

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN059990.D
 Acq On : 4 Feb 2020 13:27
 Operator : JC/MD
 Sample : L1346-05
 Misc : 6.46g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PD-3-(35-37)

Quant Time: Feb 05 01:21:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	310523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	306912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	163265	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	112927	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
35) Dibromofluoromethane	7.56	113	90711	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
50) Toluene-d8	10.08	98	425851	59.35	ug/l	0.00
Spiked Amount			Recovery	=	118.70%	
62) 4-Bromofluorobenzene	12.40	95	168682	65.22	ug/l	0.00
Spiked Amount			Recovery	=	130.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.91	142	630	0.224	ug/l #	39
11) Tert butyl alcohol	4.71	59	1304	3.509	ug/l #	72
13) Acrolein	3.75	56	1009	3.836	ug/l #	25
14) Allyl chloride	4.54	41	144083	58.780	ug/l #	66
15) Acrylonitrile	5.00	53	10483	12.367	ug/l #	42
16) Acetone	3.75	43	5115	Below Cal	#	45
17) Carbon Disulfide	4.01	76	1114	0.215	ug/l #	75
18) Methyl Acetate	4.55	43	308946	119.819	ug/l #	54
20) Methylene Chloride	4.52	84	1742	Below Cal	#	3
25) 2-Butanone	6.78	43	4235	3.388	ug/l #	50
26) 2,2-Dichloropropane	6.58	77	793	0.243	ug/l #	55
29) Tetrahydrofuran	7.18	42	1212	1.567	ug/l #	35
30) Chloroform	7.29	83	41549	11.814	ug/l #	17
31) Cyclohexane	7.61	56	195222	59.773	ug/l #	55
36) 1,1-Dichloropropene	7.64	75	14249	5.269	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18591	6.320	ug/l #	16
39) Methylcyclohexane	9.06	83	530879	159.218	ug/l	96
41) Methacrylonitrile	7.18	41	10424	8.344	ug/l #	100
43) Isopropyl Acetate	8.13	43	86792	19.895	ug/l #	56
45) 1,2-Dichloropropane	9.13	63	922	0.462	ug/l #	1
47) Bromodichloromethane	9.37	83	65563	23.112	ug/l #	25
48) Methyl methacrylate	9.12	41	90732	46.498	ug/l #	43
51) 4-Methyl-2-Pentanone	10.01	43	30618	12.141	ug/l #	76
55) 1,1,2-Trichloroethane	10.52	97	181051	89.738	ug/l #	18
56) Ethyl methacrylate	10.42	69	32865	10.661	ug/l #	50
58) 2-Chloroethyl Vinyl ether	9.65	63	663	0.714	ug/l #	50
59) 2-Hexanone	10.71	43	221393	119.168	ug/l #	32
61) 1,2-Dibromoethane	10.97	107	1770	0.837	ug/l #	1
67) Ethyl Benzene	11.51	91	17961	1.640	ug/l	100
68) m/p-Xylenes	11.62	106	2281	0.551	ug/l #	1
73) Isopropylbenzene	12.25	105	124695	10.414	ug/l	100
74) N-amyl acetate	12.04	43	97398	20.963	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.55	83	18942	5.457	ug/l #	56
76) 1,2,3-Trichloropropane	12.59	75	4967	1.808	ug/l #	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

