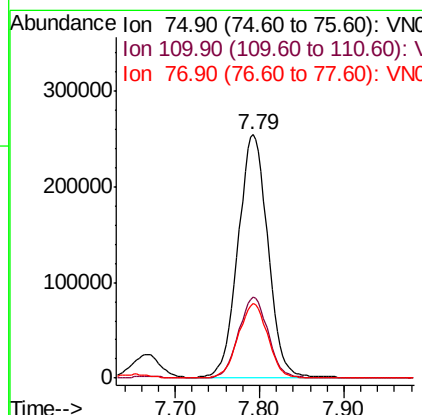
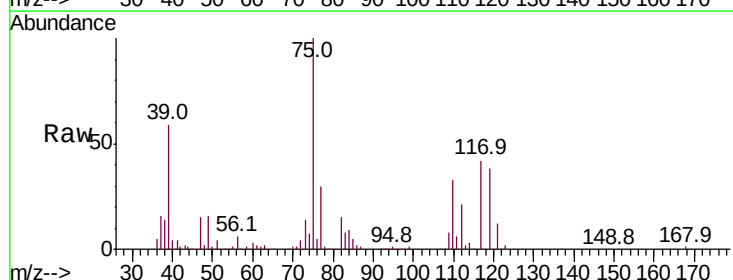
Manual Integrations
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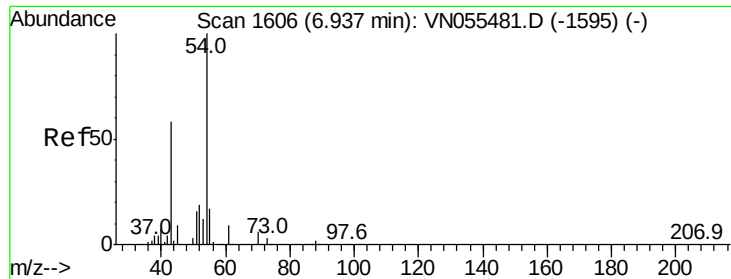
MMDadoda
 5/9/2019 6:33:10 PM



#36
 1,1-Dichloropropene
 Concen: 50.395 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055483.D
 Acq: 8 May 2019 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.2	16.1	48.3	
77	30.6	24.6	37.0	





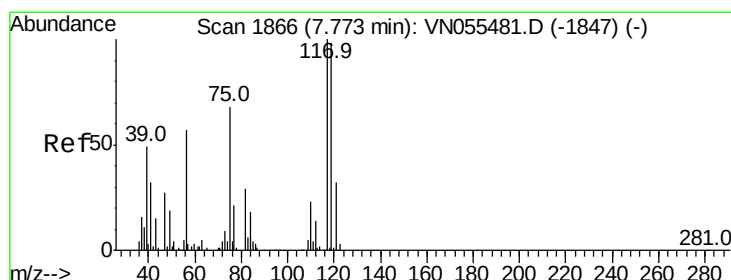
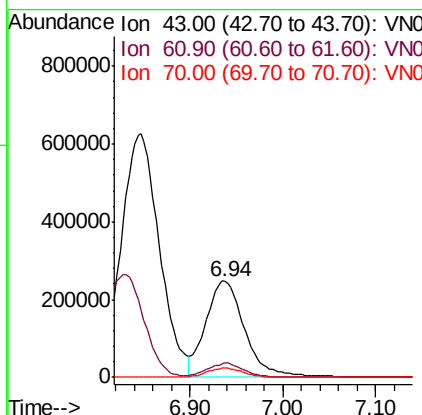
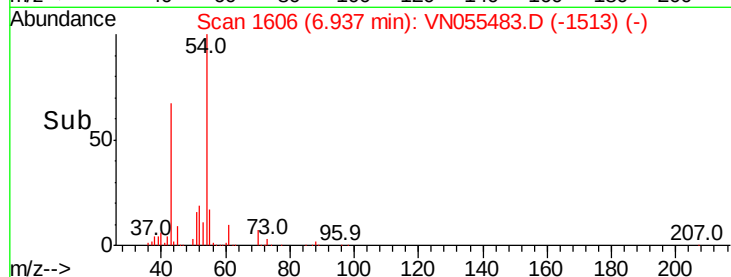
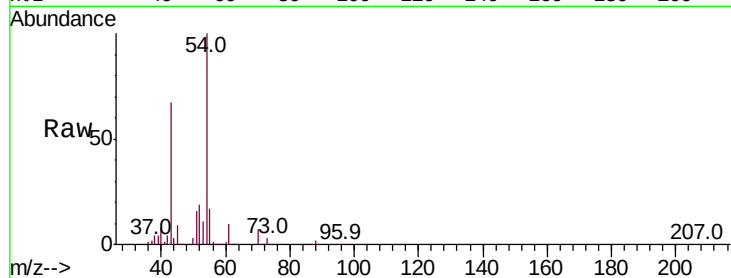
#37
Ethyl Acetate
Concen: 52.404 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN050819

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.9	16.3
70	9.3	7.0	10.6

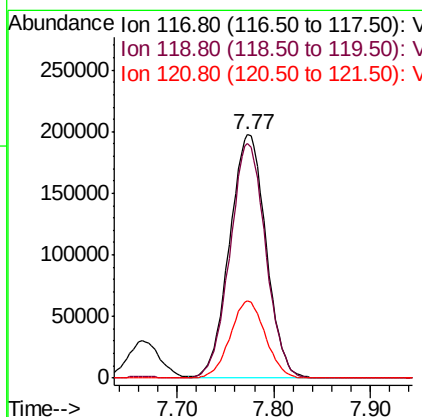
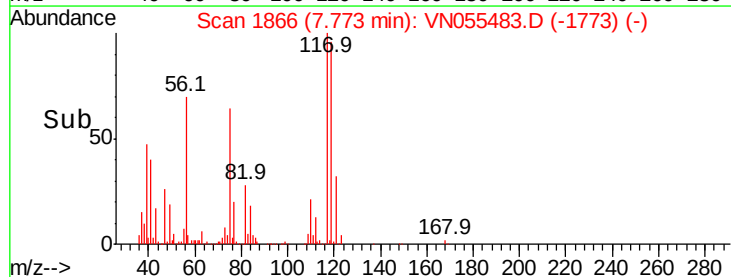
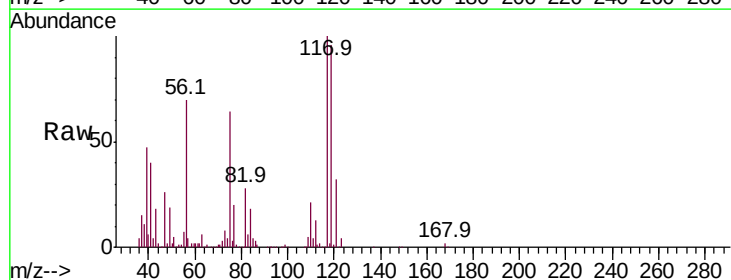
Manual Integrations
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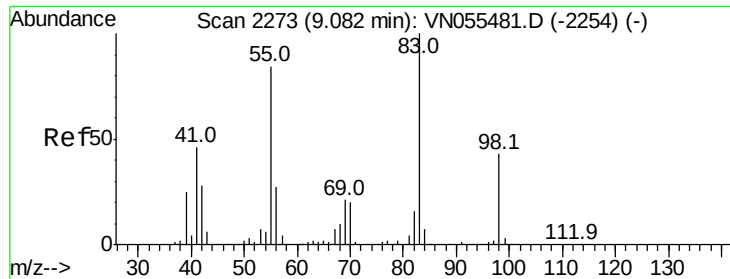
MMDadoda
5/9/2019 6:33:10 PM



#38
Carbon Tetrachloride
Concen: 49.523 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.8	116.6
121	31.7	25.2	37.8





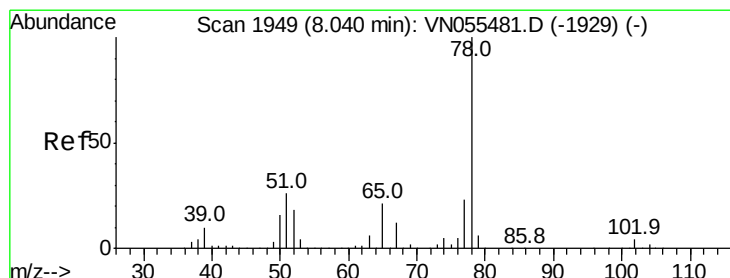
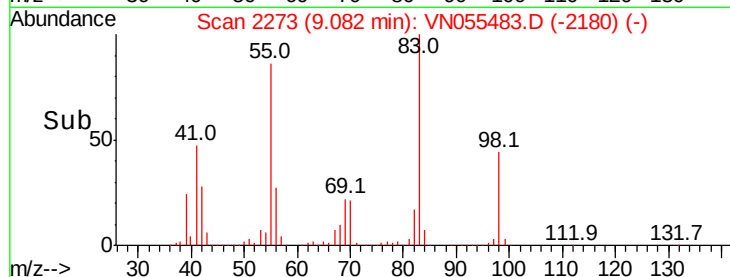
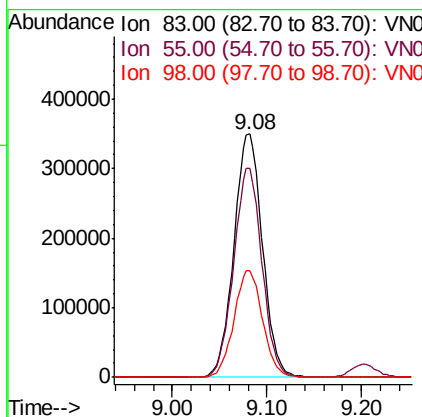
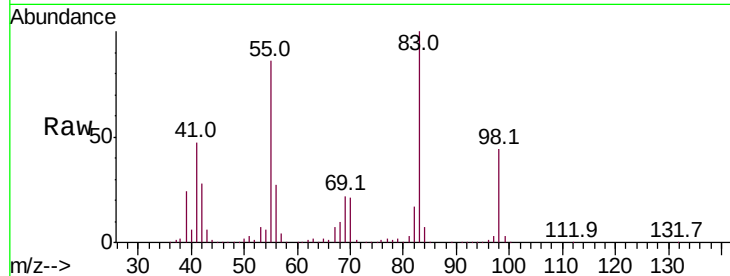
#39
Methylvlcyclohexane
Concen: 48.567 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN050819

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.7	67.0	100.4
98	43.7	34.2	51.4

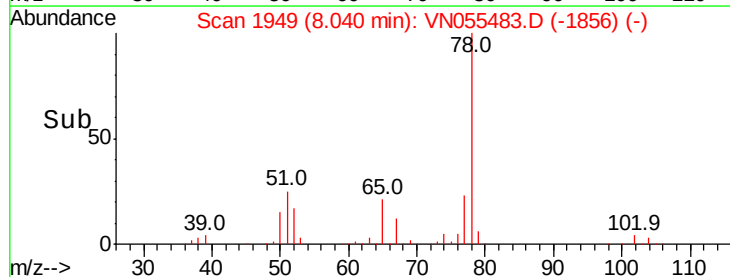
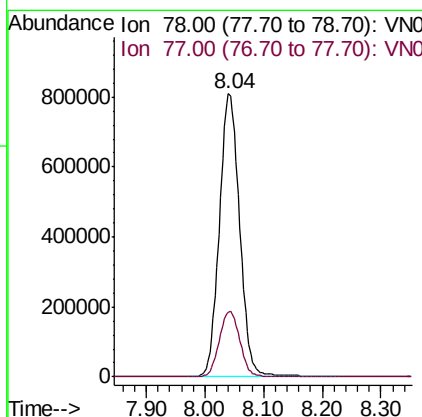
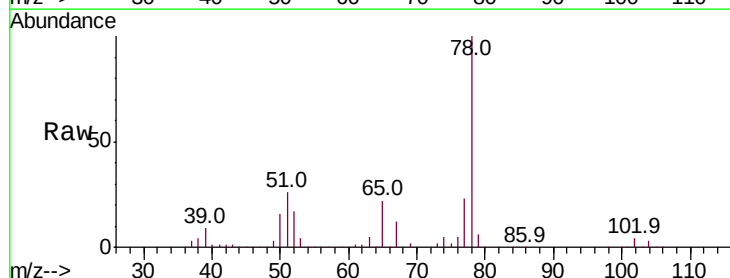
Manual Integrations
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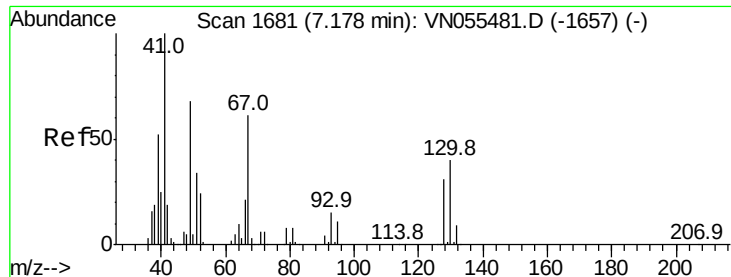
MMDadoda
5/9/2019 6:33:10 PM



#40
Benzene
Concen: 50.190 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	27.8





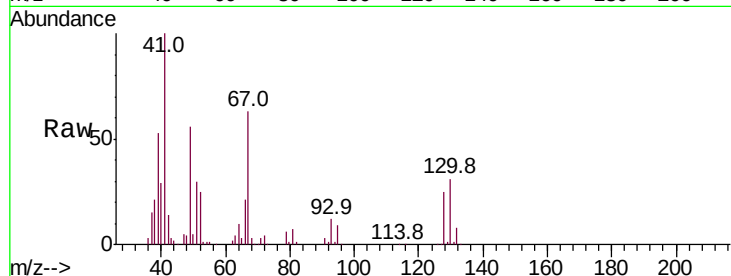
#41
Methacrylonitrile
Concen: 54.506 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampled :
ICVVN050819

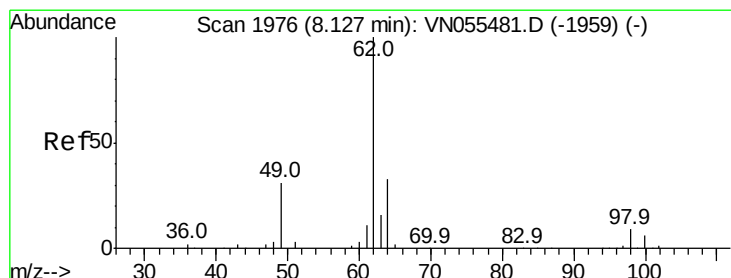
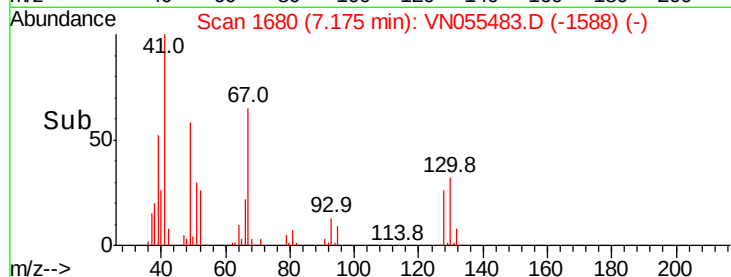
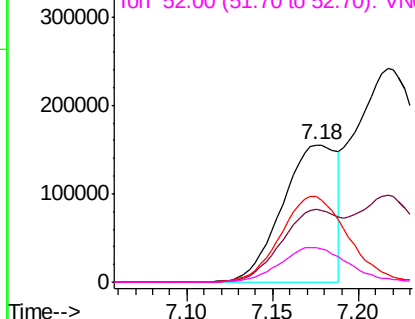
Tot Ion	Ratio	Lower	Upper
41	100		
39	56.8	44.7	67.1
67	78.4	61.4	92.0
52	31.4	25.0	37.4

Manual Integrations
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5/9/2019 6:33:10 PM

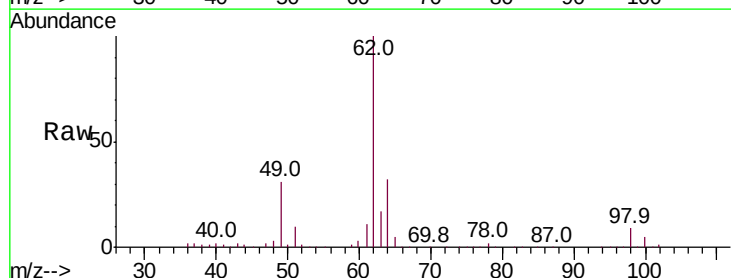


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

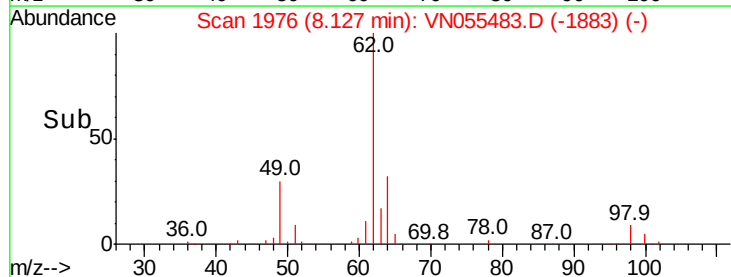
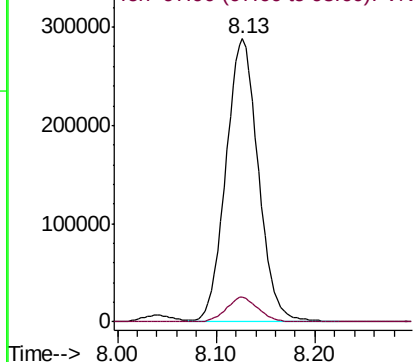


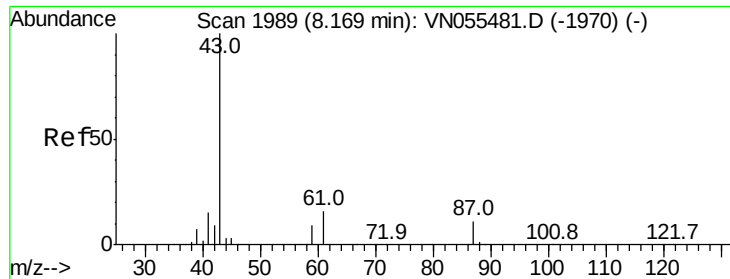
#42
1,2-Dichloroethane
Concen: 48.622 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 53.272 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN050819

Tot Ion: 43 Resp: 1094408

Ion Ratio Lower Upper

43 100

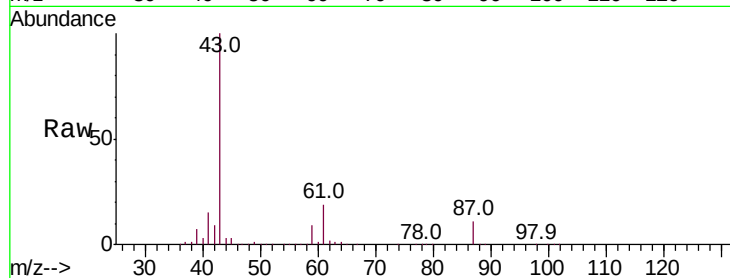
61 25.7 15.1 22.7#

87 11.5 9.0 13.6

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

8.17

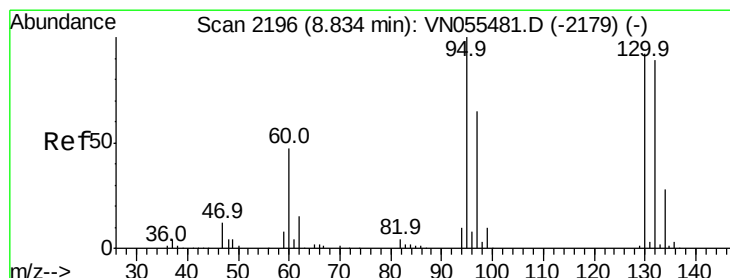
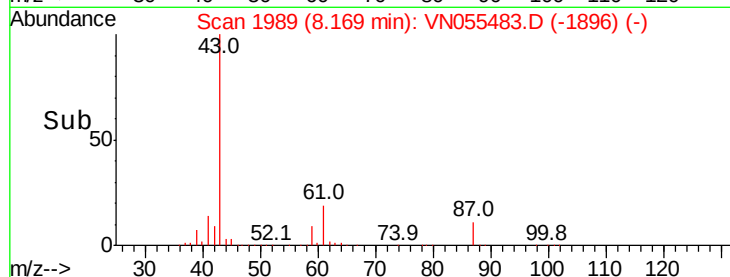
600000

