

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055976.D
 Acq On : 4 Jun 2019 8:47
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 4:03:26 PM

Quant Time: Jun 04 10:52:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 10:48:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	327197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	472455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	411730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148709	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	15547	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	
35) Dibromofluoromethane	7.59	113	13557	4.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.36%	
50) Toluene-d8	10.09	98	51804	4.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.28%	
62) 4-Bromofluorobenzene	12.40	95	16267	4.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.58%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	11530	3.588 ug/l	99
3) Chloromethane	2.06	50	15623	4.405 ug/l	97
4) Vinyl Chloride	2.18	62	15568	4.376 ug/l	96
5) Bromomethane	2.53	94	12046	5.360 ug/l	98
6) Chloroethane	2.68	64	9860	4.780 ug/l	99
7) Trichlorofluoromethane	3.00	101	21588	4.753 ug/l	97
8) Diethyl Ether	3.41	74	9397	5.031 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	13721	4.973 ug/l	98
10) Methyl Iodide	3.94	142	19222	4.384 ug/l	96
11) Tert butyl alcohol	4.82	59	12932	22.874 ug/l #	88
12) 1,1-Dichloroethene	3.72	96	13739	5.002 ug/l	93
13) Acrolein	3.60	56	3990	24.470 ug/l	96
14) Allyl chloride	4.31	41	20189	4.655 ug/l	97
15) Acrylonitrile	4.99	53	33866	24.608 ug/l #	92
16) Acetone	3.82	43	37135	23.900 ug/l	98
17) Carbon Disulfide	4.04	76	27276	4.147 ug/l	97
18) Methyl Acetate	4.33	43	17278	5.067 ug/l	95
19) Methyl tert-butyl Ether	5.04	73	43086	4.921 ug/l	100
20) Methylene Chloride	4.54	84	16596	5.184 ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	14576	4.953 ug/l	95
22) Diisopropyl ether	5.95	45	43787	4.884 ug/l	95
23) Vinyl Acetate	5.89	43	159019	22.522 ug/l	100
24) 1,1-Dichloroethane	5.84	63	26274	5.080 ug/l	100
25) 2-Butanone	6.84	43	46392	23.631 ug/l	99
26) 2,2-Dichloropropane	6.82	77	19374	4.801 ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	17467	5.049 ug/l	96
28) Bromochloromethane	7.19	49	11585	4.737 ug/l #	96
29) Tetrahydrofuran	7.22	42	30313	24.980 ug/l	98
30) Chloroform	7.37	83	26101	5.017 ug/l	96
31) Cyclohexane	7.65	56	28652	5.558 ug/l #	73
32) 1,1,1-Trichloroethane	7.57	97	20955	4.823 ug/l	99
36) 1,1-Dichloropropene	7.79	75	19702	4.850 ug/l	97
37) Ethyl Acetate	6.93	43	16765	4.638 ug/l	99
38) Carbon Tetrachloride	7.77	117	17264	4.609 ug/l	93

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 ALS Vial : 3 Sample Multiplier: 1

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 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 10:48:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	24711	4.883	ug/l	98
40) Benzene	8.04	78	60929	4.938	ug/l	99
41) Methacrylonitrile	7.18	41	7516	4.519	ug/l #	81
42) 1,2-Dichloroethane	8.12	62	20365	5.131	ug/l	95
43) Isopropyl Acetate	8.17	43	27152	4.636	ug/l #	90
44) Trichloroethene	8.83	130	17650	4.978	ug/l	95
45) 1,2-Dichloropropane	9.12	63	15264	4.830	ug/l	95
46) Dibromomethane	9.21	93	10265	4.967	ug/l	100
47) Bromodichloromethane	9.40	83	16884	4.508	ug/l #	96
48) Methyl methacrylate	9.20	41	13885	4.845	ug/l	99
49) 1,4-Dioxane	9.21	88	6064	98.021	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	87927	24.005	ug/l	100
52) Toluene	10.15	92	37785	4.921	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	16233	4.177	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	19876	4.415	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	15041	4.946	ug/l	97
56) Ethyl methacrylate	10.43	69	20399	4.598	ug/l	96
57) 1,3-Dichloropropane	10.71	76	23758	4.805	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	33427	21.463	ug/l	99
59) 2-Hexanone	10.75	43	62151	23.411	ug/l	100
60) Dibromochloromethane	10.90	129	12168	4.138	ug/l	96
61) 1,2-Dibromoethane	11.00	107	14751	4.744	ug/l	98
64) Tetrachloroethene	10.63	164	18319	5.140	ug/l	97
65) Chlorobenzene	11.43	112	40713	4.968	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	13350	4.718	ug/l	97
67) Ethyl Benzene	11.51	91	68496	4.807	ug/l	98
68) m/p-Xylenes	11.62	106	52011	9.555	ug/l	99
69) o-Xylene	11.95	106	26841	5.013	ug/l	98
70) Styrene	11.96	104	39577	4.652	ug/l	99
71) Bromoform	12.12	173	8151	3.986	ug/l #	99
73) Isopropylbenzene	12.25	105	67921	5.644	ug/l	99
74) N-amyl acetate	12.07	43	21620	5.454	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	19373	5.612	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	14701m	5.373	ug/l	
77) Bromobenzene	12.53	156	17775	5.583	ug/l	94
78) n-propylbenzene	12.59	91	67369	5.355	ug/l	99
79) 2-Chlorotoluene	12.67	91	45697	5.771	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	55653	5.566	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	3436	4.182	ug/l #	72
82) 4-Chlorotoluene	12.77	91	38448	5.224	ug/l	99
83) tert-Butylbenzene	12.99	119	50920	5.716	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	51615	5.444	ug/l	98
85) sec-Butylbenzene	13.17	105	60458	5.426	ug/l	99
86) p-Isopropyltoluene	13.29	119	52033	5.218	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	24676	5.008	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	23800	5.021	ug/l	96
89) n-Butylbenzene	13.61	91	35259	4.773	ug/l	99
90) Hexachloroethane	13.87	117	7794	5.183	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	25964	5.219	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2257	4.571	ug/l	93

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ALS Vial : 3 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :
VSTDICC005

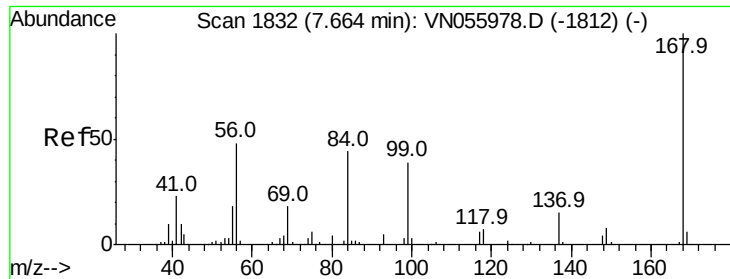
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	8381	3.673	ug/l	99
94) Hexachlorobutadiene	15.01	225	10878	5.610	ug/l	98
95) Naphthalene	15.13	128	21742	3.678	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	9857	4.056	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 327197

Ion Ratio Lower Upper

168 100

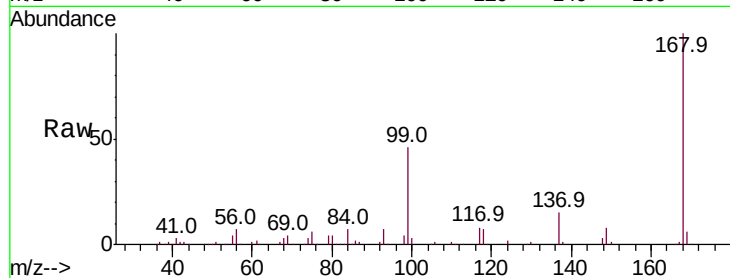
99 45.9 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

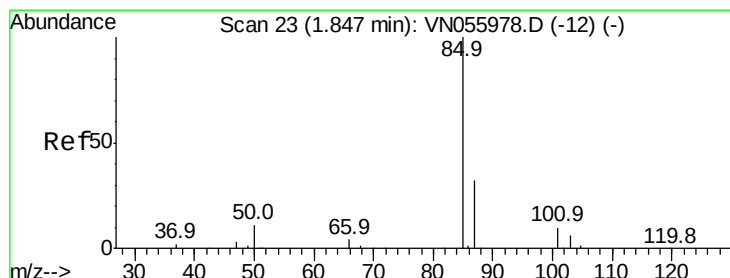
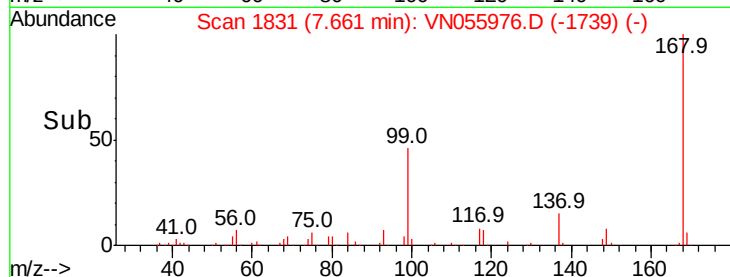
100000

50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 3.588 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055976.D

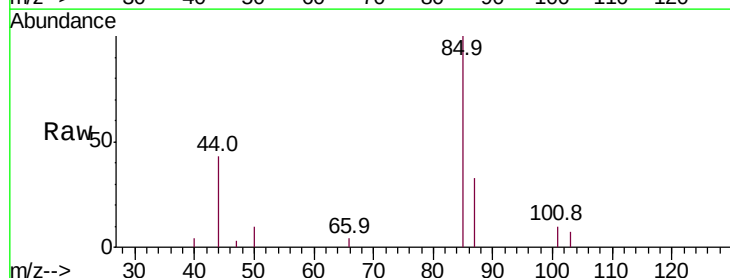
Acq: 4 Jun 2019 8:47

Tgt Ion: 85 Resp: 11530

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055978.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN055978.D (-12) (-)

1.85

8000

6000

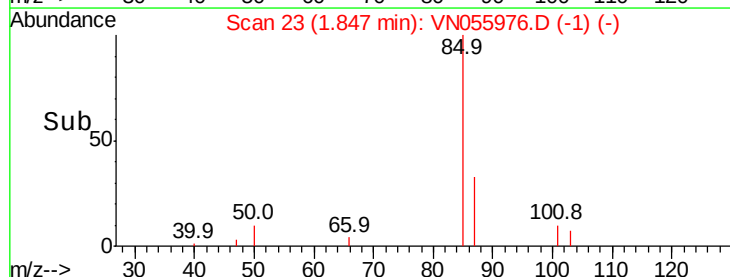
4000

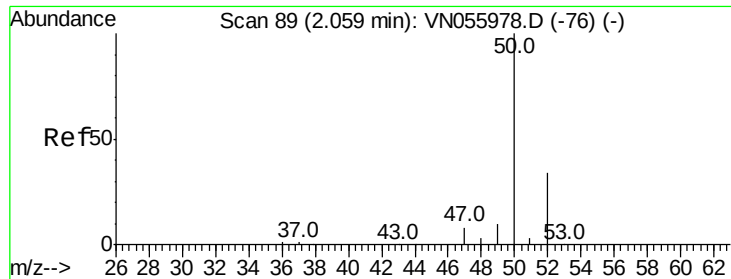
2000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 4.405 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 15623

Ion Ratio Lower Upper

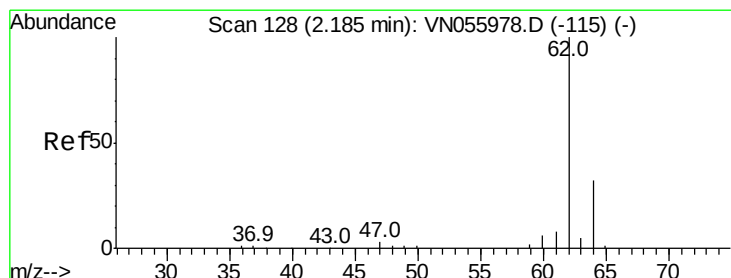
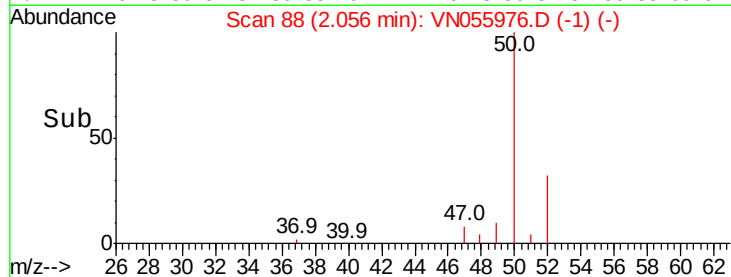
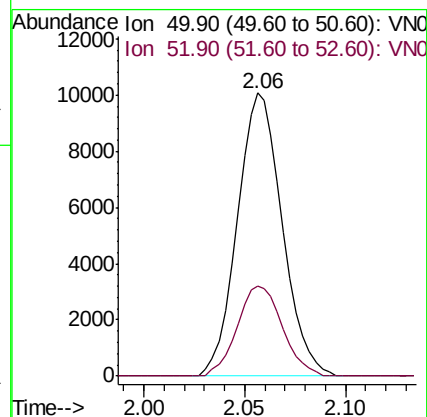
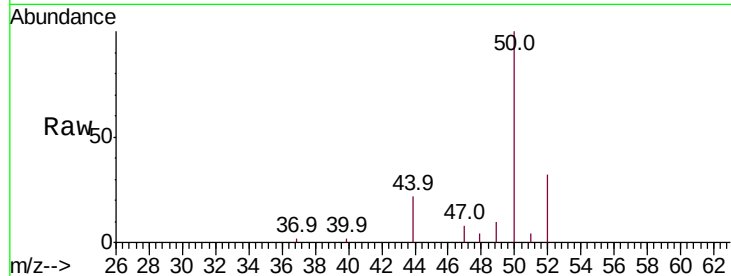
50 100

52 31.9 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 4.376 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055976.D

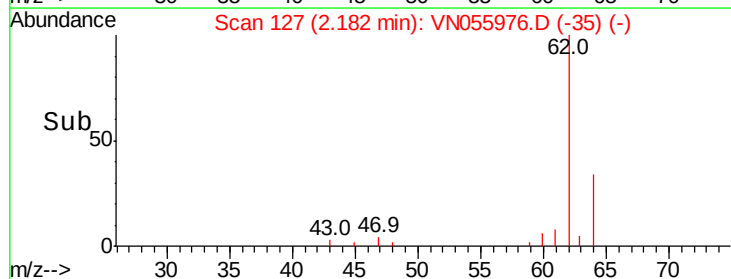
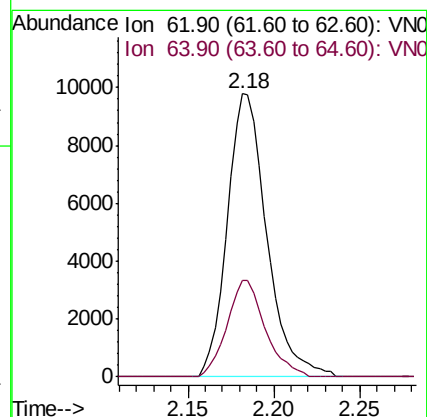
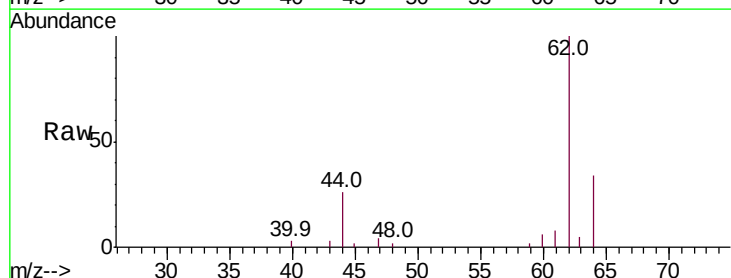
Acq: 4 Jun 2019 8:47

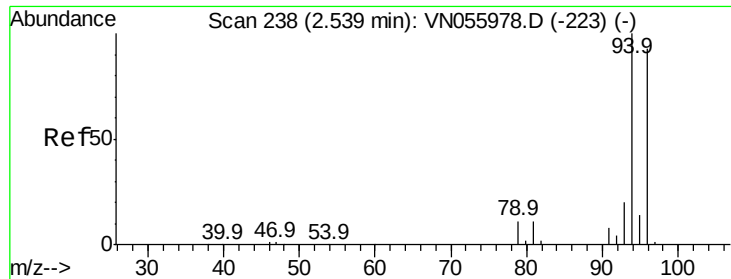
Tgt Ion: 62 Resp: 15568

Ion Ratio Lower Upper

62 100

64 34.1 25.6 38.4





#5

Bromomethane

Concen: 5.360 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 12046

Ion Ratio Lower Upper

94 100

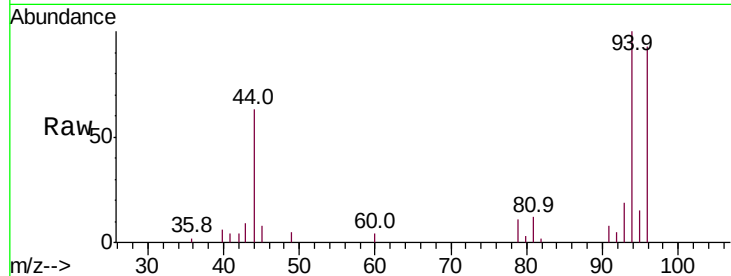
96 92.7 75.5 113.3

Manual Integrations

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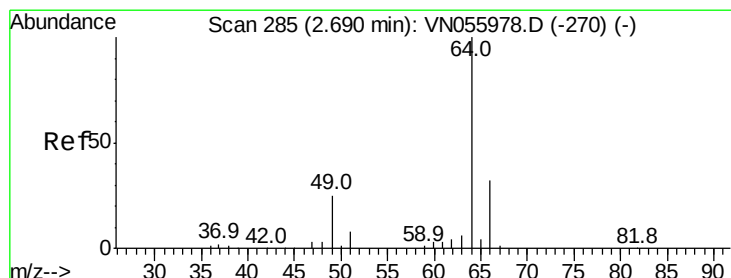
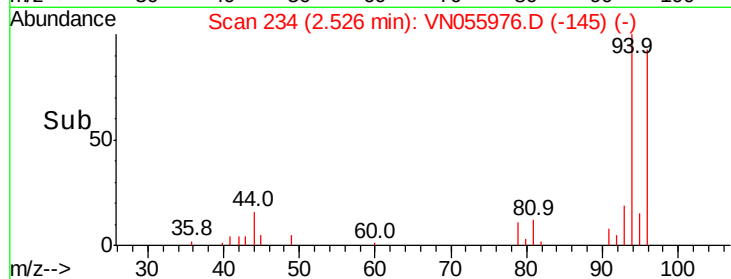
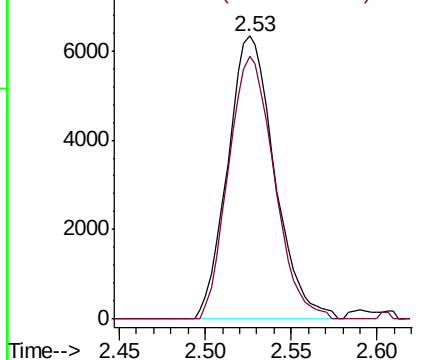
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 4.780 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN055976.D

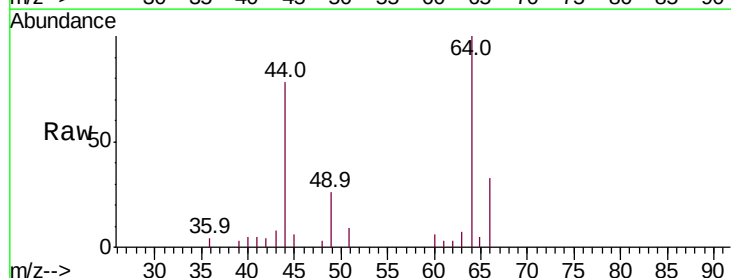
Acq: 4 Jun 2019 8:47

Tgt Ion: 64 Resp: 9860

Ion Ratio Lower Upper

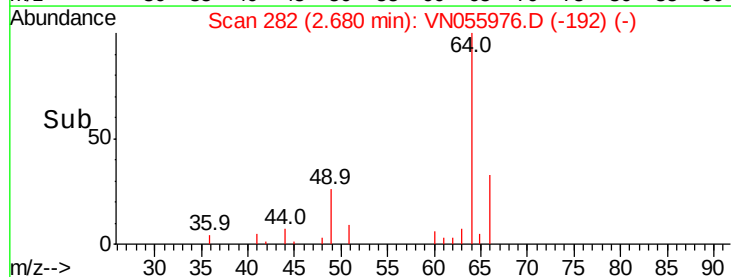
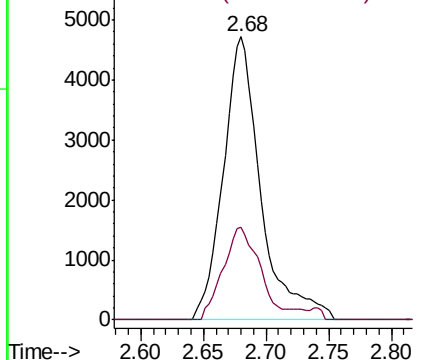
64 100

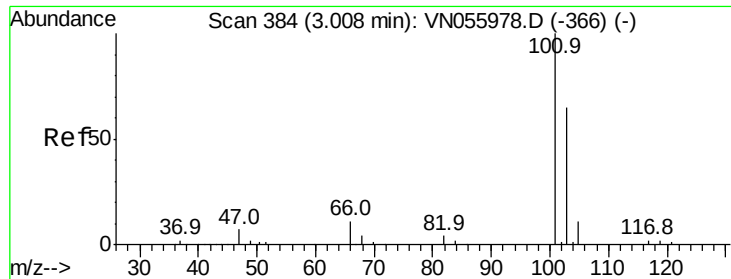
66 32.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

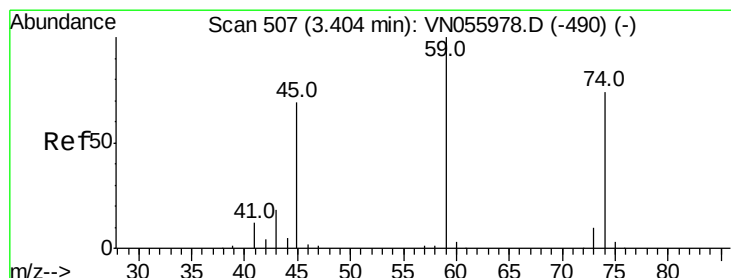
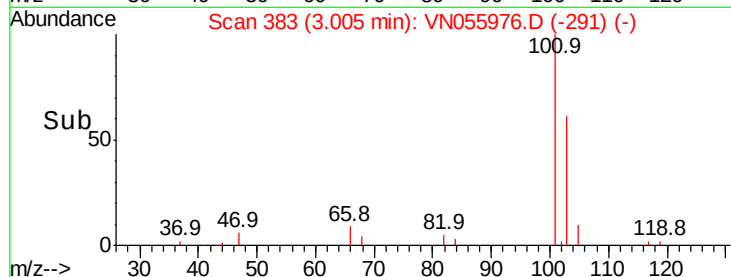
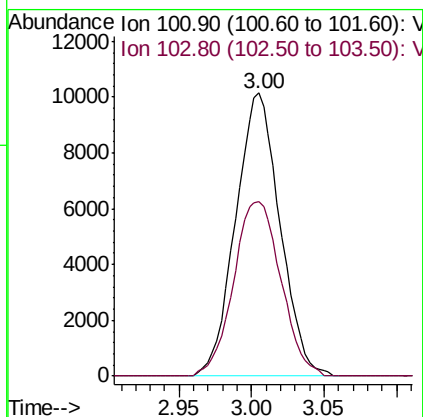
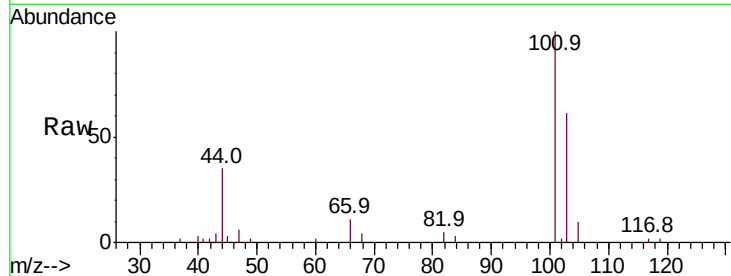
Trichlorofluoromethane
Concen: 4.753 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	51.2	76.8

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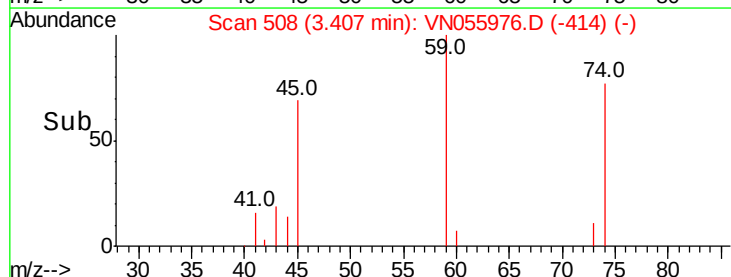
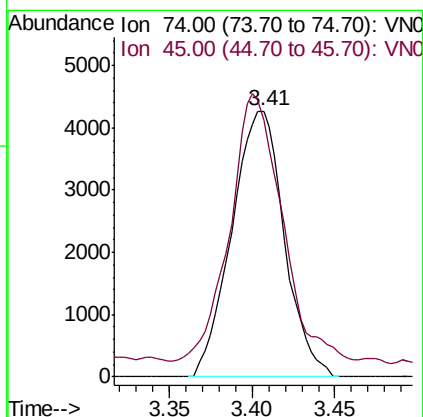
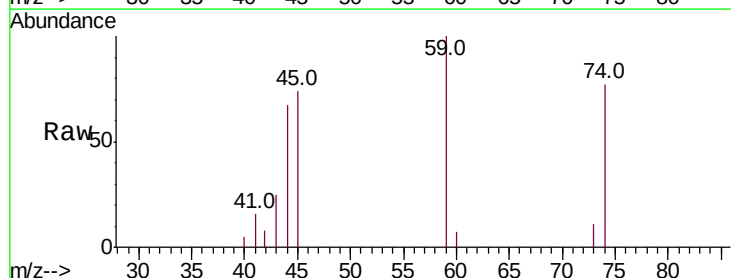
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6/5/2019 4:03:26 PM

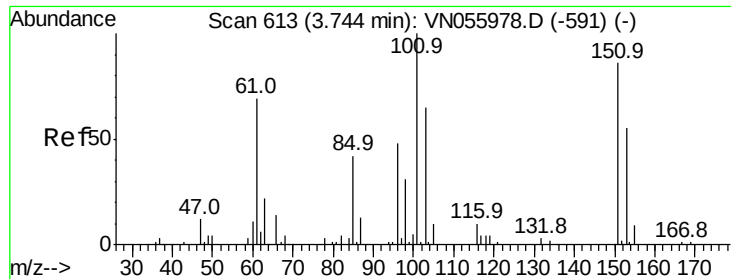


#8

Diethyl Ether
Concen: 5.031 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.973 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

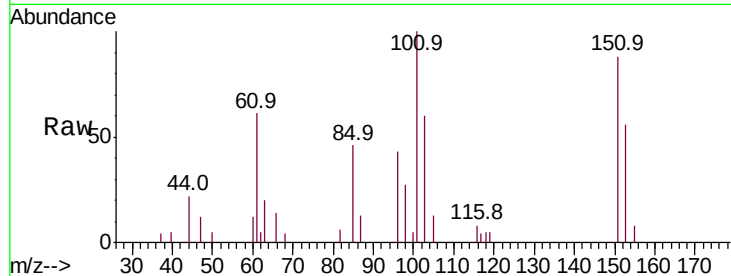
ClientSampleId :

VSTDIC005

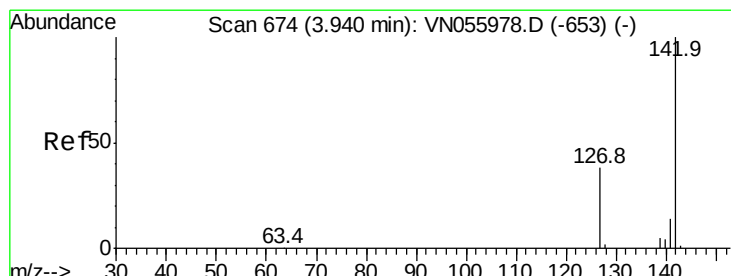
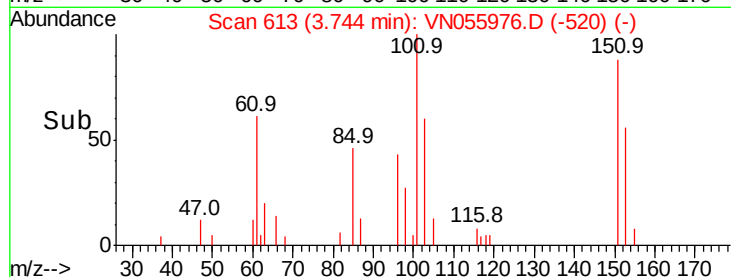
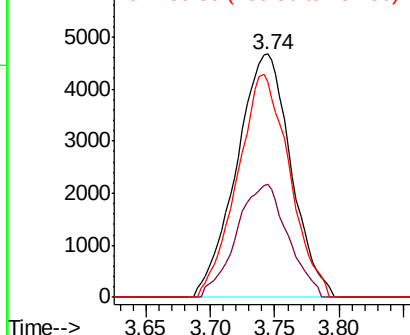
Tot Ion:	101	Resp:	13721
Ion Ratio	Lower	Upper	
101	100		
85	43.9	33.4	50.2
151	87.7	69.4	104.2

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



#10

Methyl Iodide

Concen: 4.384 ug/l

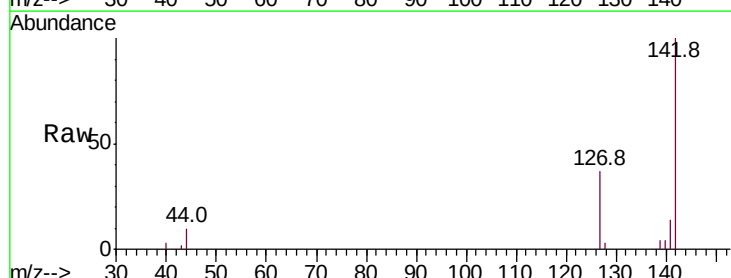
RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

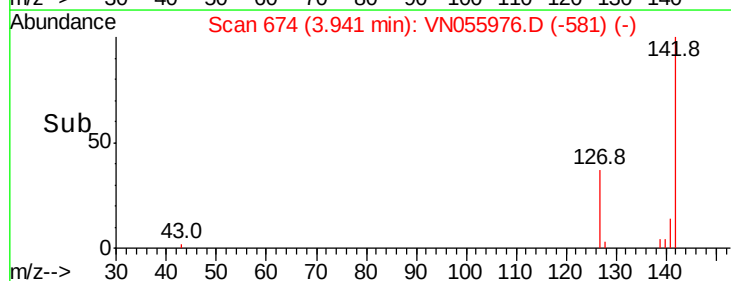
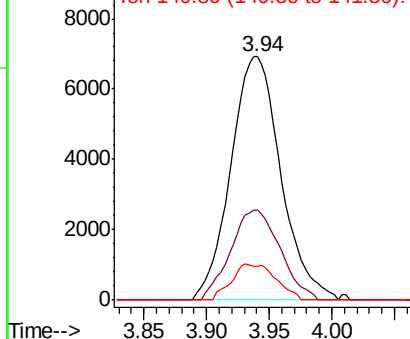
Lab File: VN055976.D

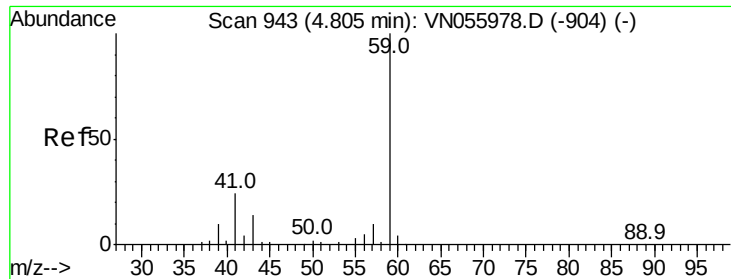
Acq: 4 Jun 2019 8:47

Tgt Ion:	142	Resp:	19222
Ion Ratio	Lower	Upper	
142	100		
127	36.4	31.0	46.4
141	13.0	11.4	17.0