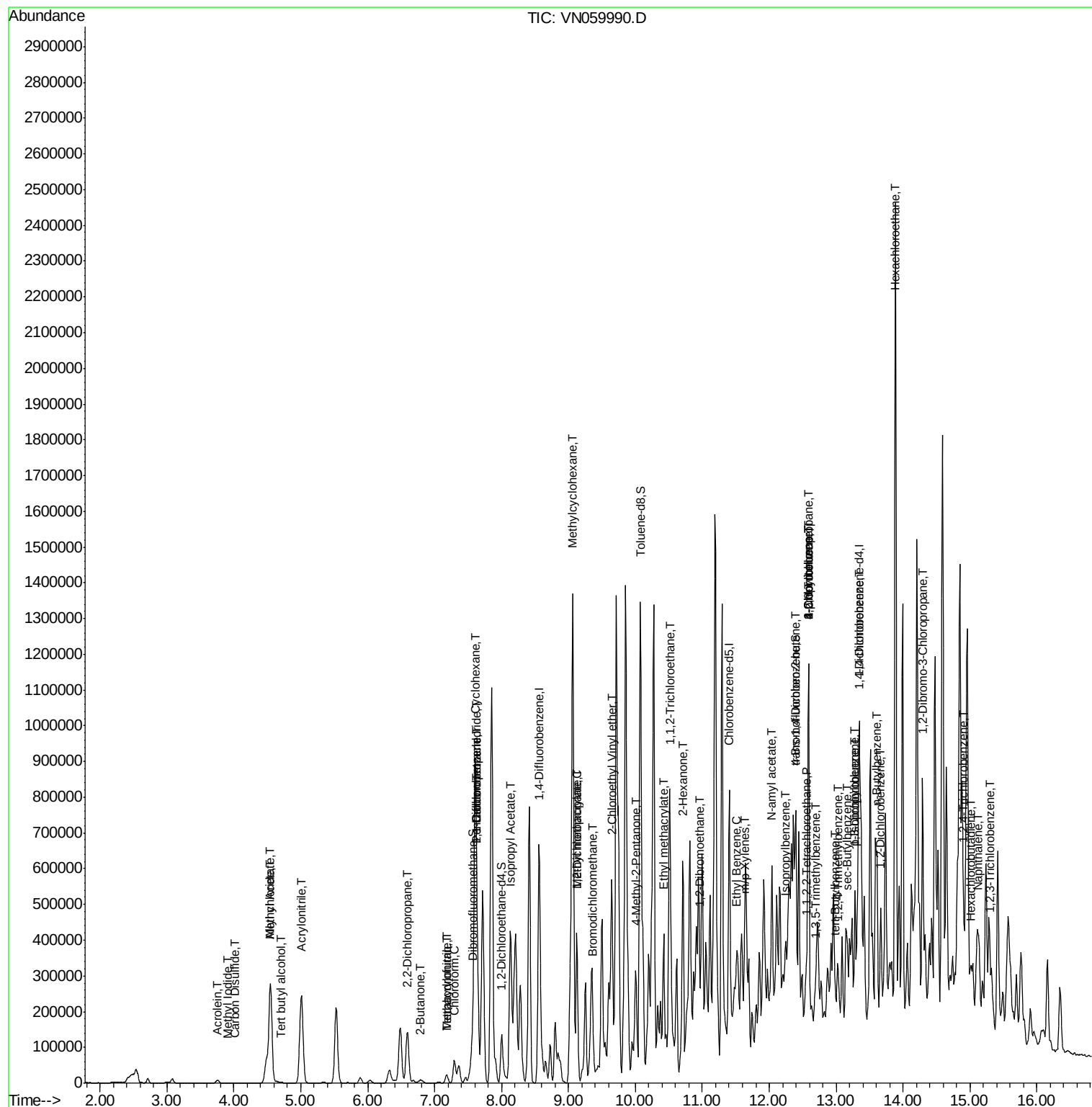
78) n-propylbenzene	12.59	91	763455	56.807	ug/l	99
79) 2-Chlorotoluene	12.59	91	763455	95.491	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.68	105	56344	5.595	ug/l	72
81) trans-1,4-Dichloro-2-buten	12.40	75	77622	60.669	ug/l #	11
82) 4-Chlorotoluene	12.59	91	763455	95.204	ug/l #	42
83) tert-Butylbenzene	12.99	119	2266	0.260	ug/l #	24
84) 1,2,4-Trimethylbenzene	13.04	105	21896	2.198	ug/l	94
85) sec-Butylbenzene	13.17	105	109536	9.573	ug/l #	52
86) p-Isopropyltoluene	13.28	119	28036	2.648	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	1520	0.289	ug/l #	1
88) 1,4-Dichlorobenzene	13.36	146	1664	0.317	ug/l #	1
89) n-Butylbenzene	13.61	91	266679	29.540	ug/l #	79
90) Hexachloroethane	13.89	117	110698	55.881	ug/l #	12
91) 1,2-Dichlorobenzene	13.65	146	1500	0.288	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.29	75	2415	1.203	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.91	180	5021	1.605	ug/l #	80
94) Hexachlorobutadiene	15.00	225	1978	1.147	ug/l	94
95) Naphthalene	15.13	128	117845	13.241	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	4921	1.616	ug/l #	1