400000

200000

0

Time-->



#44

Trichloroethene

Concen: 49.382 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055483.D

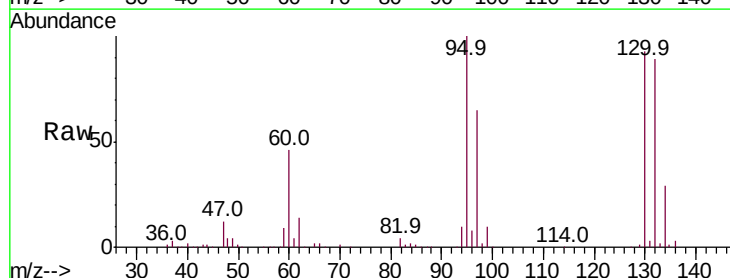
Acq: 8 May 2019 19:30

Tgt Ion:130 Resp: 452055

Ion Ratio Lower Upper

130 100

95 107.4 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.84

250000

200000

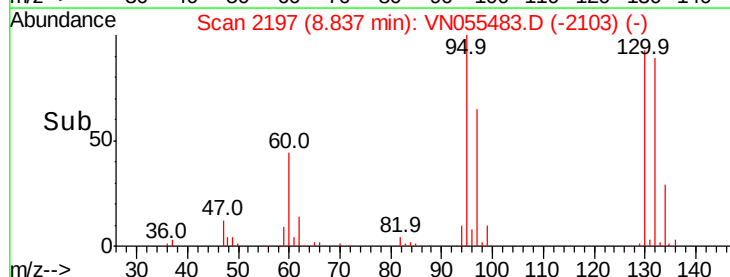
150000

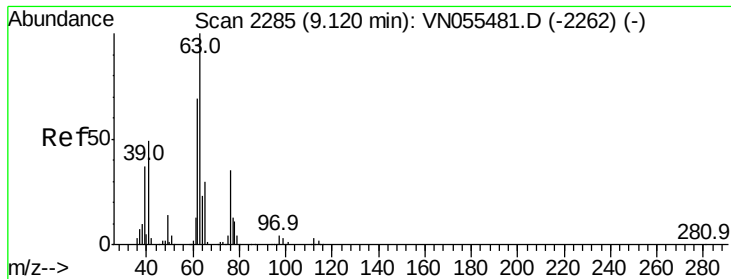
100000

50000

0

Time-->





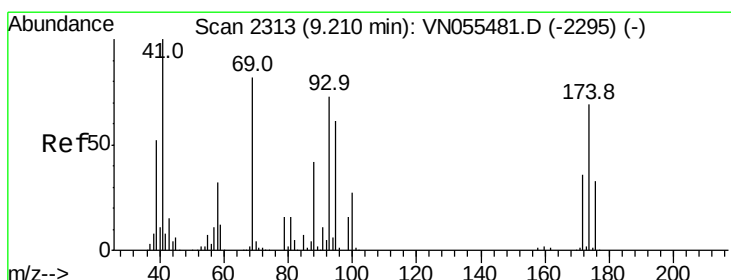
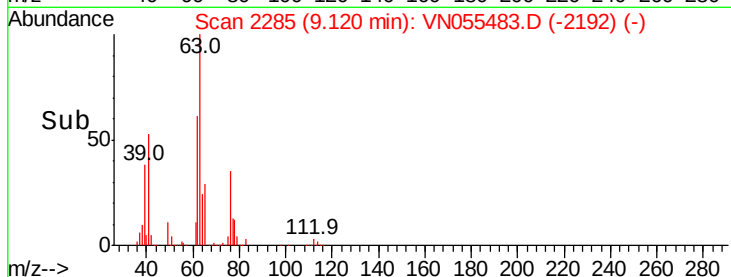
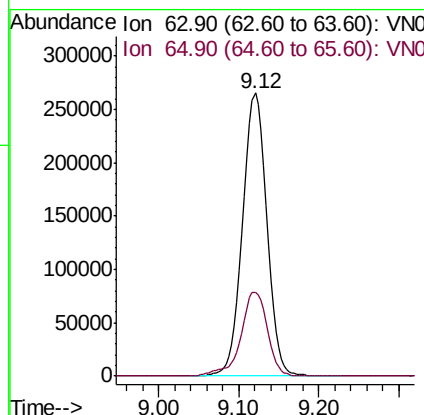
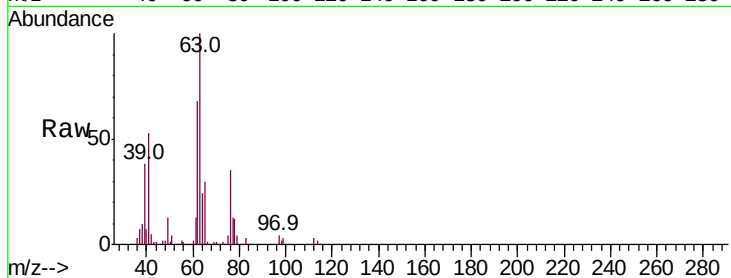
#45
 1,2-Dichloropropane
 Concen: 49.213 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055483.D
 Acq: 8 May 2019 19:30

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN050819

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	24.1	36.1

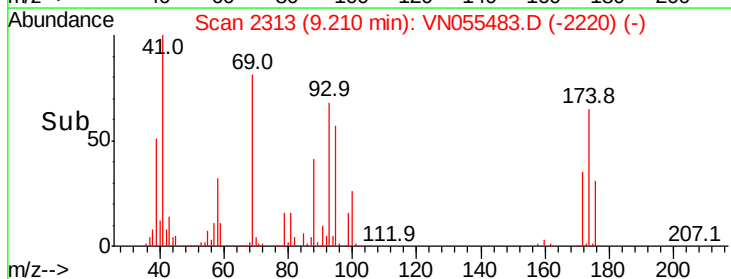
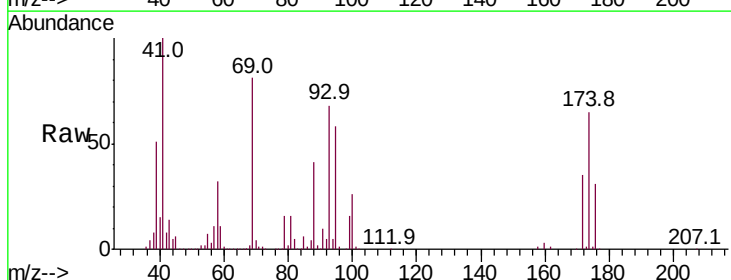
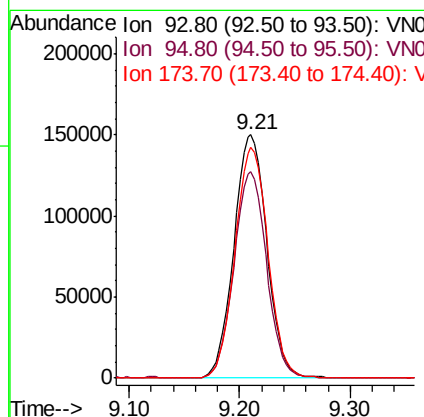
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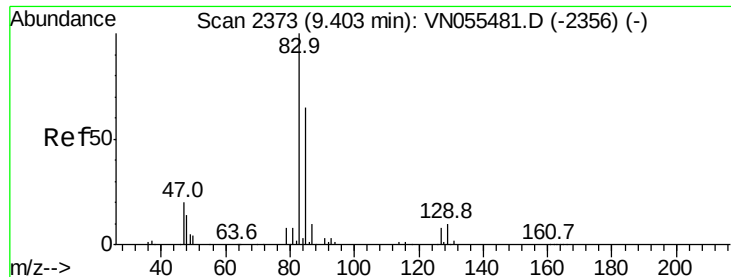
MMDadoda
 5/9/2019 6:33:10 PM



#46
 Dibromomethane
 Concen: 48.818 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN055483.D
 Acq: 8 May 2019 19:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	64.8	97.2
174	95.1	75.0	112.6





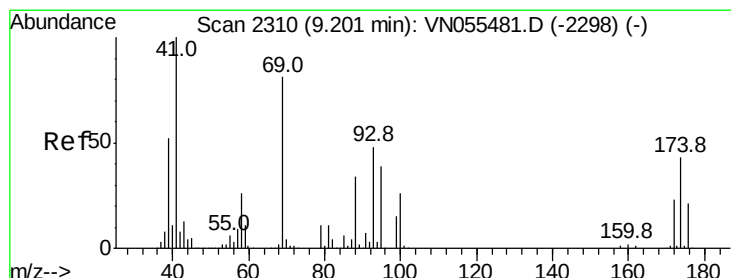
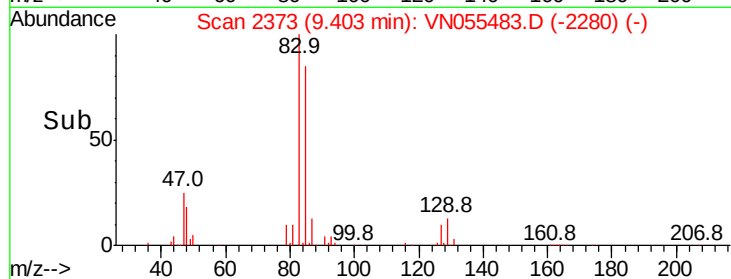
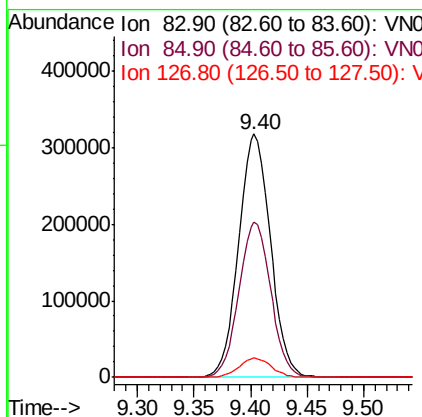
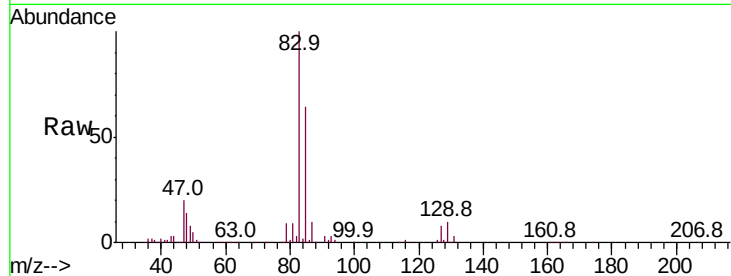
#47
Bromodichloromethane
Concen: 51.120 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN050819

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.2	78.2
127	7.8	6.5	9.7

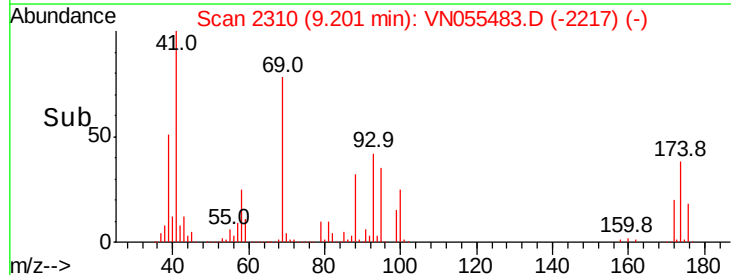
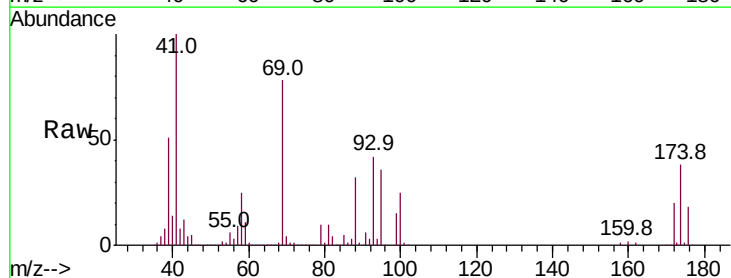
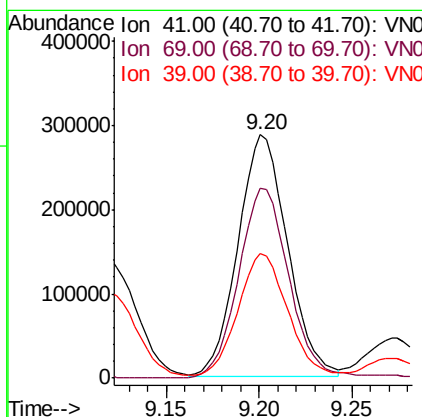
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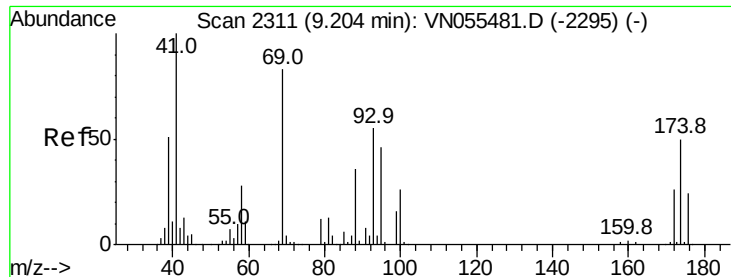
MMDadoda
5/9/2019 6:33:10 PM



#48
Methyl methacrylate
Concen: 54.028 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.5	64.2	96.2
39	51.7	41.6	62.4





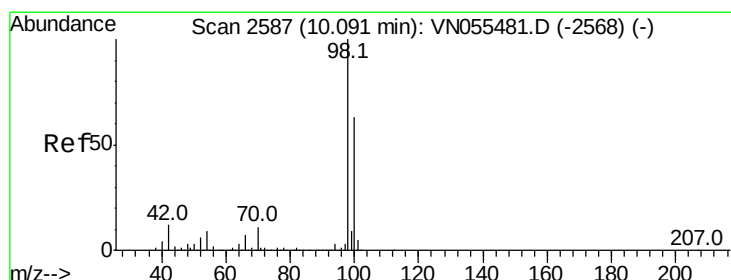
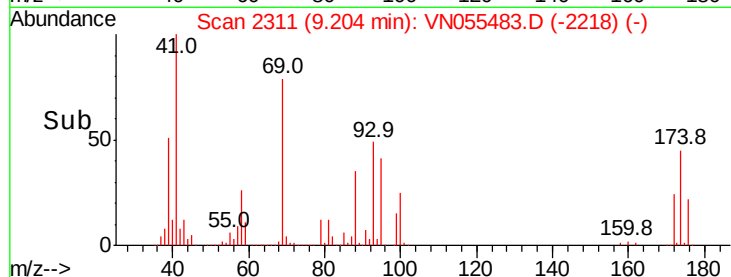
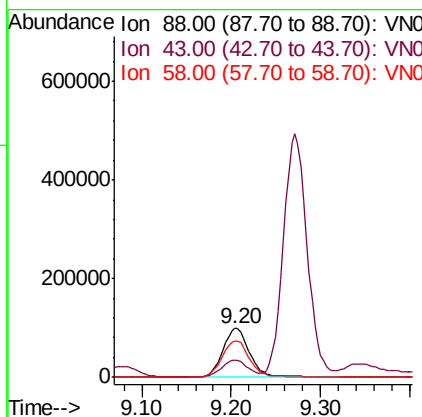
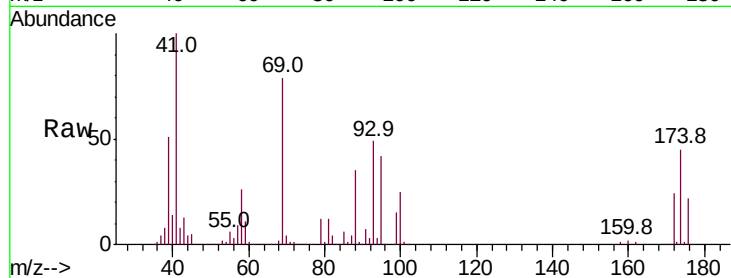
#49
1,4-Dioxane
Concen: 1067.897 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN050819

Tot Ion	88	Resp	206017
Ion	Ratio	Lower	Upper
88	100		
43	33.9	27.8	41.8
58	75.9	61.8	92.6

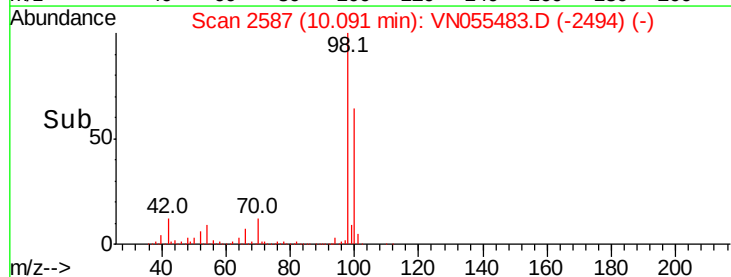
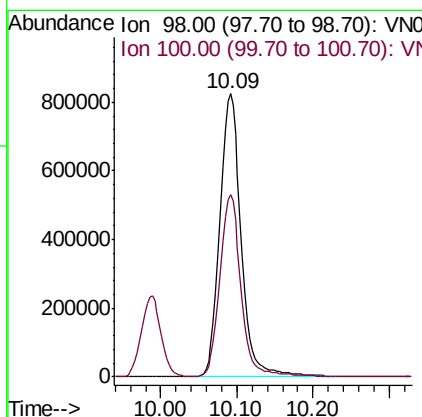
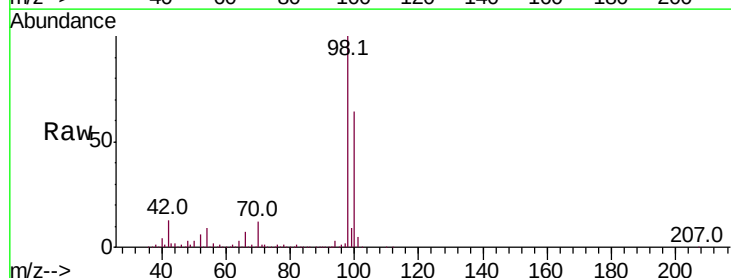
Manual Integrations
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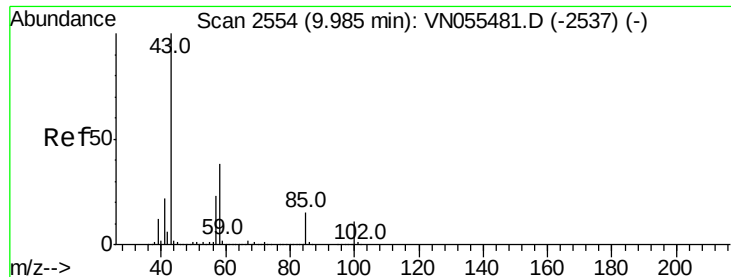
MMDadoda
5/9/2019 6:33:10 PM



#50
Toluene-d8
Concen: 50.939 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion	98	Resp	1611250
Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 263.126 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN050819