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





#11

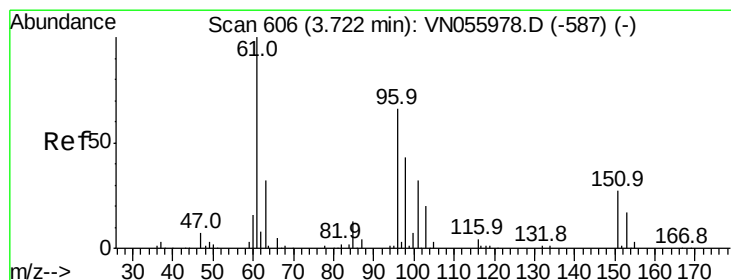
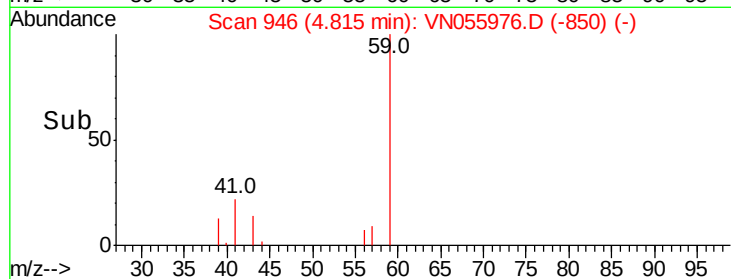
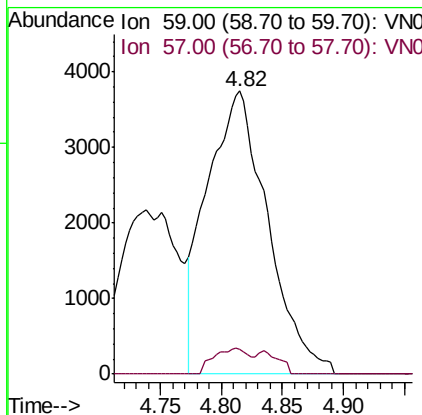
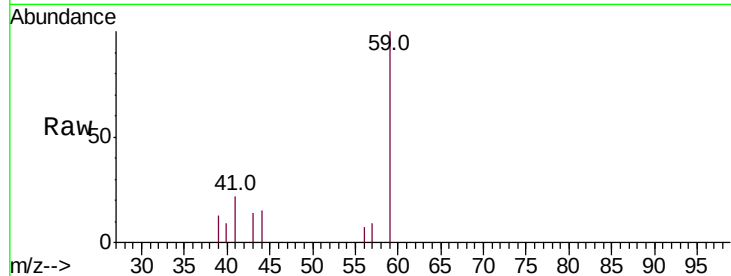
Tert butyl alcohol
Concen: 22.874 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	59	Resp	12932
Ion Ratio	100	Lower	Upper
57	5.2	7.8	11.6#

Manual Integrations
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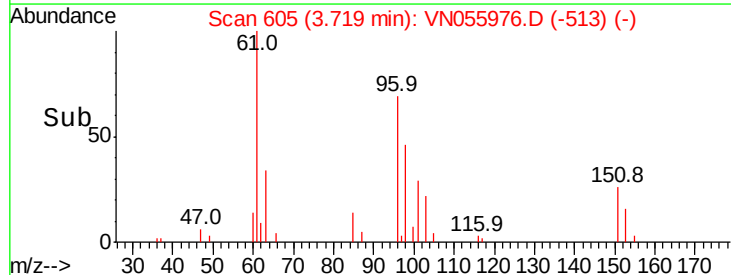
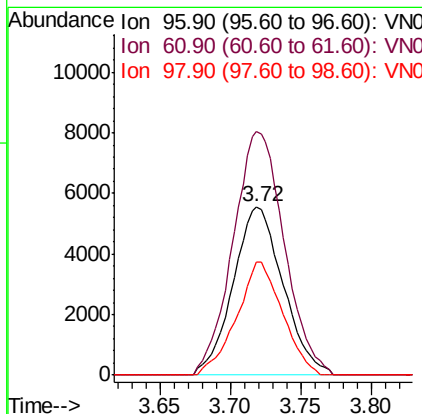
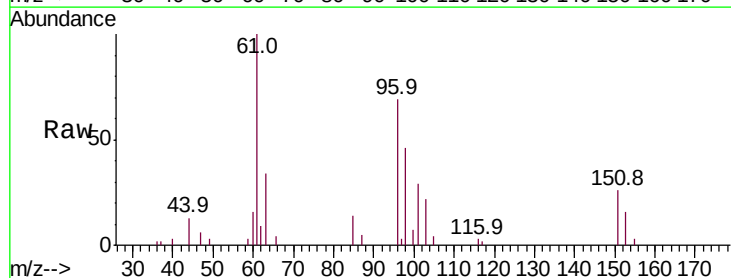
MMDadoda
6/5/2019 4:03:26 PM

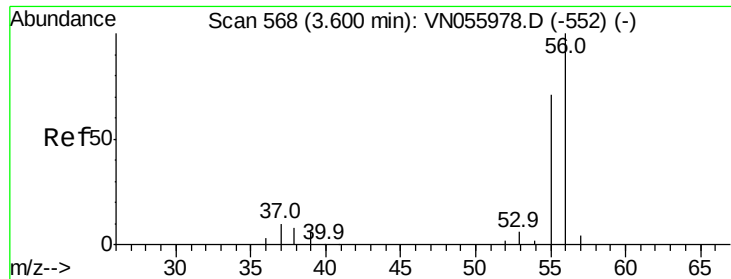


#12

1,1-Dichloroethene
Concen: 5.002 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion	96	Resp	13739
Ion Ratio	100	Lower	Upper
61	144.5	123.2	184.8
98	66.8	50.4	75.6





#13

Acrolein

Concen: 24.470 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 3990

Ion Ratio Lower Upper

56 100

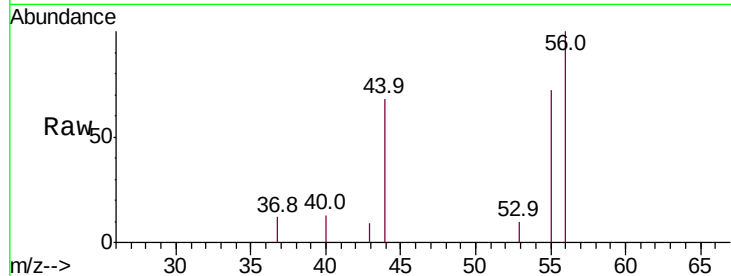
55 72.9 55.4 83.2

Manual Integrations

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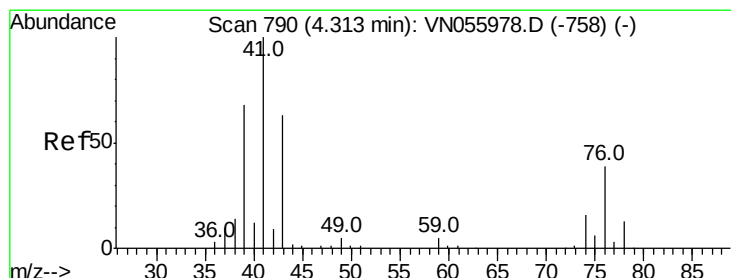
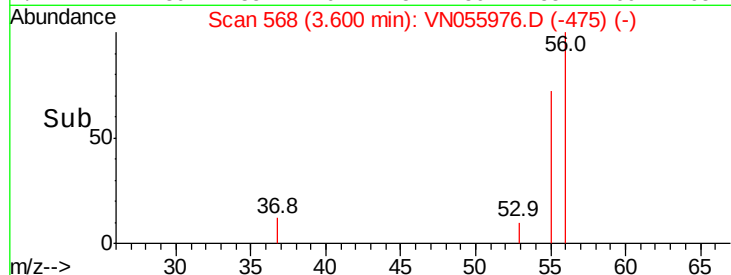
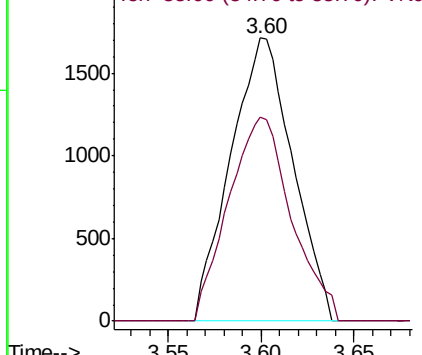
MMDadoda

6/5/2019 4:03:26 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 4.655 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

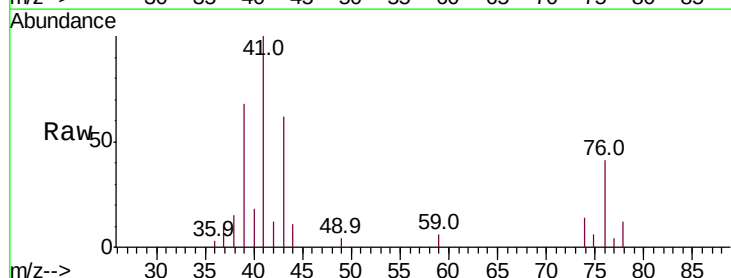
Tgt Ion: 41 Resp: 20189

Ion Ratio Lower Upper

41 100

39 63.6 50.0 75.0

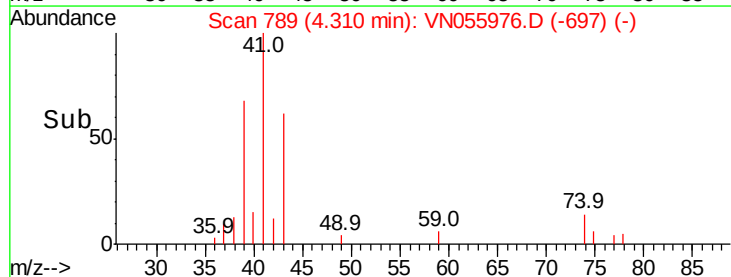
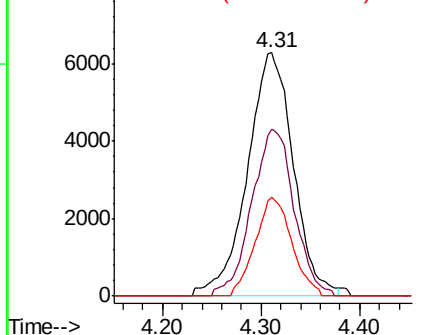
76 32.4 28.2 42.2

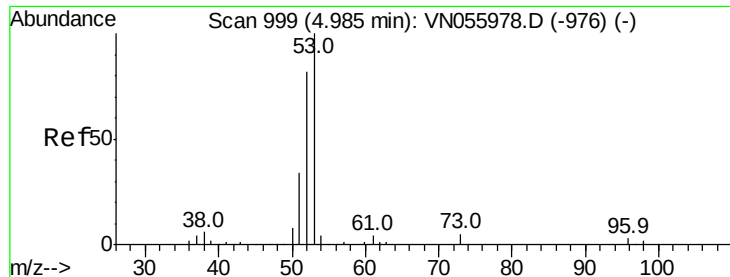


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 24.608 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

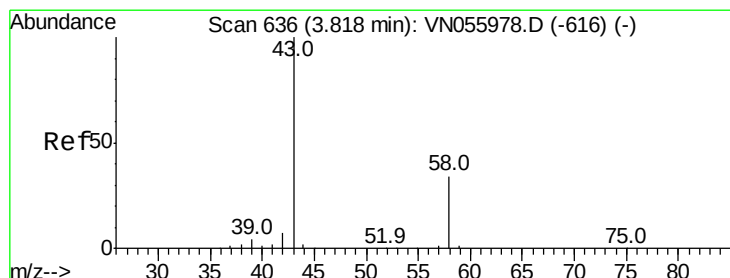
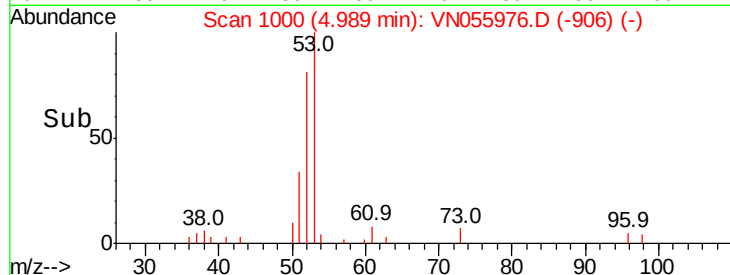
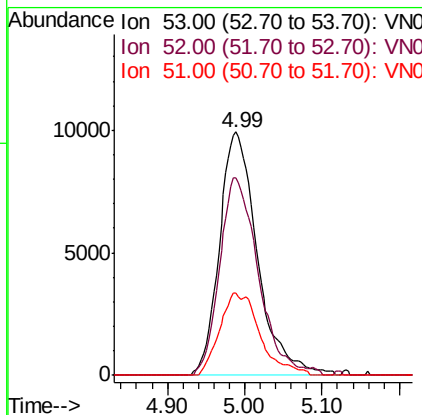
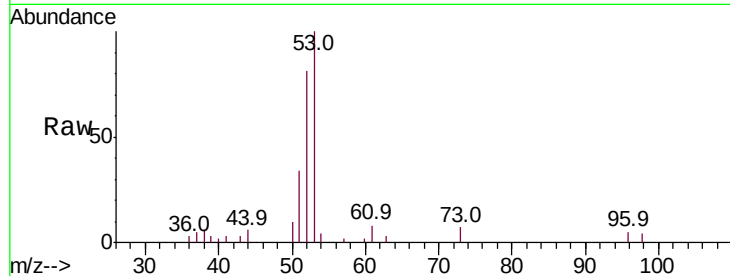
ClientSampled :

VSTDIC005

Tot Ion:	53	Resp:	33866
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.8	98.8
51	19.0	28.2	42.4#

Manual Integrations
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#16

Acetone

Concen: 23.900 ug/l

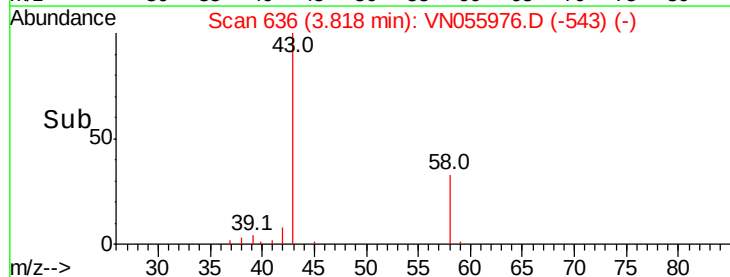
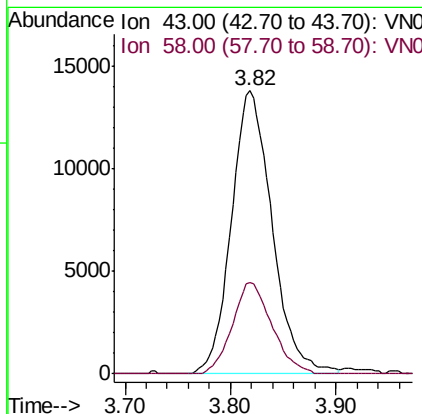
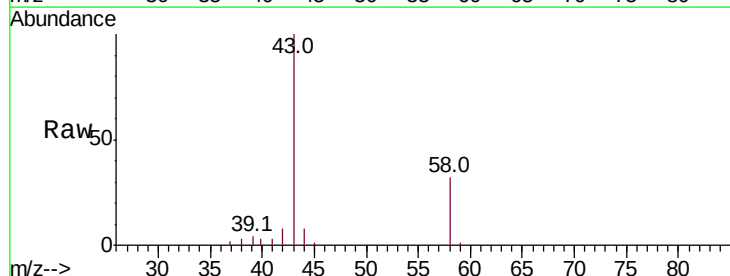
RT: 3.82 min Scan# 636

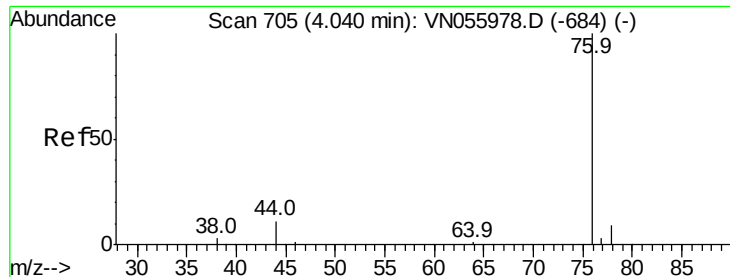
Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Tgt Ion:	43	Resp:	37135
Ion	Ratio	Lower	Upper
43	100		
58	32.3	26.6	39.8





#17

Carbon Disulfide

Concen: 4.147 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 27276

Ion Ratio Lower Upper

76 100

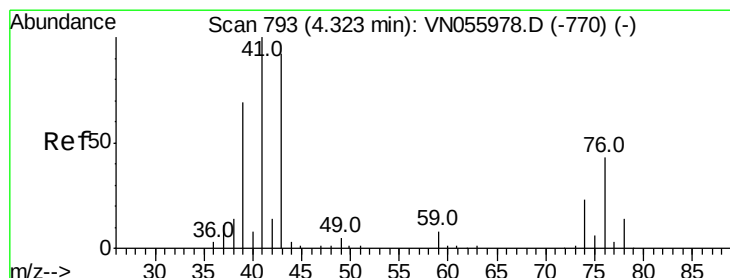
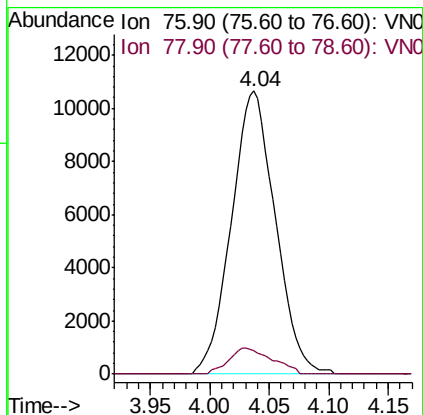
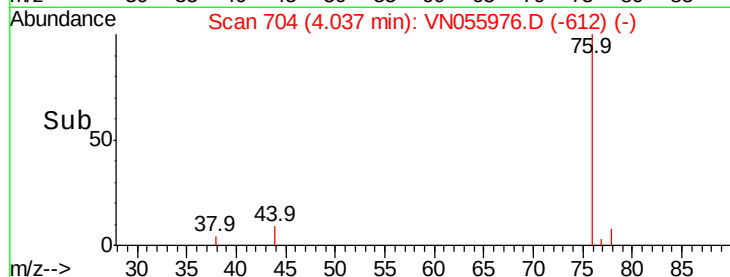
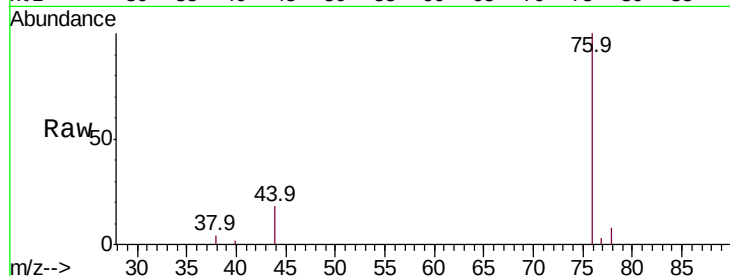
78 8.2 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 5.067 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN055976.D

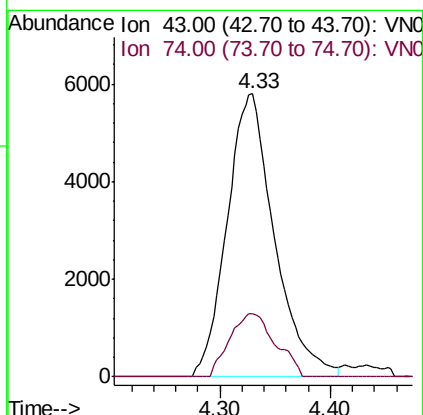
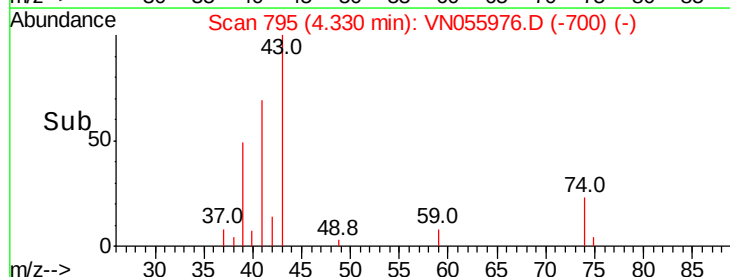
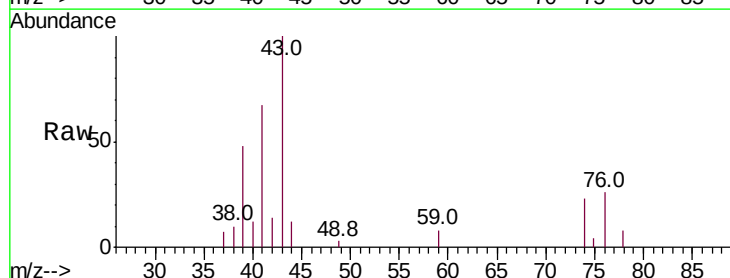
Acq: 4 Jun 2019 8:47

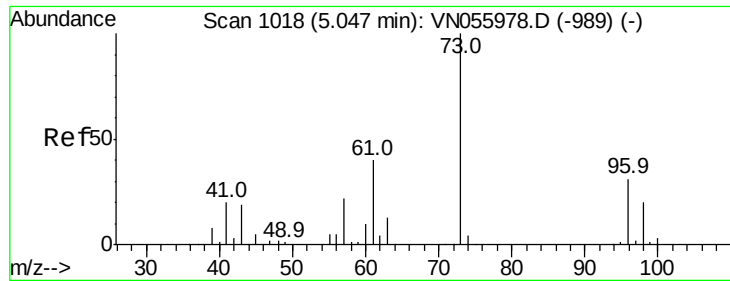
Tgt Ion: 43 Resp: 17278

Ion Ratio Lower Upper

43 100

74 21.5 19.3 28.9





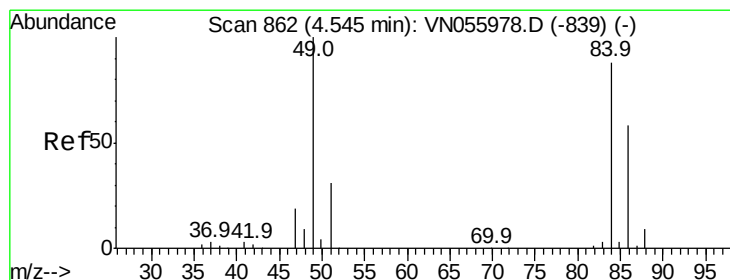
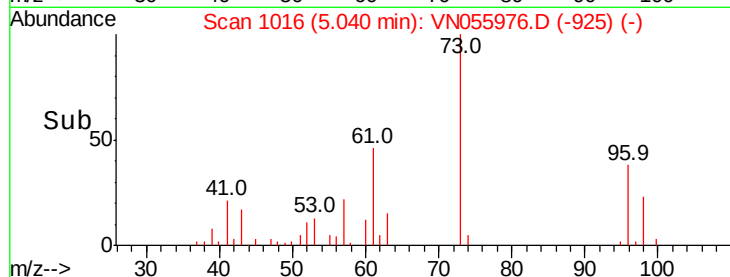
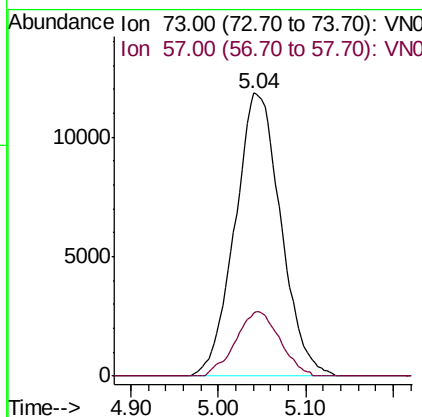
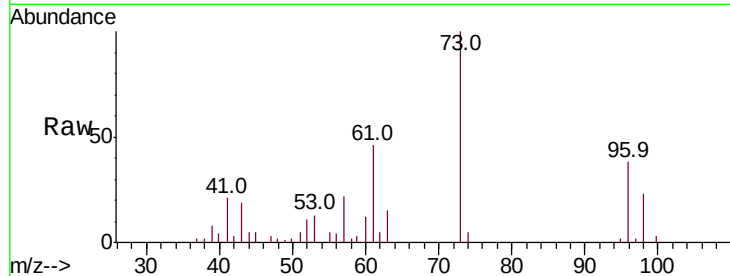
#19
Methyl tert-butyl Ether
Concen: 4.921 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 73 Resp: 43086
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8

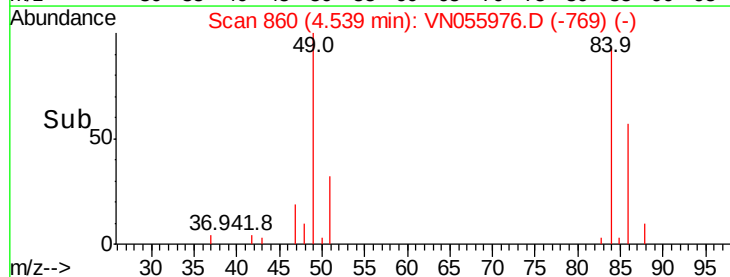
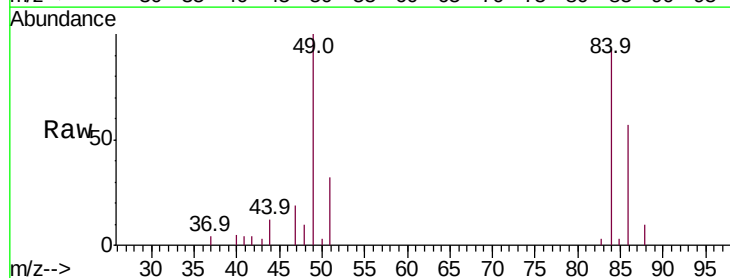
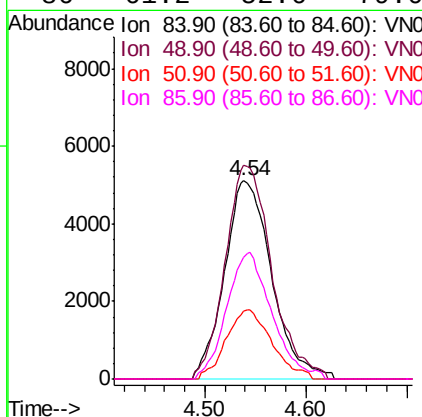
Manual Integrations
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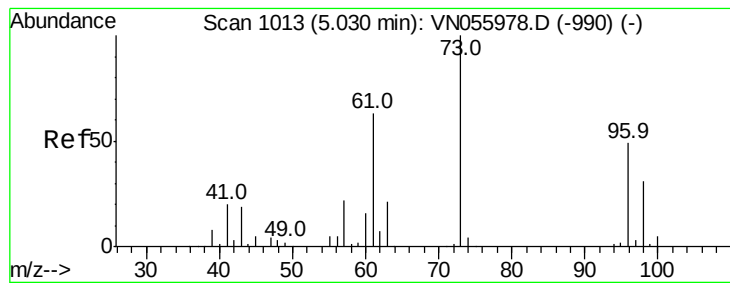
MMDadoda
6/5/2019 4:03:26 PM



#20
Methylene Chloride
Concen: 5.184 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion: 84 Resp: 16596
Ion Ratio Lower Upper
84 100
49 107.8 93.5 140.3
51 34.1 28.6 43.0
86 61.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 4.953 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 96 Resp: 14576

Ion Ratio Lower Upper

96 100

61 127.2 107.8 161.8

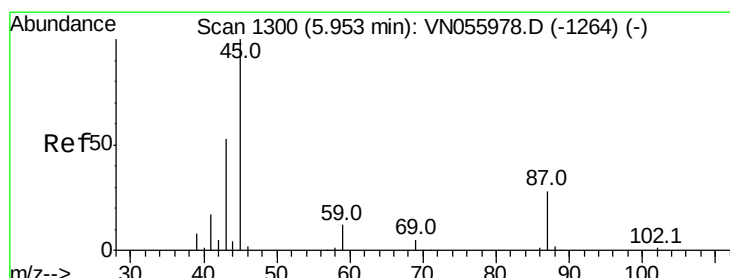
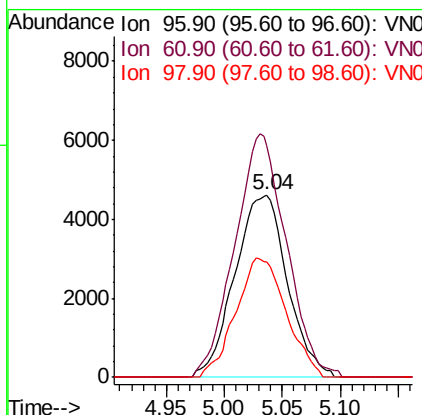
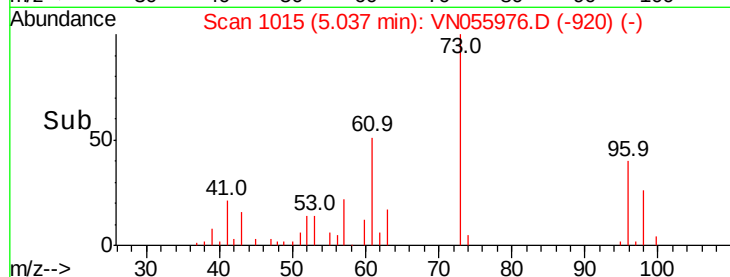
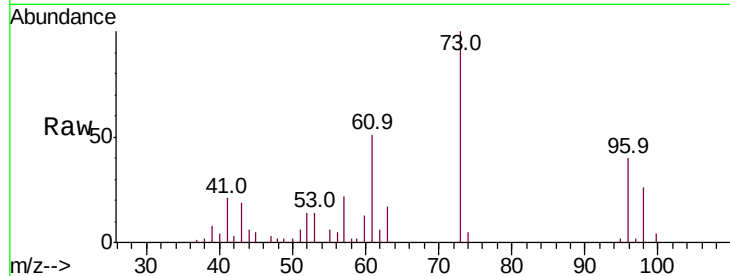
98 63.1 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 4.884 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Tgt Ion: 45 Resp: 43787

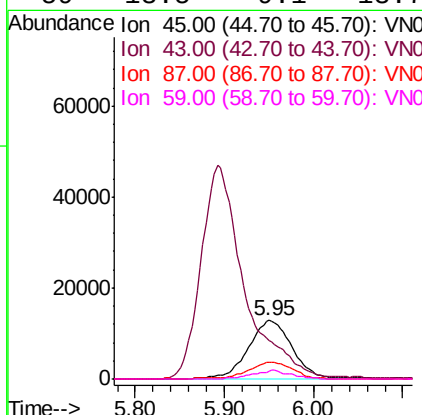
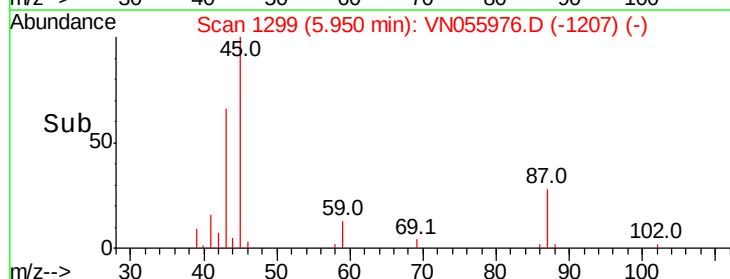
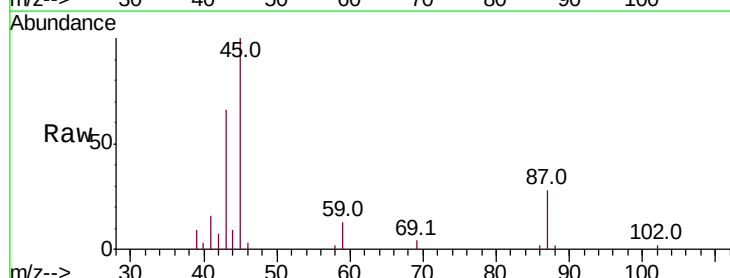
Ion Ratio Lower Upper