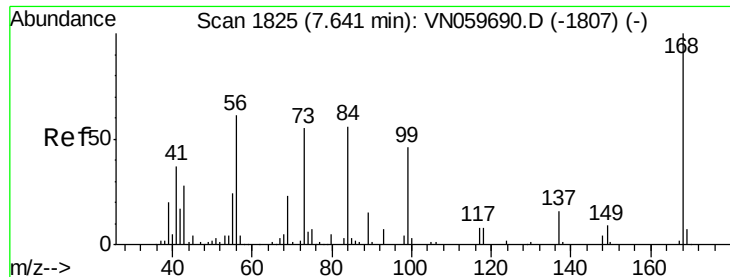
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

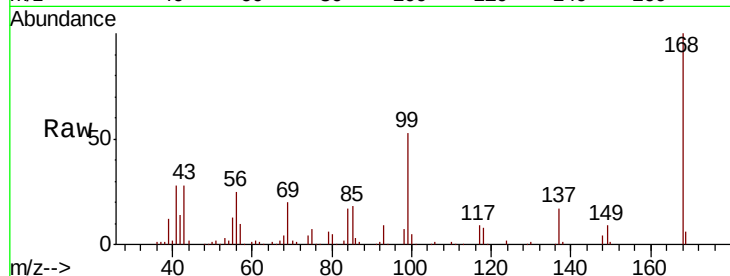
PD-3-(35-37)

Tot Ion:168 Resp: 198774

Ion Ratio Lower Upper

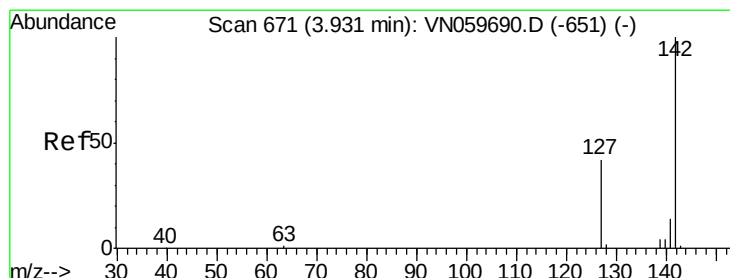
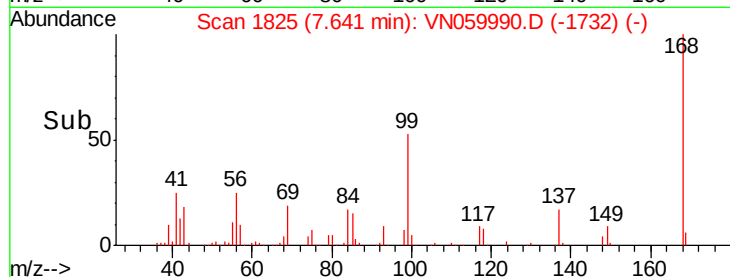
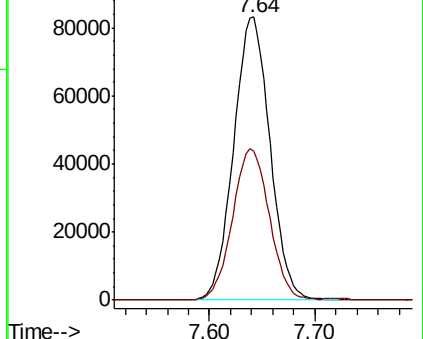
168 100