Tot Ion: 43 Resp: 3555188

Ion Ratio Lower Upper

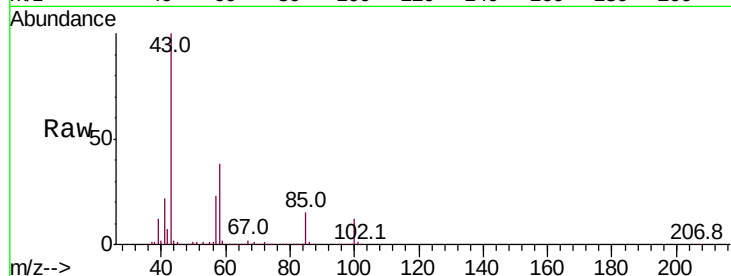
43 100

58 37.6 29.9 44.9

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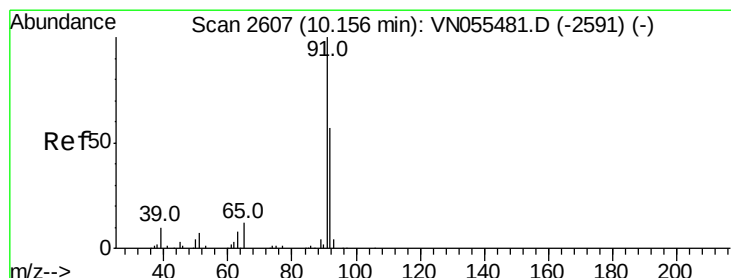
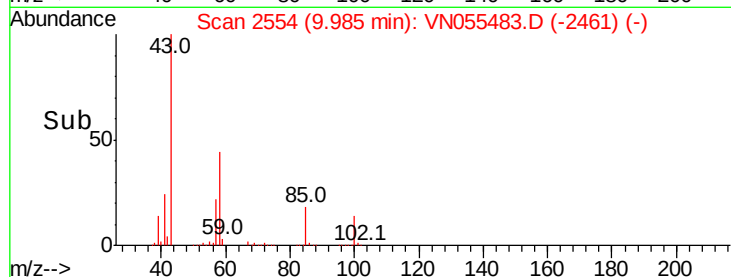
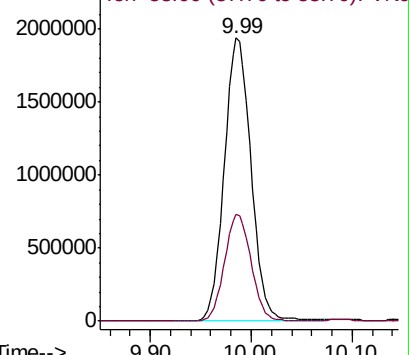
MMDadoda

5/9/2019 6:33:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.487 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055483.D

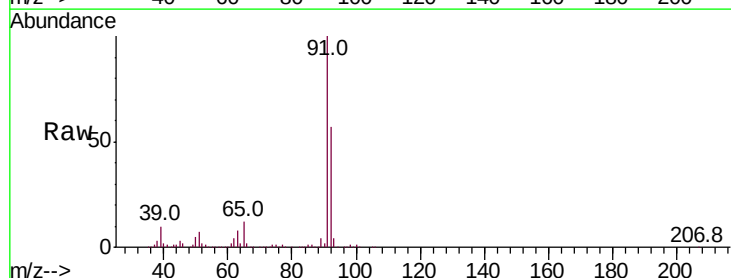
Acq: 8 May 2019 19:30

Tgt Ion: 92 Resp: 1132463

Ion Ratio Lower Upper

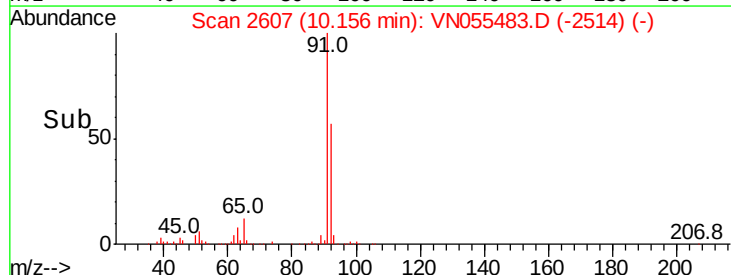
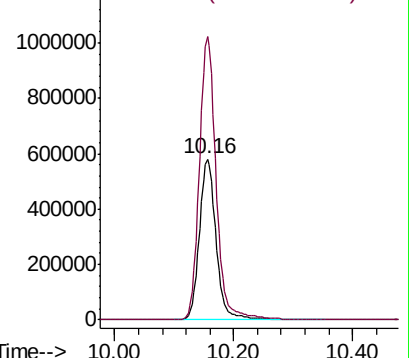
92 100

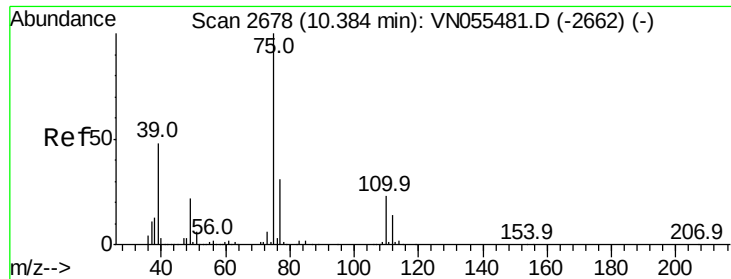
91 176.6 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





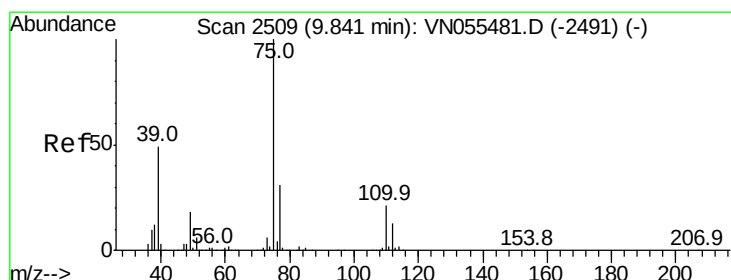
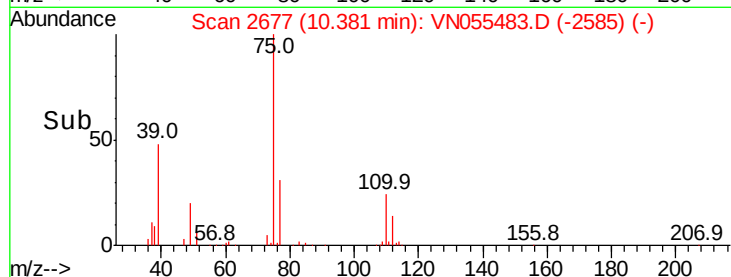
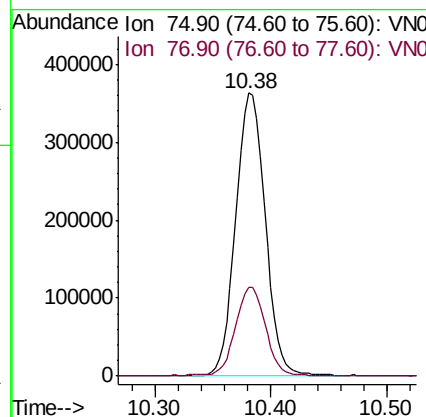
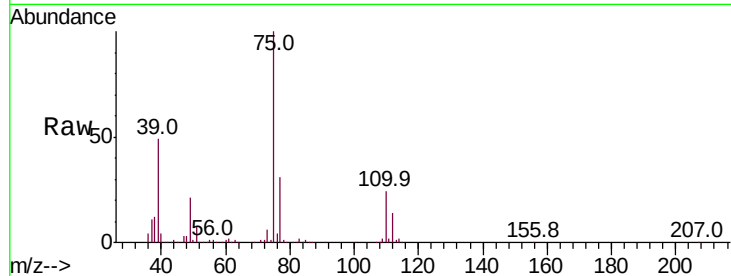
#53
t-1,3-Dichloropropene
Concen: 54.895 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampled :
ICVVN050819

Tot Ion: 75 Resp: 643574
Ion Ratio Lower Upper
75 100
77 31.3 25.1 37.7

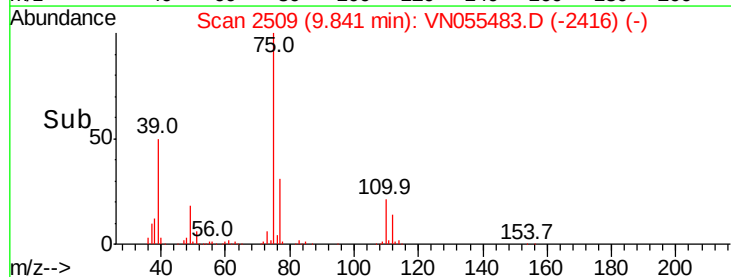
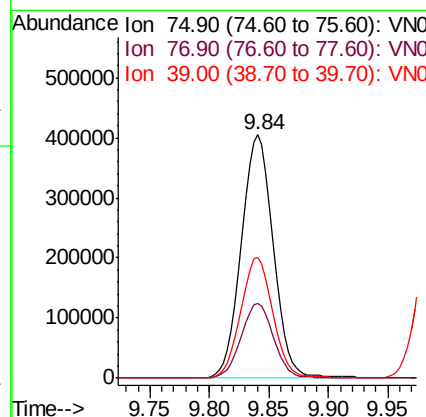
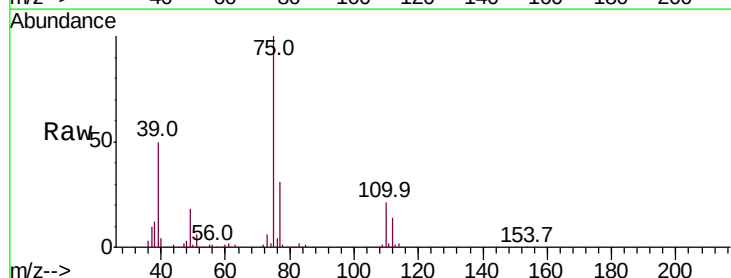
Manual Integrations
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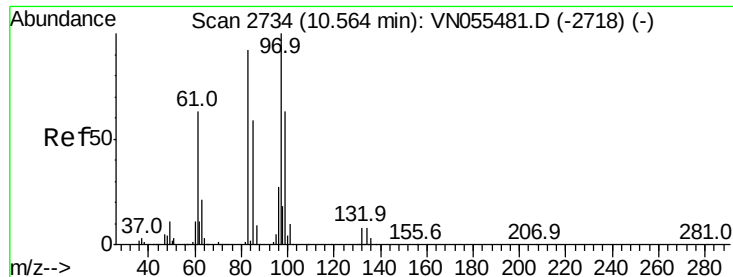
MMDadoda
5/9/2019 6:33:10 PM



#54
cis-1,3-Dichloropropene
Concen: 53.826 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion: 75 Resp: 754057
Ion Ratio Lower Upper
75 100
77 30.9 24.4 36.6
39 49.7 39.5 59.3





#55

1,1,2-Trichloroethane

Concen: 50.005 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

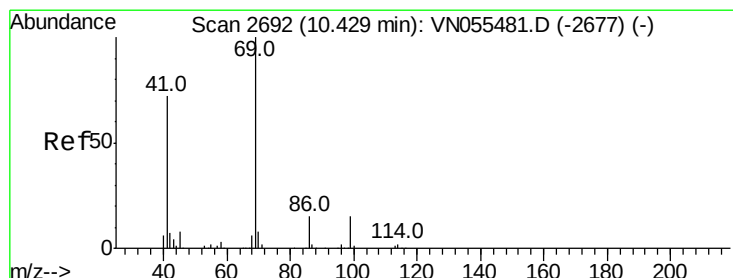
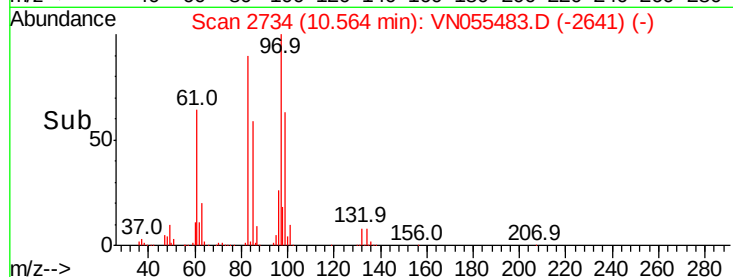
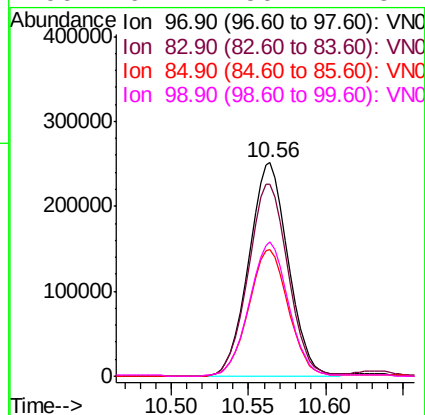
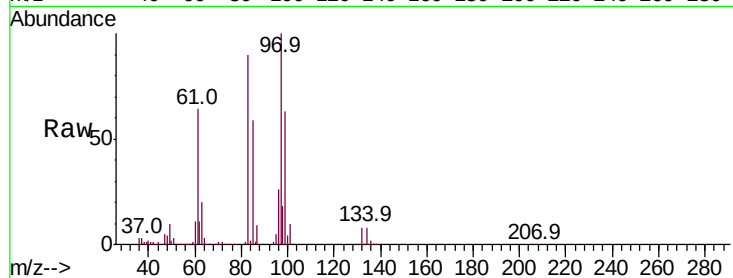
ClientSampleId :

ICVVN050819

Tot Ion:	97	Resp:	445625
Ion	Ratio	Lower	Upper
97	100		
83	89.6	73.2	109.8
85	59.1	47.5	71.3
99	62.7	50.2	75.2

Manual Integrations
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MMDadoda
5/9/2019 6:33:10 PM



#56

Ethyl methacrylate

Concen: 53.818 ug/l

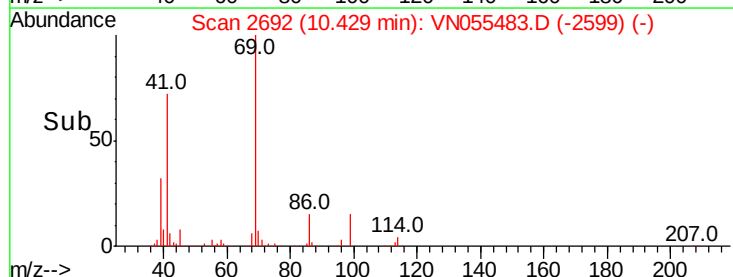
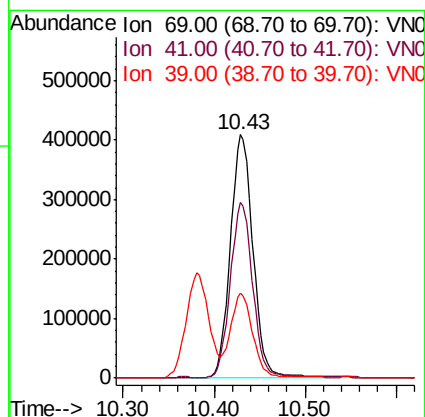
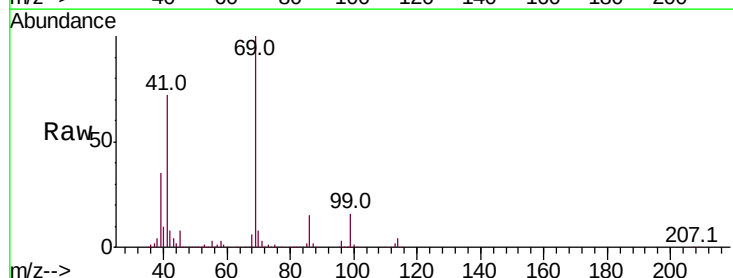
RT: 10.43 min Scan# 2692

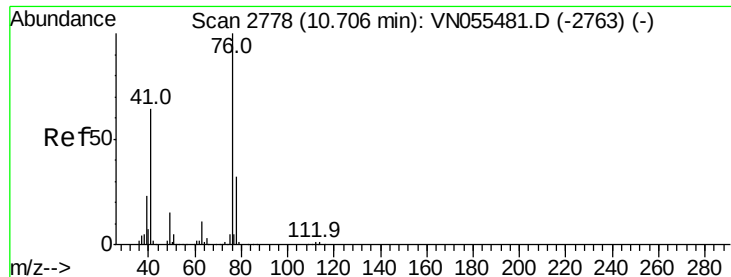
Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Tgt Ion:	69	Resp:	713385
Ion	Ratio	Lower	Upper
69	100		
41	70.0	56.2	84.2
39	33.7	27.8	41.6





#57

1,3-Dichloropropane

Concen: 50.961 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

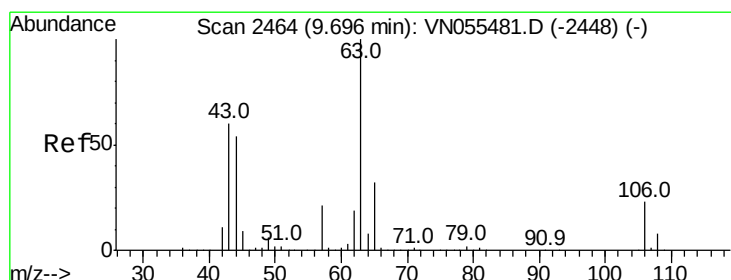
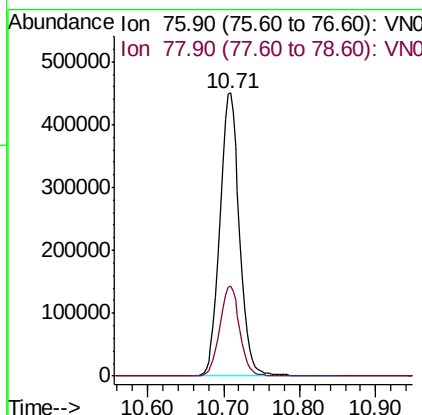
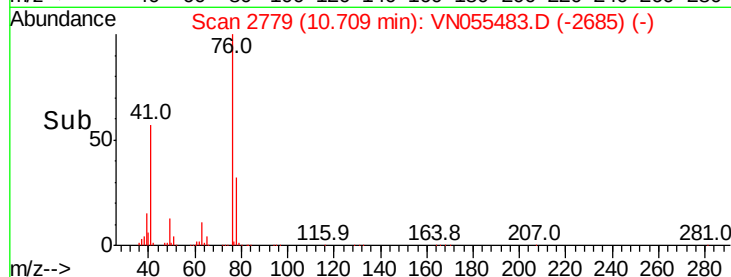
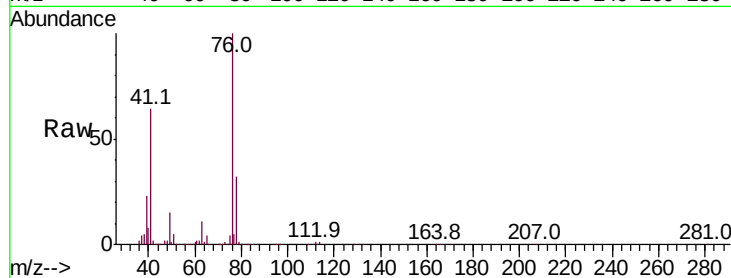
Instrument :
MSVOA_N
ClientSampleId :
ICVVN050819

Tot Ion: 76 Resp: 806265

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

Manual Integrations
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5/9/2019 6:33:10 PM



#58

2-Chloroethyl Vinyl ether

Concen: 237.298 ug/l

RT: 9.70 min Scan# 2464

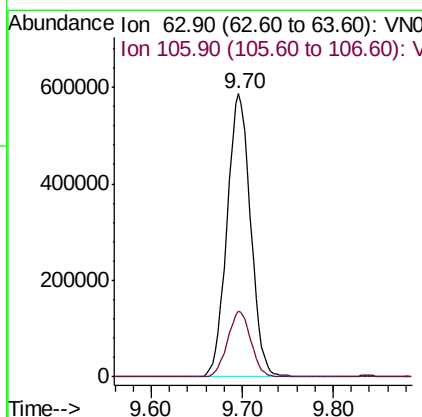
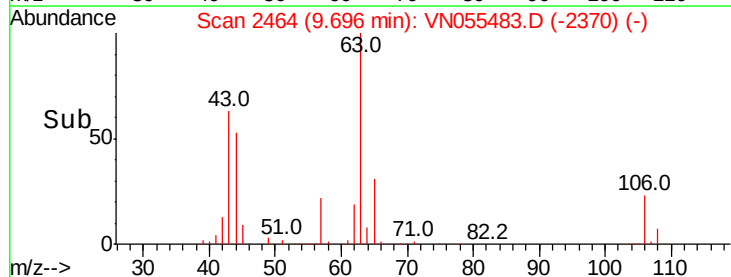
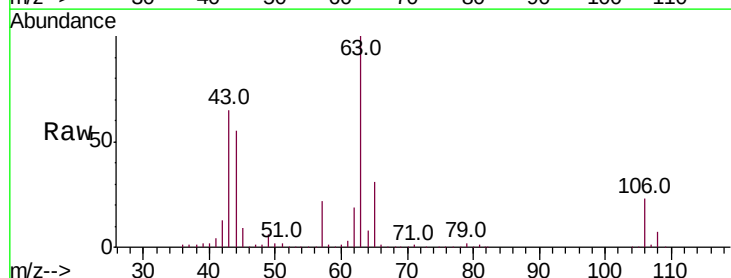
Delta R.T. 0.00 min