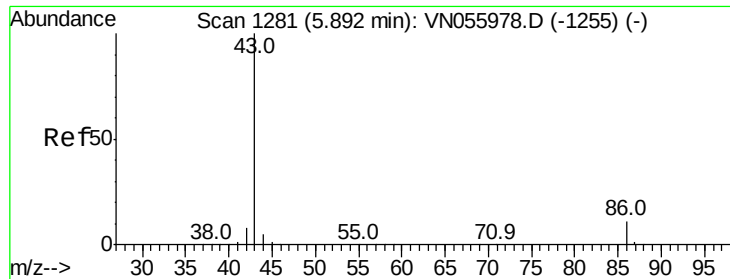
45 100

43 61.9 45.0 67.6

87 28.0 22.2 33.4

59 13.5 9.1 13.7





#23

Vinyl Acetate

Concen: 22.522 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 159019

Ion Ratio Lower Upper

43 100

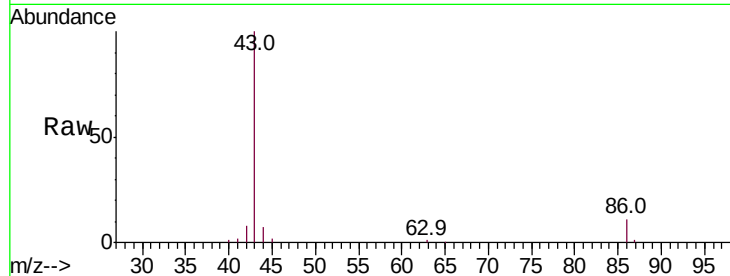
86 10.9 8.6 13.0

Manual Integrations

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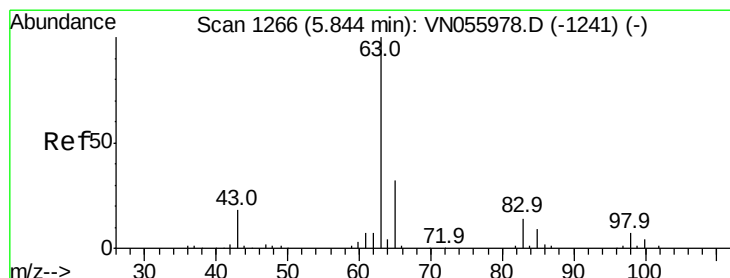
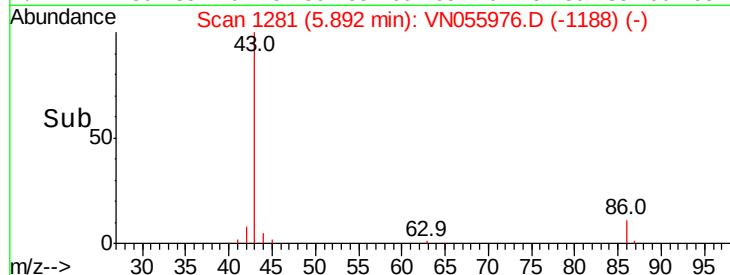
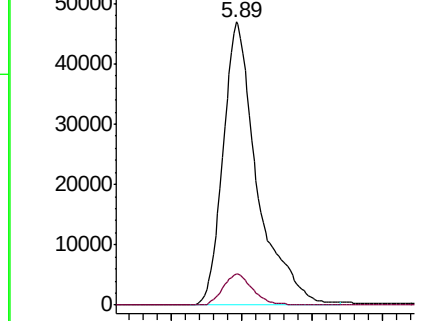
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 5.080 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

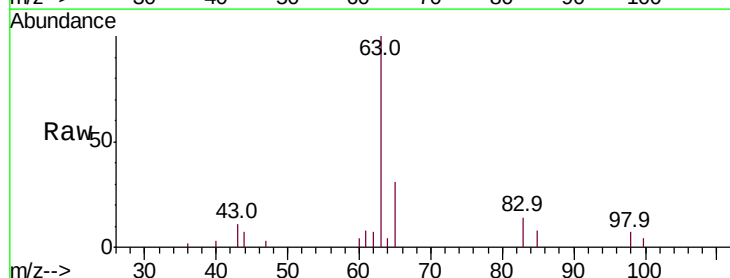
Tgt Ion: 63 Resp: 26274

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

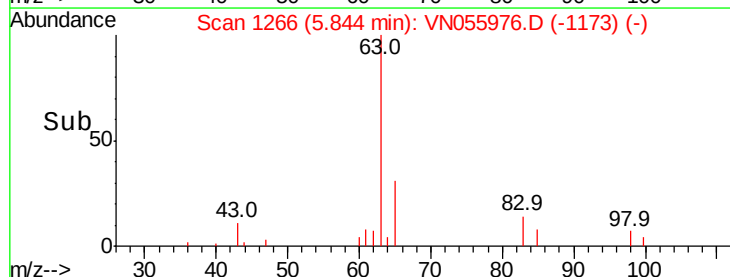
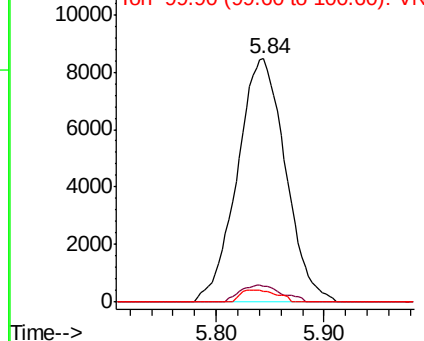
100 4.4 2.2 6.6

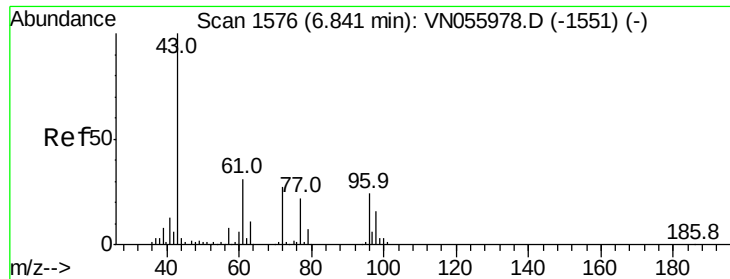


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





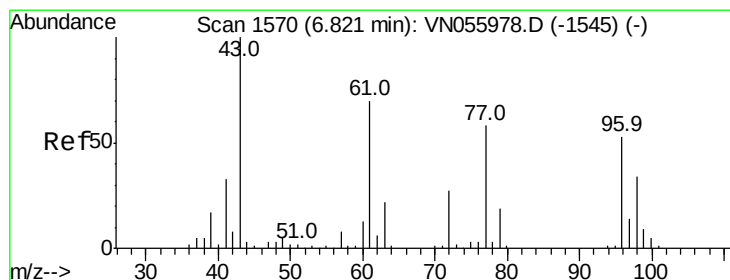
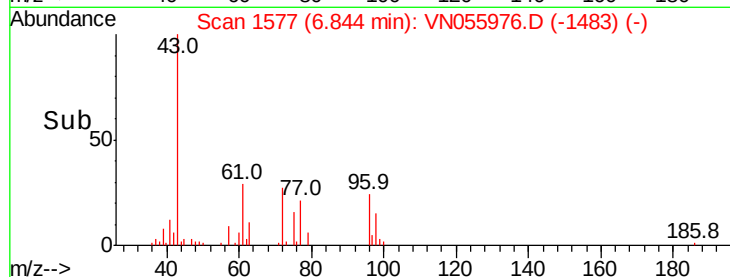
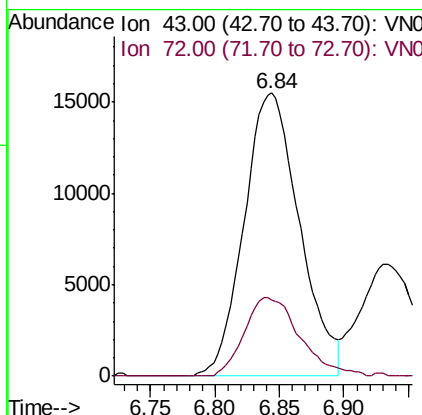
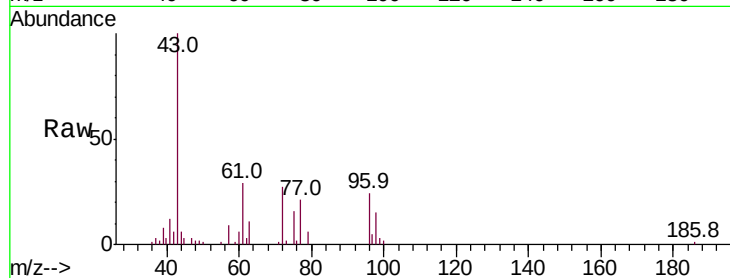
#25
2-Butanone
Concen: 23.631 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 46392
Ion Ratio Lower Upper
43 100
72 26.9 21.9 32.9

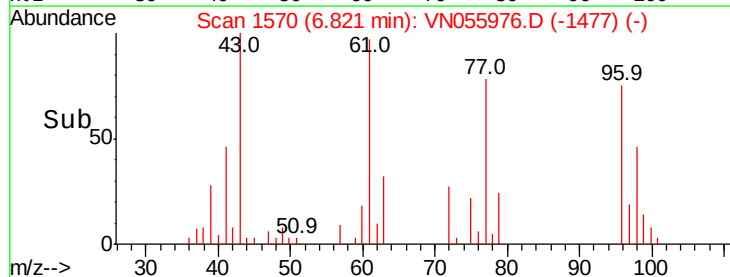
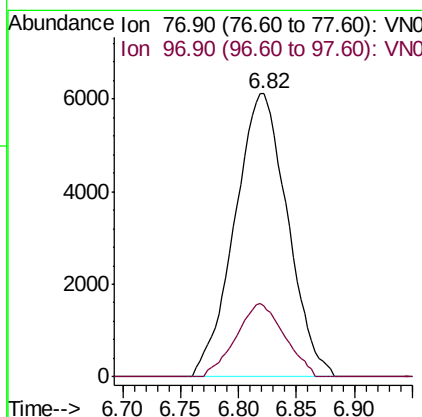
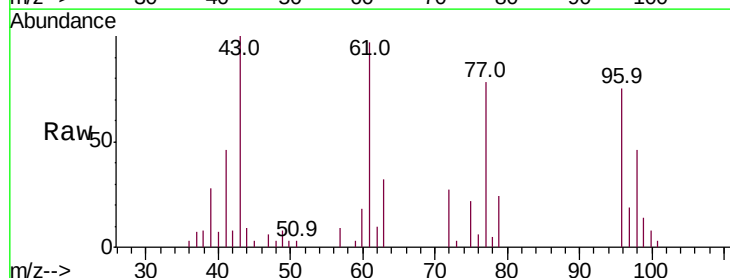
Manual Integrations
APPROVED

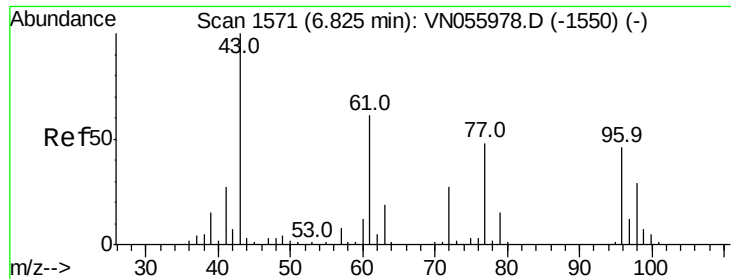
MMDadoda
6/5/2019 4:03:26 PM



#26
2,2-Dichloropropane
Concen: 4.801 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion: 77 Resp: 19374
Ion Ratio Lower Upper
77 100
97 23.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 5.049 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN055976.D

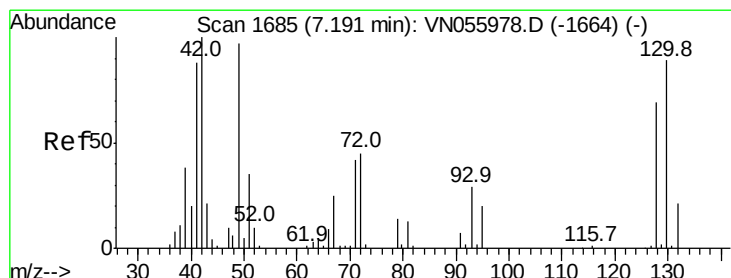
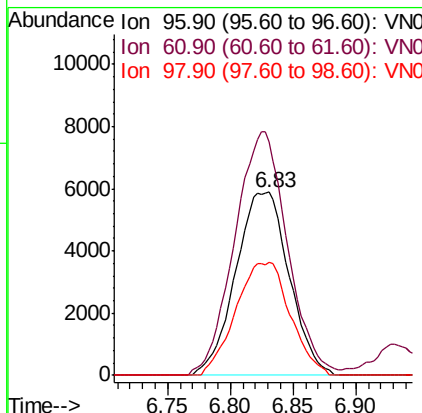
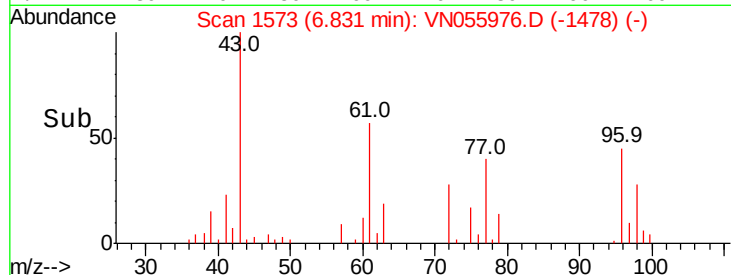
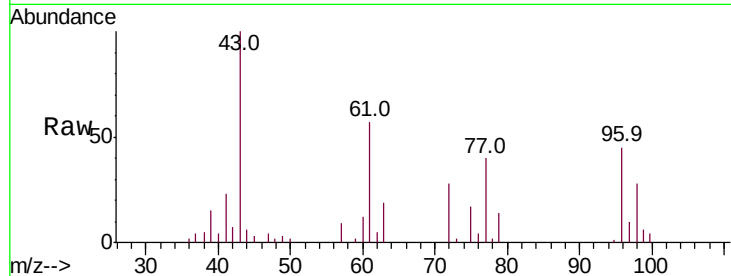
Acq: 4 Jun 2019 8:47

Tot Ion:	96	Resp:	17467
Ion	Ratio	Lower	Upper
96	100		
61	131.3	0.0	275.8
98	62.7	0.0	128.4

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Manual Integrations
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#28

Bromochloromethane

Concen: 4.737 ug/l

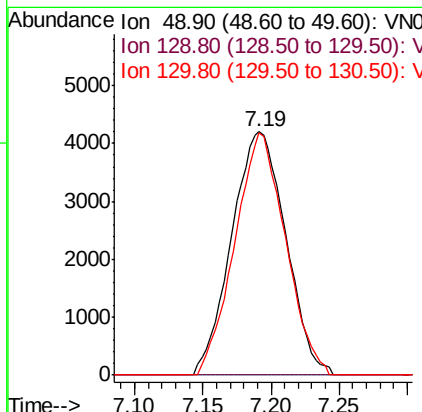
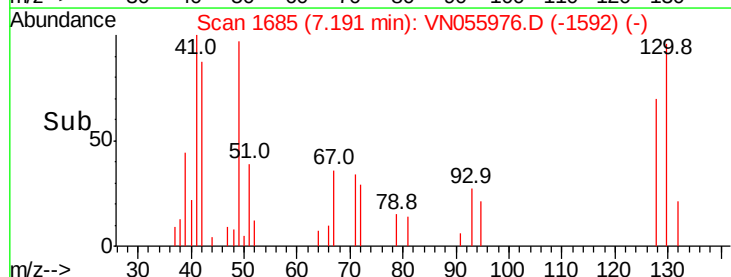
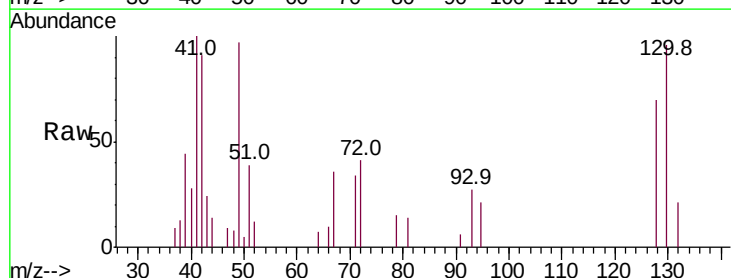
RT: 7.19 min Scan# 1685

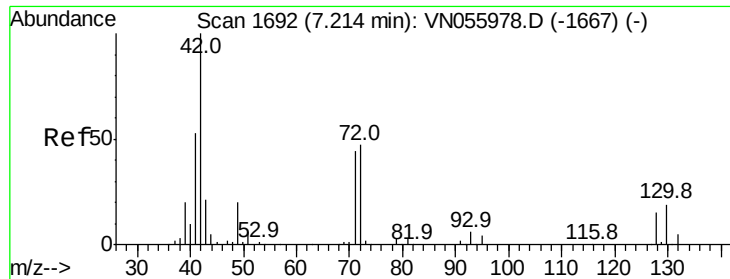
Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Tgt Ion:	49	Resp:	11585
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	93.0	71.2	106.8





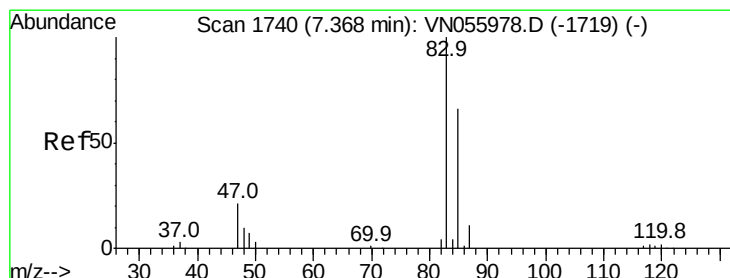
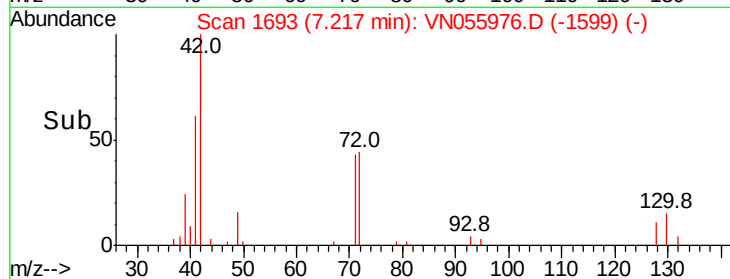
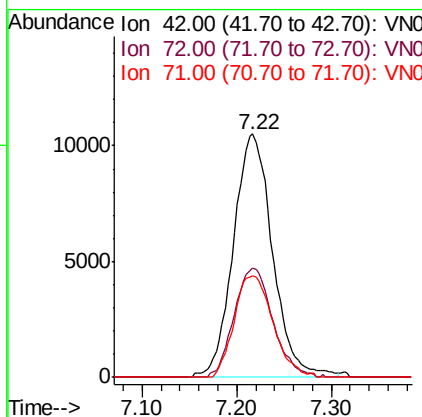
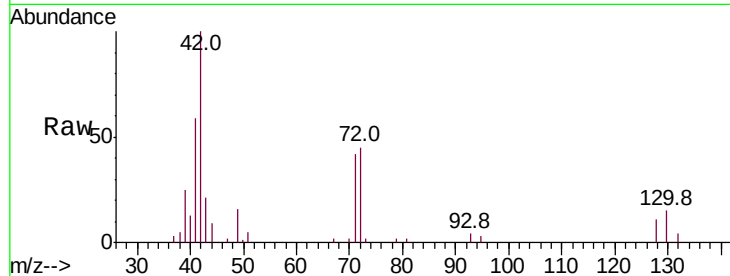
#29
Tetrahydrofuran
Concen: 24.980 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.9	53.9
71	41.2	34.0	51.0

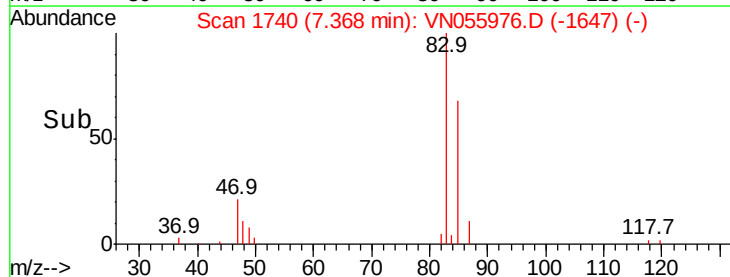
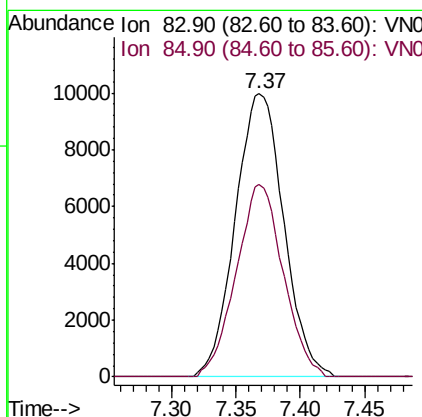
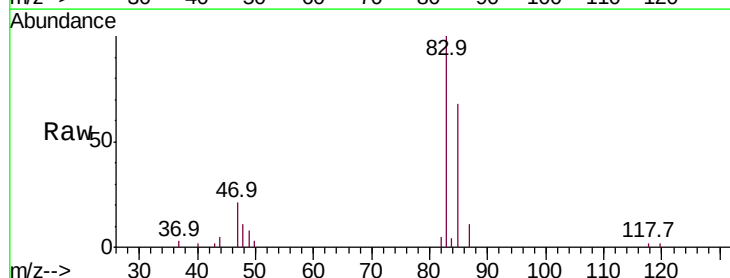
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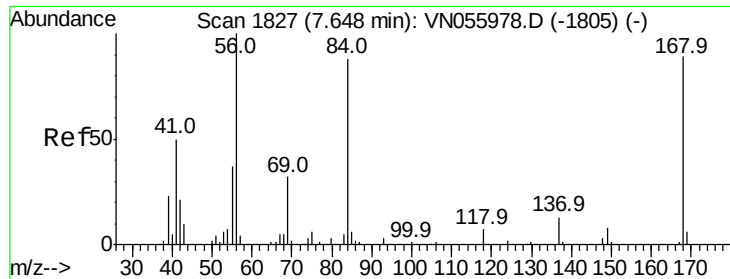
MMDadoda
6/5/2019 4:03:26 PM



#30
Chloroform
Concen: 5.017 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	51.8	77.8





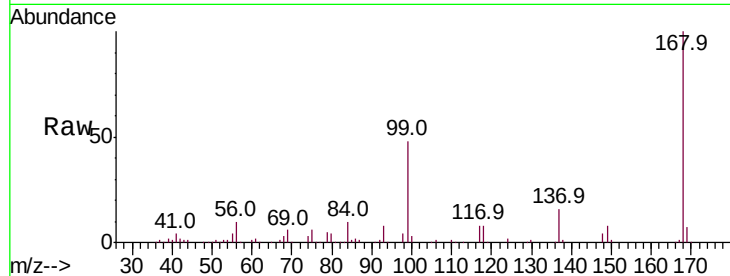
#31
Cyclohexane
Concen: 5.558 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	59.2	25.6	38.4#
84	101.5	67.4	101.0#

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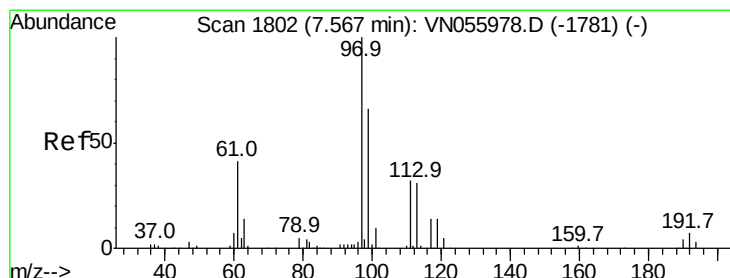
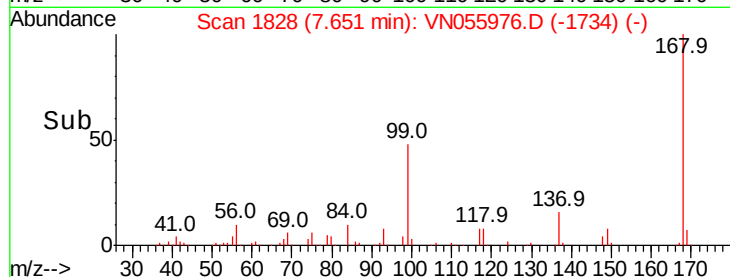
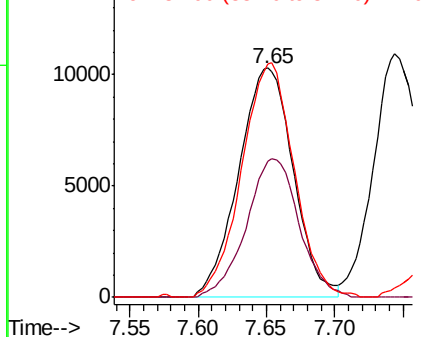


Abundance

Ion 56.00 (55.70 to 56.70): VNO

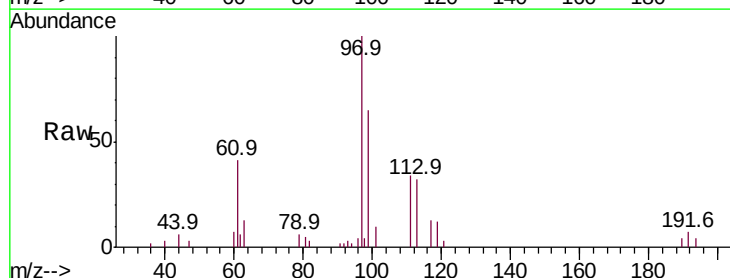
Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32
1,1,1-Trichloroethane
Concen: 4.823 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	40.9	32.9	49.3

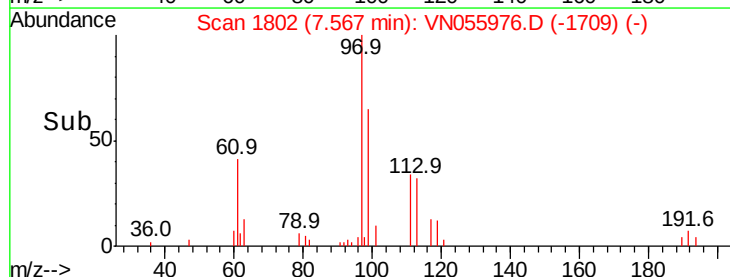
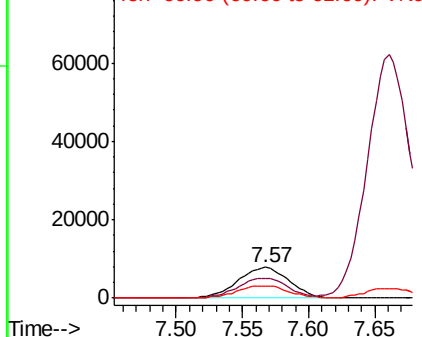


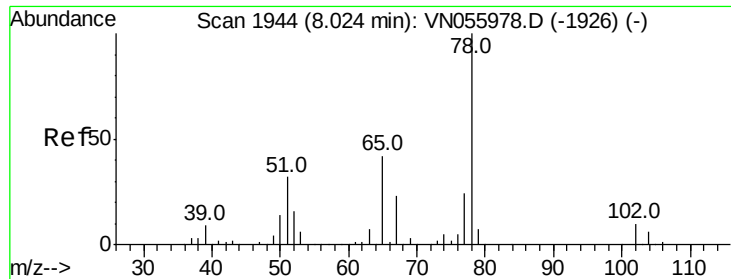
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





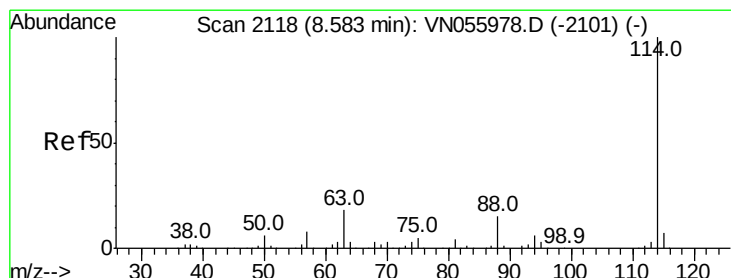
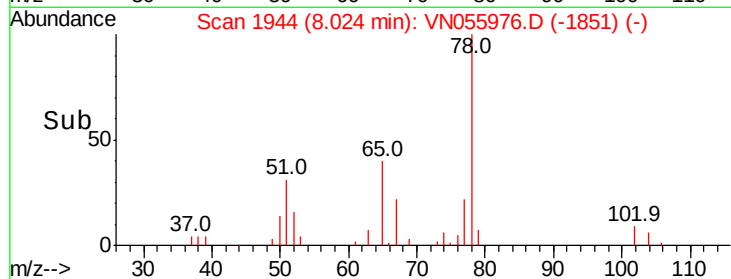
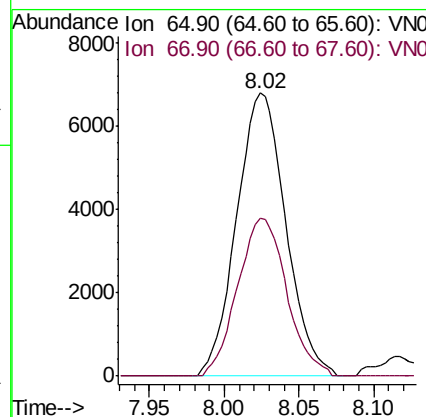
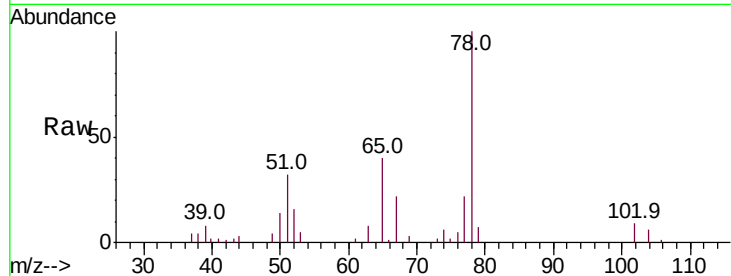
#33
 1,2-Dichloroethane-d4
 Concen: 4.785 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.5	0.0	109.2	

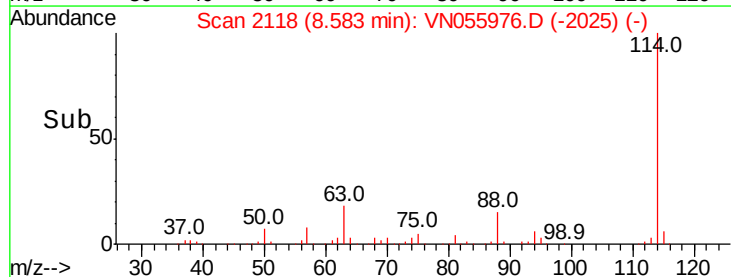
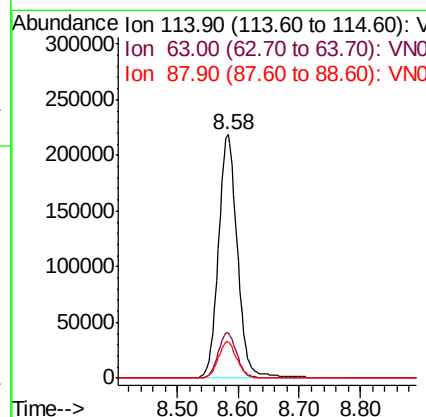
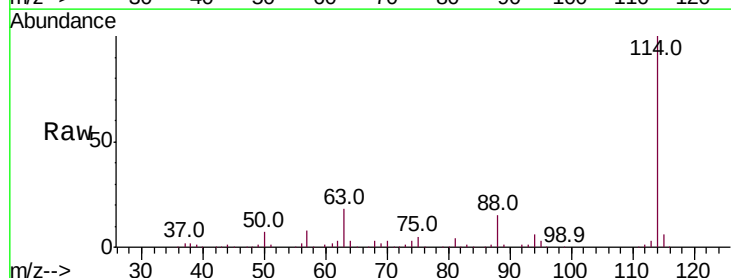
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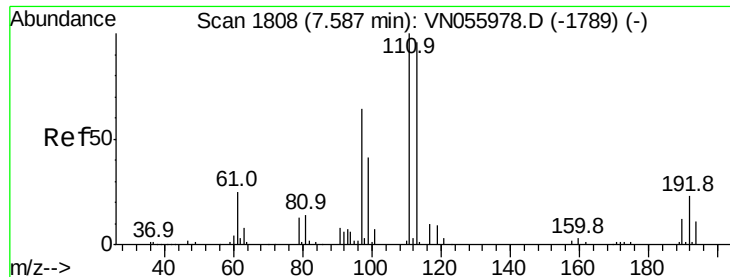
MMDadoda
 6/5/2019 4:03:26 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.4	0.0	39.2	
88	14.9	0.0	31.0	