99 52.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#10

Methyl Iodide

Concen: 0.224 ug/l

RT: 3.91 min Scan# 666

Delta R.T. -0.02 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

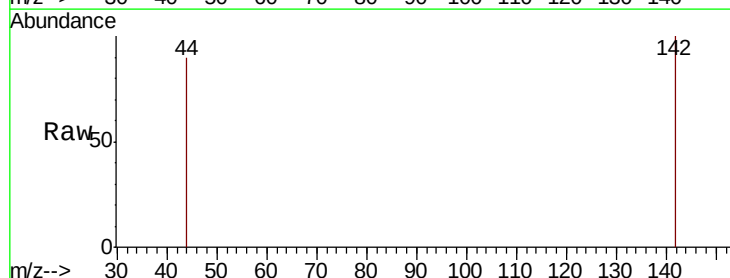
Tgt Ion:142 Resp: 630

Ion Ratio Lower Upper

142 100

127 0.0 36.7 55.1#

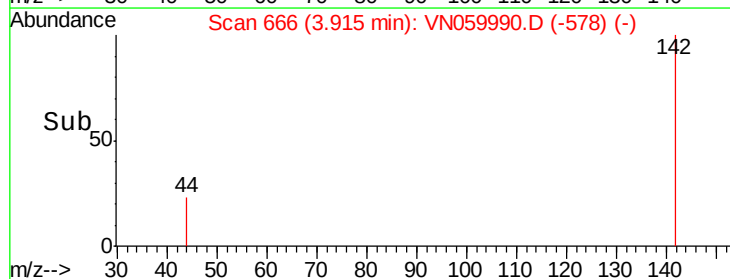
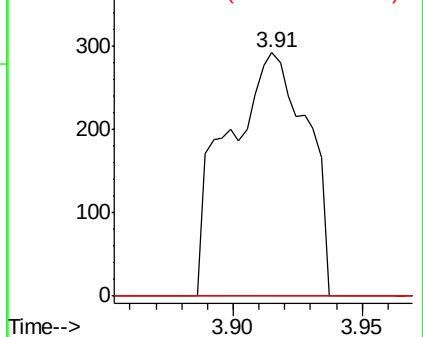
141 0.0 11.7 17.5#

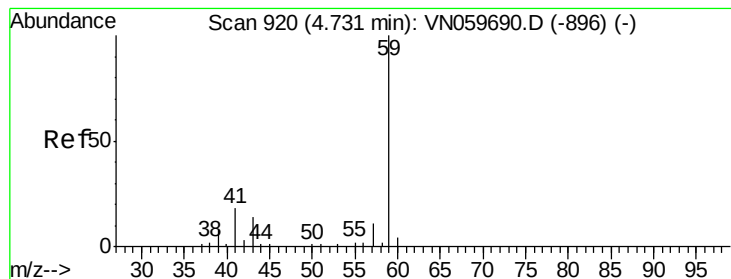


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



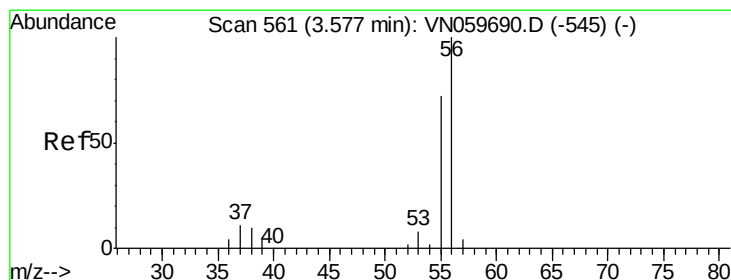
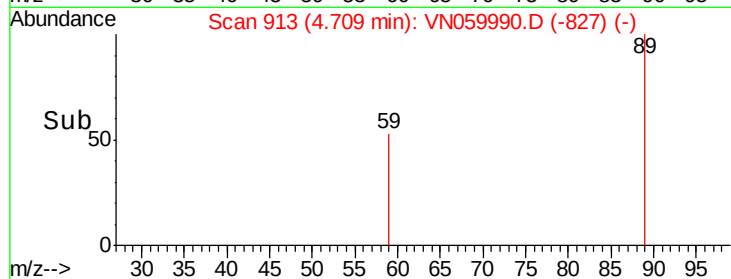
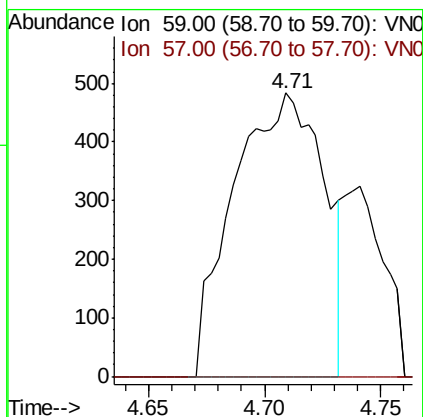
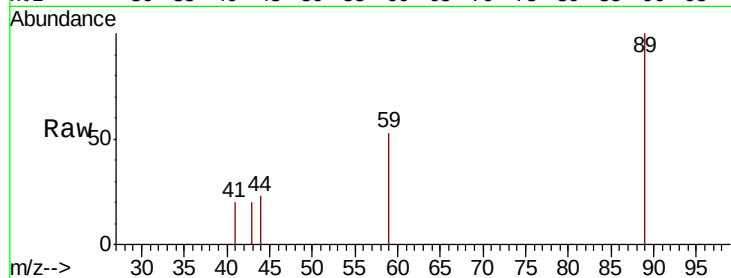