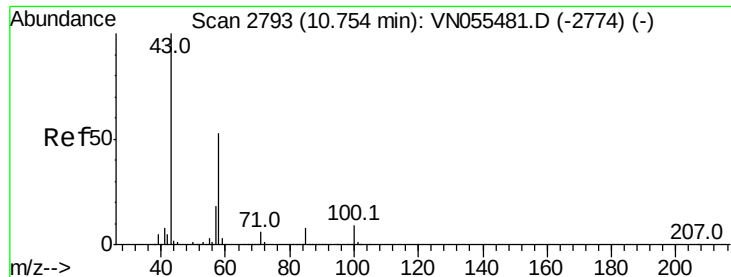
Lab File: VN055483.D

Acq: 8 May 2019 19:30

Tgt Ion: 63 Resp: 1055895

Ion	Ratio	Lower	Upper
63	100		
106	23.0	18.6	27.8





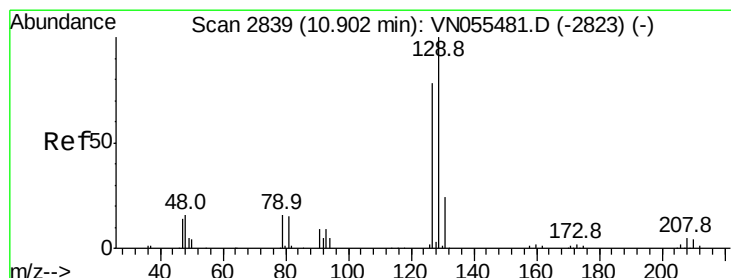
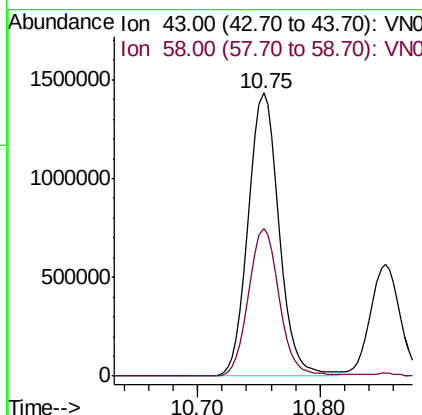
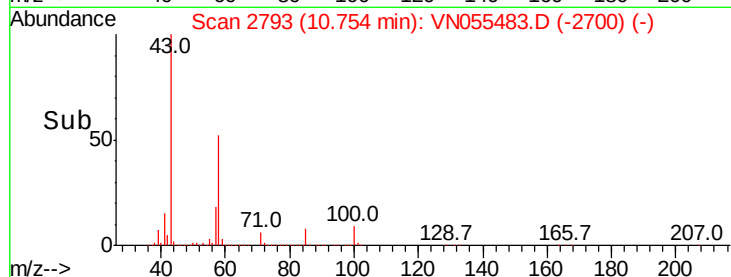
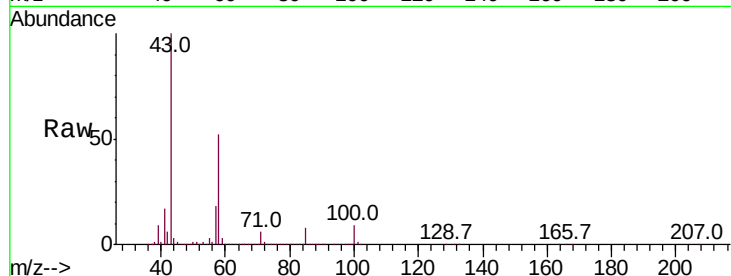
#59
2-Hexanone
Concen: 262.164 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN050819

Tot Ion: 43 Resp: 2484144
Ion Ratio Lower Upper
43 100
58 52.4 26.4 79.0

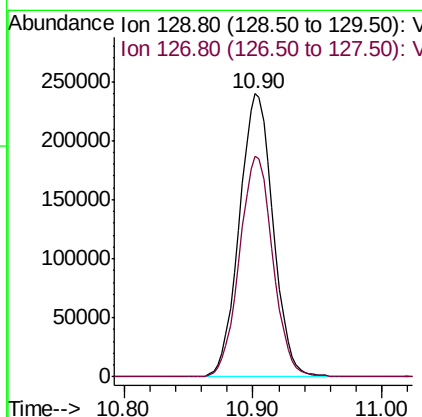
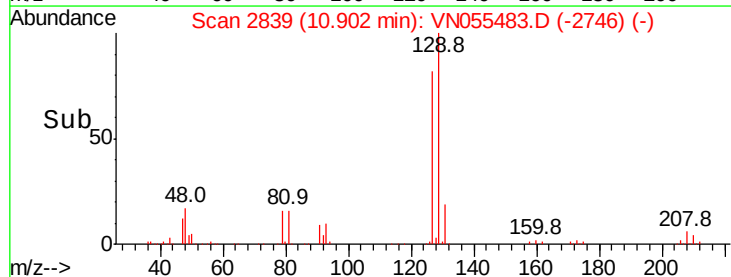
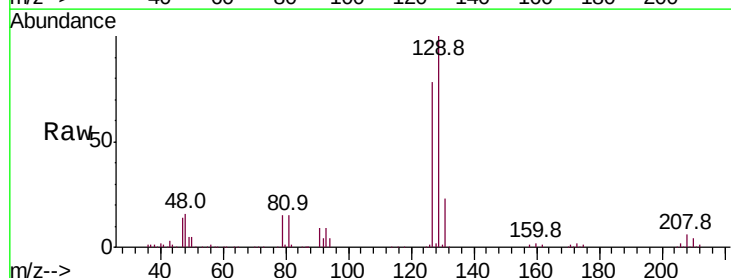
Manual Integrations
APPROVED

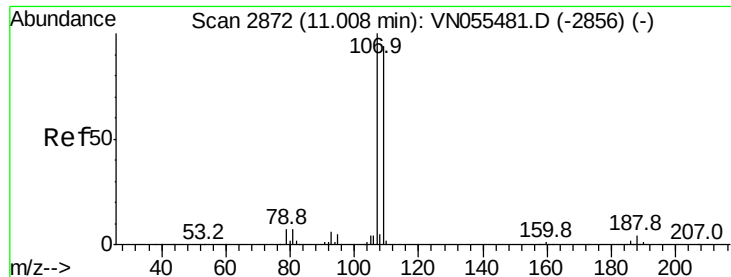
MMDadoda
5/9/2019 6:33:10 PM



#60
Dibromochloromethane
Concen: 53.748 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion: 129 Resp: 435492
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.896 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

ClientSampled :

ICVVN050819

Tot Ion:107 Resp: 444354

Ion Ratio Lower Upper

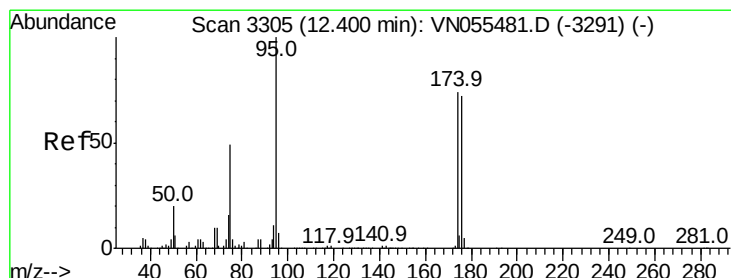
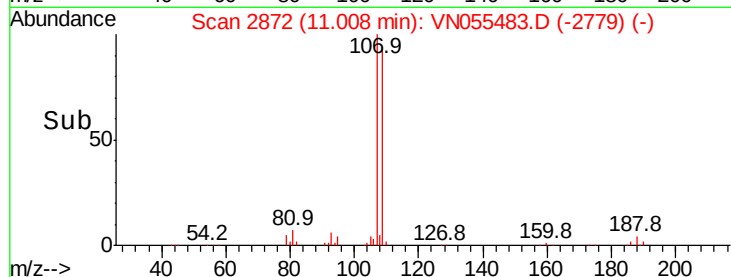
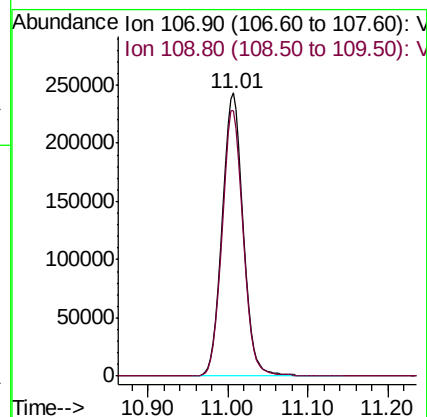
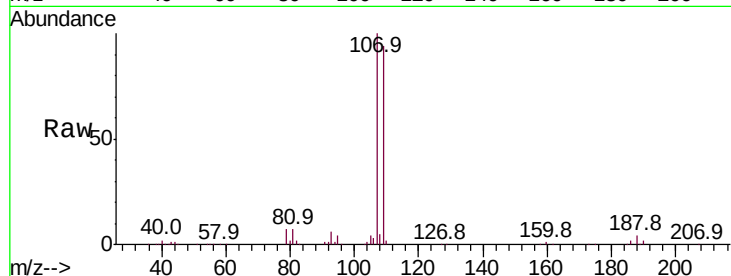
107 100

109 94.2 74.2 111.4

Manual Integrations
APPROVED

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#62

4-Bromofluorobenzene

Concen: 52.434 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

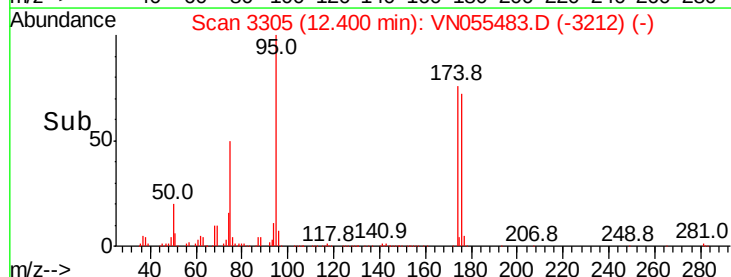
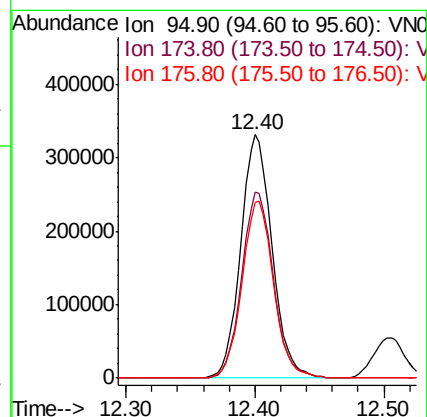
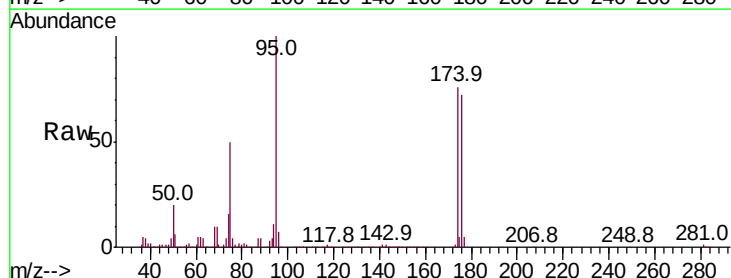
Tgt Ion: 95 Resp: 559236

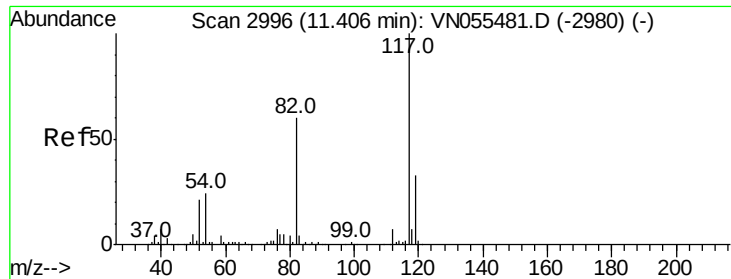
Ion Ratio Lower Upper

95 100

174 77.3 0.0 152.2

176 73.5 0.0 147.8





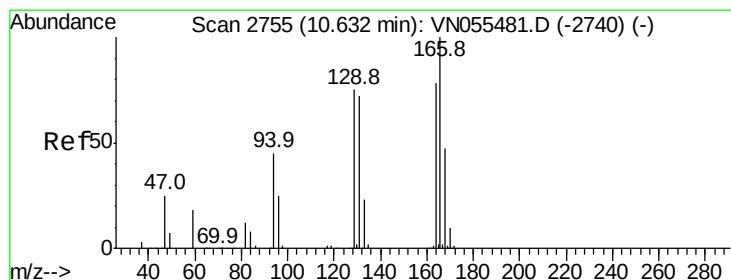
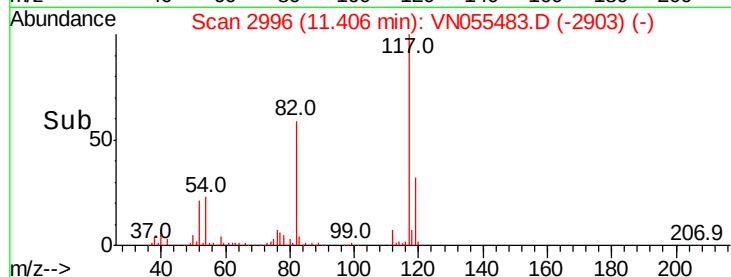
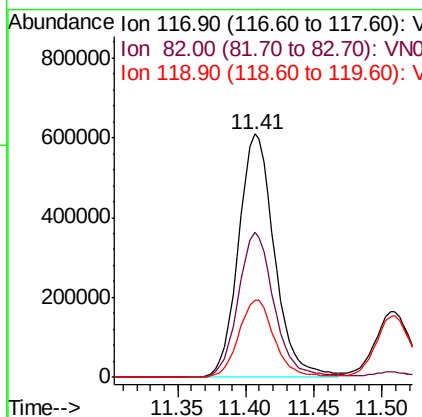
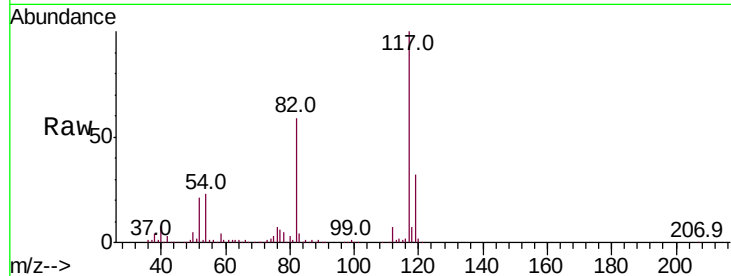
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN050819

Tot Ion:117 Resp: 1116606
Ion Ratio Lower Upper
117 100
82 59.4 48.0 72.0
119 31.8 26.0 39.0

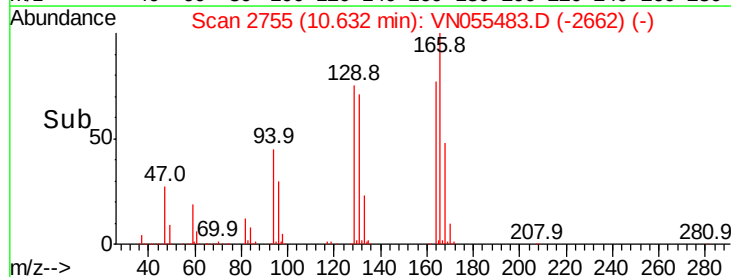
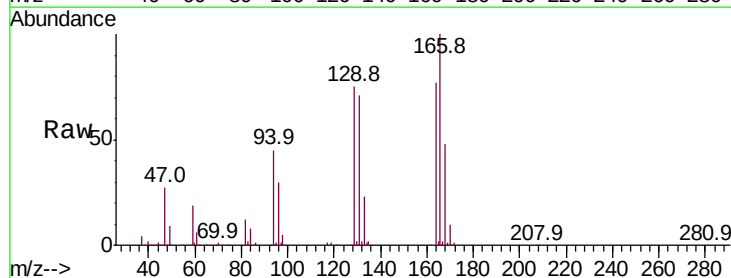
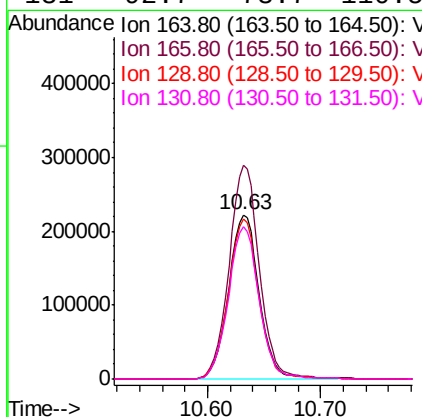
Manual Integrations
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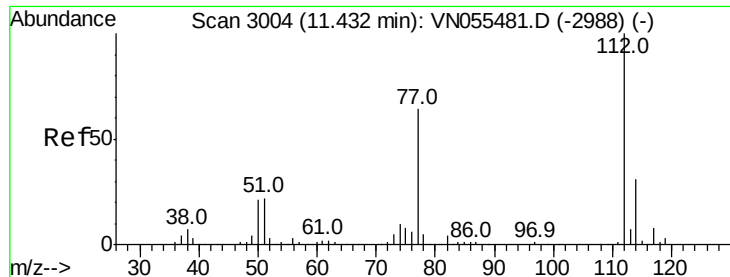
MMDadoda
5/9/2019 6:33:10 PM



#64
Tetrachloroethene
Concen: 45.786 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion:164 Resp: 418915
Ion Ratio Lower Upper
164 100
166 130.3 102.6 153.8
129 97.4 77.0 115.6
131 92.7 73.7 110.5





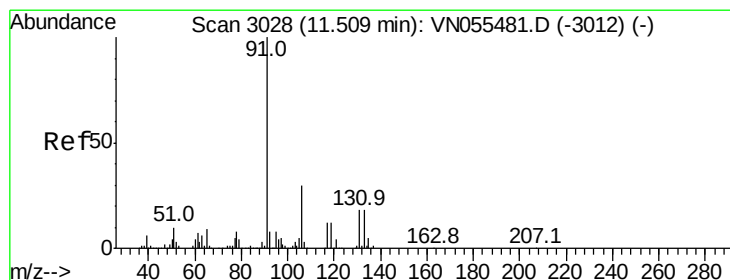
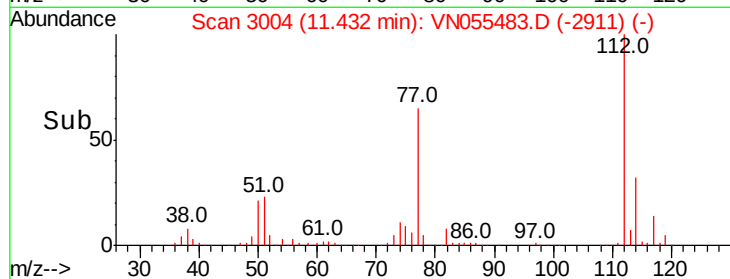
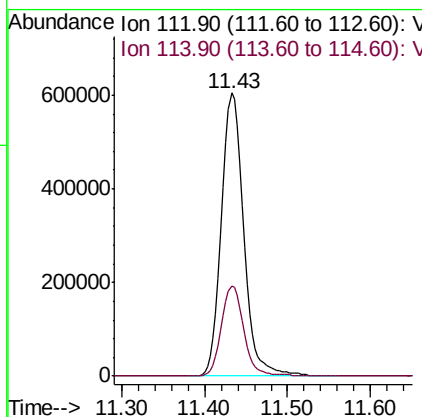
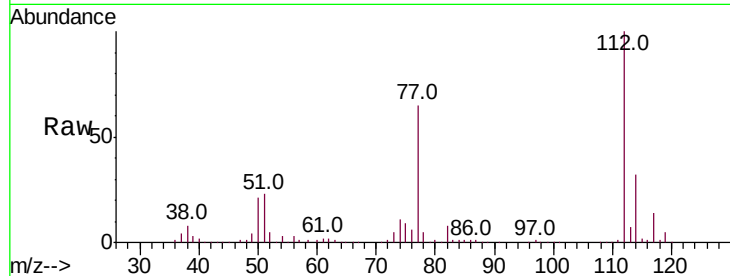
#65
Chlorobenzene
Concen: 49.202 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN050819