#35

Dibromofluoromethane

Concen: 4.677 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

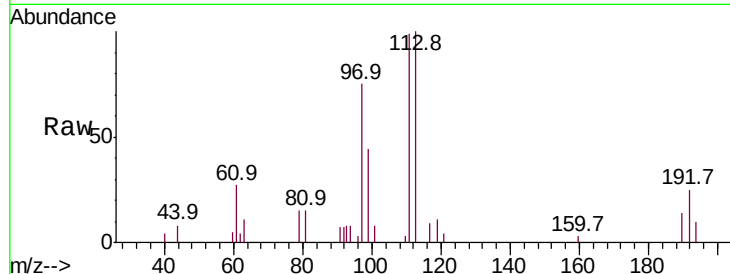
ClientSampleId :

VSTDIC005

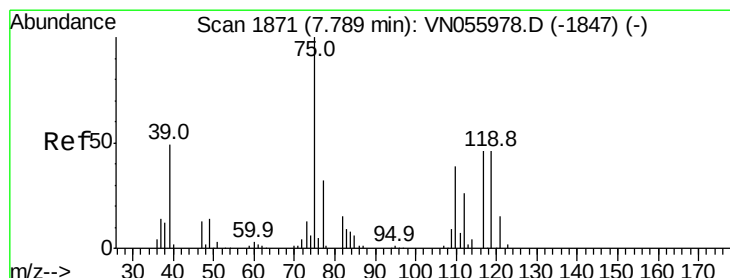
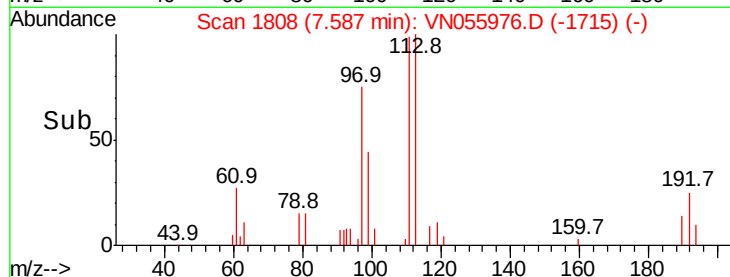
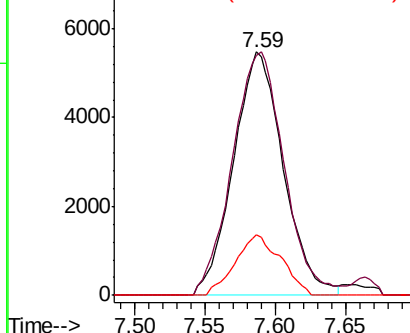
Tot Ion:	113	Resp:	13557
Ion Ratio	Lower	Upper	
113	100		
111	103.7	81.9	122.9
192	22.7	19.5	29.3

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.850 ug/l

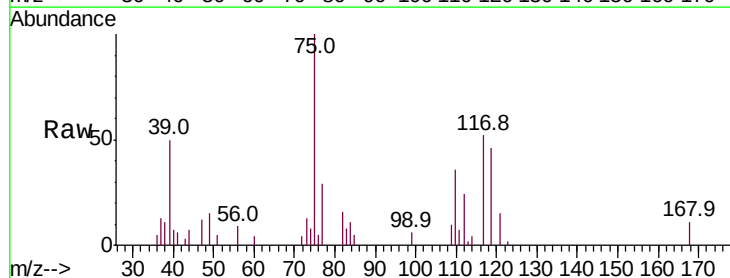
RT: 7.79 min Scan# 1870

Delta R.T. -0.00 min

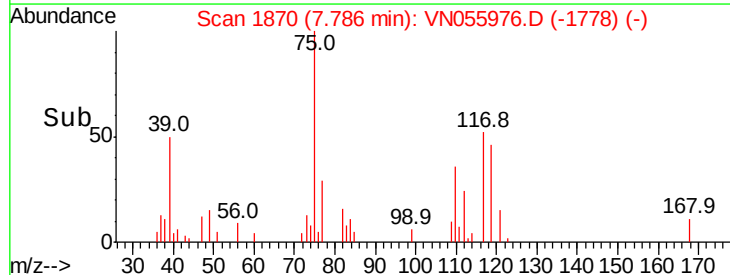
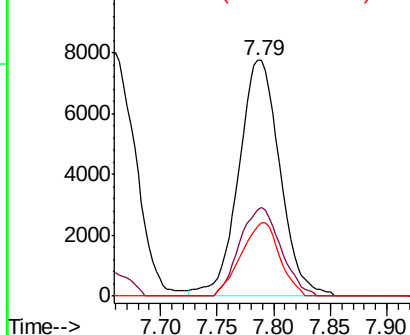
Lab File: VN055976.D

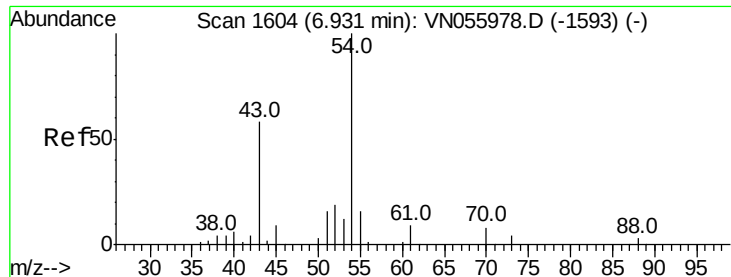
Acq: 4 Jun 2019 8:47

Tgt Ion:	75	Resp:	19702
Ion Ratio	Lower	Upper	
75	100		
110	37.2	19.0	57.0
77	29.0	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





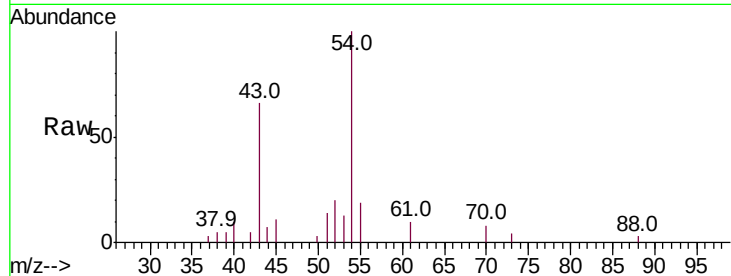
#37
Ethyl Acetate
Concen: 4.638 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.2	18.2
70	11.4	8.9	13.3

Manual Integrations
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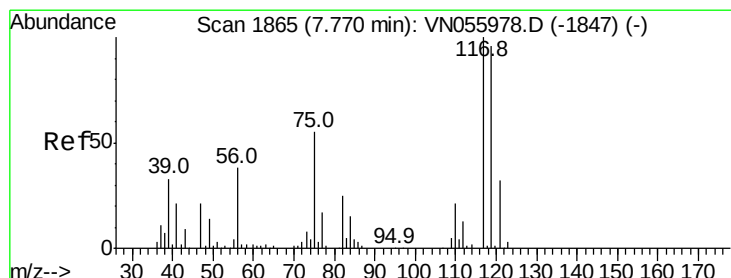
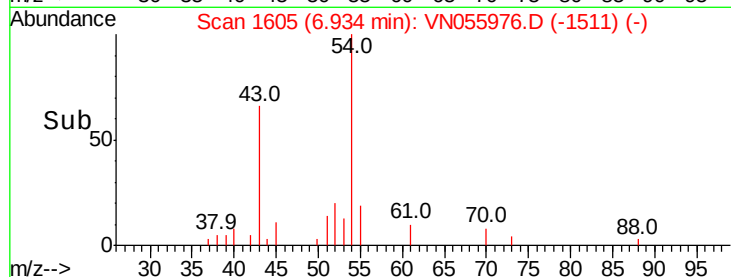
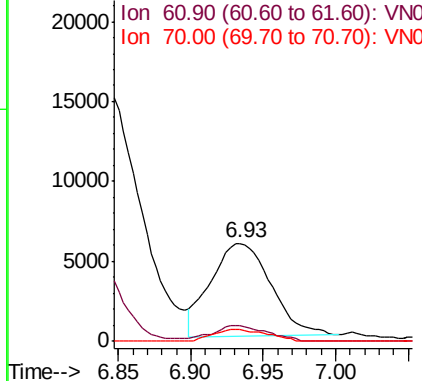


Abundance

Ion 43.00 (42.70 to 43.70): VN055976.D (-1593) (-)

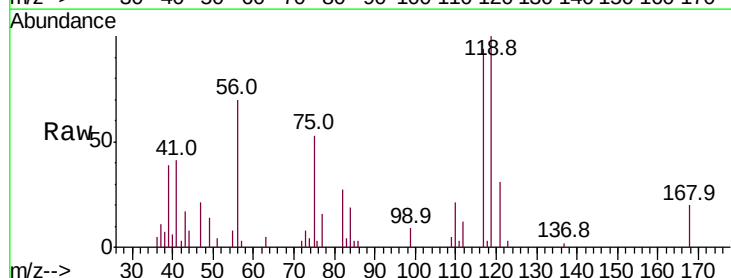
Ion 60.90 (60.60 to 61.60): VN055976.D (-1593) (-)

Ion 70.00 (69.70 to 70.70): VN055976.D (-1593) (-)



#38
Carbon Tetrachloride
Concen: 4.609 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	106.0	79.0	118.6
121	33.1	24.7	37.1

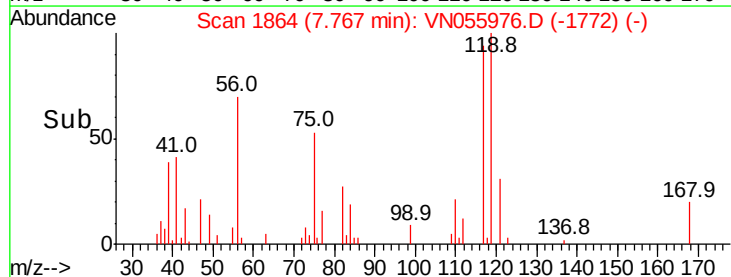
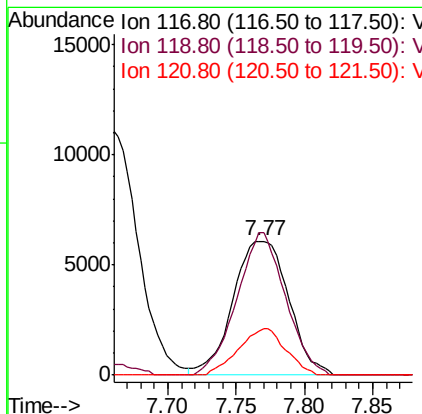


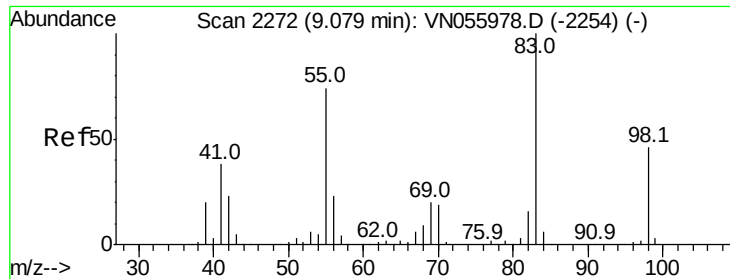
Abundance

Ion 116.80 (116.50 to 117.50): VN055976.D (-1772) (-)

Ion 118.80 (118.50 to 119.50): VN055976.D (-1772) (-)

Ion 120.80 (120.50 to 121.50): VN055976.D (-1772) (-)





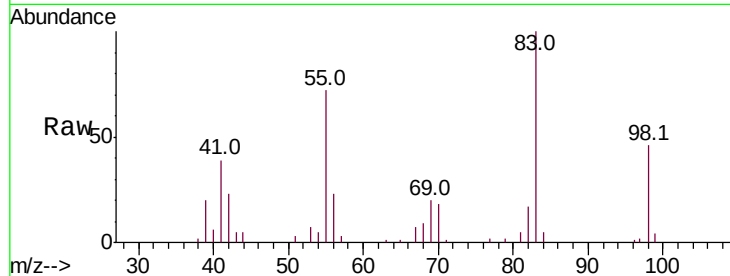
#39
Methylvlcyclohexane
Concen: 4.883 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	24711
Ion Ratio	100	Lower	Upper
83	100		
55	72.1	59.3	88.9
98	46.5	36.6	54.8

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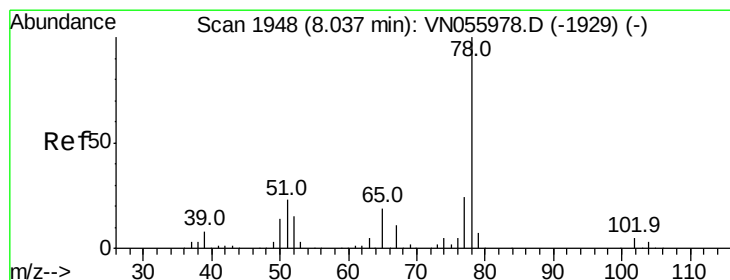
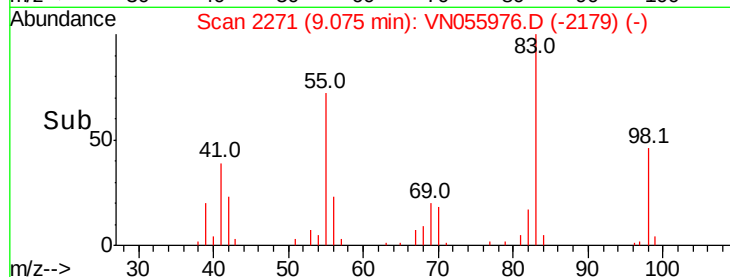
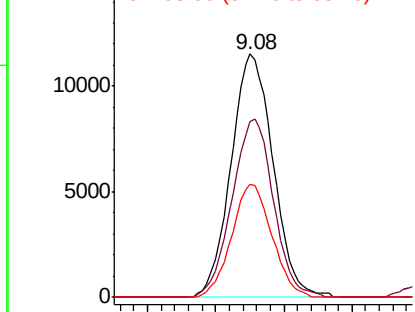


Abundance

Ion 83.00 (82.70 to 83.70): VN0

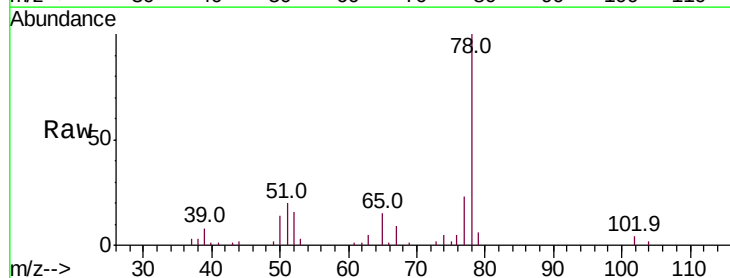
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 4.938 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

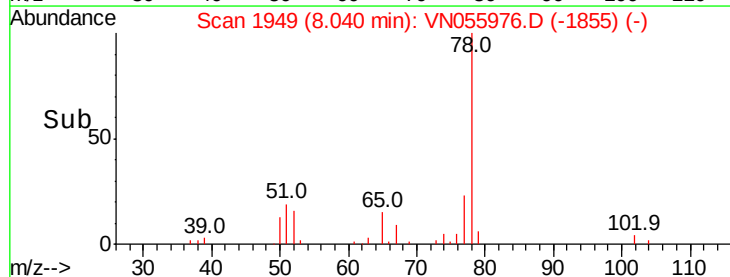
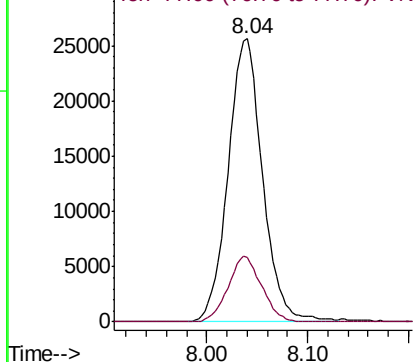
Tgt Ion	78	Resp	60929
Ion Ratio	100	Lower	Upper
78	100		
77	22.8	18.8	28.2

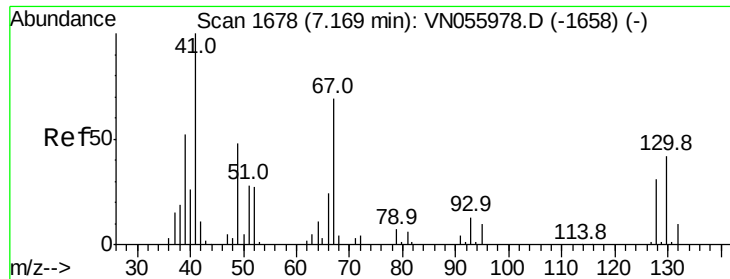


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





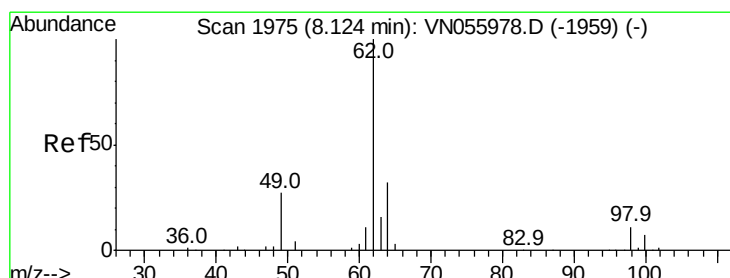
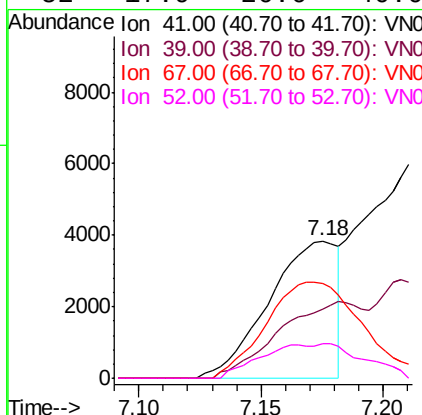
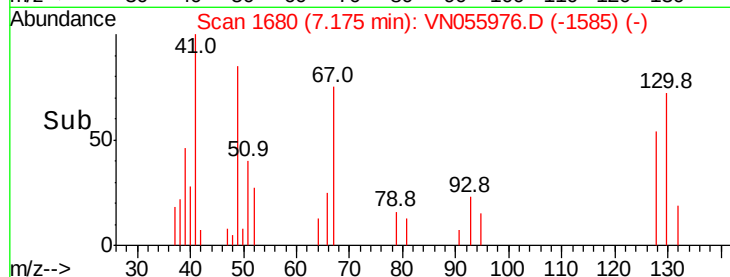
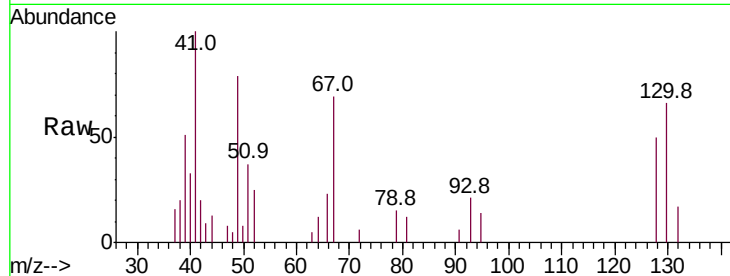
#41
Methacrylonitrile
Concen: 4.519 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.2	45.6	68.4#
67	99.1	67.7	101.5
52	17.9	26.6	40.0#

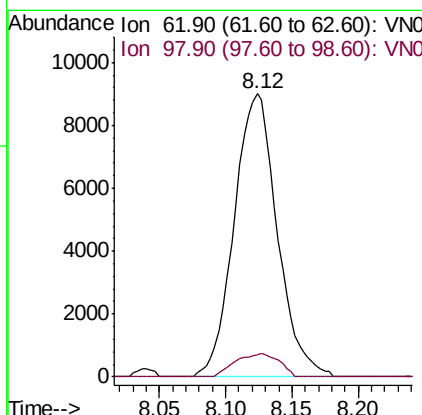
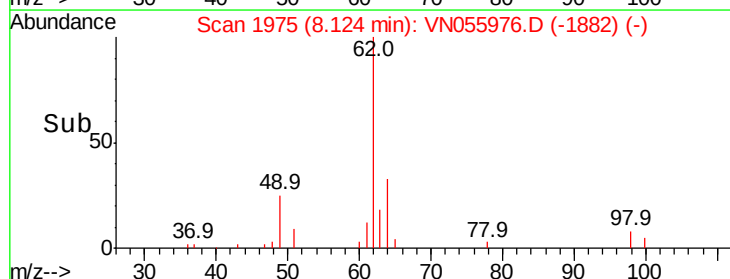
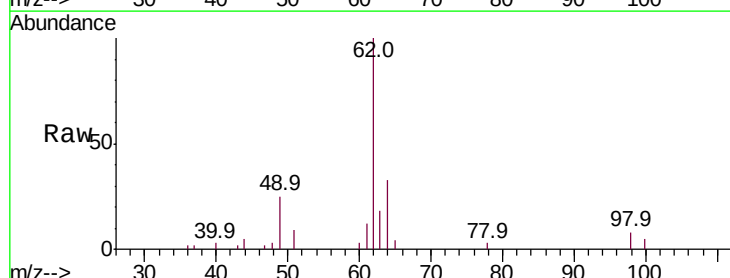
Manual Integrations
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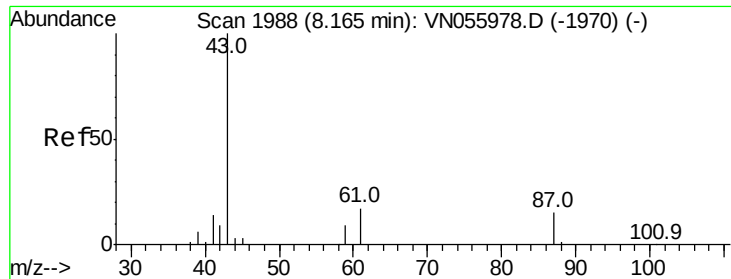
MMDadoda
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#42
1,2-Dichloroethane
Concen: 5.131 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	20.2





#43

Isopropyl Acetate

Concen: 4.636 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

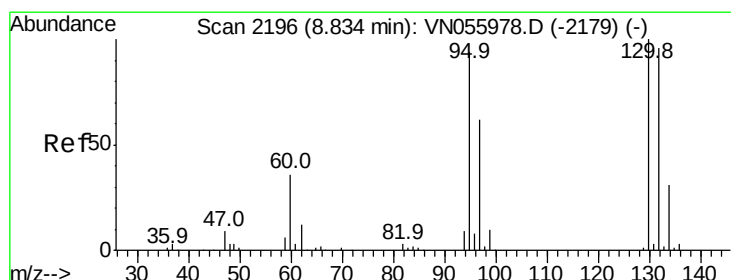
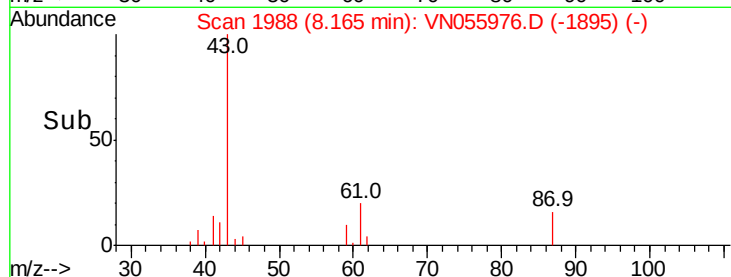
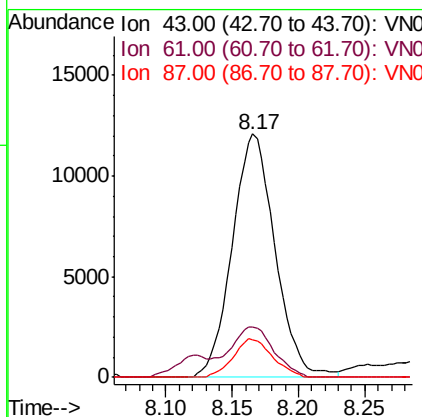
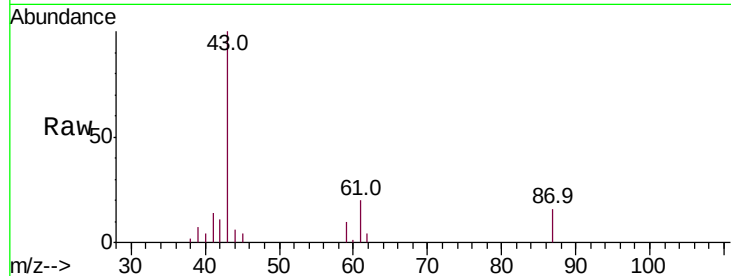
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	27152
Ion	Ratio	Lower	Upper
43	100		
61	20.0	22.2	33.4#
87	14.6	11.4	17.2

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#44

Trichloroethene

Concen: 4.978 ug/l

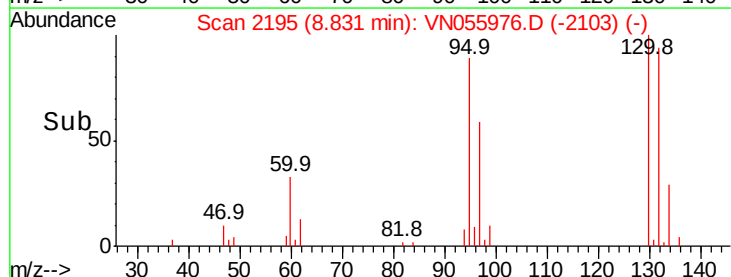
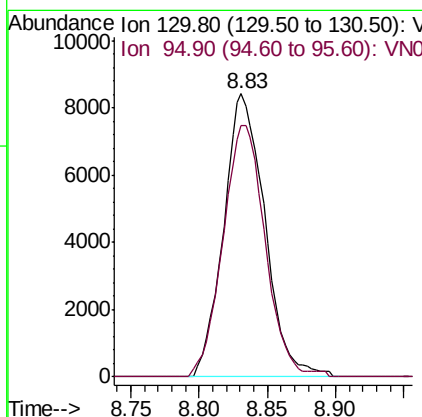
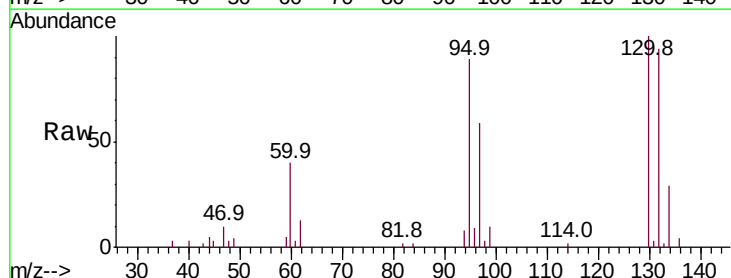
RT: 8.83 min Scan# 2195

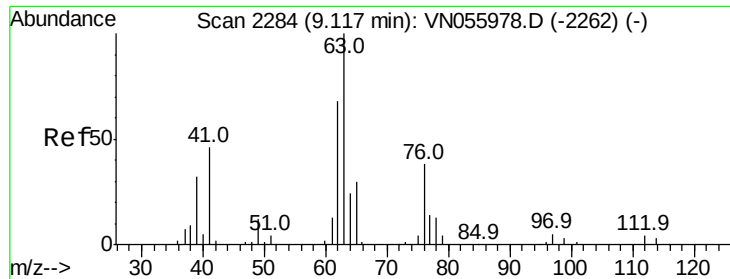
Delta R.T. -0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Tgt Ion:	130	Resp:	17650
Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	188.0





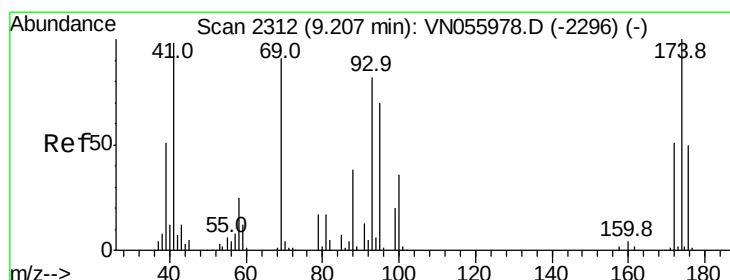
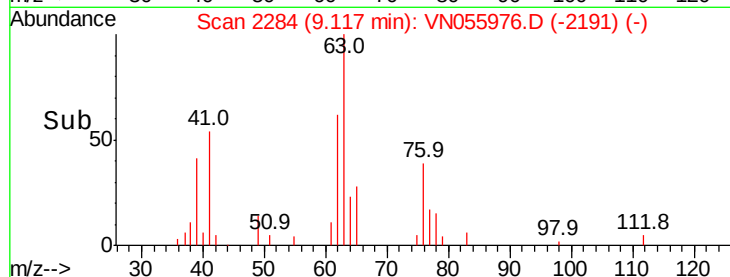
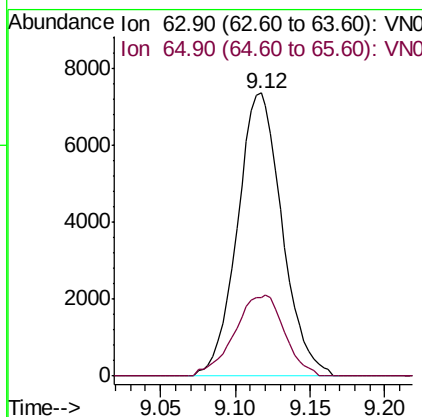
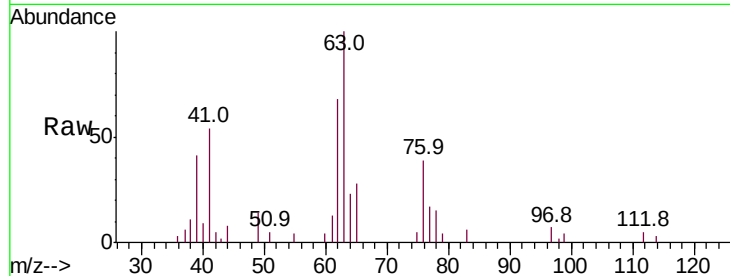
#45
 1,2-Dichloropropane
 Concen: 4.830 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 15264
 Ion Ratio Lower Upper
 63 100
 65 27.8 24.6 36.8

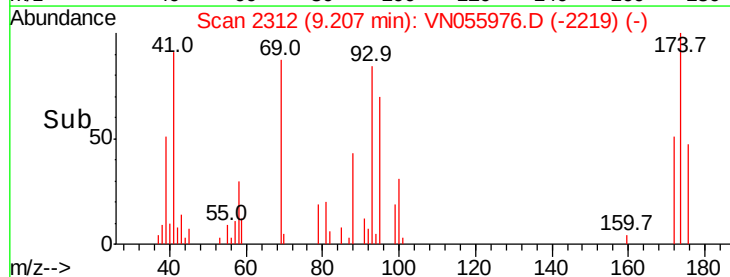
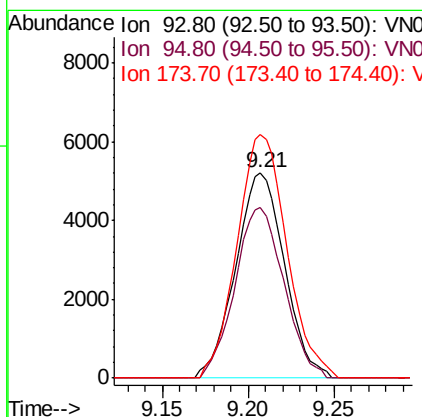
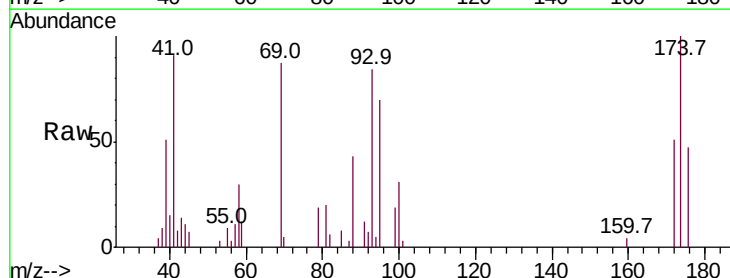
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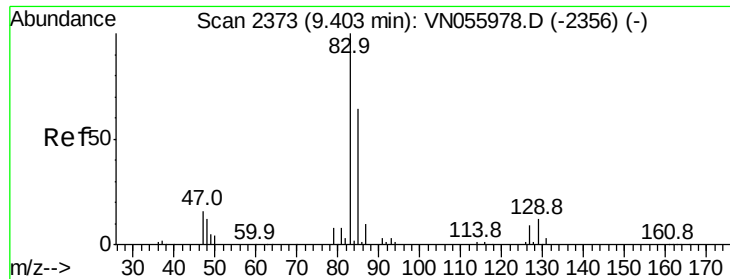
MMDadoda
 6/5/2019 4:03:26 PM



#46
 Dibromomethane
 Concen: 4.967 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Tgt Ion: 93 Resp: 10265
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.7 100.1
 174 120.9 96.4 144.6