#11

Tert butyl alcohol
 Concen: 3.509 ug/l
 RT: 4.71 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: VN059990.D
 Acq: 4 Feb 2020 13:27

Instrument :
 MSVOA_N
 ClientSampled :
 PD-3-(35-37)

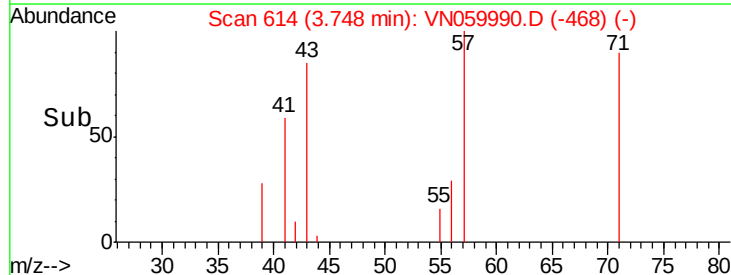
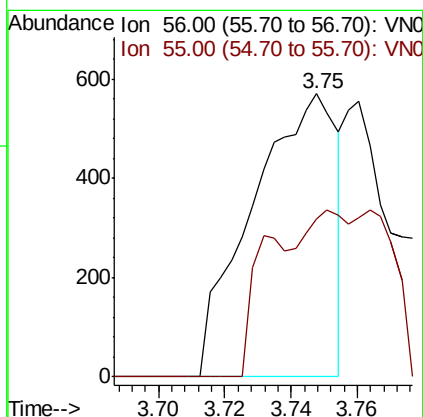
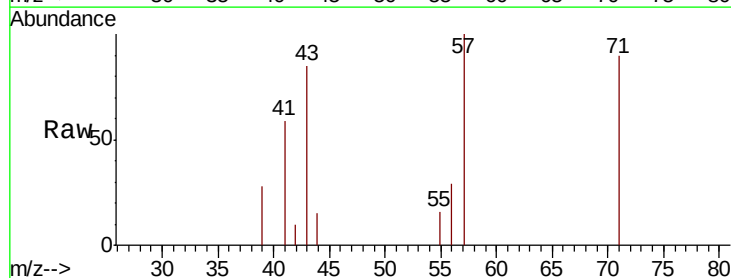
Tot Ion: 59 Resp: 1304
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

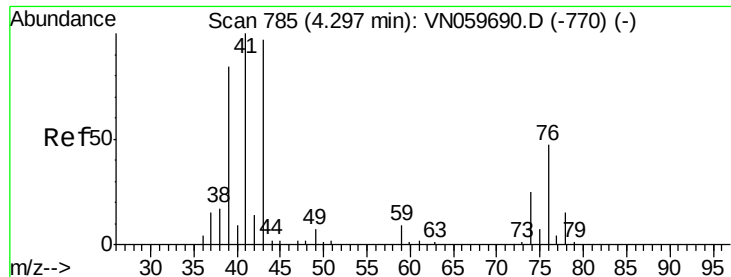


#13

Acrolein
 Concen: 3.836 ug/l
 RT: 3.75 min Scan# 614
 Delta R.T. 0.17 min
 Lab File: VN059990.D
 Acq: 4 Feb 2020 13:27