Tot Ion:112 Resp: 1130287
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.4

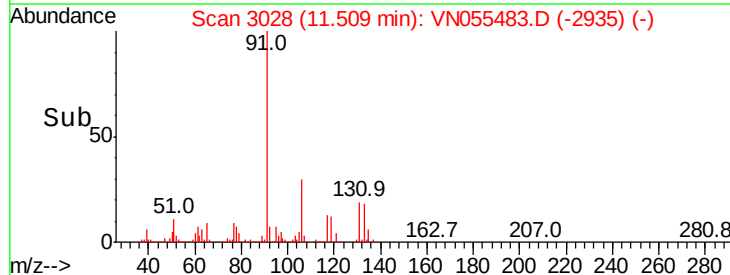
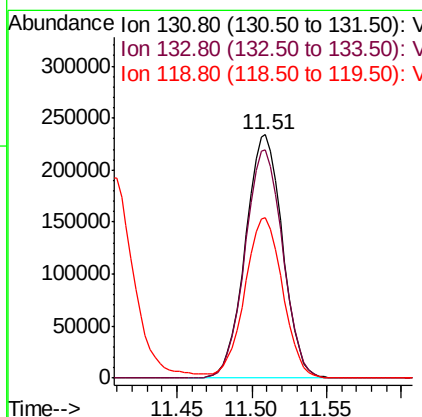
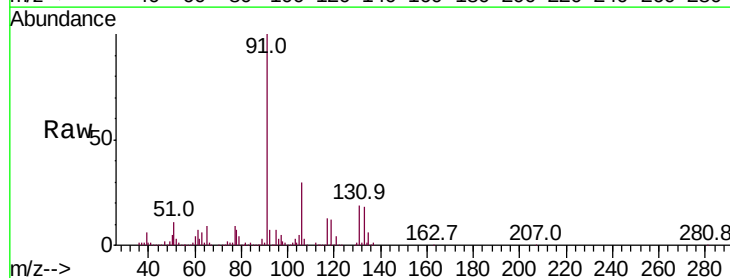
Manual Integrations
APPROVED

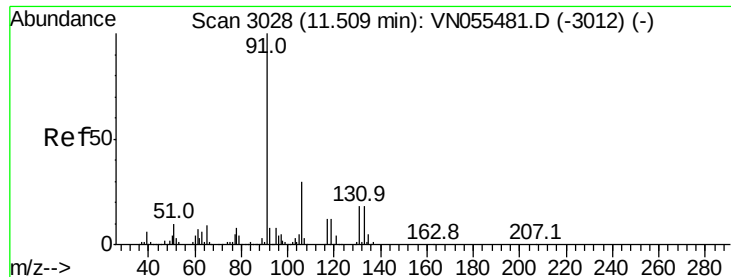
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.073 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion:131 Resp: 403920
Ion Ratio Lower Upper
131 100
133 95.5 47.4 142.2
119 67.4 34.1 102.2





#67

Ethyl Benzene

Concen: 50.194 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN050819

Tot Ion: 91 Resp: 2165663

Ion Ratio Lower Upper

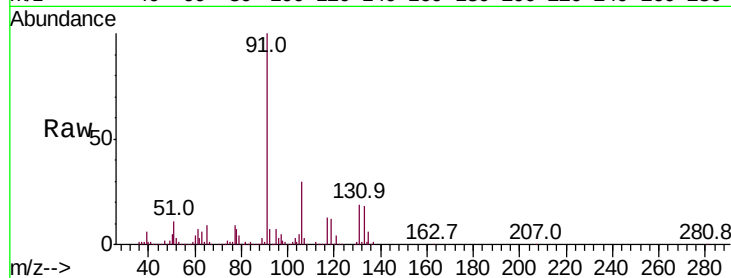
91 100

106 29.9 23.8 35.6

Manual Integrations
APPROVED

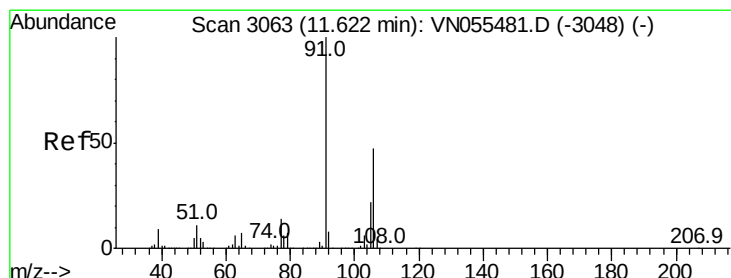
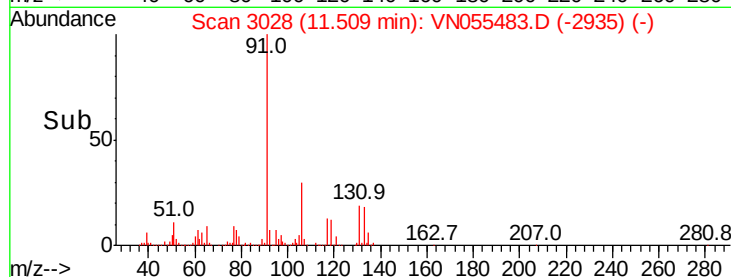
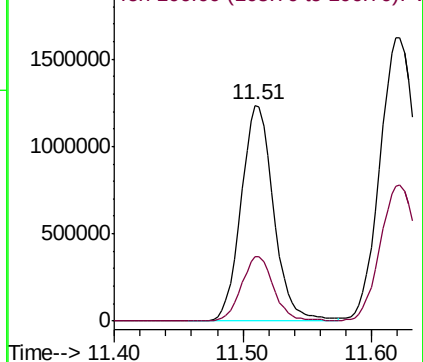
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 101.892 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055483.D

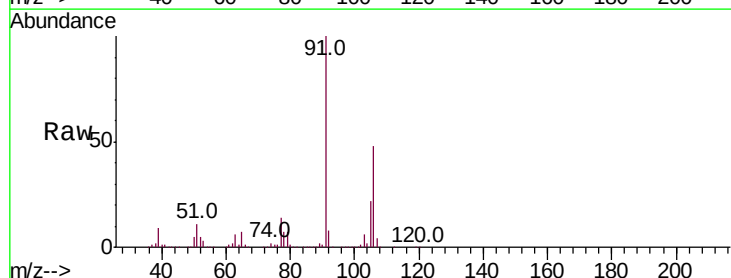
Acq: 8 May 2019 19:30

Tgt Ion:106 Resp: 1577686

Ion Ratio Lower Upper

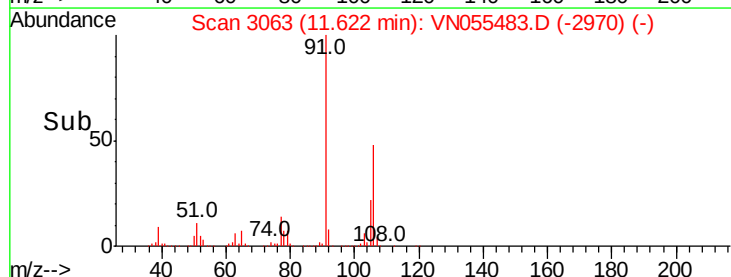
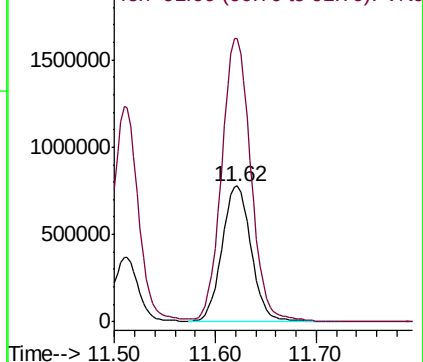
106 100

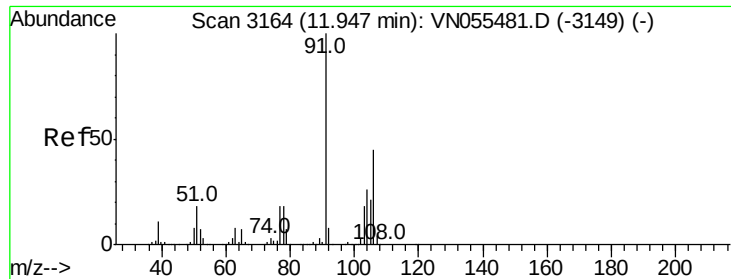
91 208.6 169.2 253.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





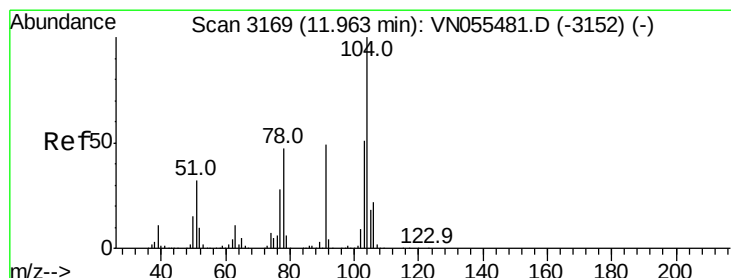
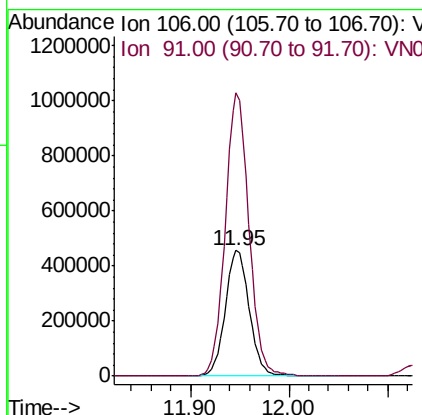
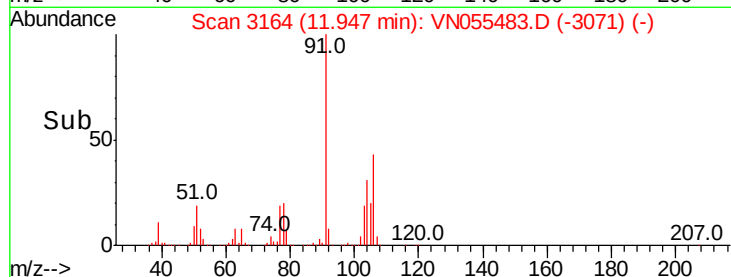
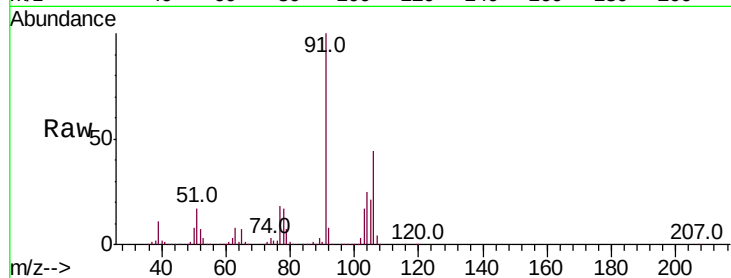
#69
o-Xylene
Concen: 50.848 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampled :
ICVVN050819

Tot Ion:106 Resp: 773848
Ion Ratio Lower Upper
106 100
91 222.5 111.3 333.8

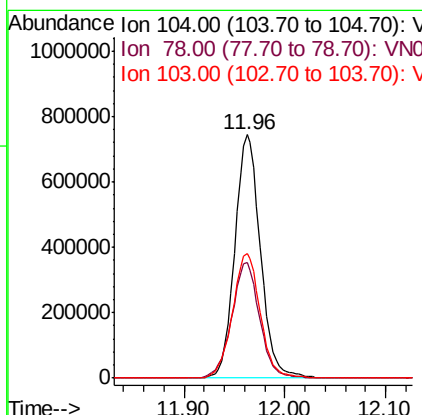
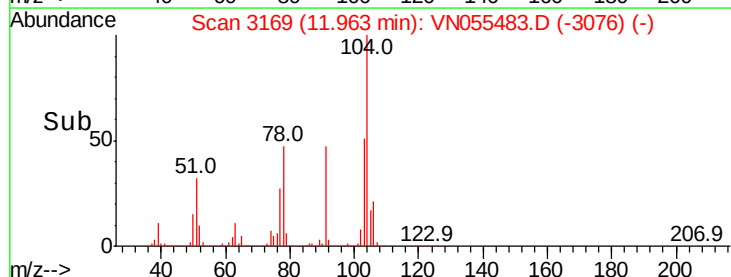
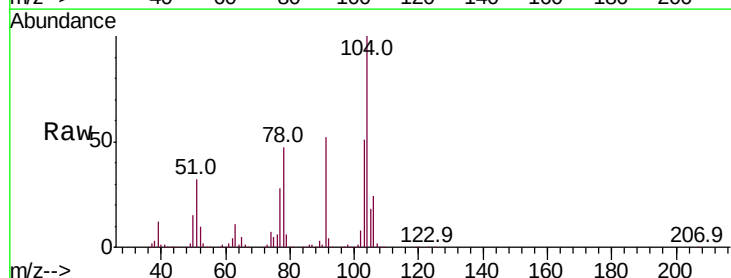
Manual Integrations
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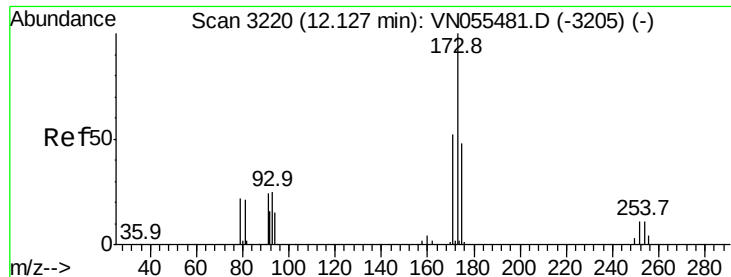
MMDadoda
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#70
Styrene
Concen: 53.722 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion:104 Resp: 1309845
Ion Ratio Lower Upper
104 100
78 51.8 41.6 62.4
103 55.6 44.4 66.6





#71

Bromoform

Concen: 53.543 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN050819

Tot Ion:173 Resp: 285748

Ion Ratio Lower Upper

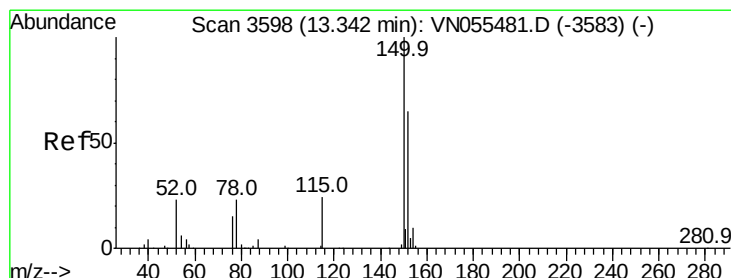
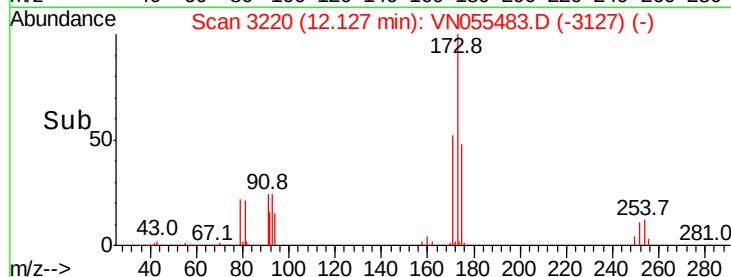
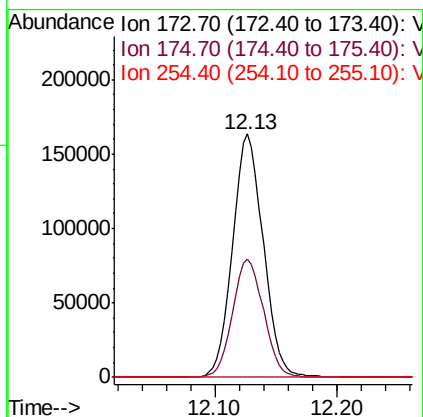
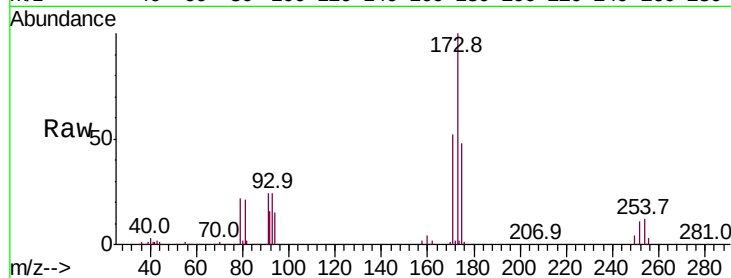
173 100

175 49.2 24.1 72.4

254 0.1 0.1 0.1#

Manual Integrations
APPROVED

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

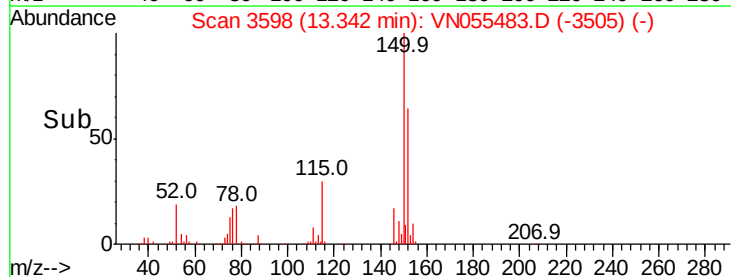
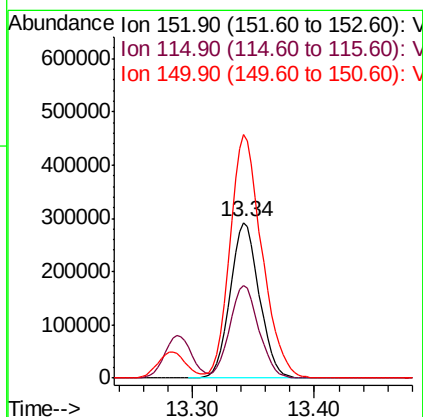
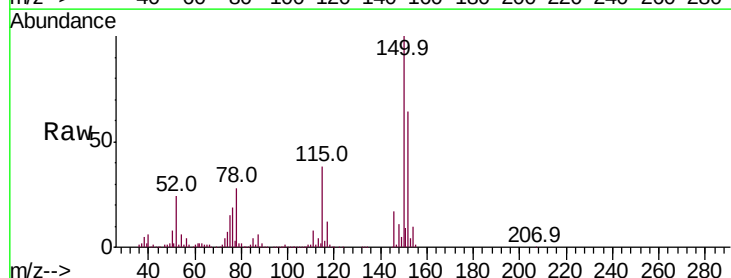
Tgt Ion:152 Resp: 482611