#47

Bromodichloromethane

Concen: 4.508 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

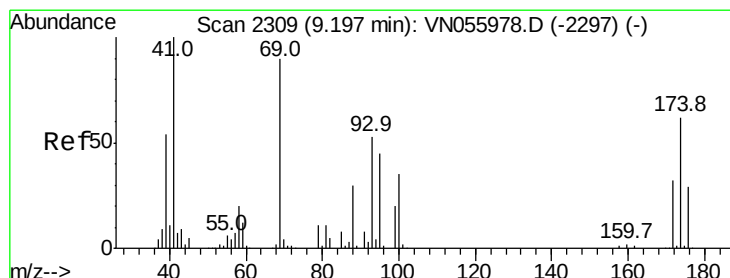
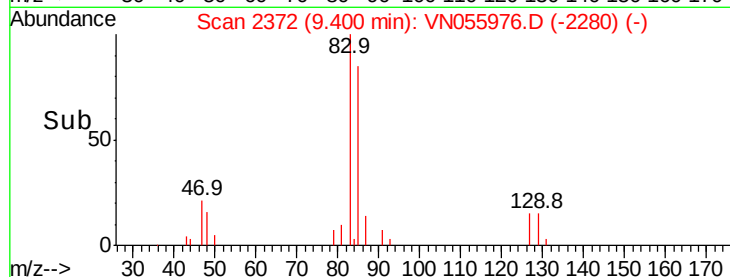
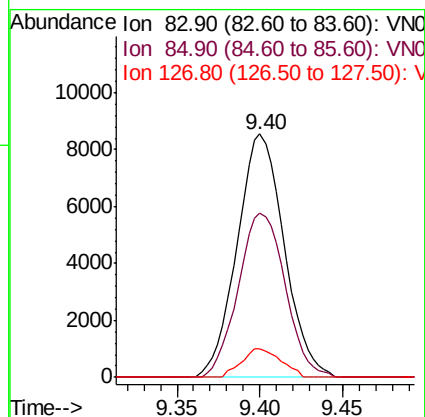
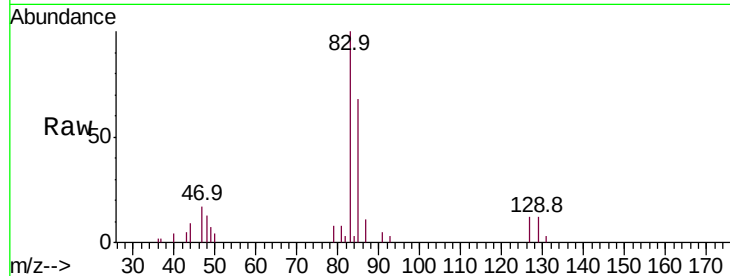
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	16884
Ion Ratio	Lower	Upper	
83	100		
85	67.7	52.2	78.2
127	12.0	7.4	11.0#

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.845 ug/l

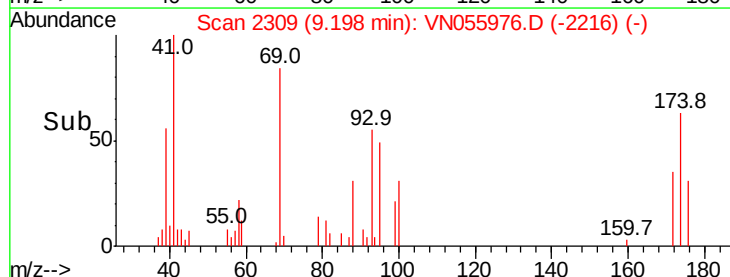
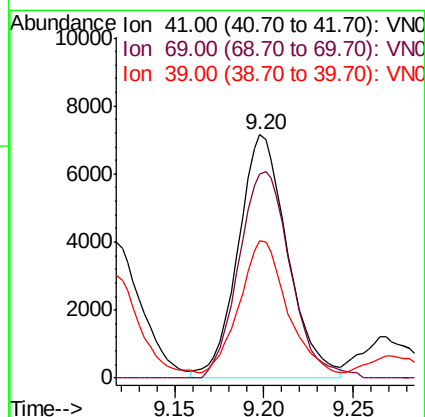
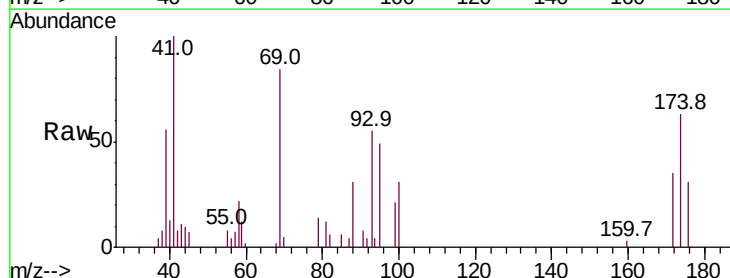
RT: 9.20 min Scan# 2309

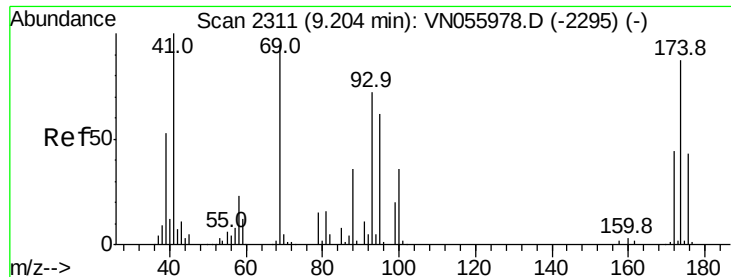
Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Tgt Ion:	41	Resp:	13885
Ion Ratio	Lower	Upper	
41	100		
69	88.6	71.0	106.6
39	56.3	44.2	66.2





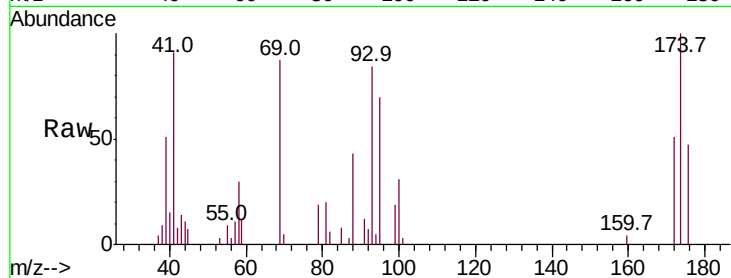
#49
1,4-Dioxane
Concen: 98.021 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	20.5	30.7#
58	67.3	55.8	83.6

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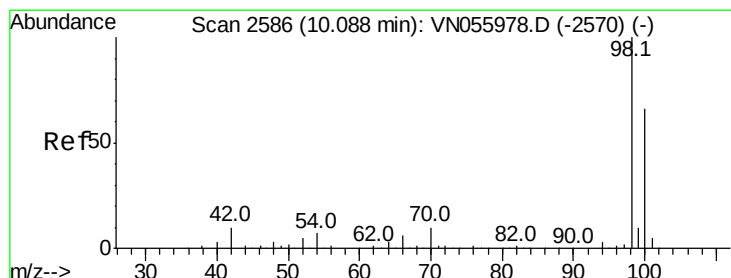
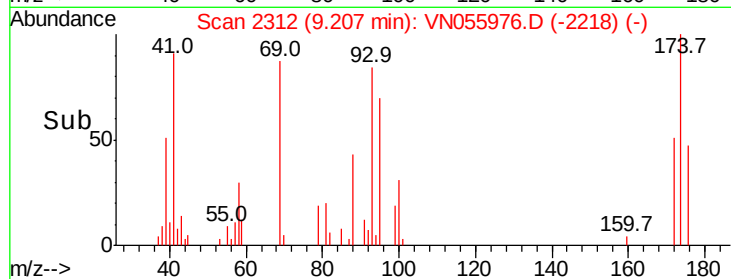
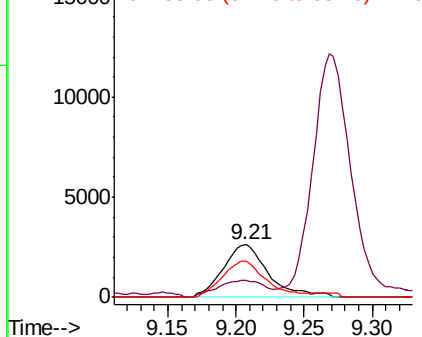


Abundance

Ion 88.00 (87.70 to 88.70): VN0

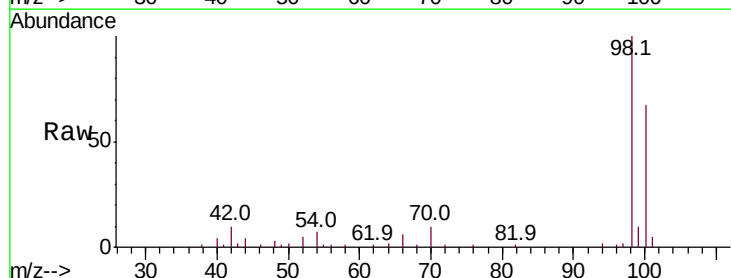
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 4.644 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

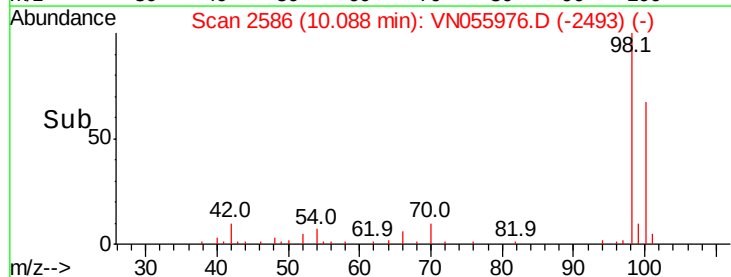
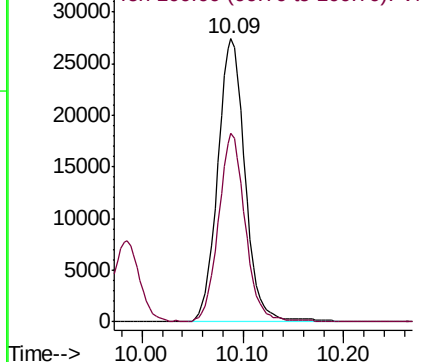
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.9	77.9

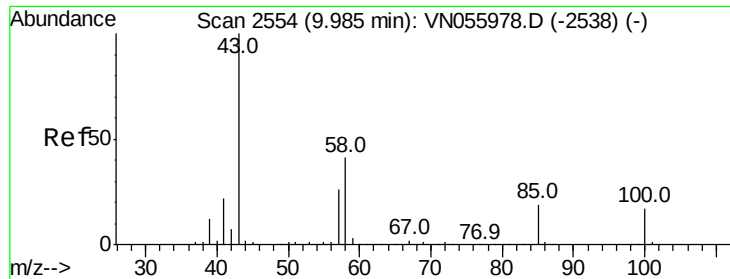


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 24.005 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Tot Ion: 43 Resp: 87927

Ion Ratio Lower Upper

43 100

58 40.4 32.1 48.1

Instrument :

MSVOA_N

ClientSampled :

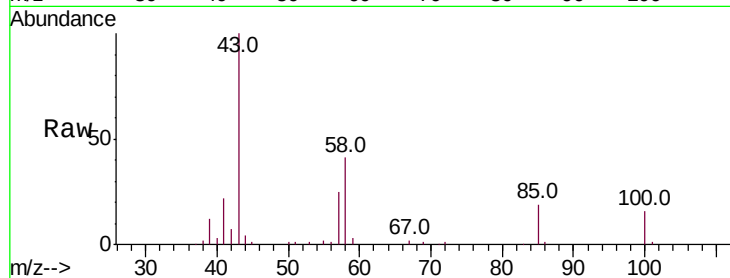
VSTDIC005

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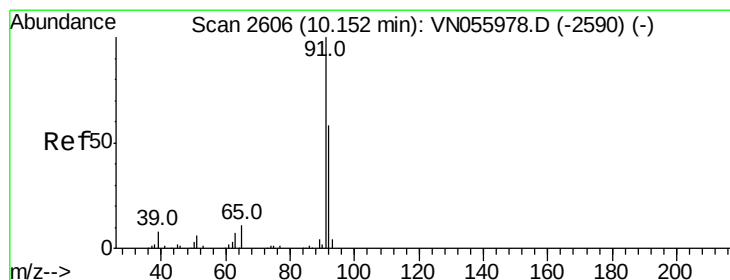
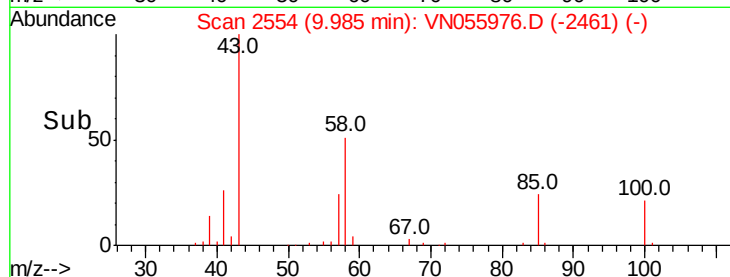
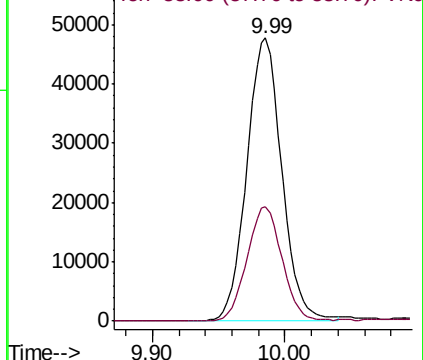
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 4.921 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055976.D

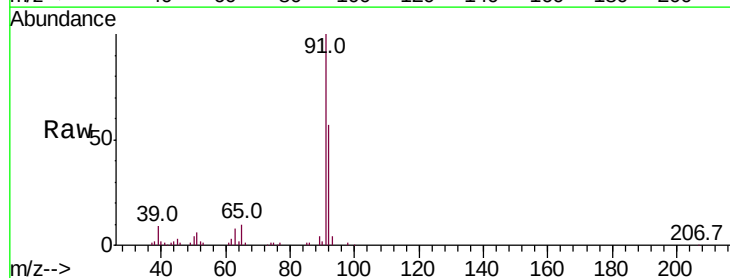
Acq: 4 Jun 2019 8:47

Tgt Ion: 92 Resp: 37785

Ion Ratio Lower Upper

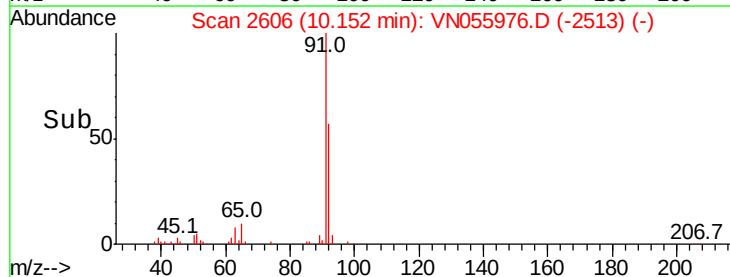
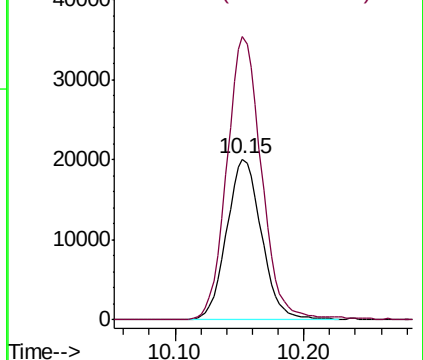
92 100

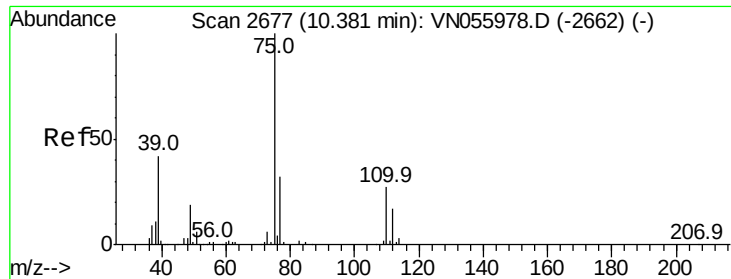
91 175.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





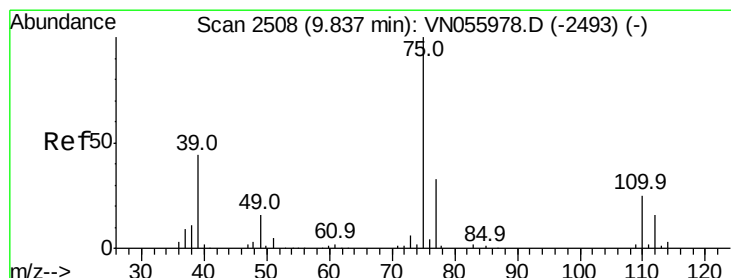
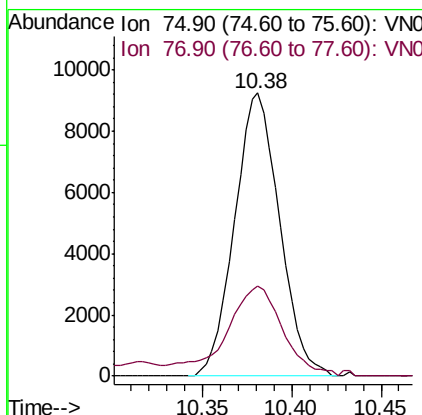
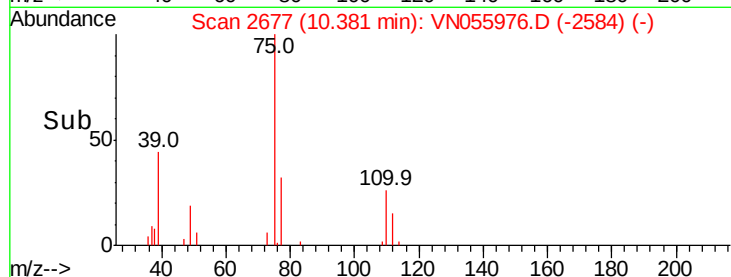
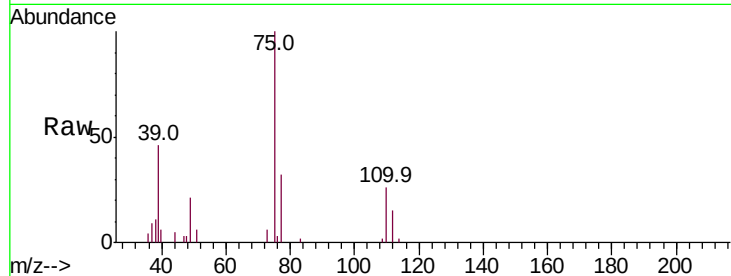
#53
t-1,3-Dichloropropene
Concen: 4.177 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6

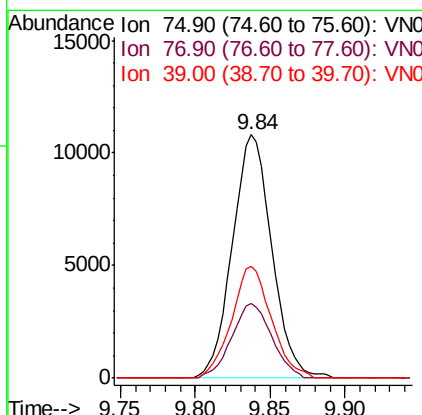
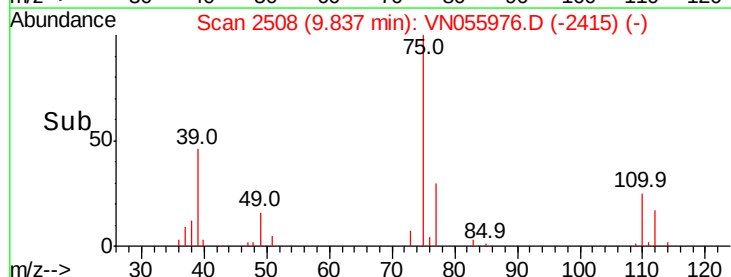
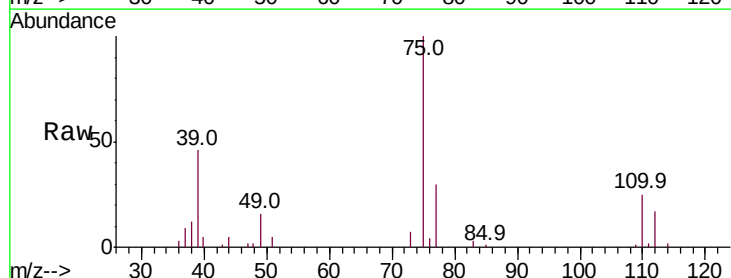
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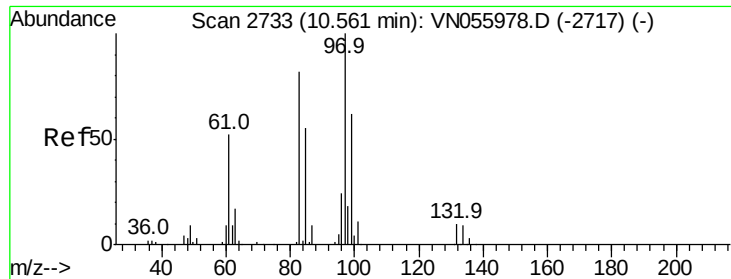
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 4.415 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.0
39	46.0	36.3	54.5





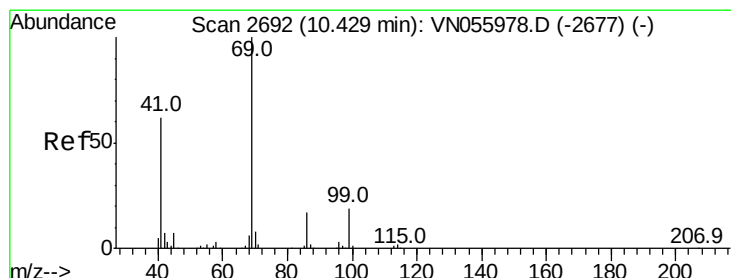
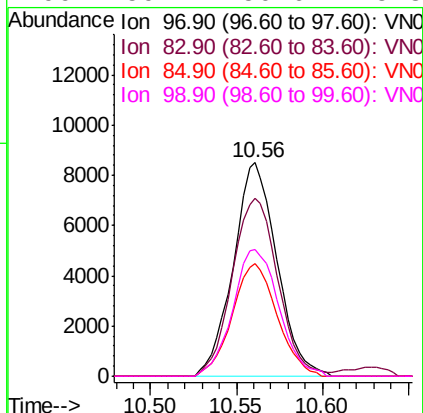
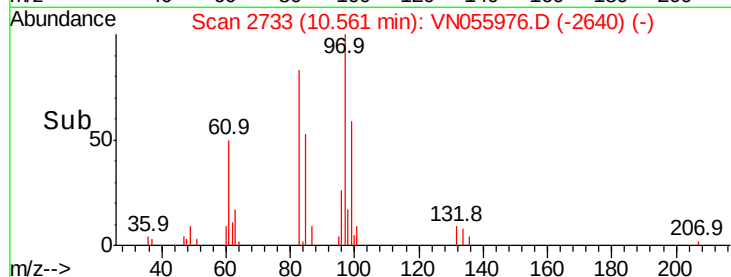
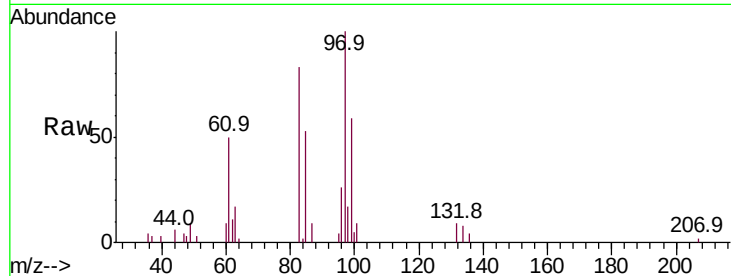
#55
 1,1,2-Trichloroethane
 Concen: 4.946 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	15041
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.0	100.6
85	52.8	44.0	66.0
99	59.1	50.6	75.8

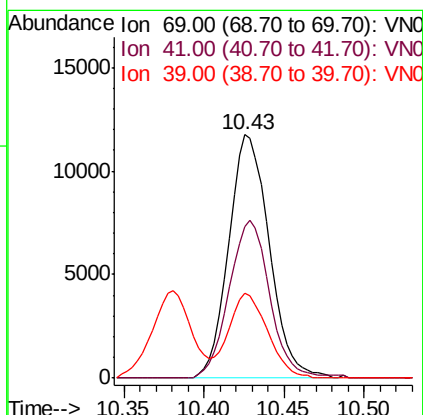
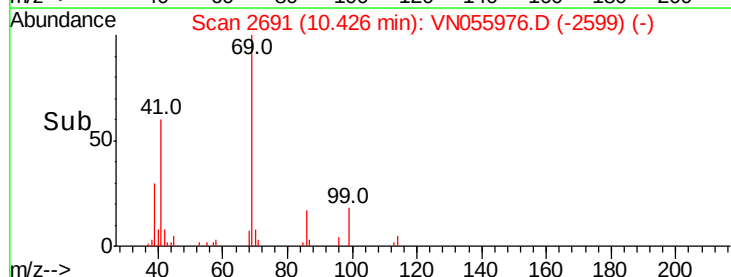
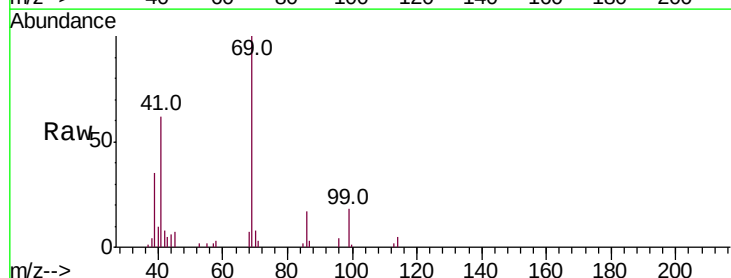
Manual Integrations
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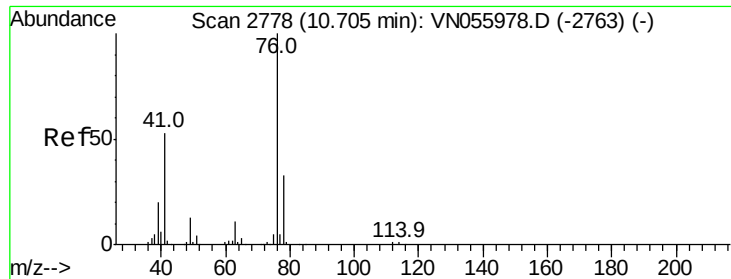
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#56
 Ethyl methacrylate
 Concen: 4.598 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Tgt Ion:	69	Resp:	20399
Ion	Ratio	Lower	Upper
69	100		
41	64.5	49.7	74.5
39	33.9	24.7	37.1





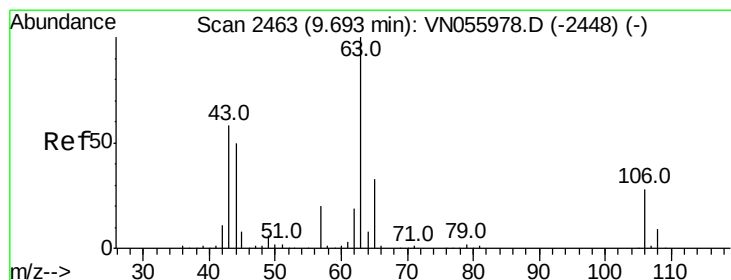
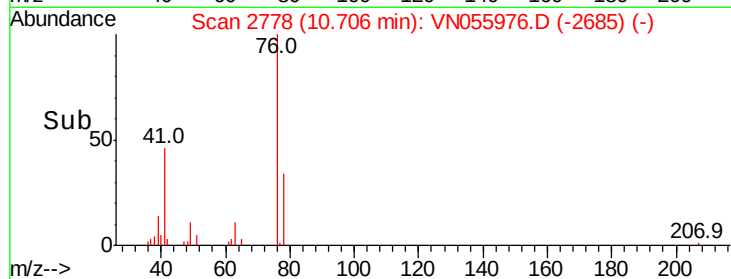
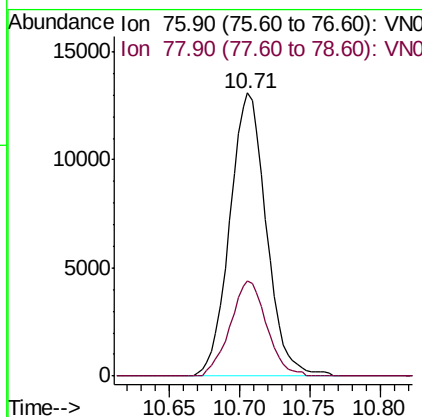
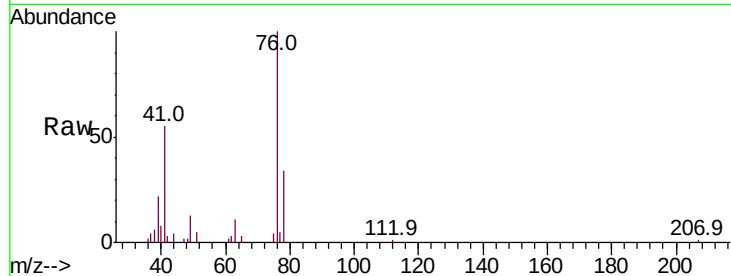
#57
 1,3-Dichloropropane
 Concen: 4.805 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.8	38.6

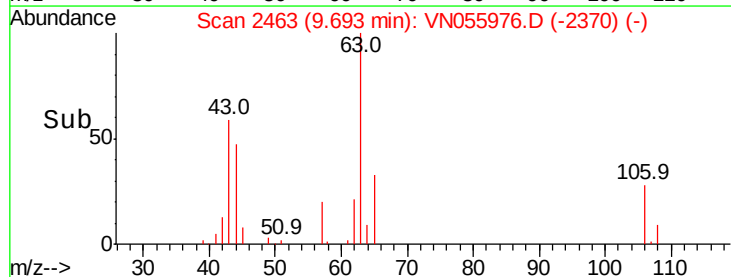
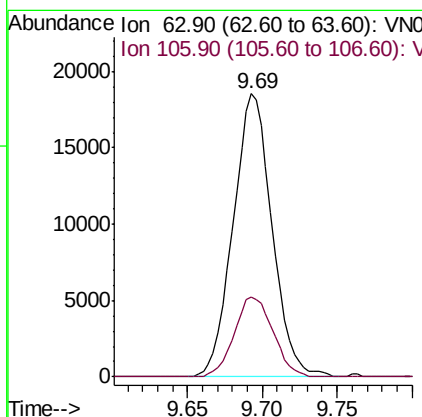
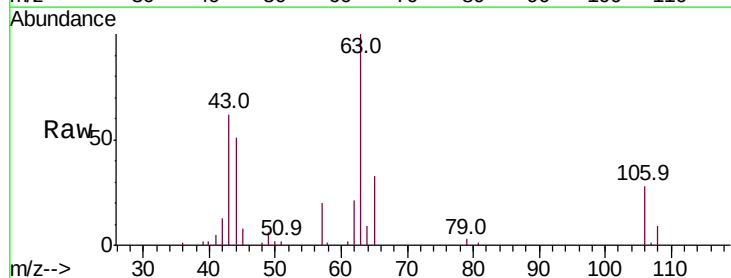
Manual Integrations
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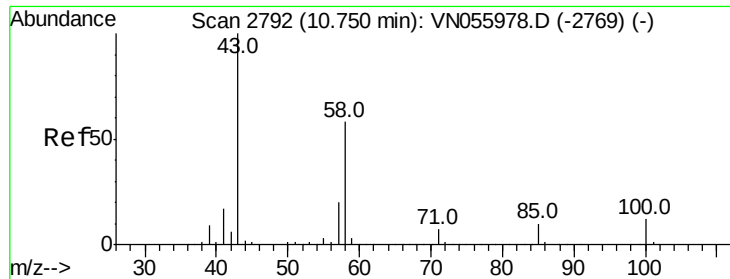
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 21.463 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.7	34.1