Tgt Ion: 56 Resp: 1009
 Ion Ratio Lower Upper
 56 100
 55 9.8 58.6 88.0#

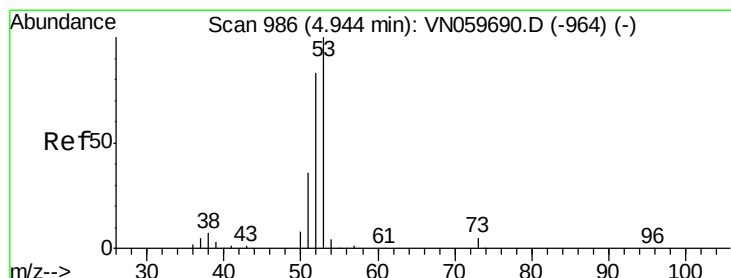
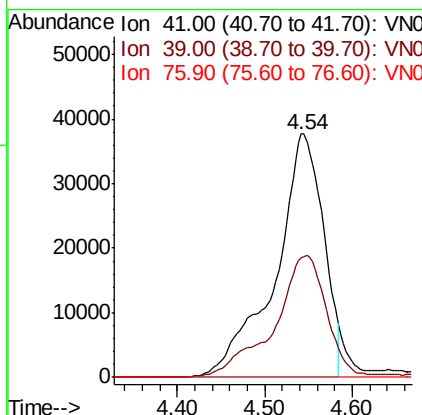
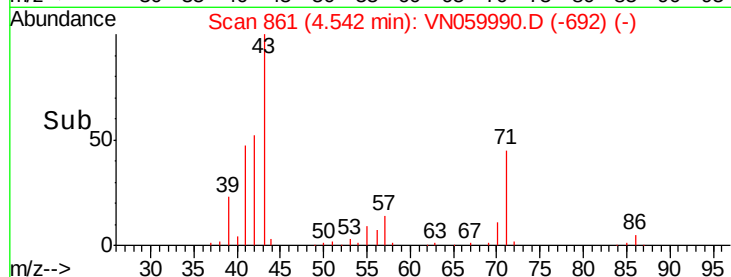
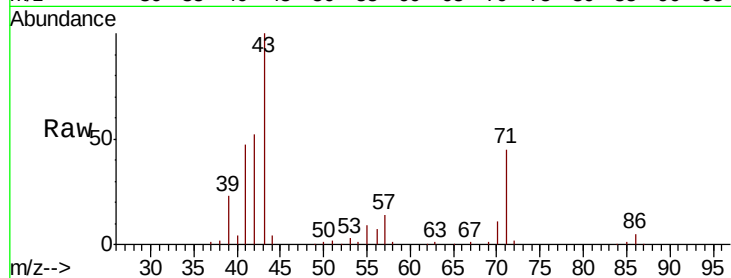




#14
 Allvl chloride
 Concen: 58.780 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. 0.24 min
 Lab File: VN059990.D
 Acq: 4 Feb 2020 13:27