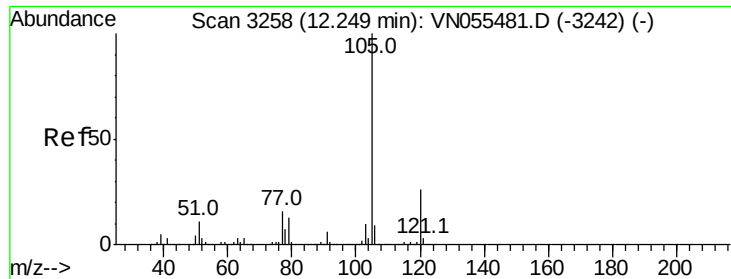
Ion Ratio Lower Upper

152 100

115 59.9 30.1 90.5

150 172.5 0.0 355.0





#73

Isopropylbenzene

Concen: 51.266 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN050819

Tot Ion:105 Resp: 2037573

Ion Ratio Lower Upper

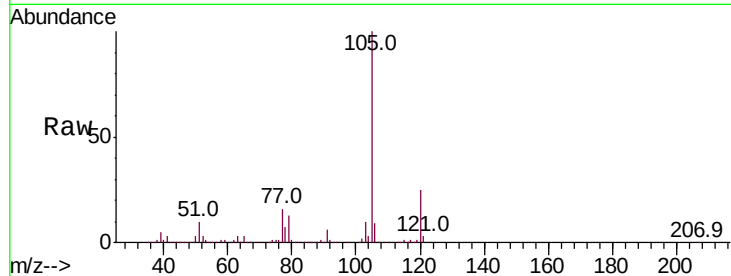
105 100

120 25.6 13.0 39.0

Manual Integrations
APPROVED

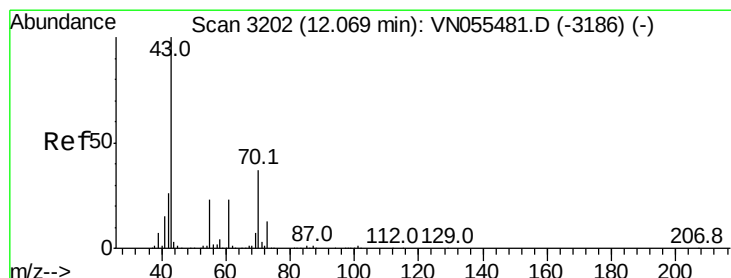
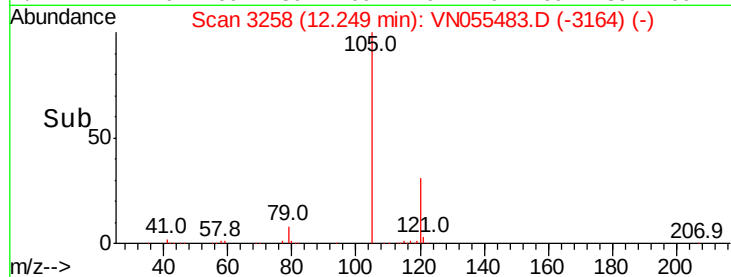
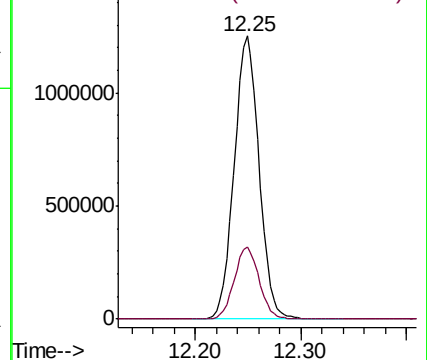
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.968 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Tgt Ion: 43 Resp: 915537

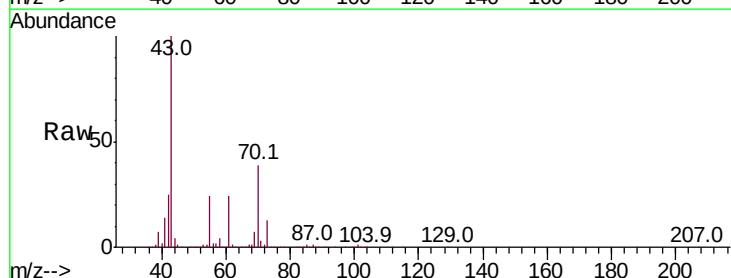
Ion Ratio Lower Upper

43 100

70 38.8 30.7 46.1

55 24.2 19.3 28.9

61 23.5 18.6 27.8

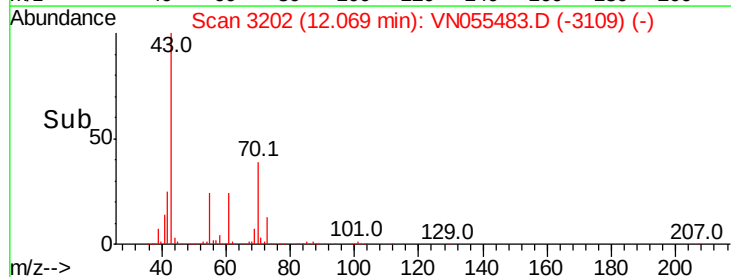
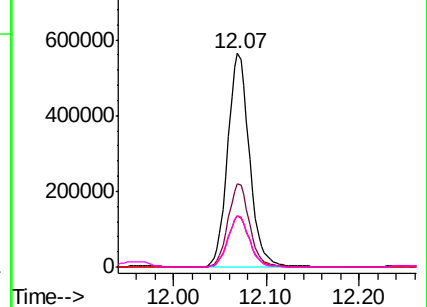


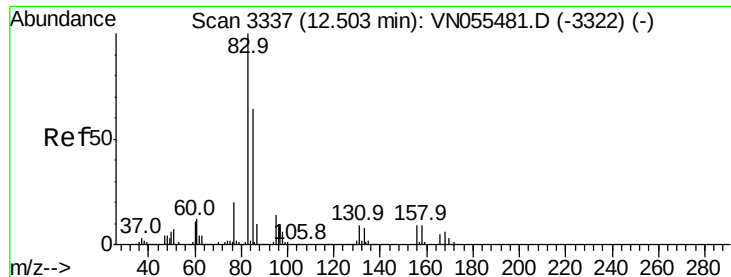
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.781 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN050819

Tot Ion: 83 Resp: 668856

Ion Ratio Lower Upper

83 100

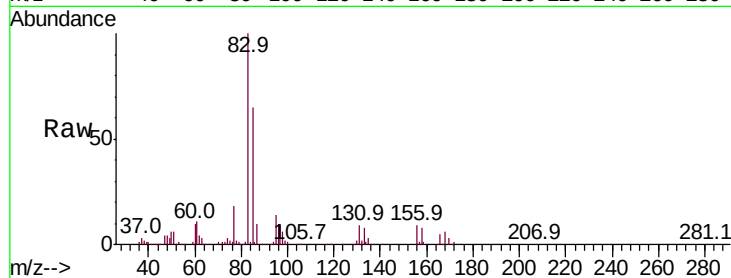
131 8.9 4.5 13.5

85 64.6 32.0 96.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055483.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN055483.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN055483.D (-3322) (-)

12.50

400000

300000

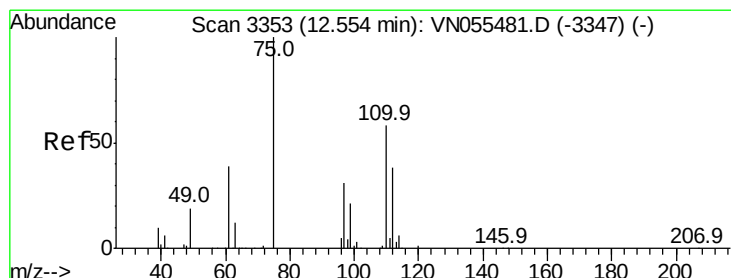
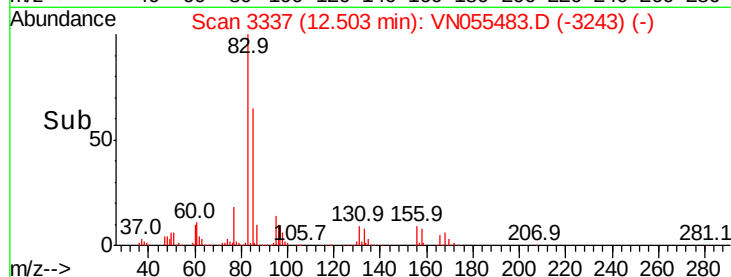
200000

100000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 50.519 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055483.D

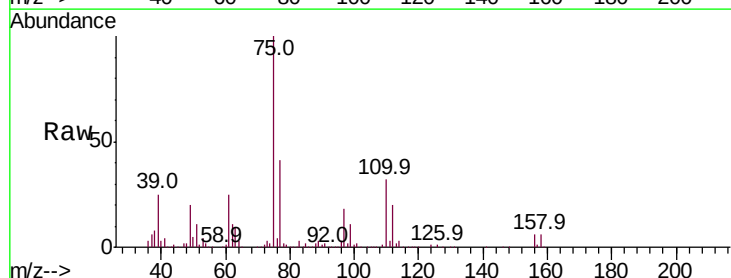
Acq: 8 May 2019 19:30

Tgt Ion: 75 Resp: 570922

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055483.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN055483.D (-3353) (-)

600000

500000

400000

300000

200000

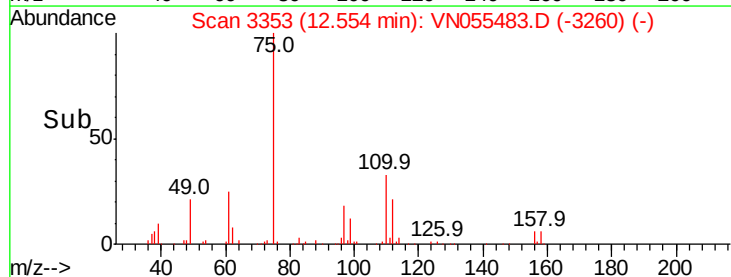
100000

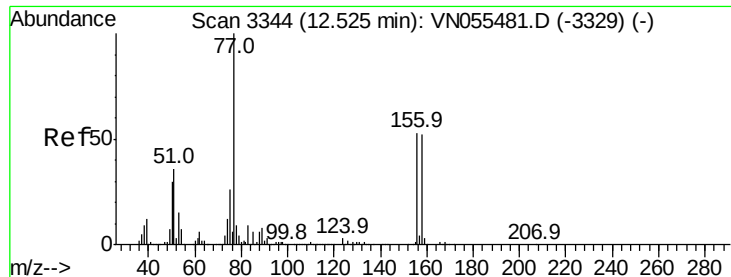
0

12.55

12.60

Time-->





#77

Bromobenzene

Concen: 44.056 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

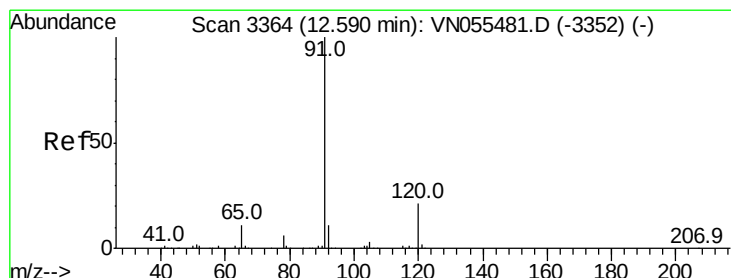
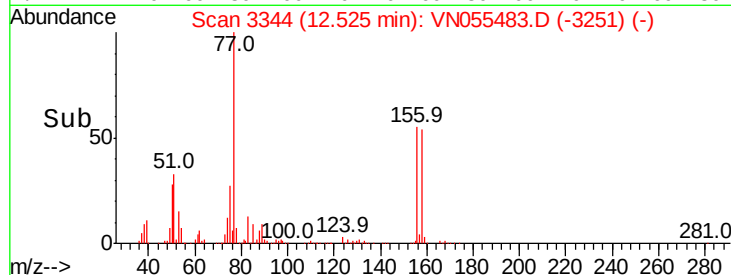
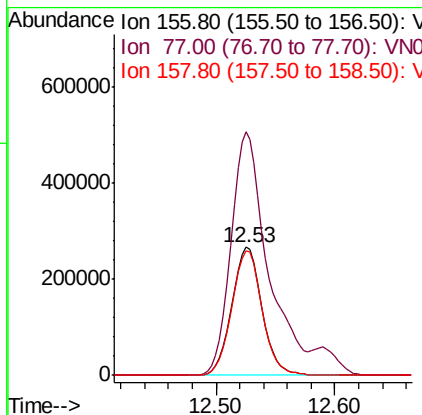
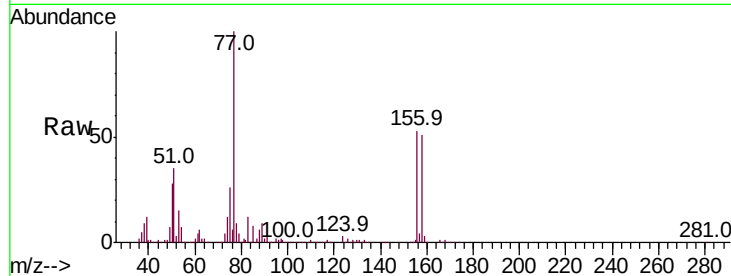
ClientSampleId :

ICVVN050819

Tot Ion	Ratio	Lower	Upper
156	100		
77	230.3	115.4	346.2
158	97.7	48.7	146.1

Manual Integrations
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#78

n-propylbenzene

Concen: 45.703 ug/l

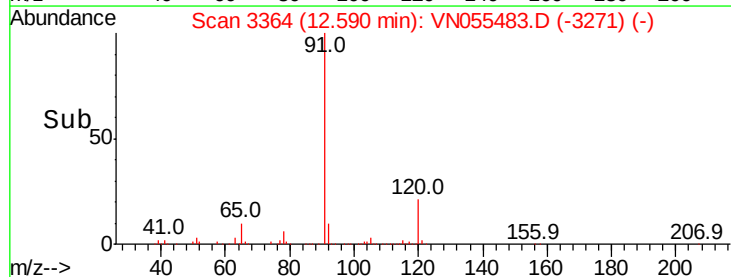
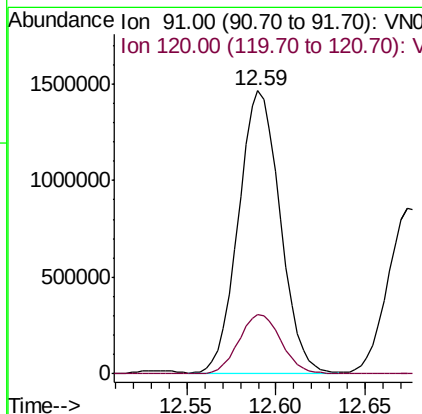
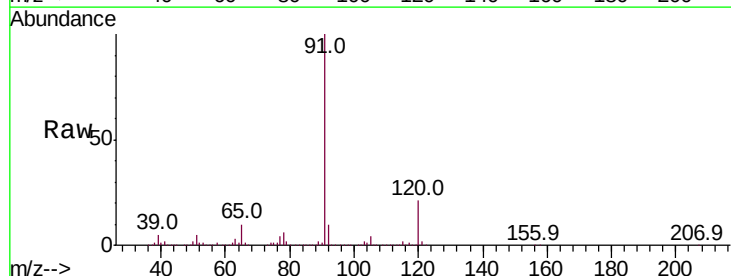
RT: 12.59 min Scan# 3364

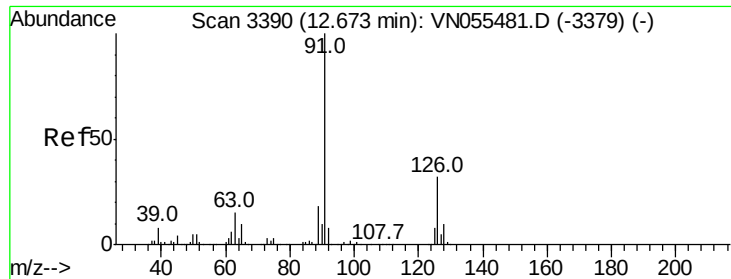
Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3





#79

2-Chlorotoluene

Concen: 43.973 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

ClientSampled :

ICVVN050819

Tot Ion: 91 Resp: 1418529

Ion Ratio Lower Upper

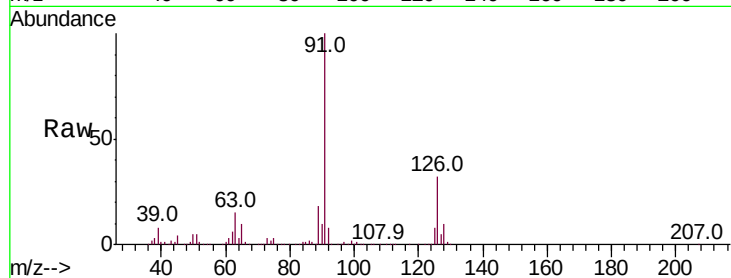
91 100

126 32.6 16.0 47.9

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN055483.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN055483.D (-3390) (-)

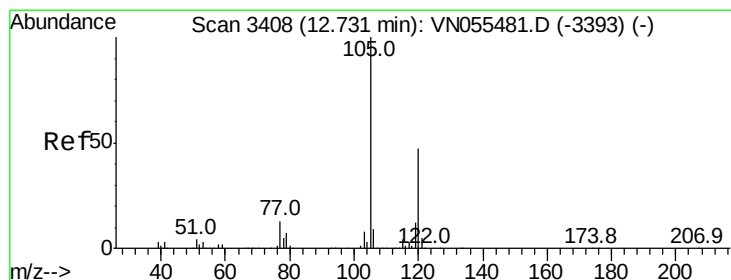
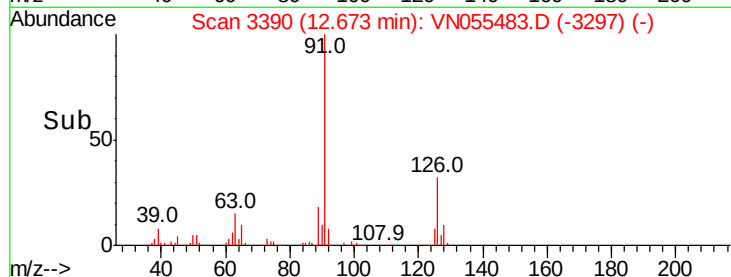
1500000

1000000

500000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 45.395 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055483.D

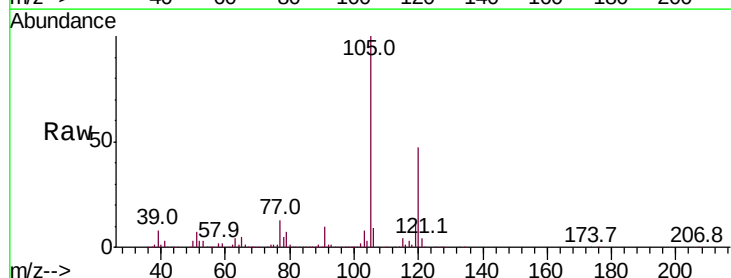
Acq: 8 May 2019 19:30

Tgt Ion:105 Resp: 1752116

Ion Ratio Lower Upper

105 100

120 46.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055483.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN055483.D (-3408) (-)

1200000

1000000

800000

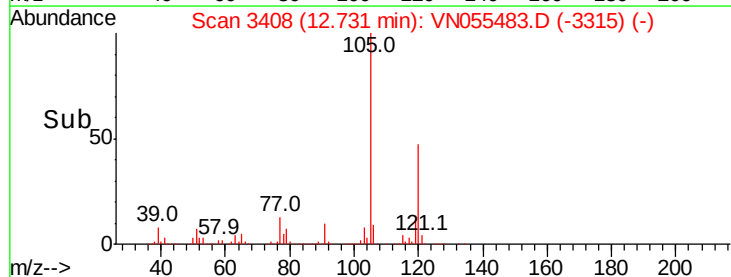
600000

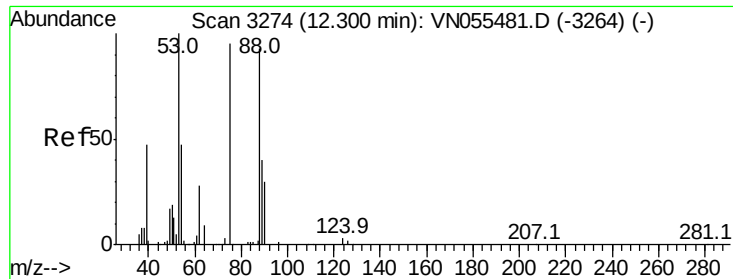
400000

200000

0

Time--> 12.70 12.80





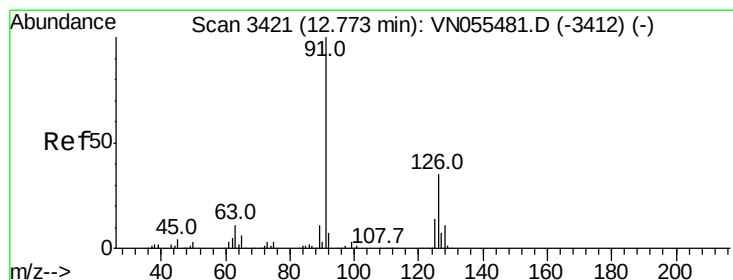
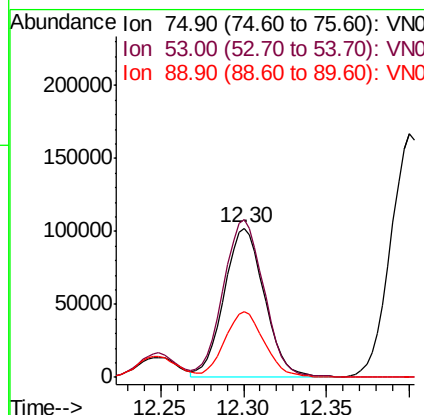
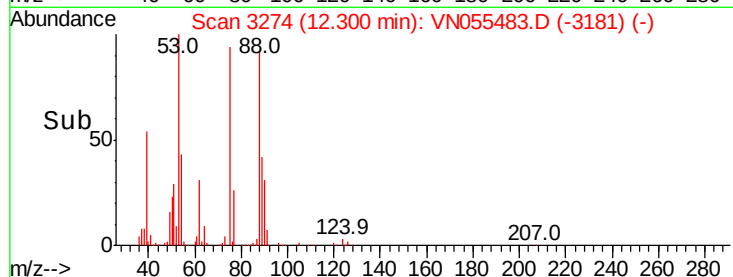
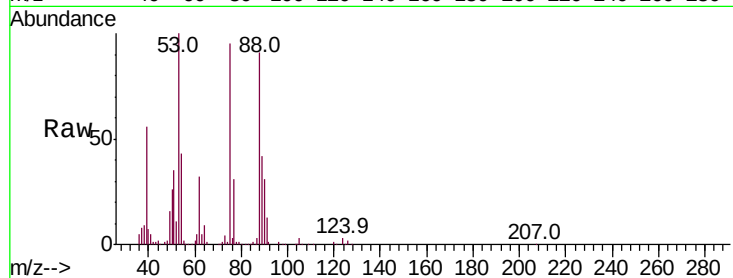
#81
trans-1,4-Dichloro-2-butene
Concen: 48.100 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN050819