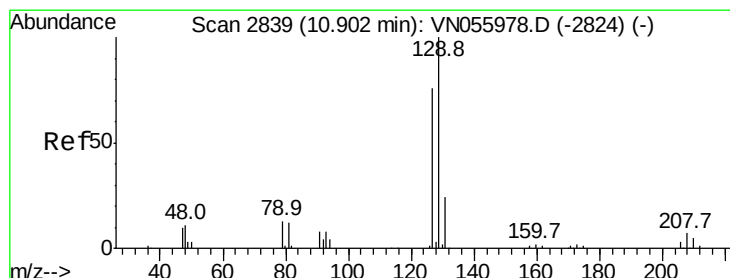
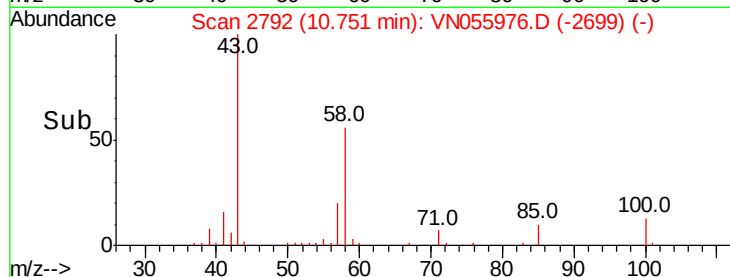
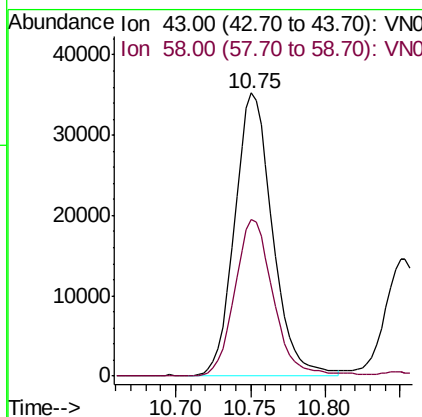
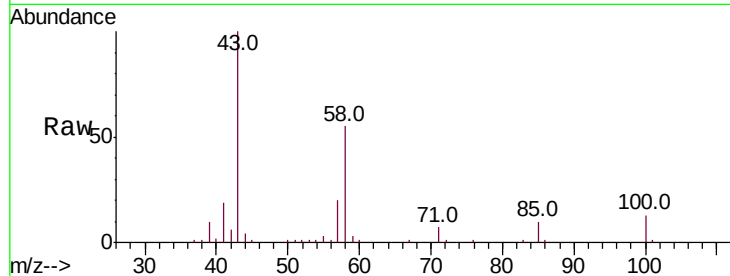
#59
2-Hexanone
Concen: 23.411 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 62151
Ion Ratio Lower Upper
43 100
58 56.3 28.2 84.7

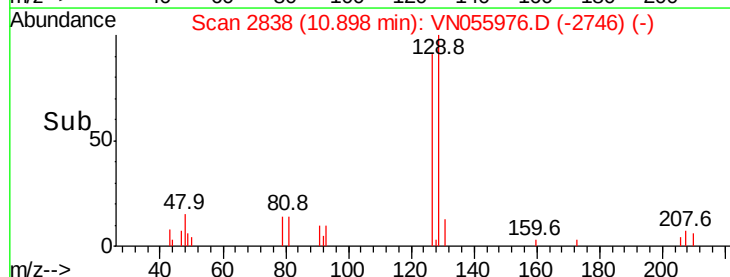
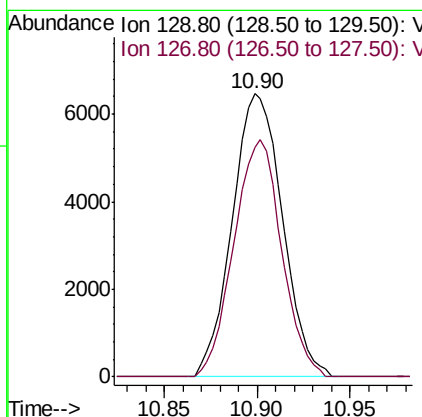
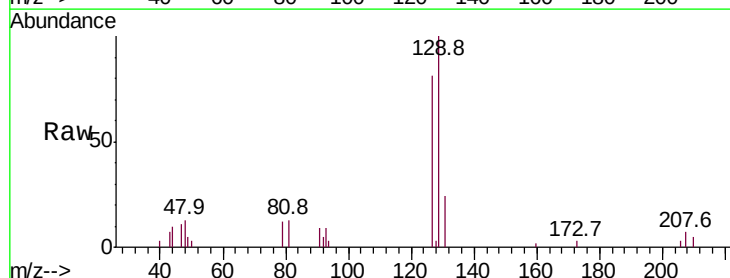
Manual Integrations
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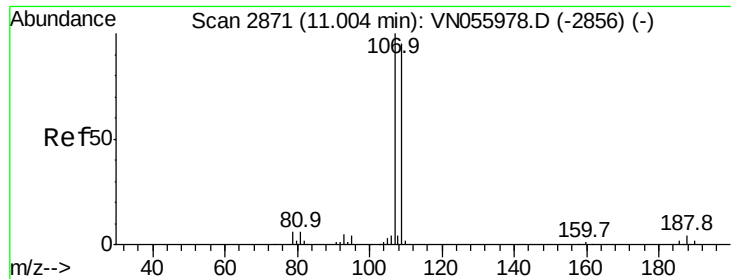
MMDadoda
6/5/2019 4:03:26 PM



#60
Dibromochloromethane
Concen: 4.138 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion: 129 Resp: 12168
Ion Ratio Lower Upper
129 100
127 79.6 38.1 114.3





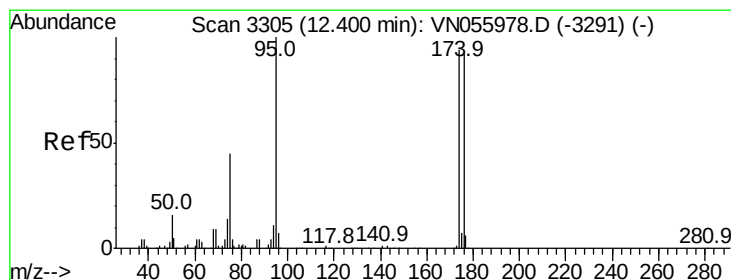
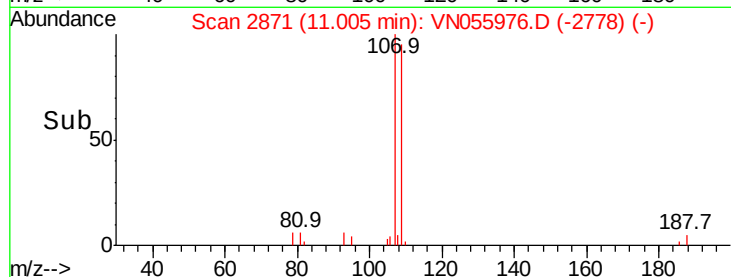
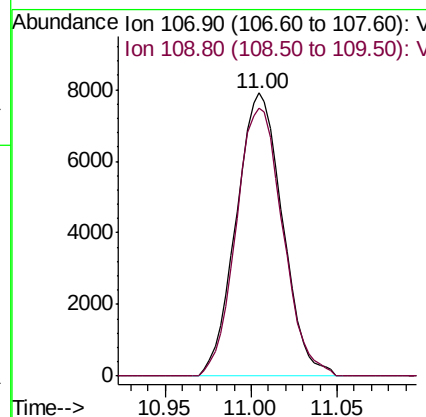
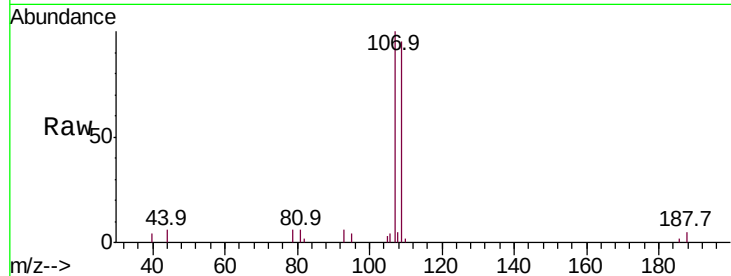
#61
 1,2-Dibromoethane
 Concen: 4.744 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	74.8	112.2

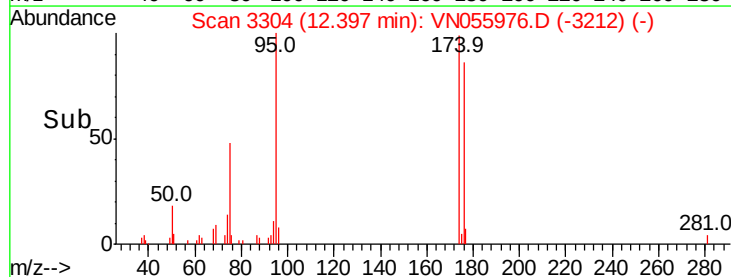
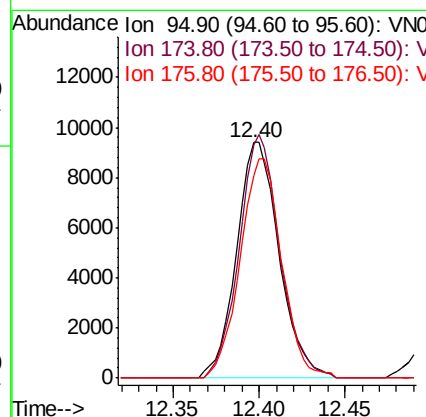
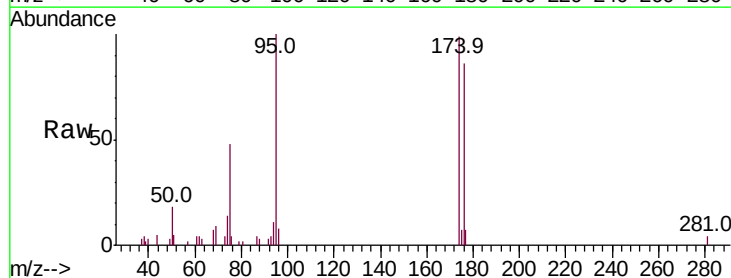
Manual Integrations
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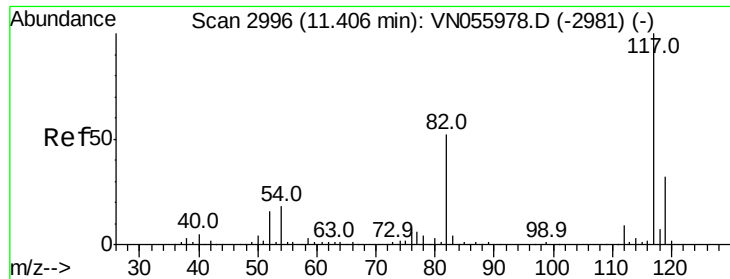
MMDadoda
 6/5/2019 4:03:26 PM



#62
 4-Bromofluorobenzene
 Concen: 4.288 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.3	0.0	191.0
176	90.5	0.0	185.2





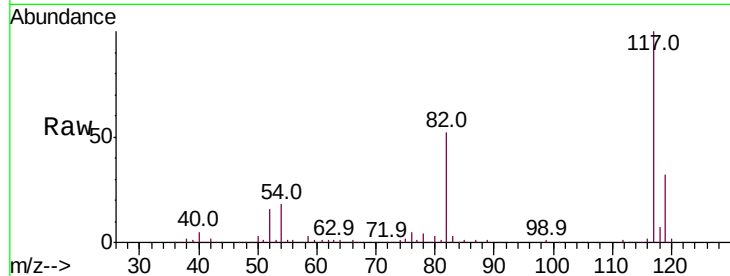
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.8	62.8
119	31.9	25.4	38.0

Manual Integrations
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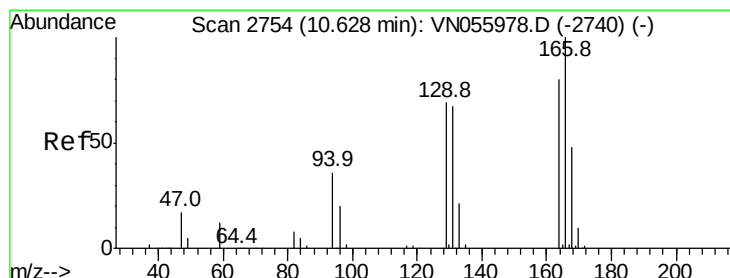
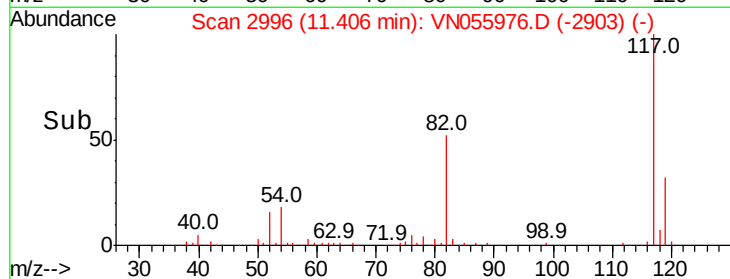
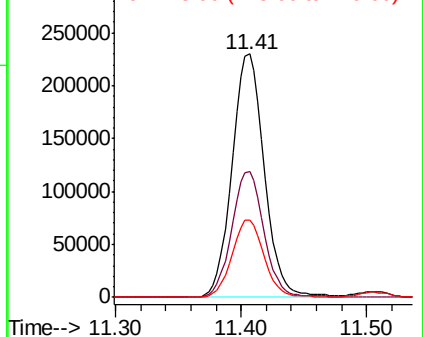


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.140 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.0	154.6
129	83.0	70.6	105.8
131	86.2	68.6	102.8

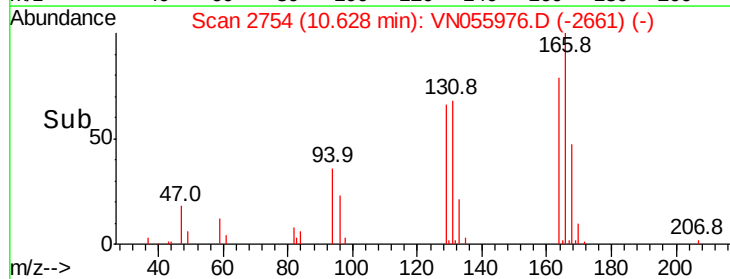
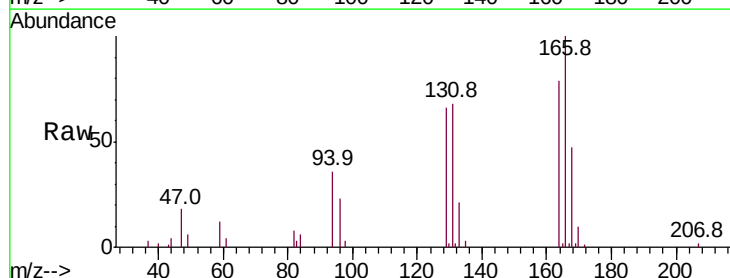
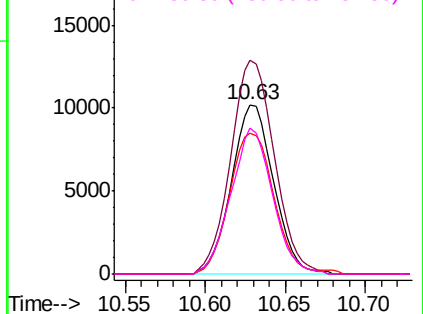
Abundance

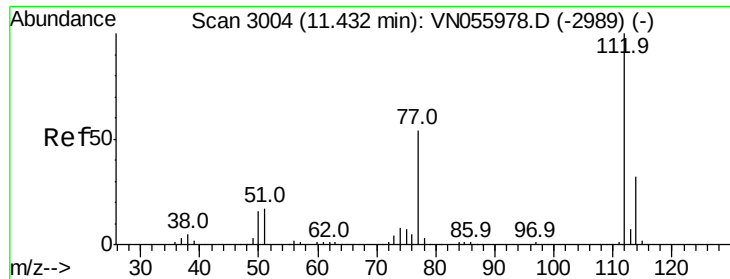
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





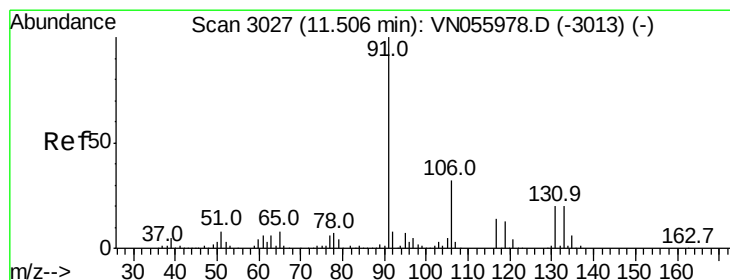
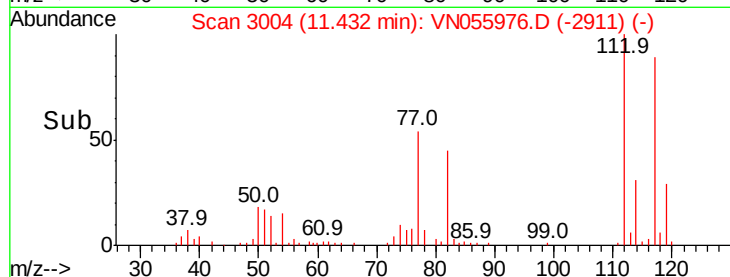
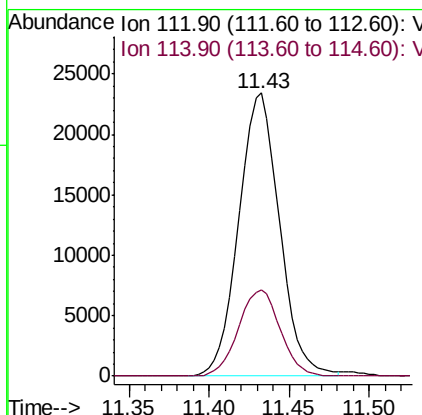
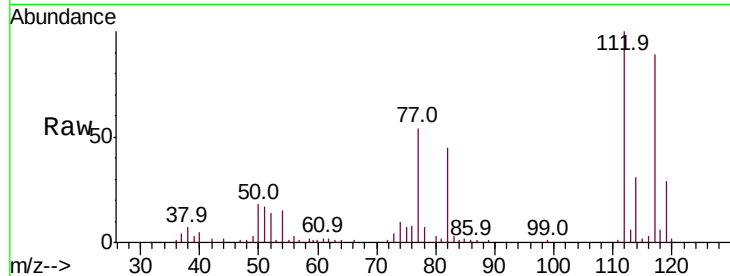
#65
Chlorobenzene
Concen: 4.968 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:112 Resp: 40713
Ion Ratio Lower Upper
112 100
114 30.7 26.2 39.4

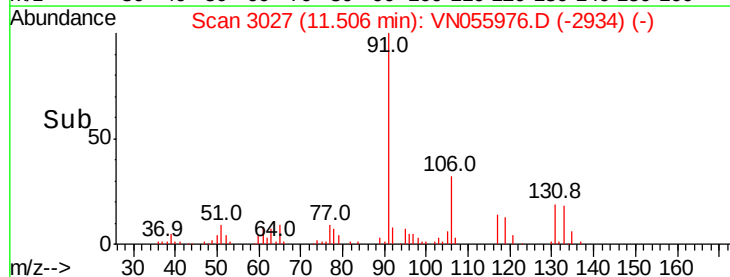
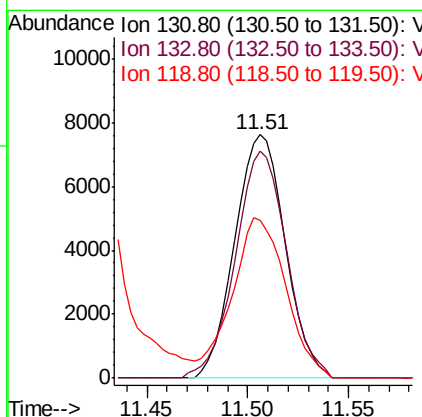
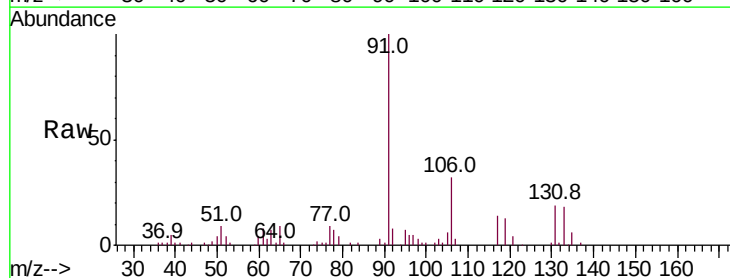
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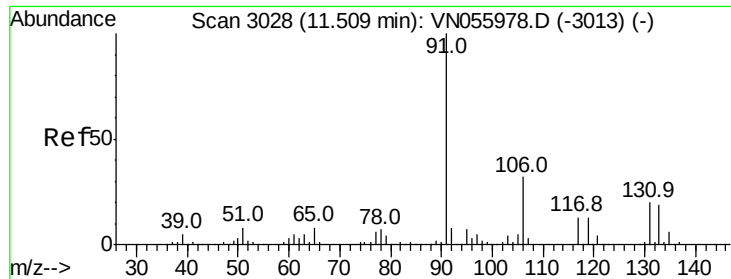
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.718 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion:131 Resp: 13350
Ion Ratio Lower Upper
131 100
133 94.6 48.0 144.0
119 70.2 33.1 99.5





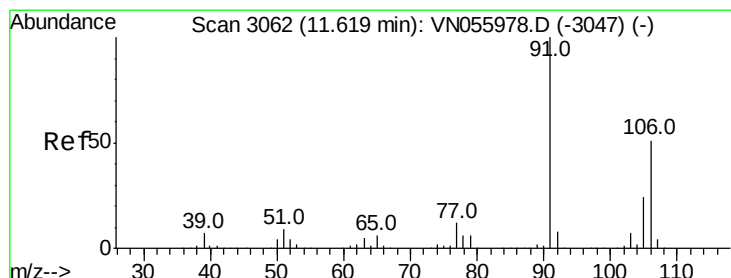
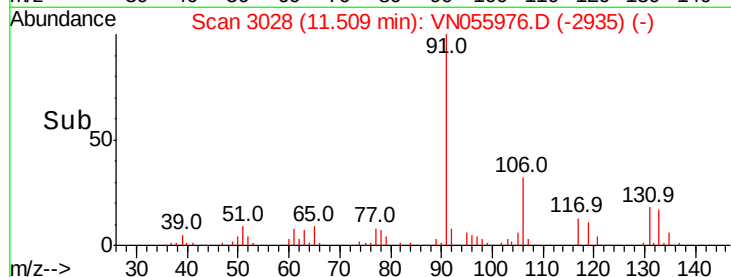
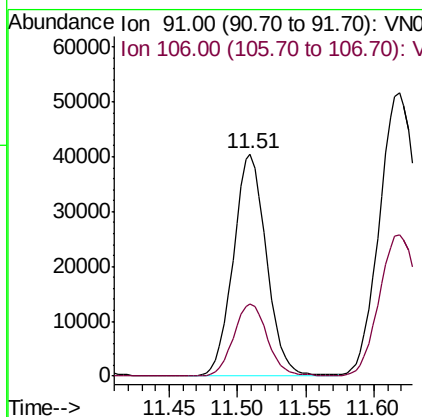
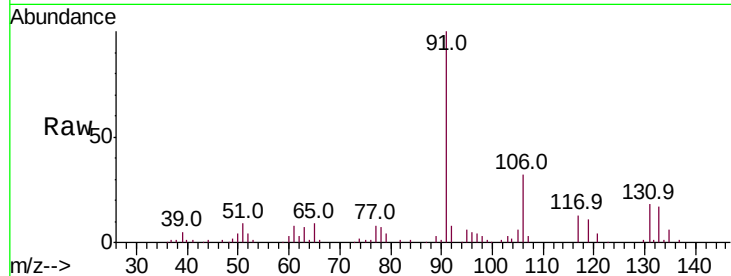
#67
Ethyl Benzene
Concen: 4.807 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 68496
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7

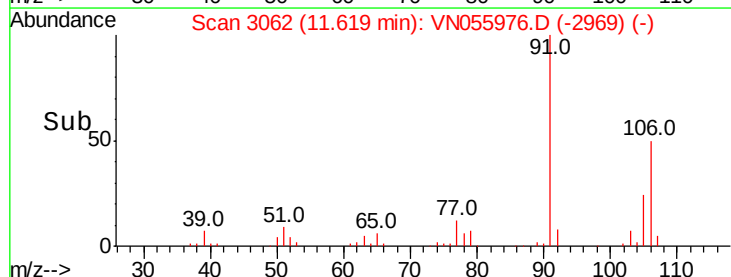
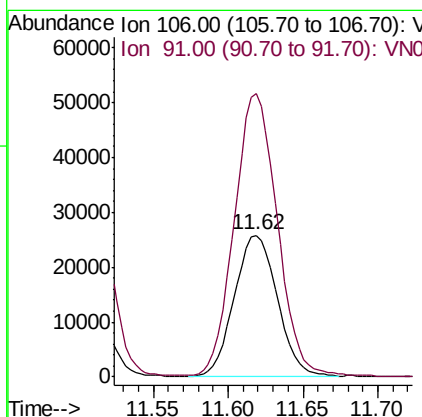
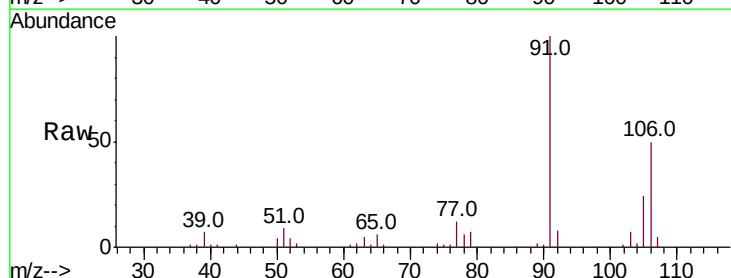
Manual Integrations
APPROVED

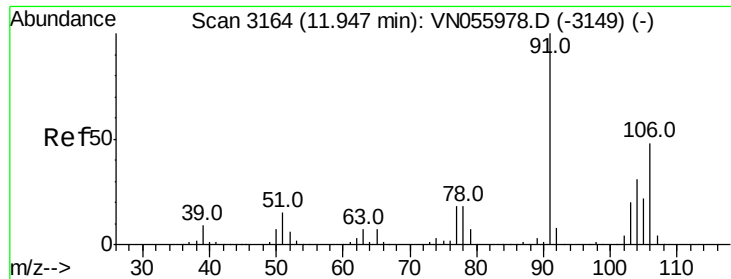
MMDadoda
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#68
m/p-Xylenes
Concen: 9.555 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion: 106 Resp: 52011
Ion Ratio Lower Upper
106 100
91 200.3 159.3 238.9





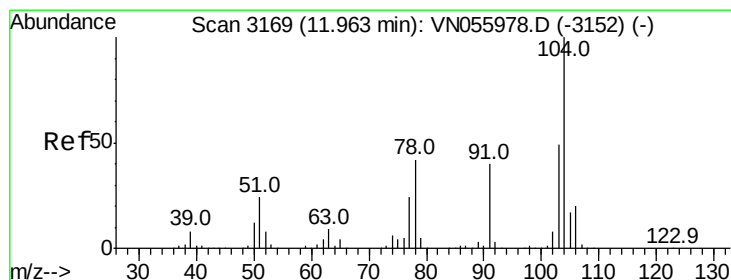
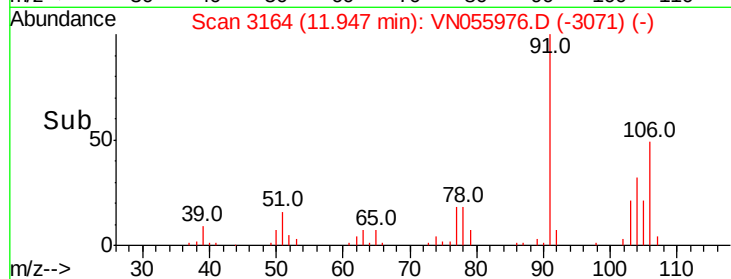
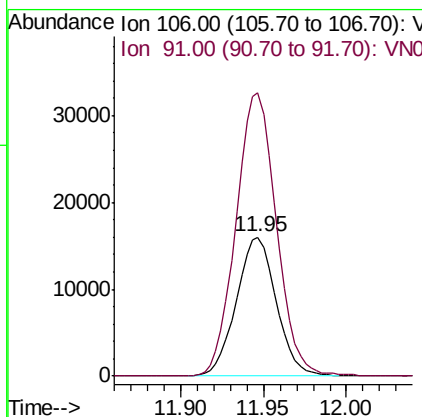
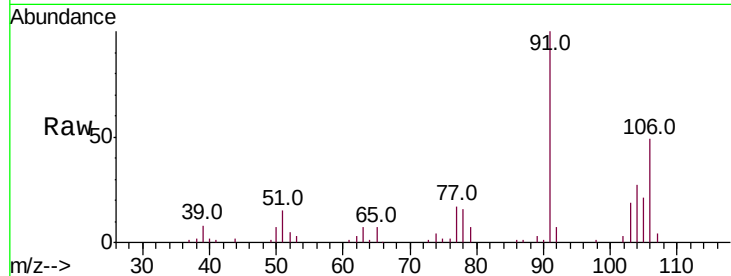
#69
o-Xylene
Concen: 5.013 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 26841
Ion Ratio Lower Upper
106 100
91 206.7 104.7 314.1

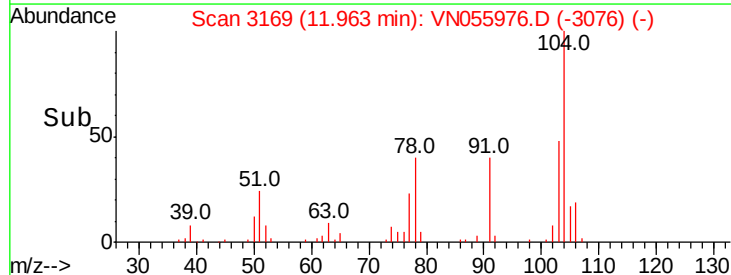
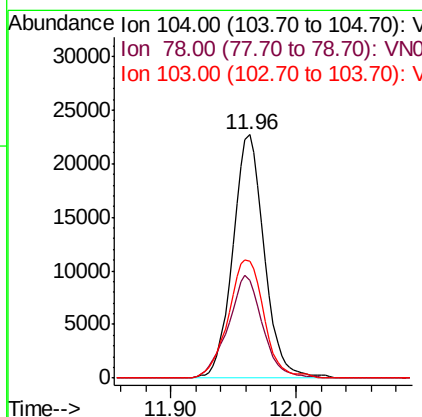
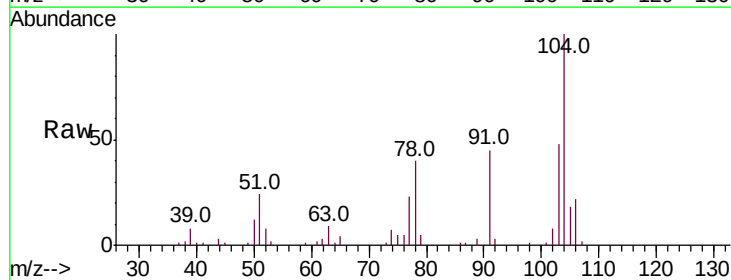
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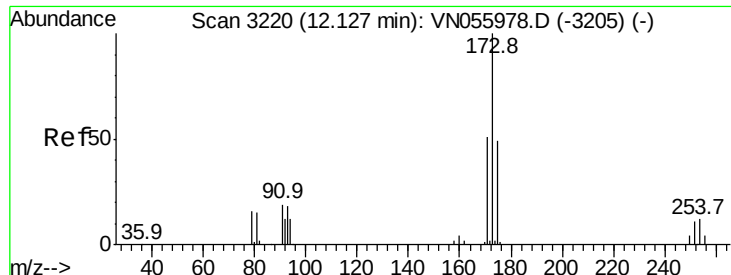
MMDadoda
6/5/2019 4:03:26 PM



#70
Styrene
Concen: 4.652 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion:104 Resp: 39577
Ion Ratio Lower Upper
104 100
78 46.0 37.8 56.6
103 55.2 44.2 66.2





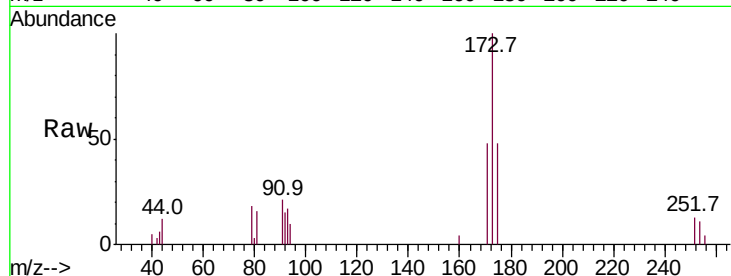
#71
Bromoform
Concen: 3.986 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