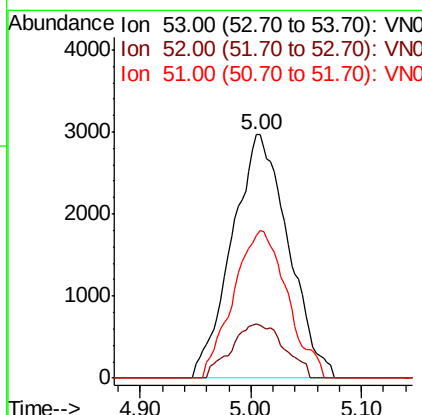
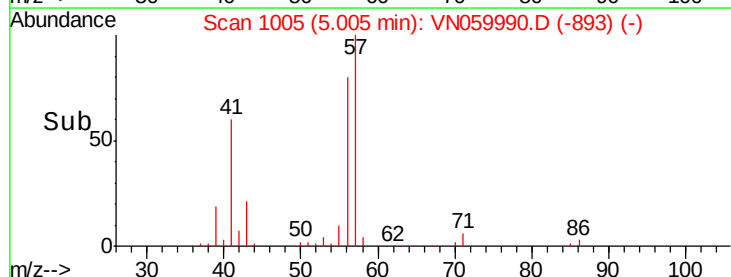
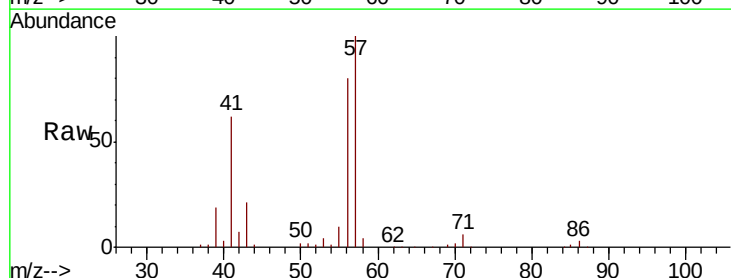
Instrument :
 MSVOA_N
 ClientSampled :
 PD-3-(35-37)

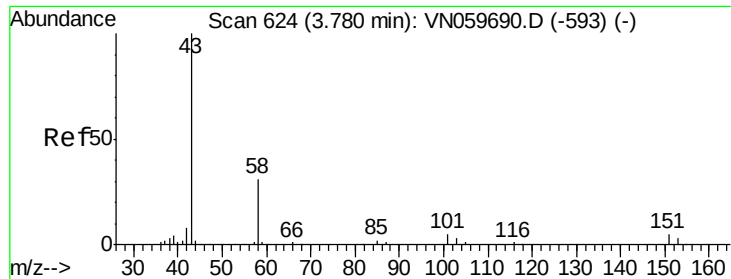
Tot Ion: 41 Resp: 144083
 Ion Ratio Lower Upper
 41 100
 39 52.2 57.8 86.8#
 76 0.0 25.4 38.0#



#15
 Acrylonitrile
 Concen: 12.367 ug/l
 RT: 5.00 min Scan# 1005
 Delta R.T. 0.06 min
 Lab File: VN059990.D
 Acq: 4 Feb 2020 13:27

Tgt Ion: 53 Resp: 10483
 Ion Ratio Lower Upper
 53 100
 52 20.9 66.3 99.5#
 51 57.8 29.7 44.5#





#16

Acetone

Concen: Below Cal

RT: 3.75 min Scan# 615

Delta R.T. -0.03 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

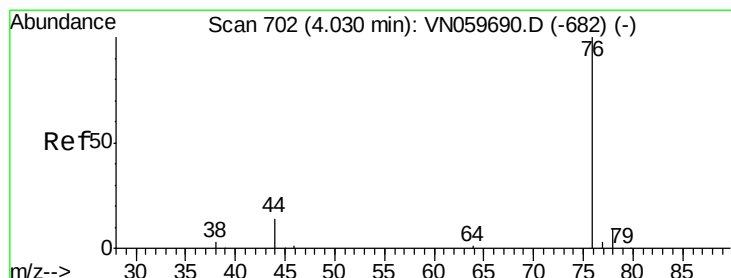
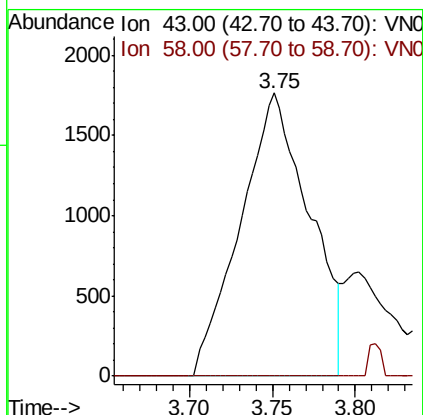
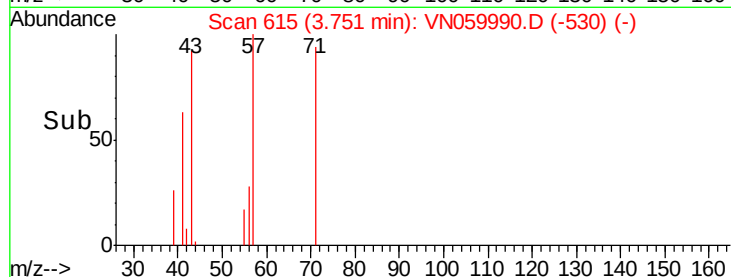
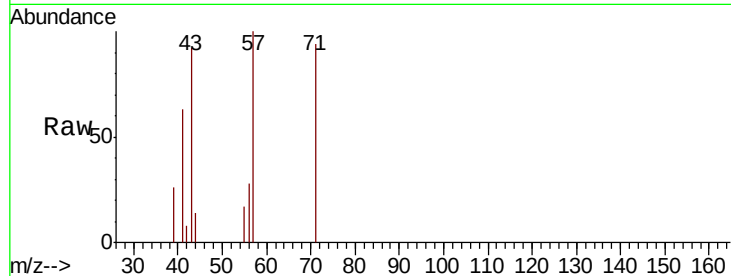
PD-3-(35-37)