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.2	86.5	129.7
89	43.8	35.7	53.5

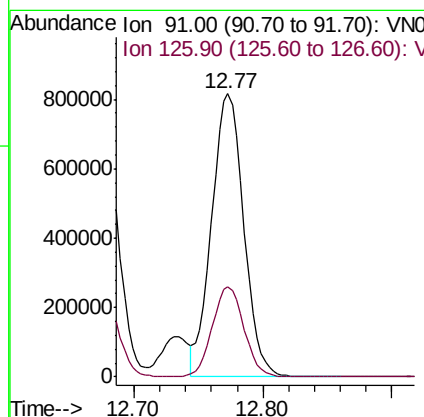
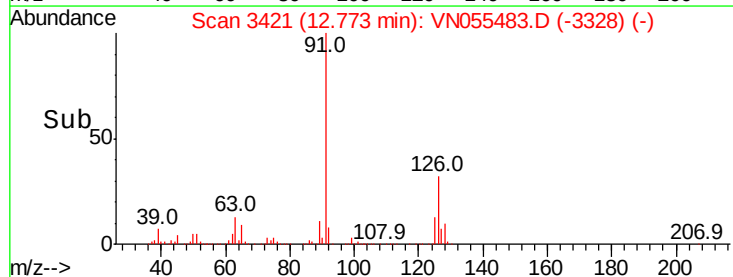
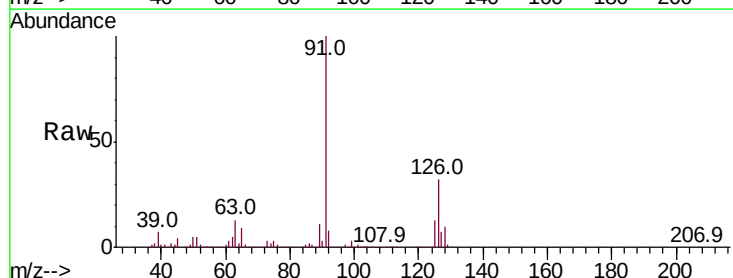
Manual Integrations
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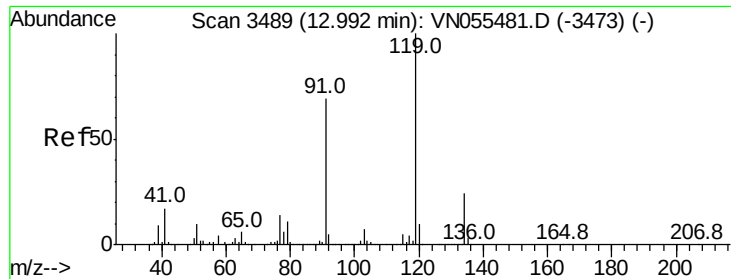
MMDadoda
5/9/2019 6:33:10 PM



#82
4-Chlorotoluene
Concen: 46.170 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.0





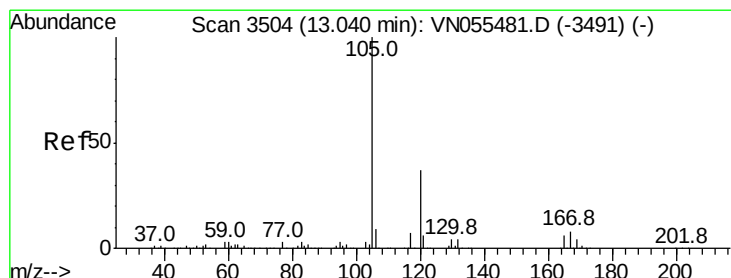
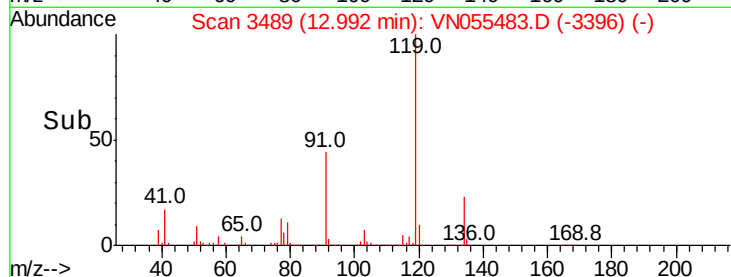
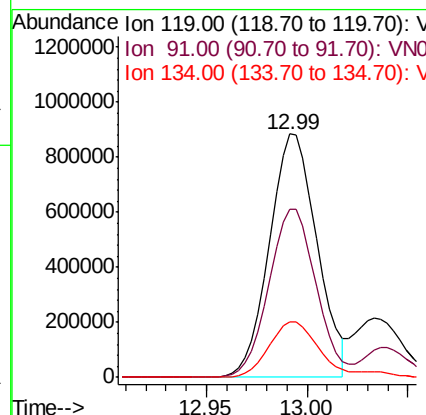
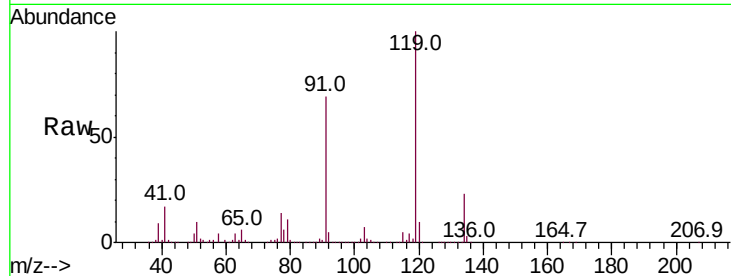
#83
 tert-Butylbenzene
 Concen: 43.756 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055483.D
 Acq: 8 May 2019 19:30

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN050819

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	33.8	101.3
134	23.7	12.5	37.5

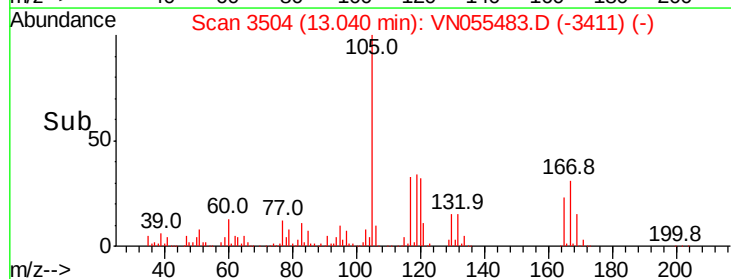
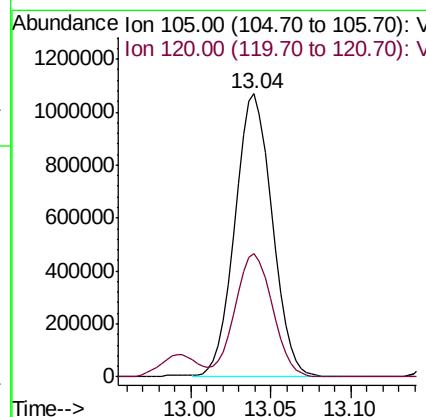
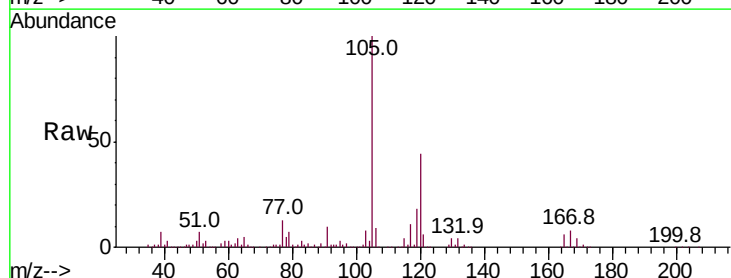
Manual Integrations
 APPROVED

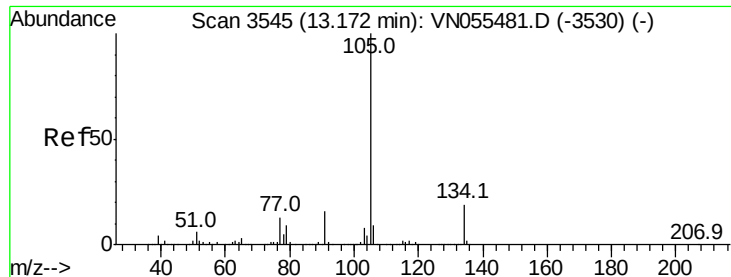
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.931 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055483.D
 Acq: 8 May 2019 19:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5





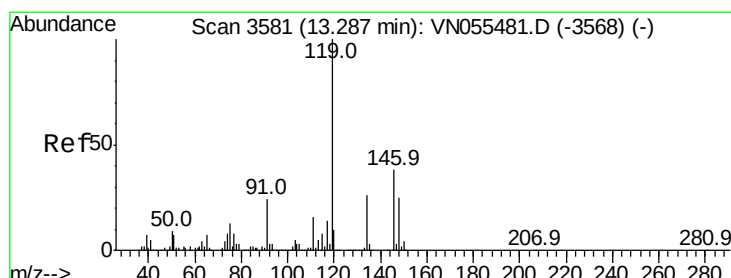
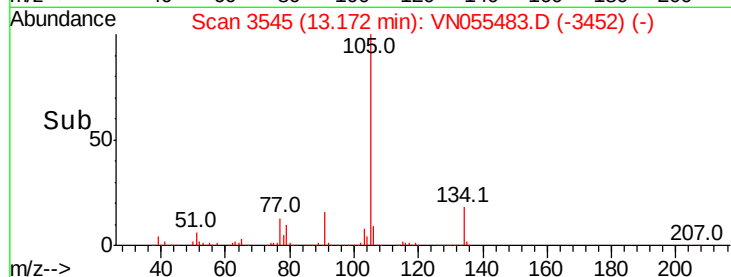
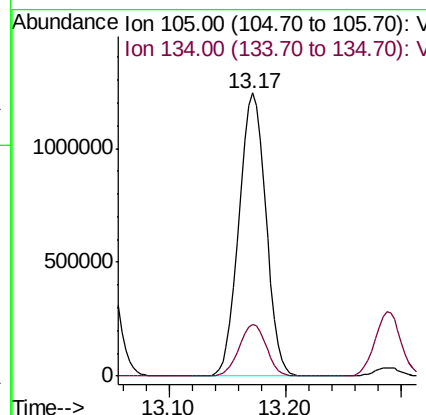
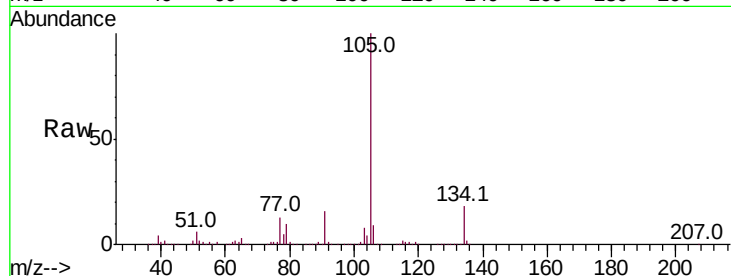
#85
 sec-Butylbenzene
 Concen: 45.227 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055483.D
 Acq: 8 May 2019 19:30

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN050819

Tot Ion:105 Resp: 1988561
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.3 28.0

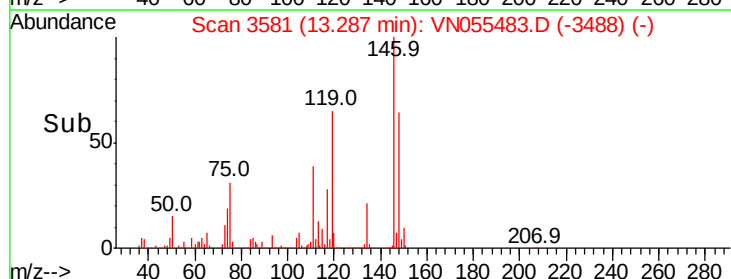
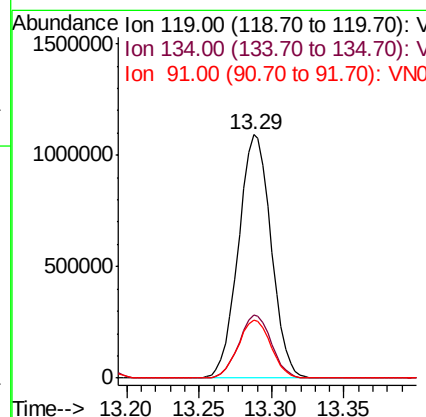
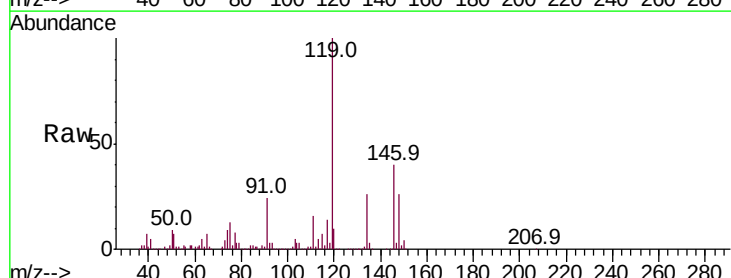
Manual Integrations
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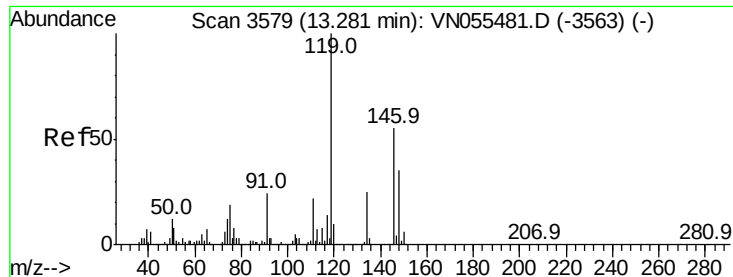
MMDadoda
 5/9/2019 6:33:10 PM



#86
 p-Isopropyltoluene
 Concen: 47.680 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055483.D
 Acq: 8 May 2019 19:30

Tgt Ion:119 Resp: 1706147
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.4
 91 23.9 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 48.997 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

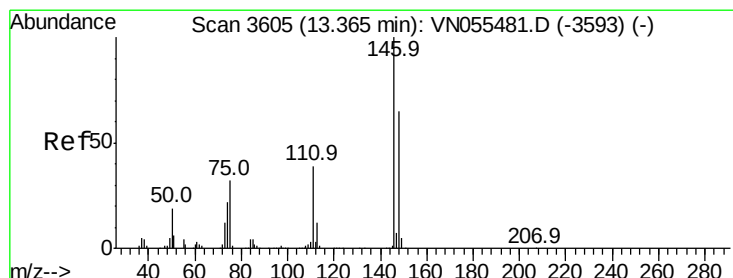
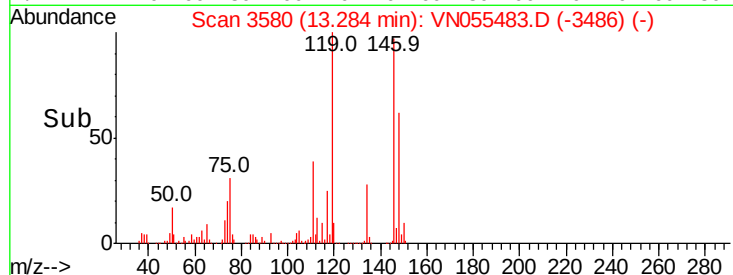
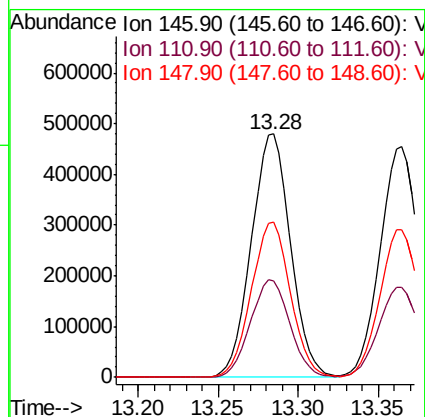
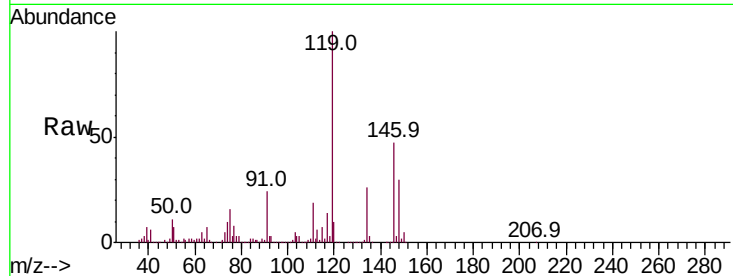
ClientSampleId :

ICVVN050819

Tot Ion:	146	Resp:	805255
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.4	61.3
148	63.7	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.687 ug/l

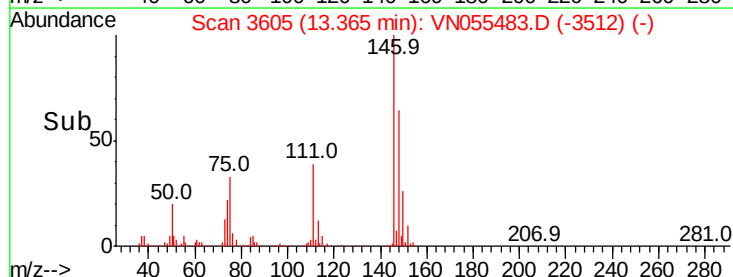
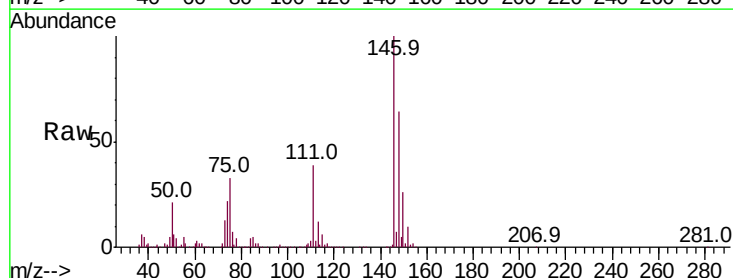
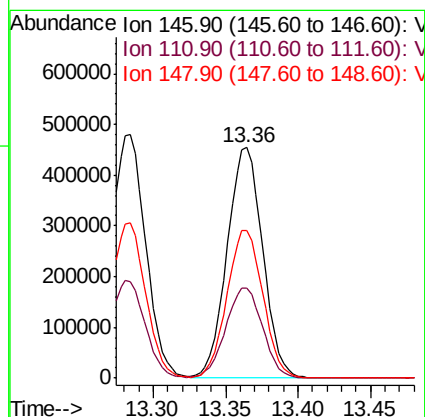
RT: 13.36 min Scan# 3605