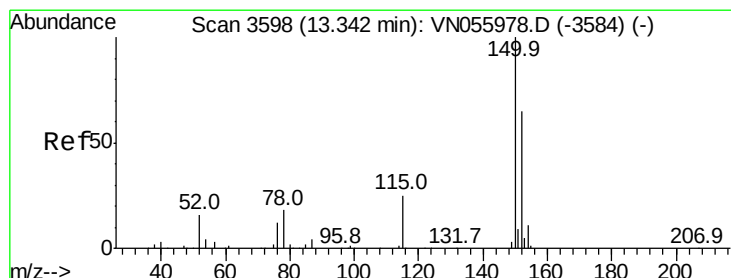
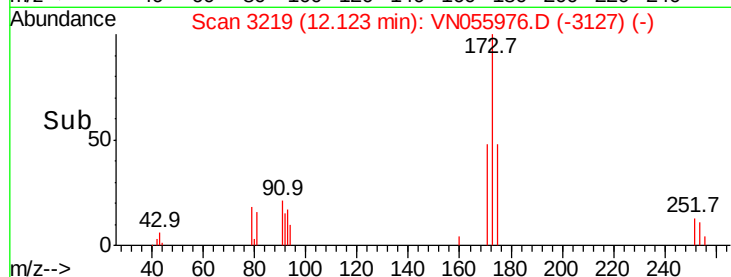
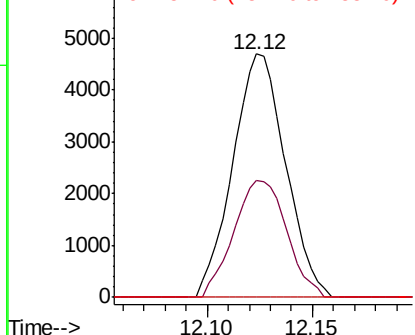
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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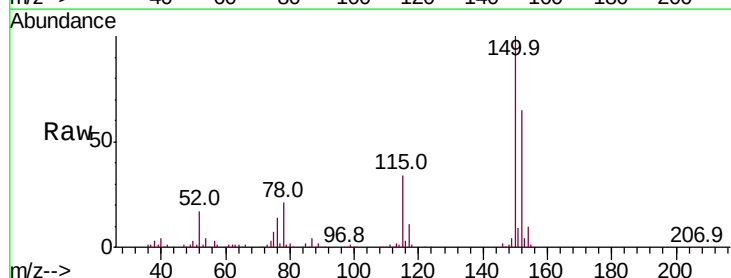


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

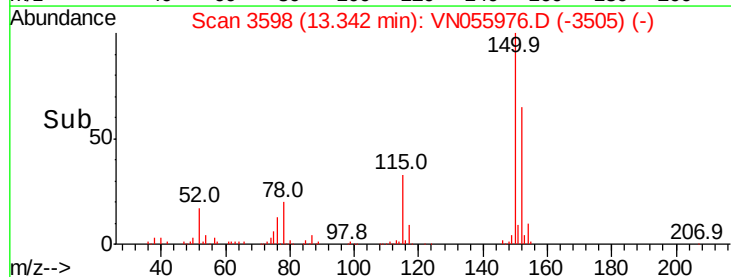
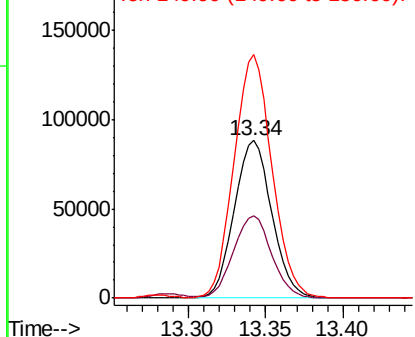


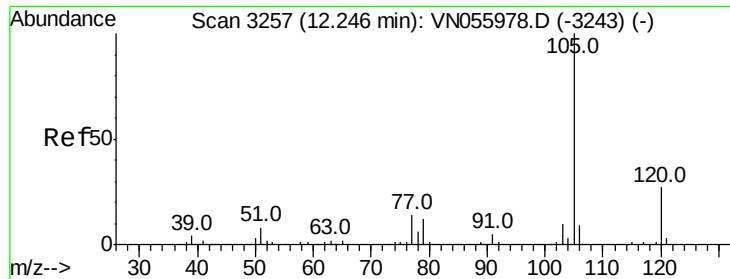
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.0	27.0	81.0
150	156.4	0.0	343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.644 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

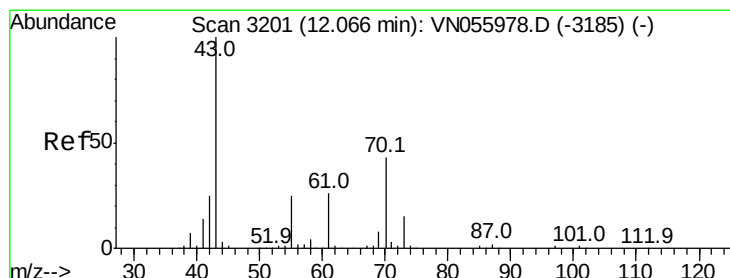
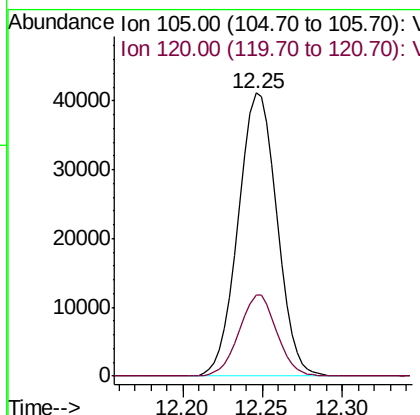
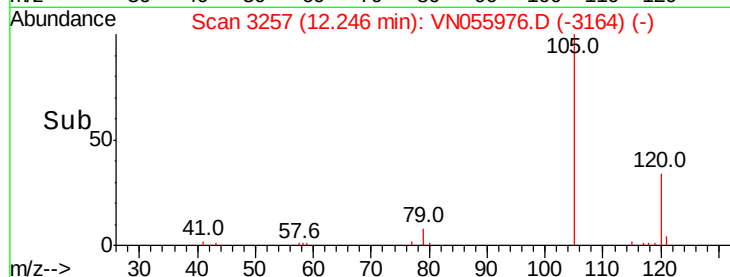
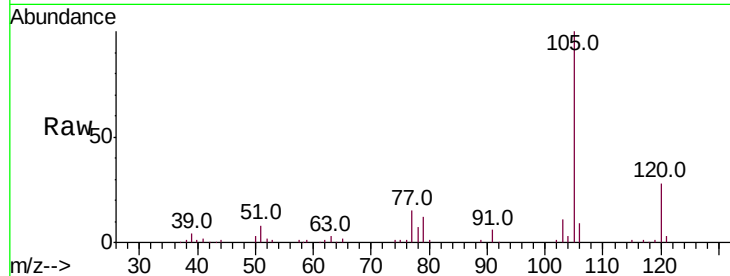
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:105 Resp: 67921

Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.6	40.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 5.454 ug/l

RT: 12.07 min Scan# 3202

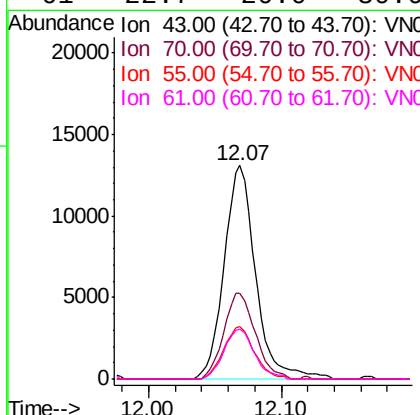
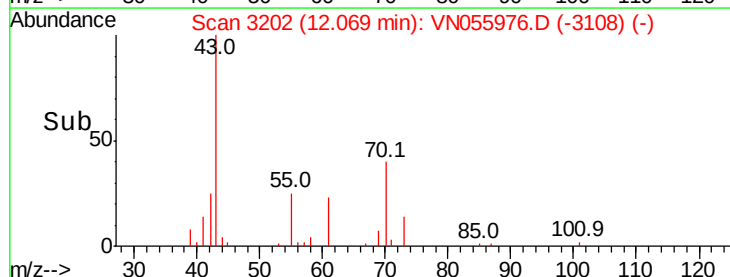
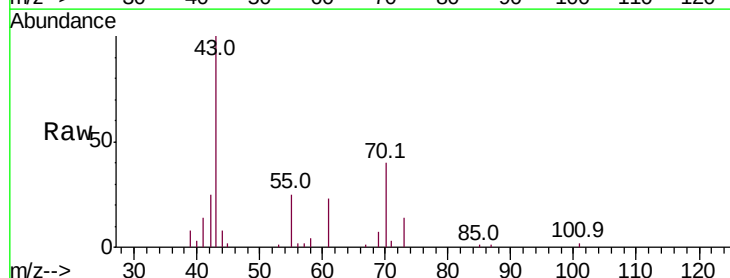
Delta R.T. 0.00 min

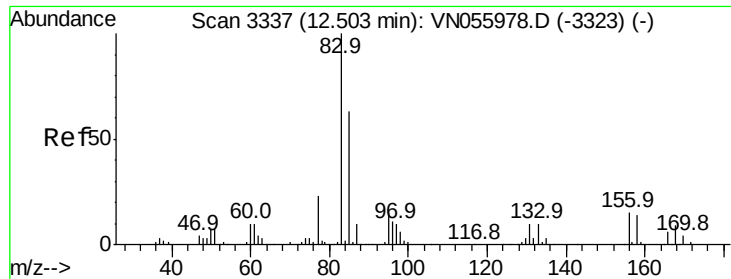
Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Tgt Ion: 43 Resp: 21620

Ion	Ratio	Lower	Upper
43	100		
70	40.1	34.0	51.0
55	24.0	18.6	28.0
61	22.7	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.612 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

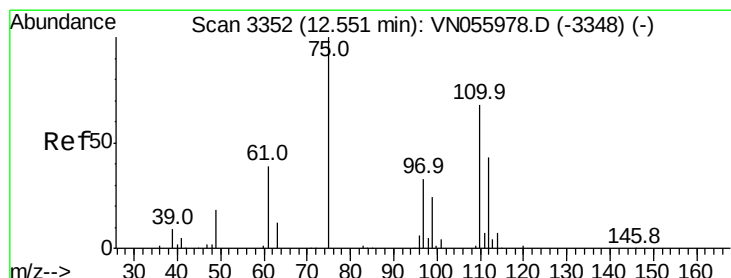
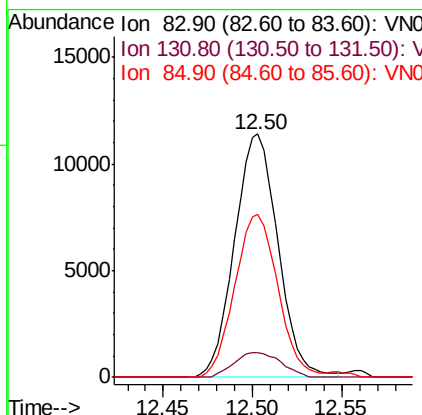
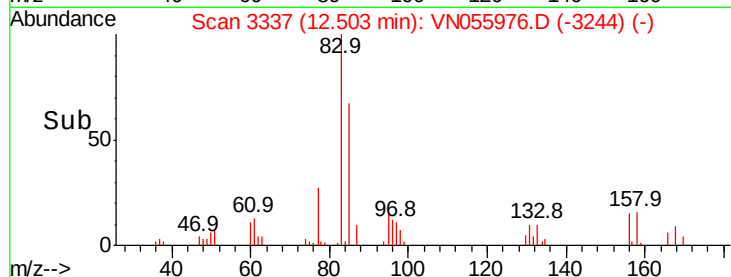
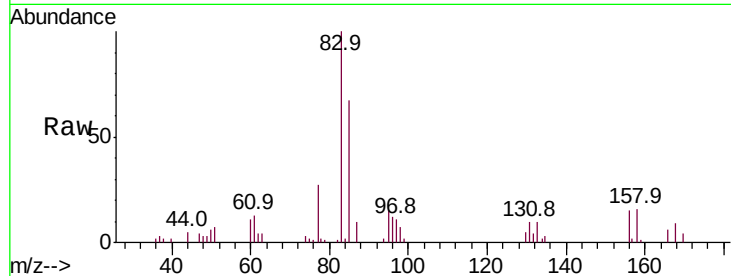
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	19373
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	66.2	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.373 ug/l m

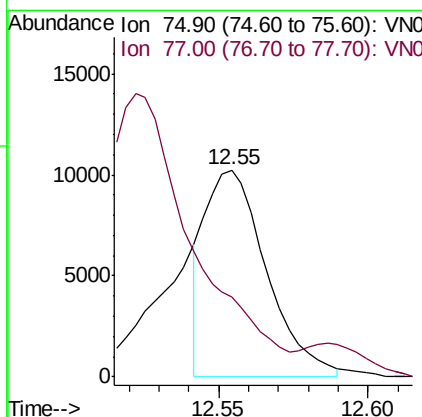
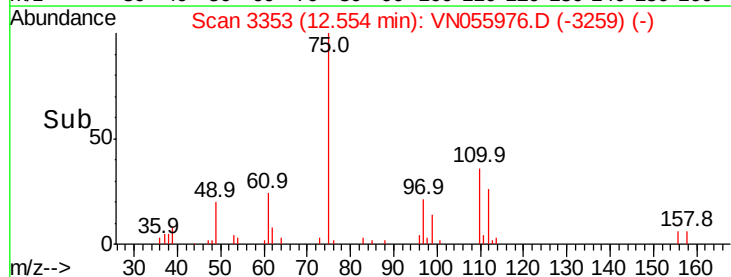
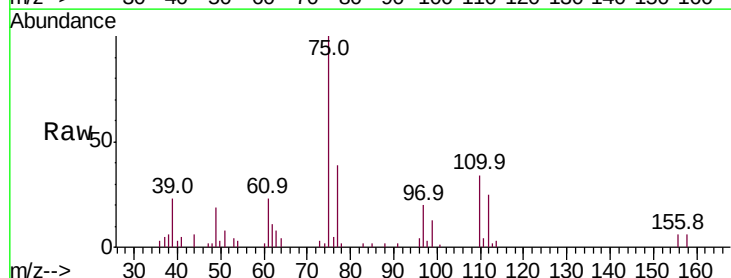
RT: 12.55 min Scan# 3353

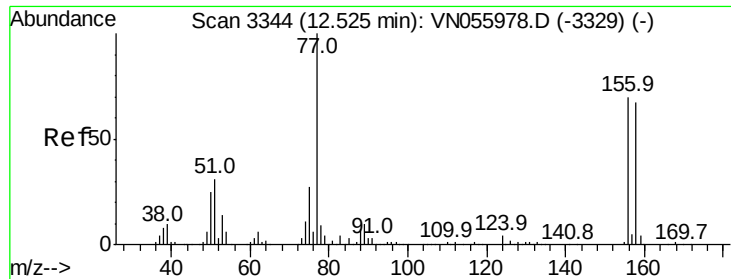
Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Tgt Ion:	75	Resp:	14701
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





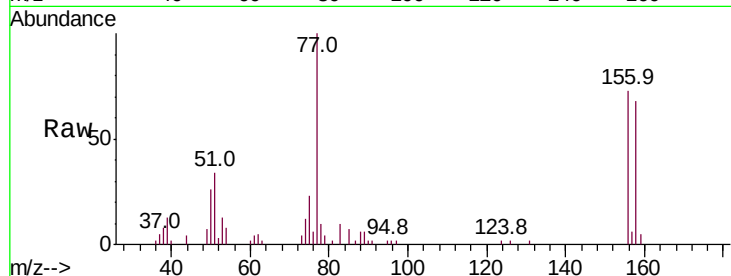
#77
Bromobenzene
Concen: 5.583 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

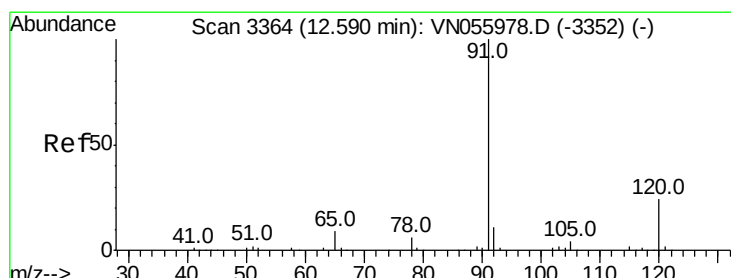
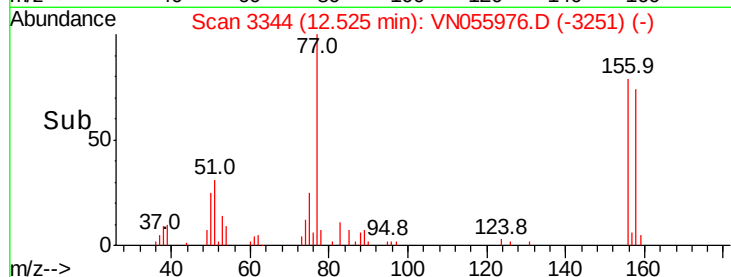
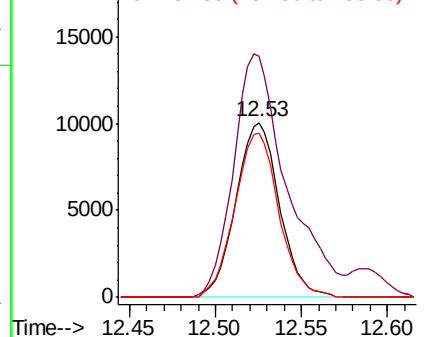
Tot Ion	Ratio	Lower	Upper
156	100		
77	170.7	90.8	272.5
158	95.0	49.3	147.8

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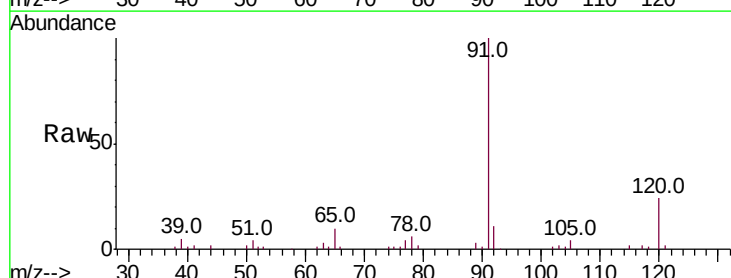


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

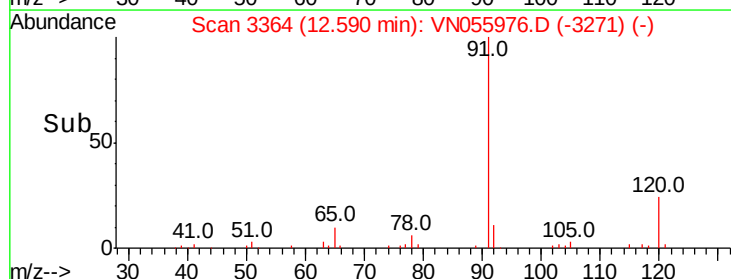
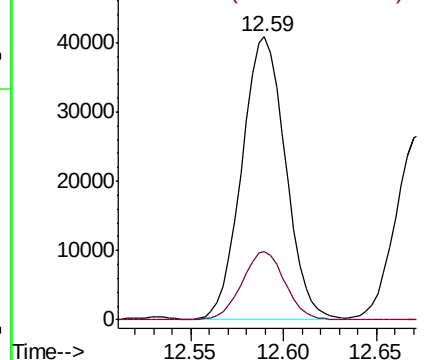


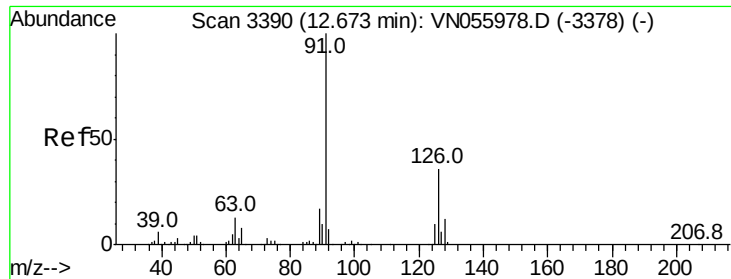
#78
n-propylbenzene
Concen: 5.355 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





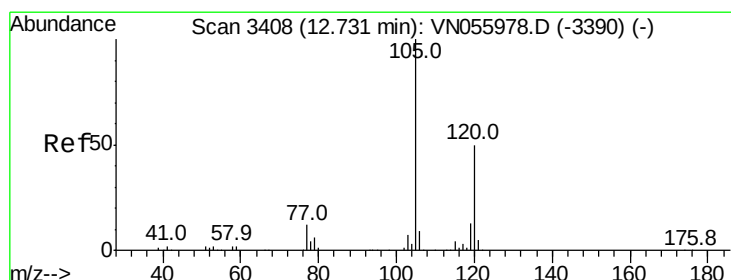
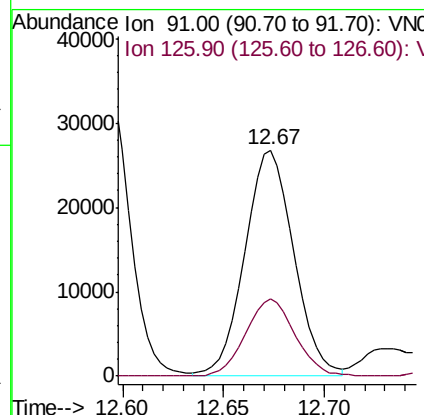
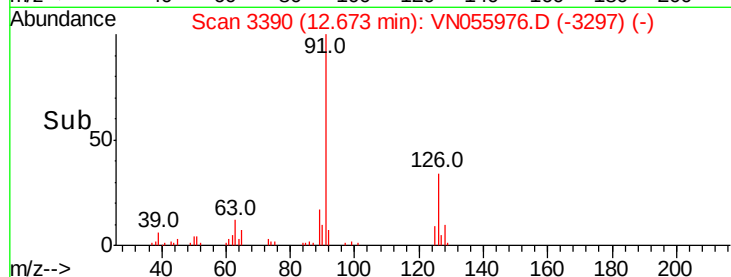
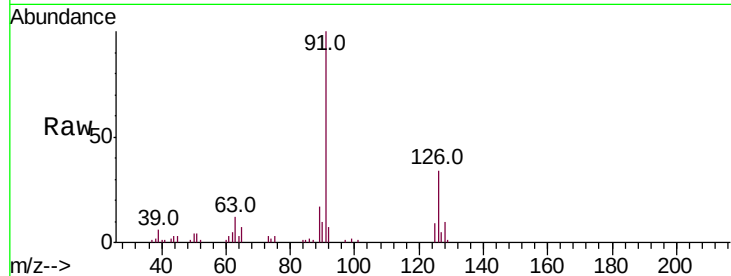
#79
2-Chlorotoluene
Concen: 5.771 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.3	18.1	54.4

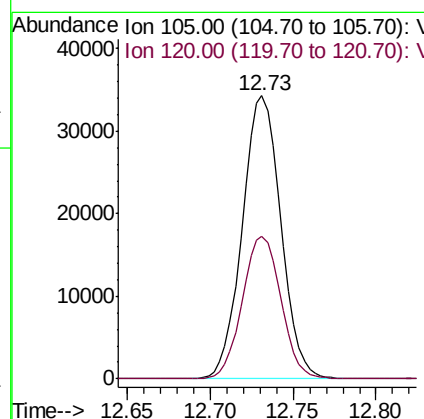
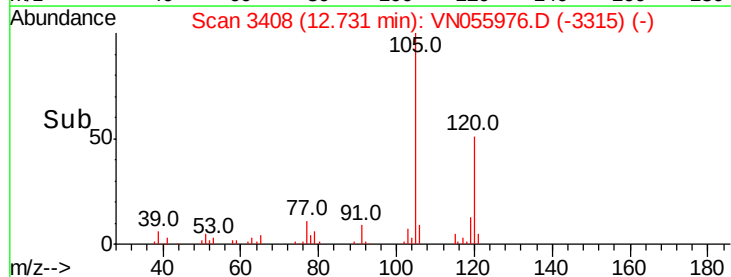
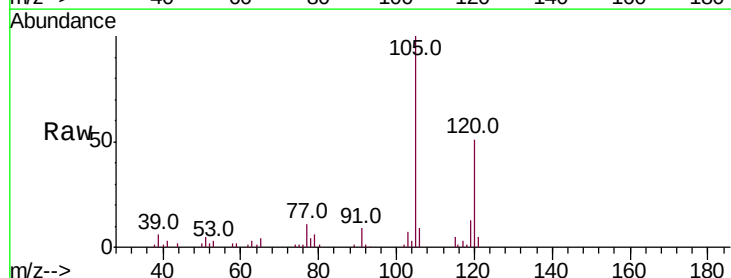
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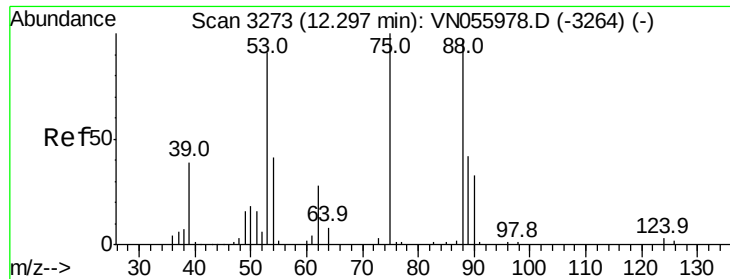
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#80
1,3,5-Trimethylbenzene
Concen: 5.566 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.2	24.7	74.1





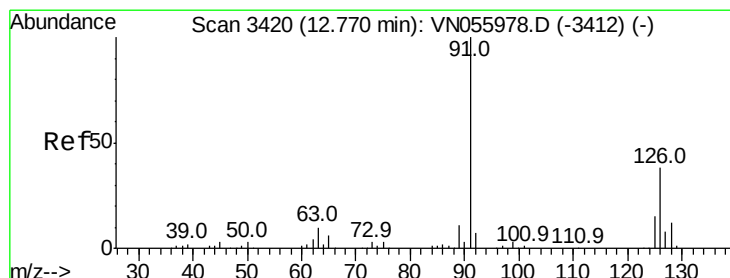
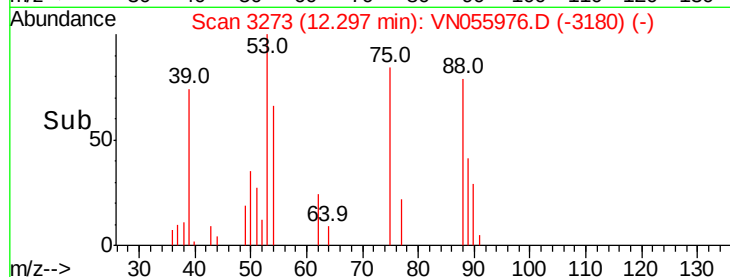
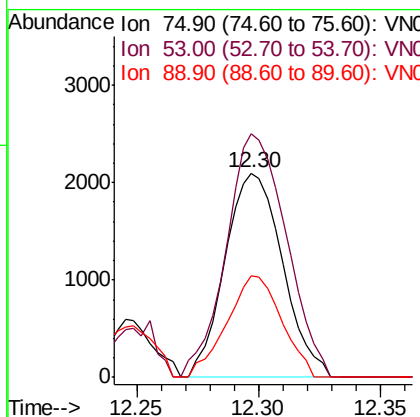
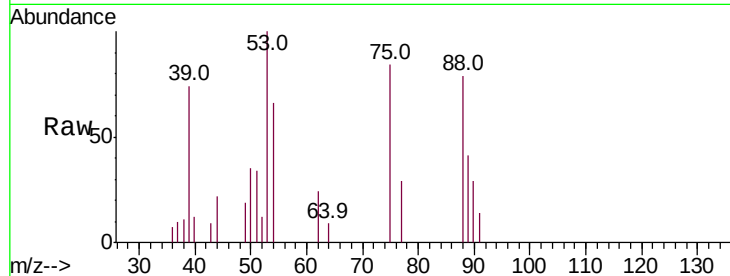
#81
trans-1,4-Dichloro-2-butene
Concen: 4.182 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 3436
Ion Ratio Lower Upper
75 100
53 124.4 68.1 102.1#
89 47.1 36.9 55.3

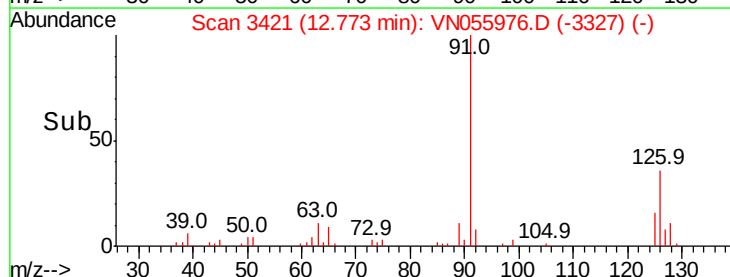
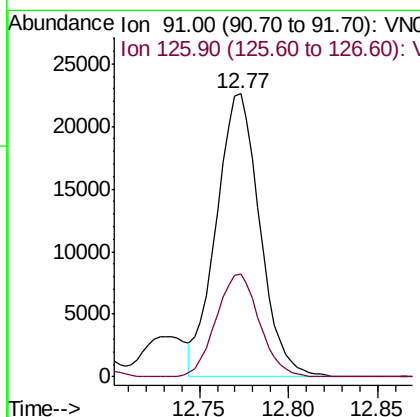
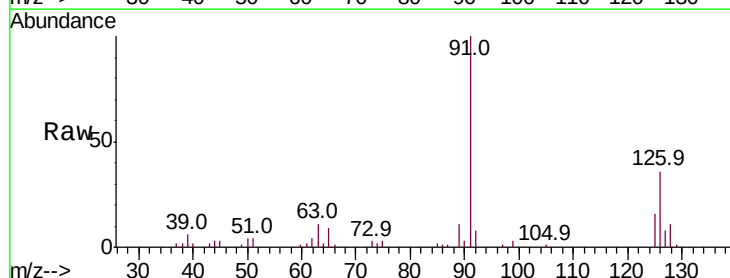
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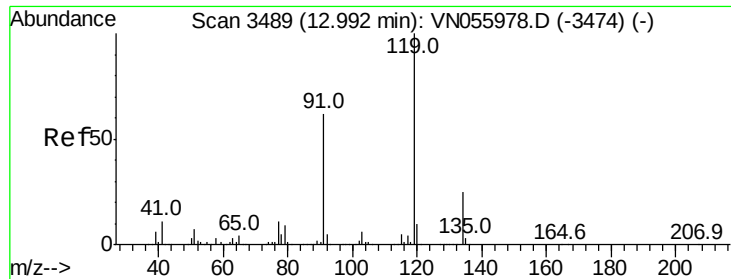
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#82
4-Chlorotoluene
Concen: 5.224 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion: 91 Resp: 38448
Ion Ratio Lower Upper
91 100
126 36.0 17.8 53.3





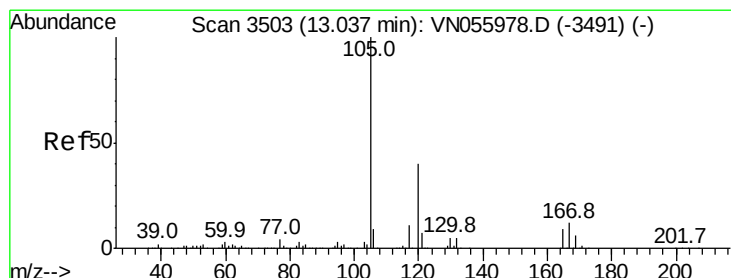
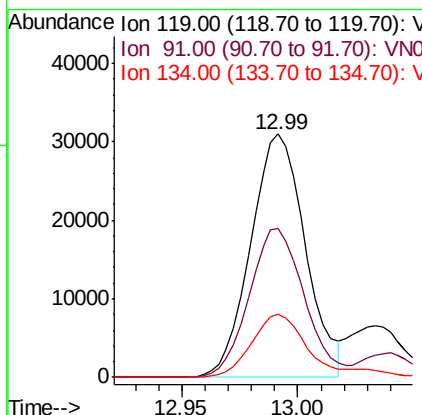
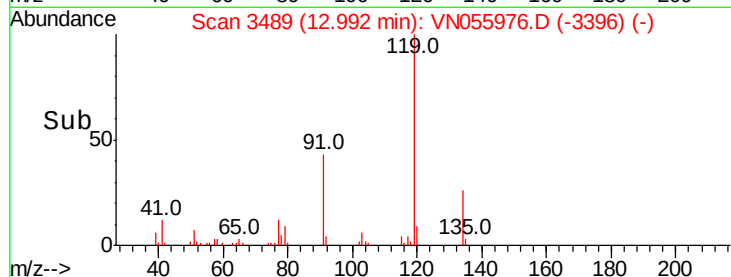
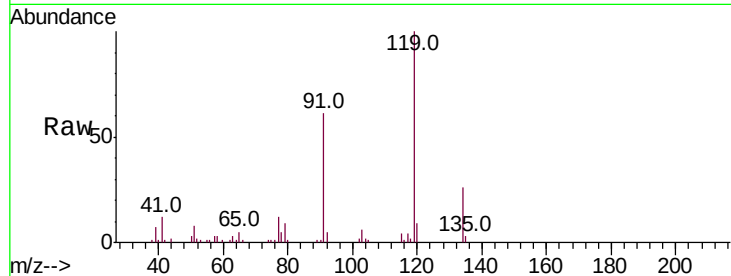
#83
tert-Butylbenzene
Concen: 5.716 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.6	30.9	92.8
134	27.7	13.3	39.8

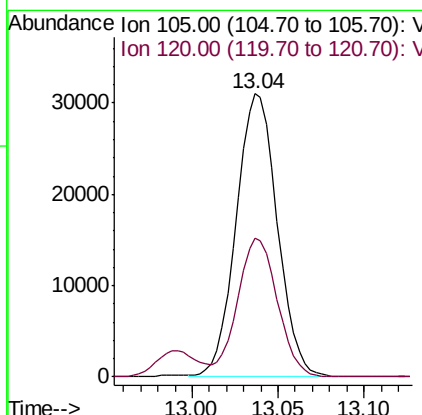
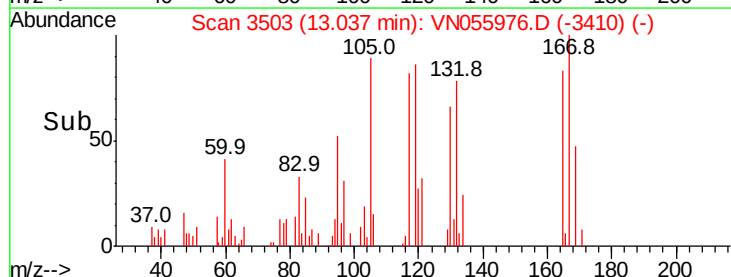
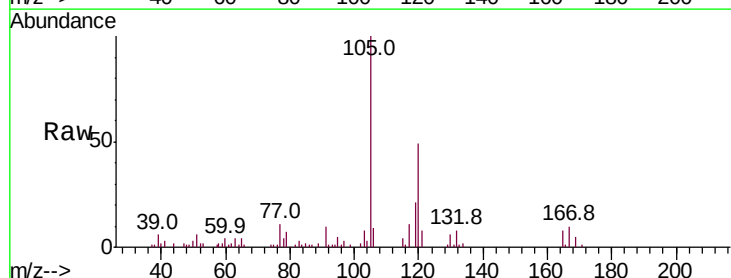
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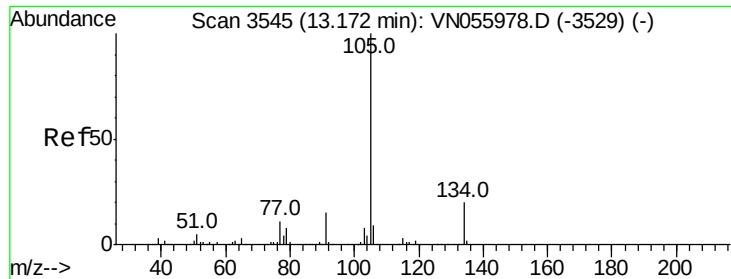
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#84
1,2,4-Trimethylbenzene
Concen: 5.444 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.0	69.0





#85

sec-Butylbenzene

Concen: 5.426 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 60458

Ion Ratio Lower Upper

105 100

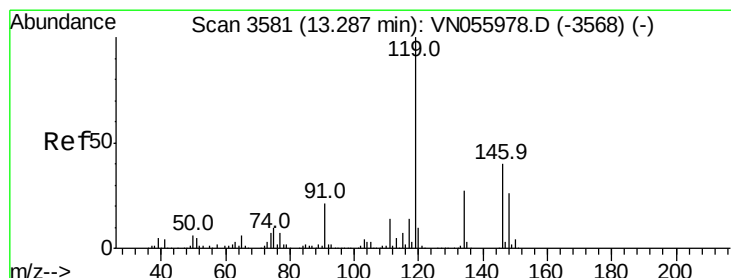
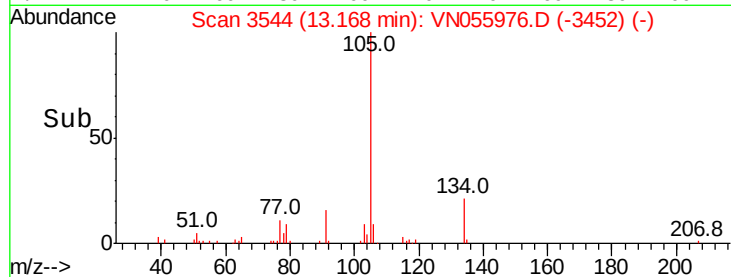
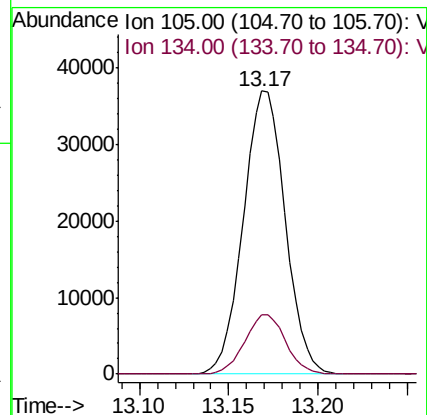
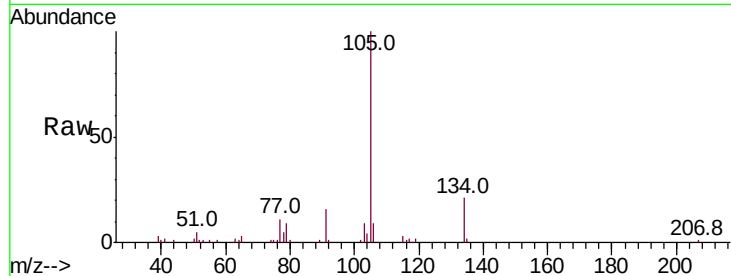
134 20.5 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 5.218 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

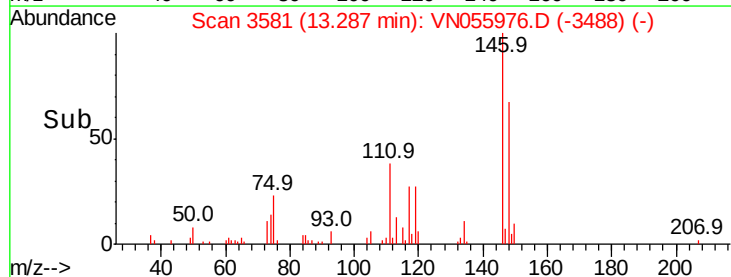
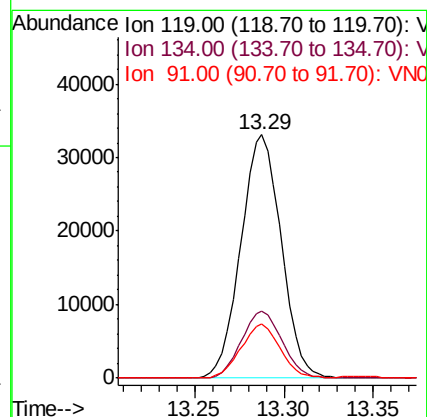
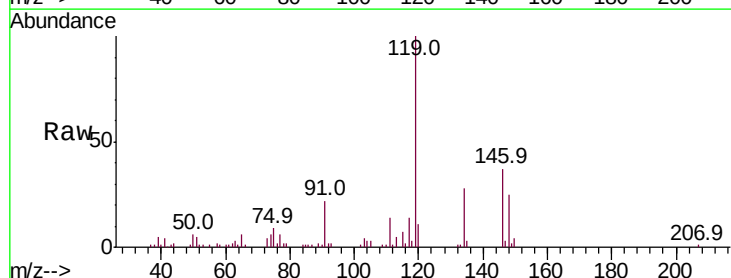
Tgt Ion:119 Resp: 52033

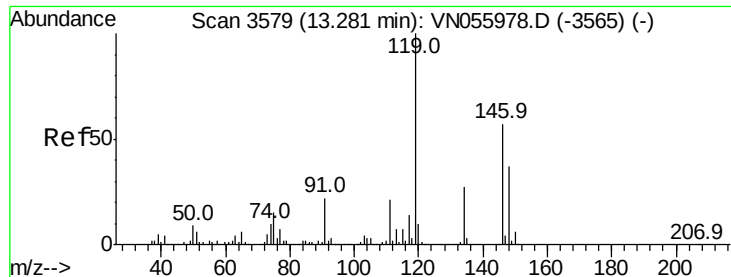
Ion Ratio Lower Upper

119 100

134 27.6 13.4 40.1

91 21.5 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 5.008 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055976.D

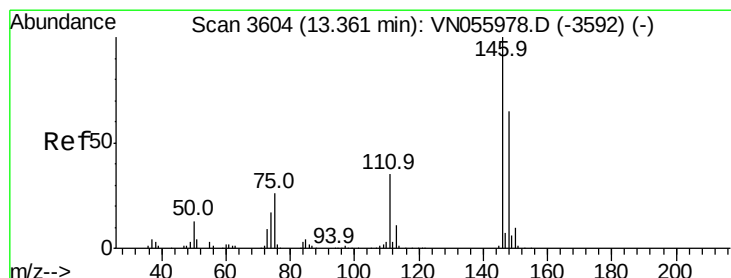
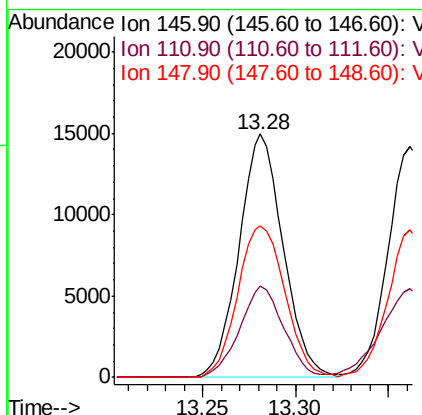
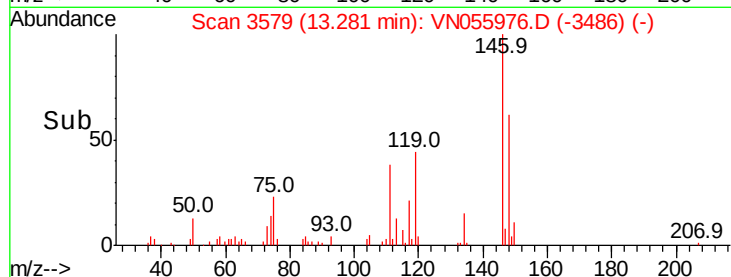
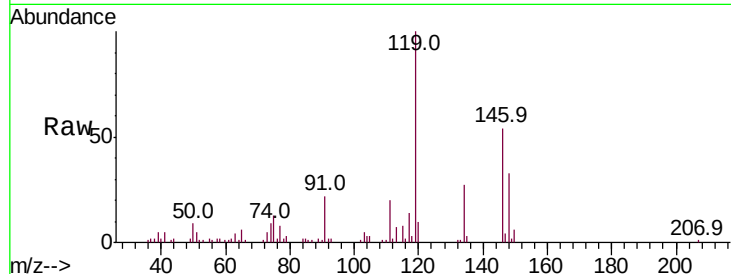
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.5	55.5
148	66.6	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.021 ug/l

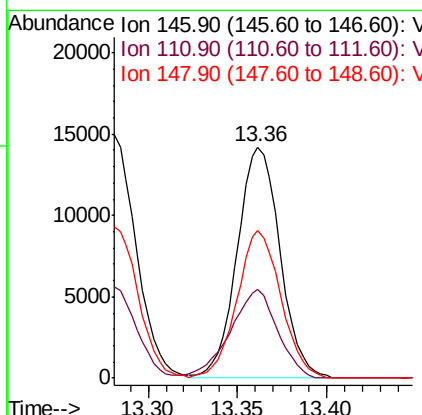
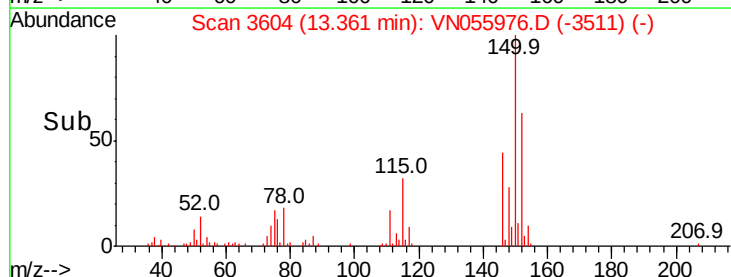
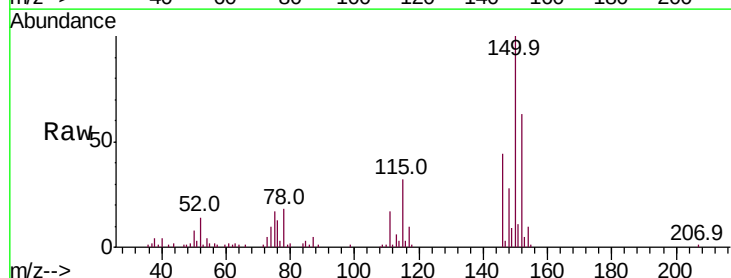
RT: 13.36 min Scan# 3604

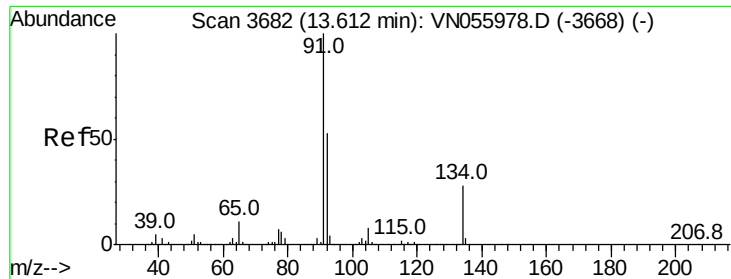
Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	18.1	54.4
148	65.2	32.1	96.5





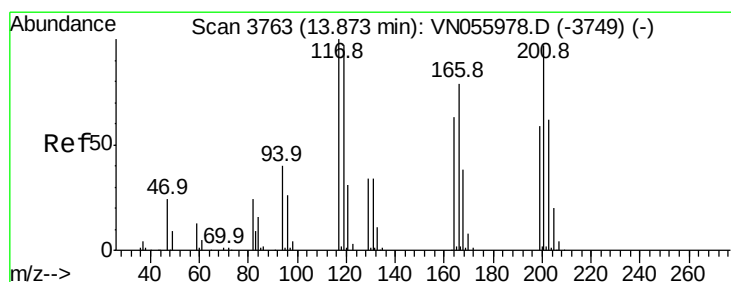
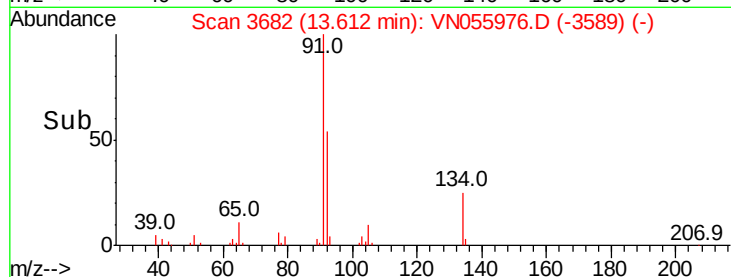
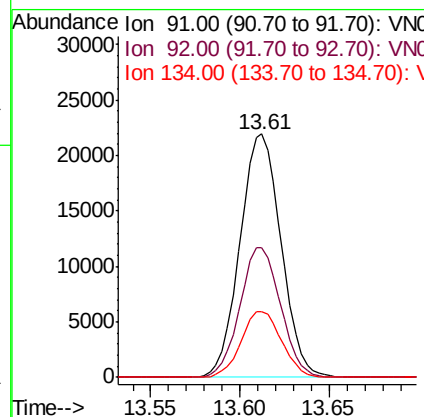
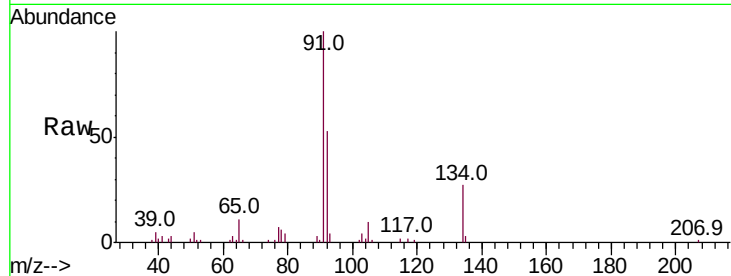
#89
n-Butylbenzene
Concen: 4.773 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.0
134	26.7	13.9	41.7

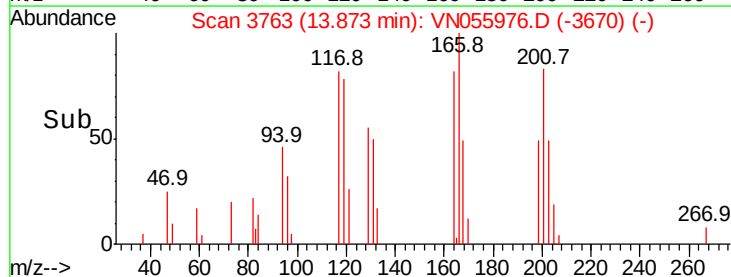
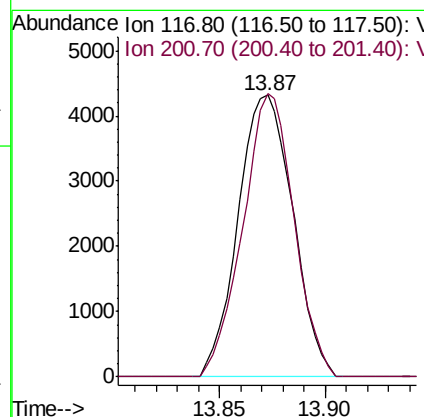
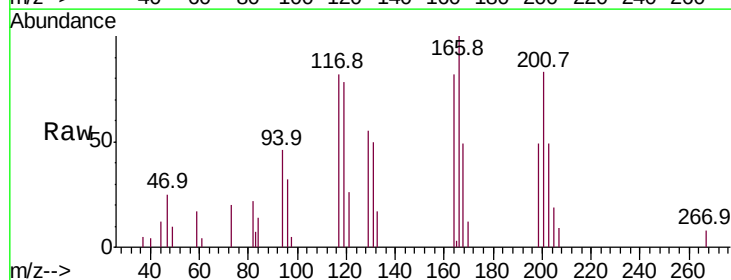
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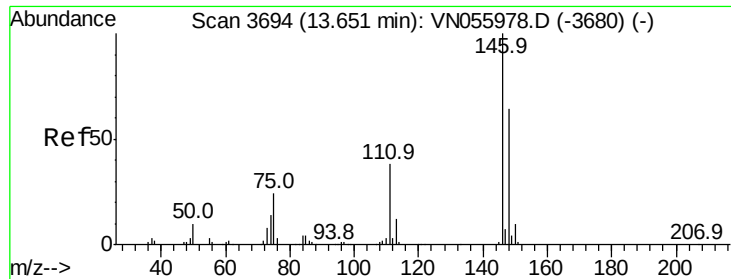
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#90
Hexachloroethane
Concen: 5.183 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.8	50.0	150.0





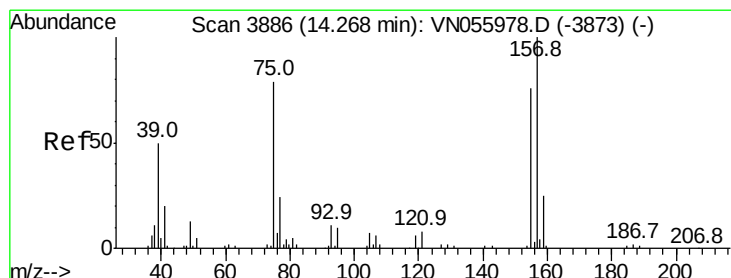
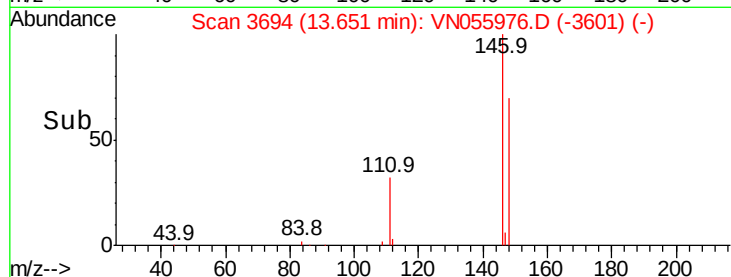
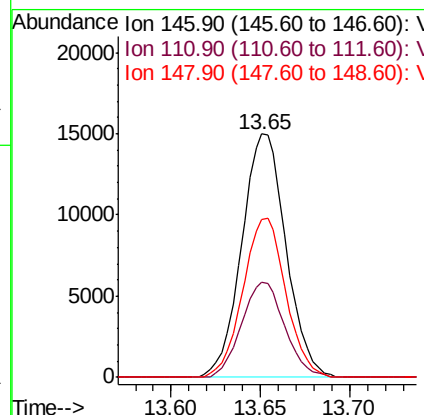
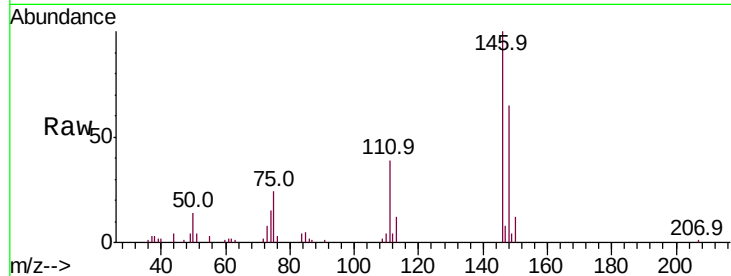
#91
 1,2-Dichlorobenzene
 Concen: 5.219 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	63.3	31.9	95.9

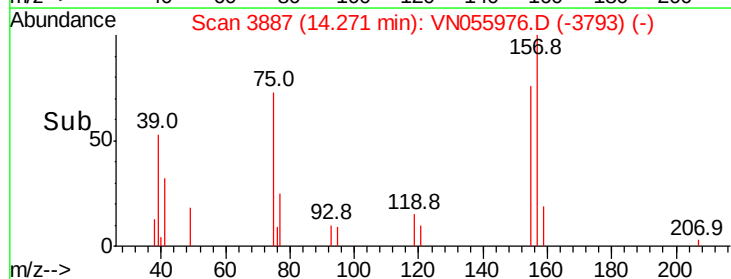
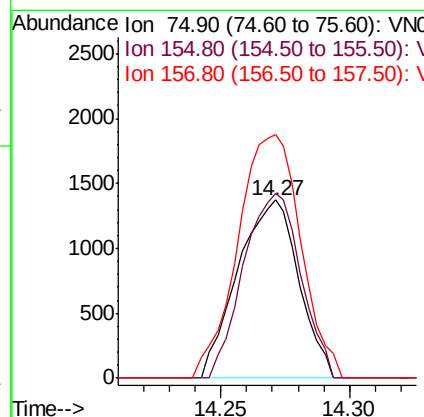
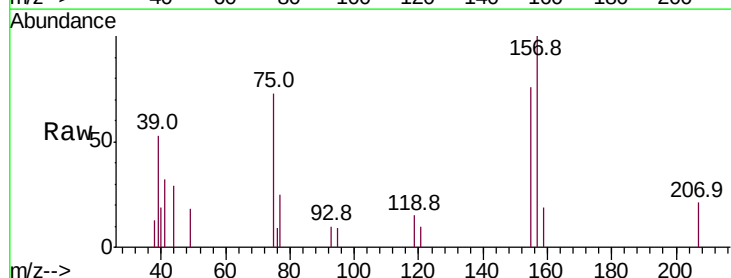
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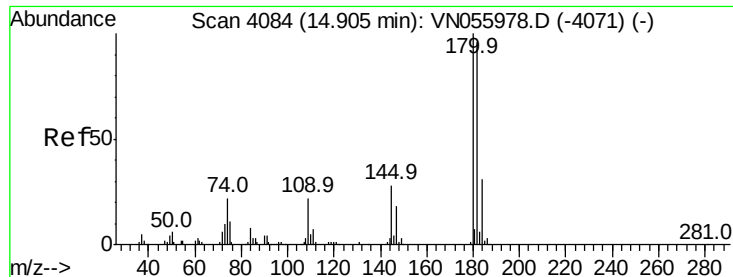
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.571 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	50.0	150.1
157	141.6	64.8	194.3





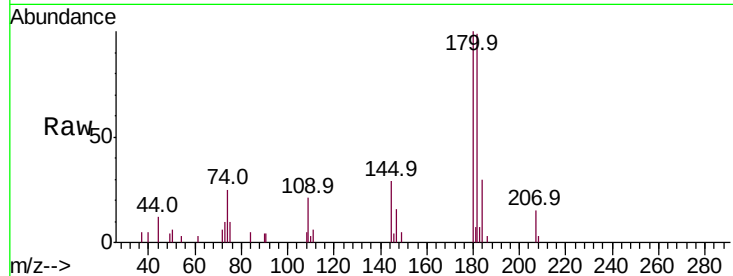
#93
 1,2,4-Trichlorobenzene
 Concen: 3.673 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

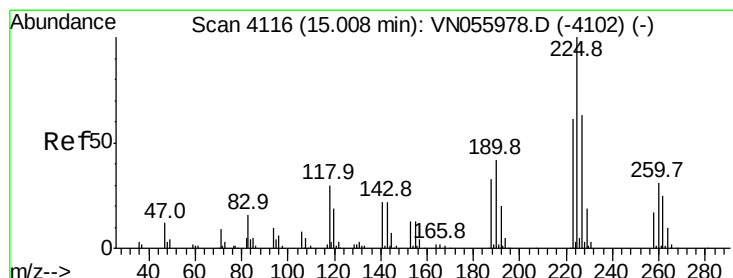
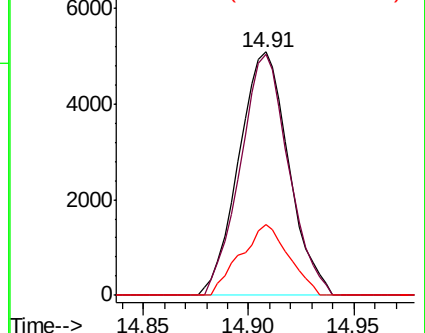
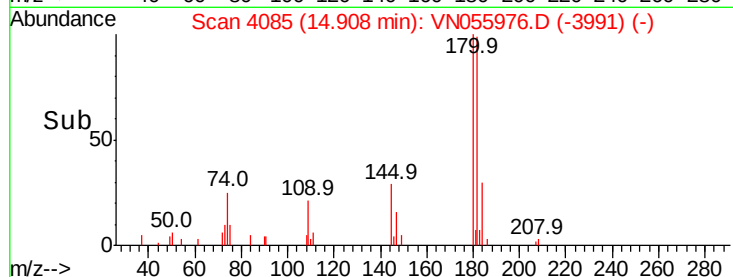
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	48.3	144.9	
145	27.9	14.0	41.9	

Manual Integrations
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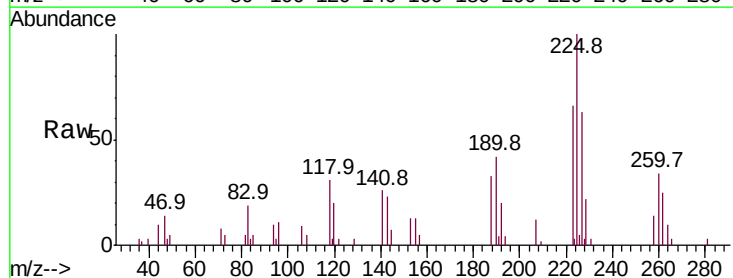


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

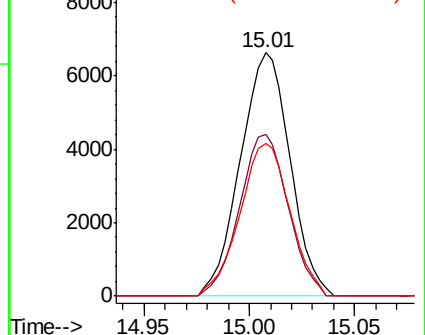
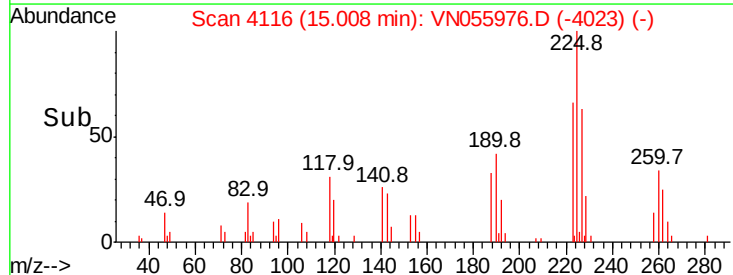


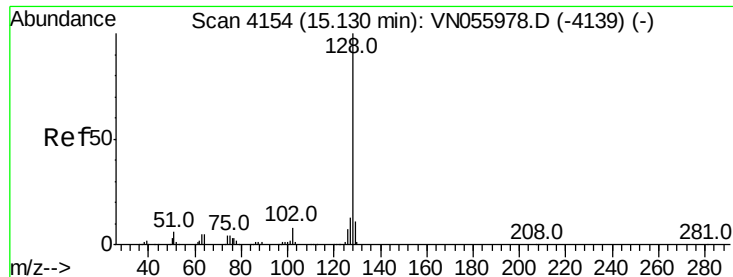
#94
 Hexachlorobutadiene
 Concen: 5.610 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.9	30.9	92.7	
227	63.3	31.6	94.7	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.678 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

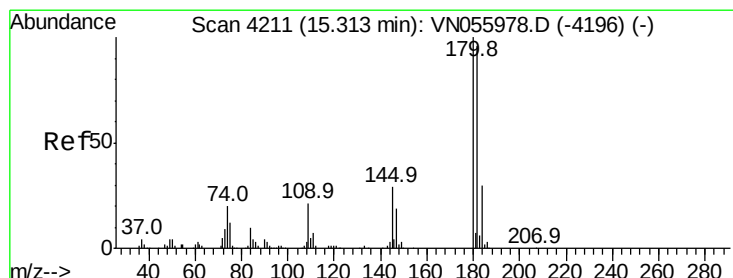
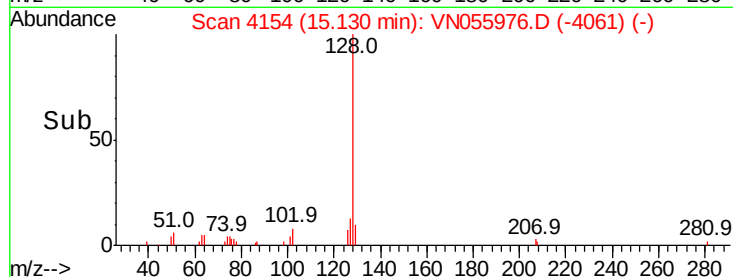
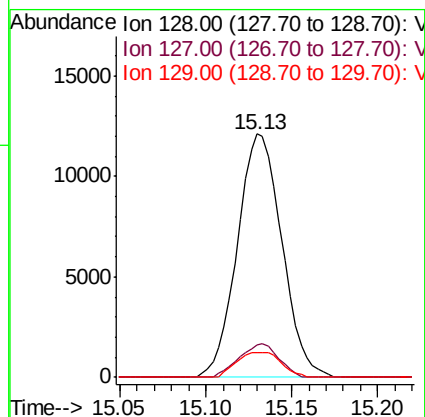
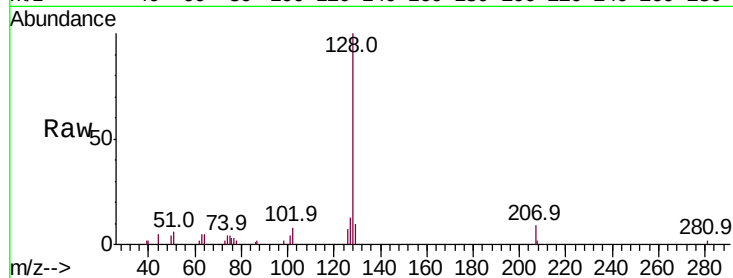
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	21742
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.3	15.5
129	10.2	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 4.056 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Tgt Ion:	180	Resp:	9857
Ion Ratio	Lower	Upper	
180	100		
182	98.3	47.9	143.7
145	30.1	14.9	44.7