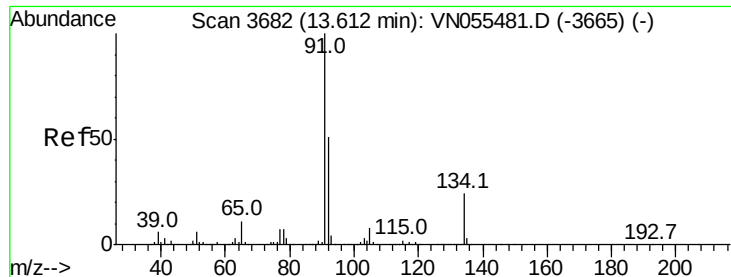
Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Tgt Ion:	146	Resp:	773443
Ion Ratio	Lower	Upper	
146	100		
111	40.6	19.6	58.8
148	65.0	32.5	97.4





#89

n-Butylbenzene

Concen: 50.805 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN050819

Tot Ion: 91 Resp: 1409150

Ion Ratio Lower Upper

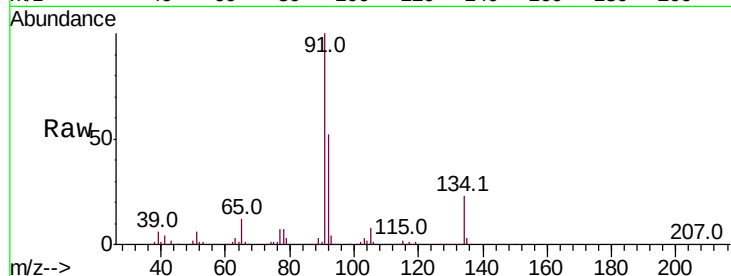
91 100

92 52.3 25.9 77.7

134 23.4 11.8 35.4

Manual Integrations
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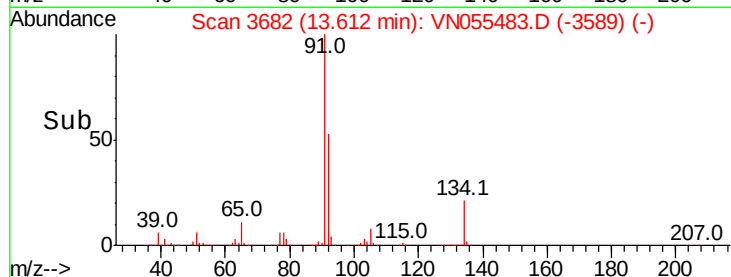


Abundance Ion 91.00 (90.70 to 91.70): VN055483.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN055483.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN055483.D (-3682) (-)

Time-->

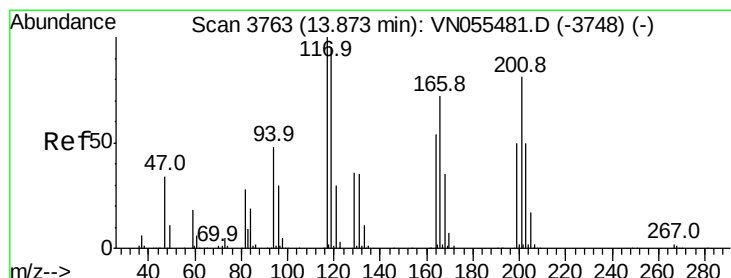


Abundance Ion 91.00 (90.70 to 91.70): VN055483.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN055483.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN055483.D (-3682) (-)

Time-->



#90

Hexachloroethane

Concen: 46.150 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055483.D

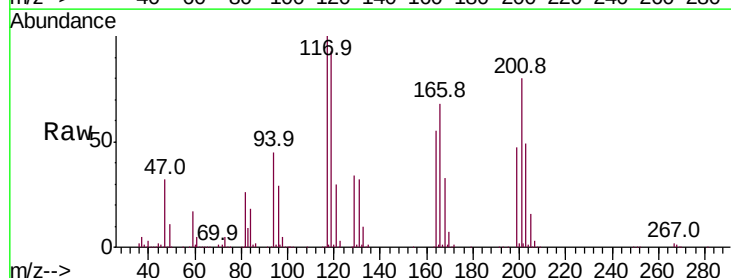
Acq: 8 May 2019 19:30

Tgt Ion: 117 Resp: 269384

Ion Ratio Lower Upper

117 100

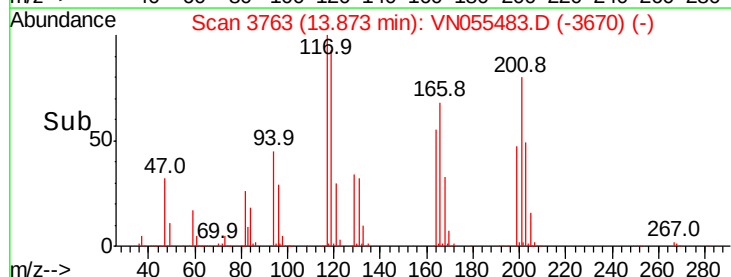
201 79.6 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): VN055483.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN055483.D (-3763) (-)

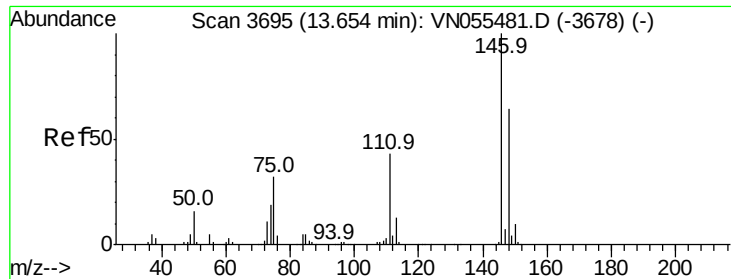
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN055483.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN055483.D (-3763) (-)

Time-->



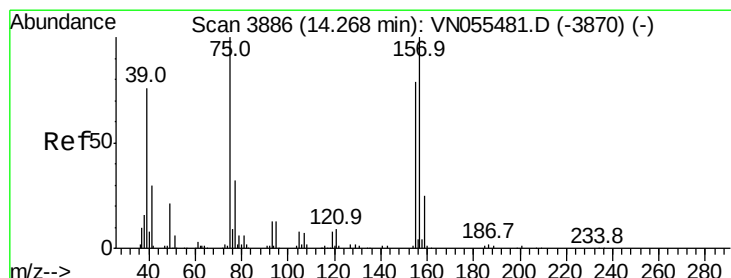
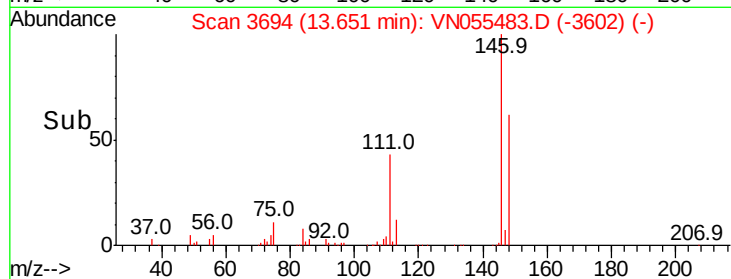
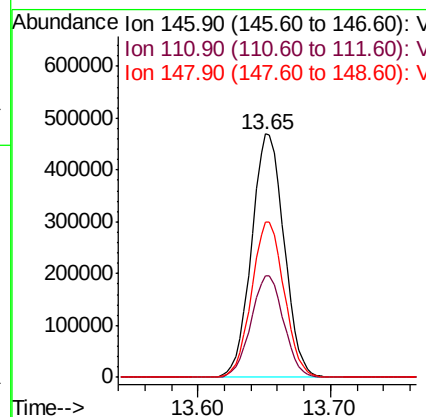
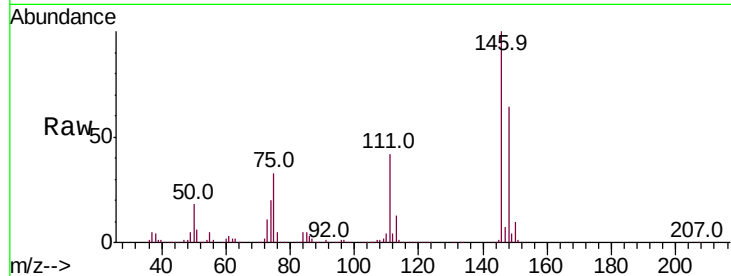
#91
 1,2-Dichlorobenzene
 Concen: 48.806 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055483.D
 Acq: 8 May 2019 19:30

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN050819

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.7
148	63.9	31.9	95.9

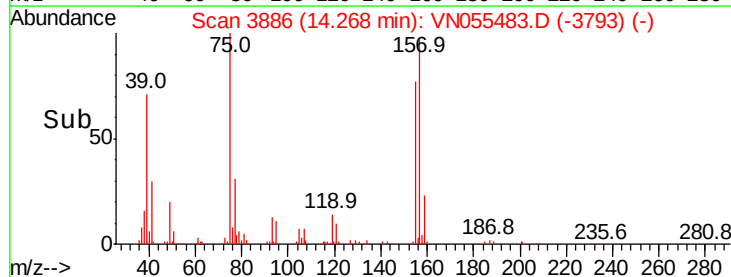
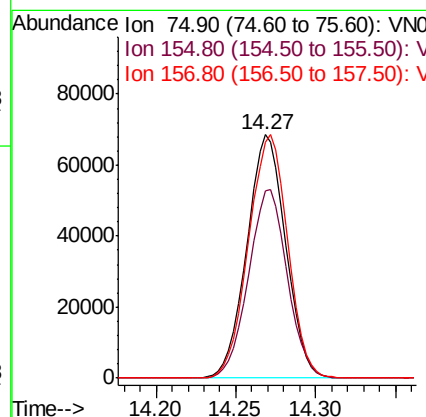
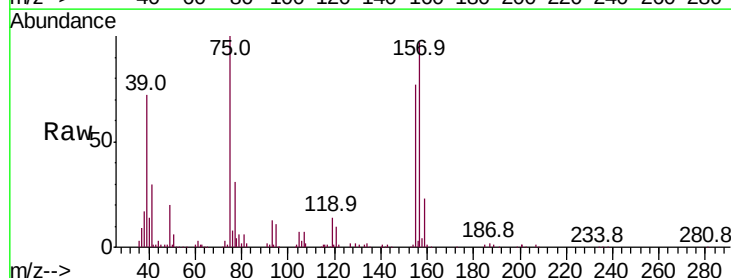
Manual Integrations
 APPROVED

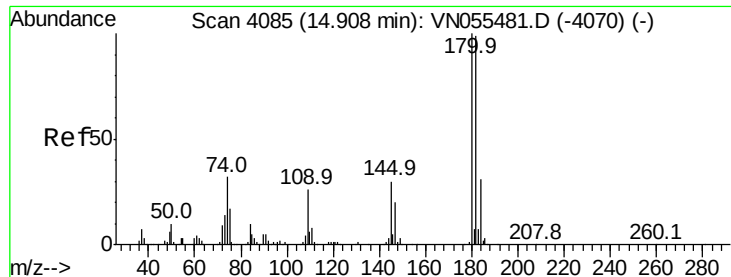
MMDadoda
 5/9/2019 6:33:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.041 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055483.D
 Acq: 8 May 2019 19:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.5	39.3	117.8
157	101.2	50.6	151.8





#93

1,2,4-Trichlorobenzene

Concen: 48.325 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Instrument :

MSVOA_N

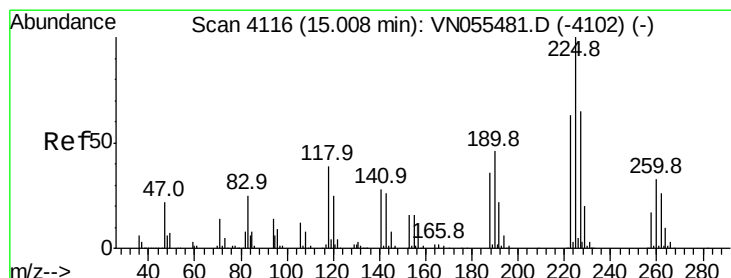
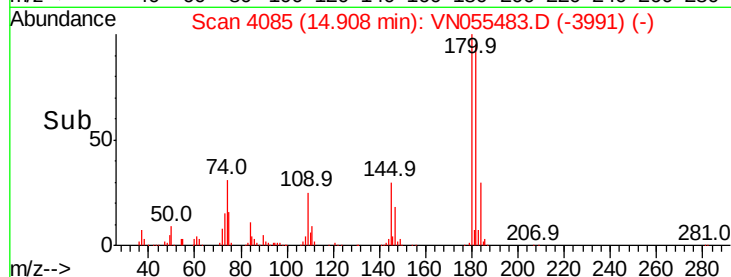
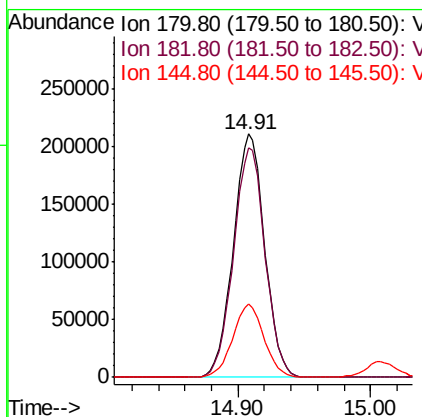
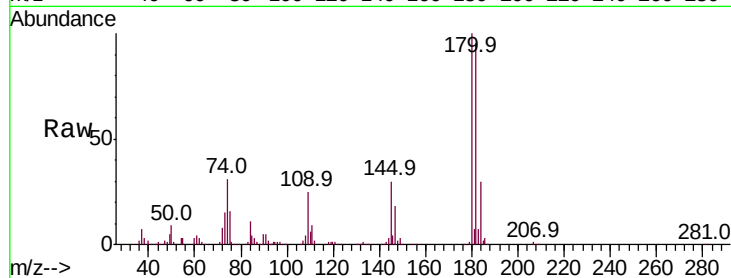
ClientSampled :

ICVVN050819

Tot Ion:	180	Resp:	344789
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.7	146.1
145	30.1	15.3	45.9

Manual Integrations
APPROVED

MMDadoda
5/9/2019 6:33:10 PM



#94

Hexachlorobutadiene

Concen: 51.924 ug/l

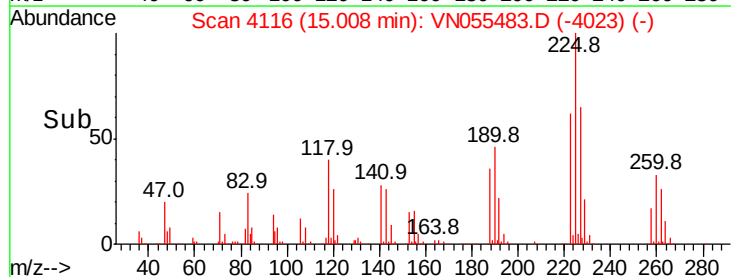
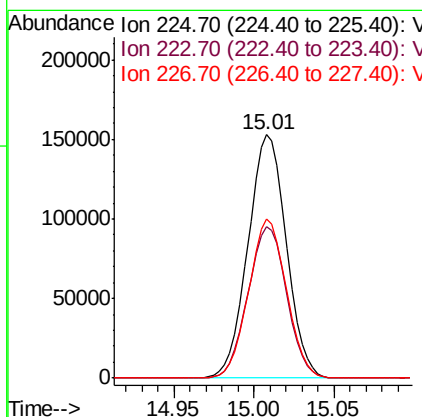
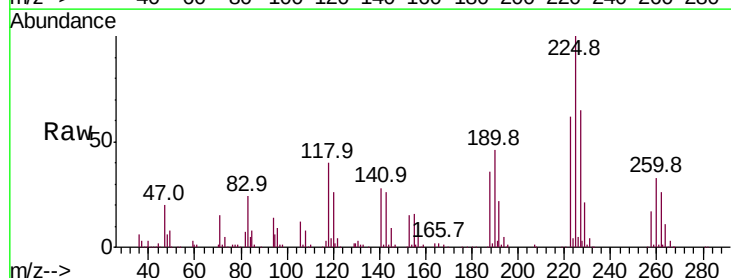
RT: 15.01 min Scan# 4116

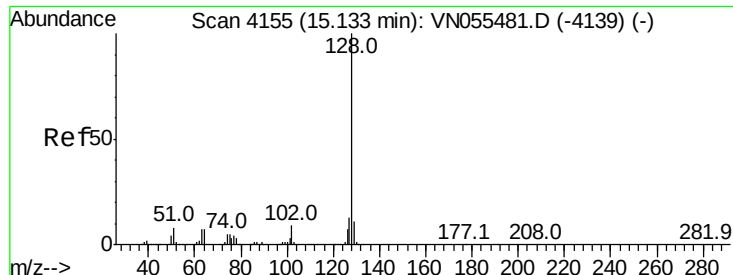
Delta R.T. 0.00 min

Lab File: VN055483.D

Acq: 8 May 2019 19:30

Tgt Ion:	225	Resp:	251956
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.4	94.3
227	64.4	32.0	96.0





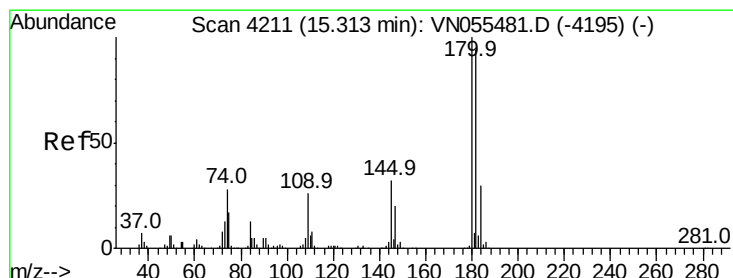
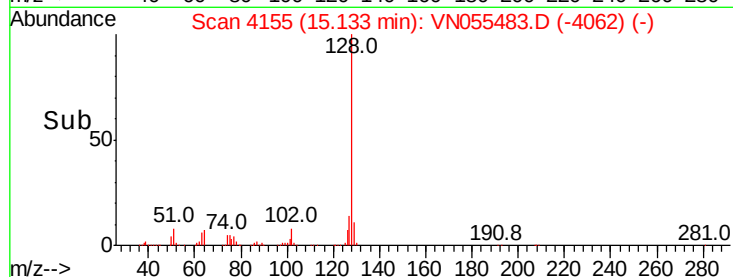
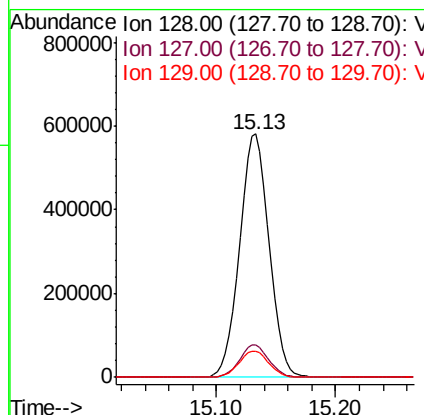
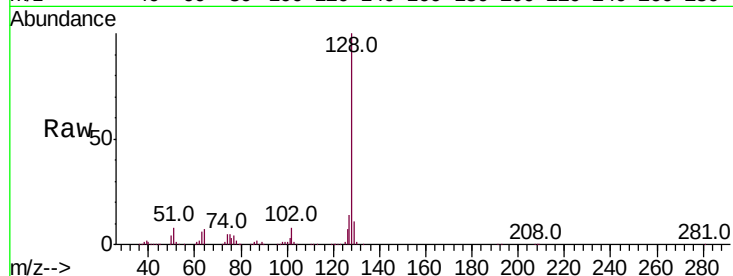
#95
Naphthalene
Concen: 49.469 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN050819

Tot Ion	Ratio	Resp	Lower	Upper
128	100	994743		
127	13.2		10.0	15.0
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/9/2019 6:33:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.872 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055483.D
Acq: 8 May 2019 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	378041		
182	94.2		47.1	141.3
145	31.7		15.8	47.4