Tot Ion: 43 Resp: 5115

Ion Ratio Lower Upper

43 100

58 0.0 23.6 35.4#



#17

Carbon Disulfide

Concen: 0.215 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.02 min

Lab File: VN059990.D

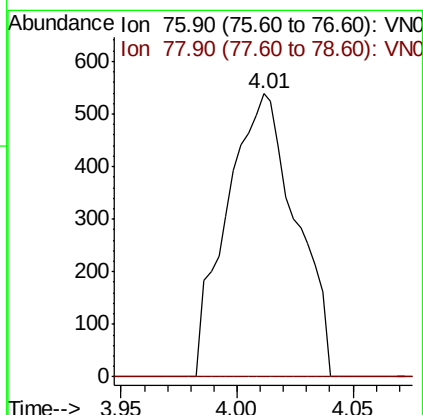
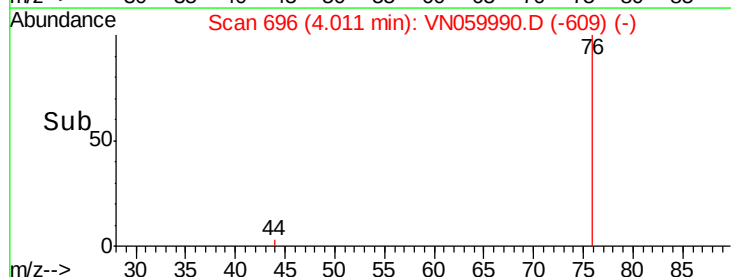
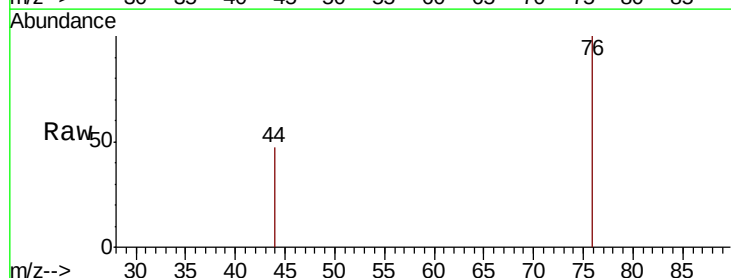
Acq: 4 Feb 2020 13:27

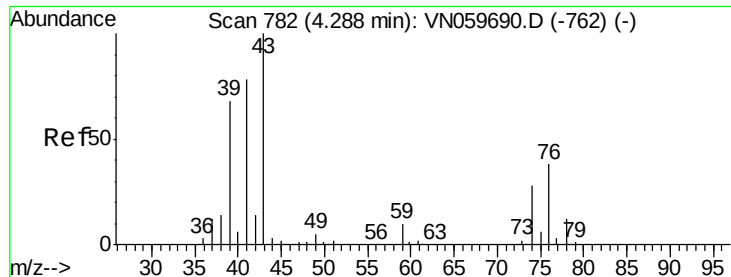
Tgt Ion: 76 Resp: 1114

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

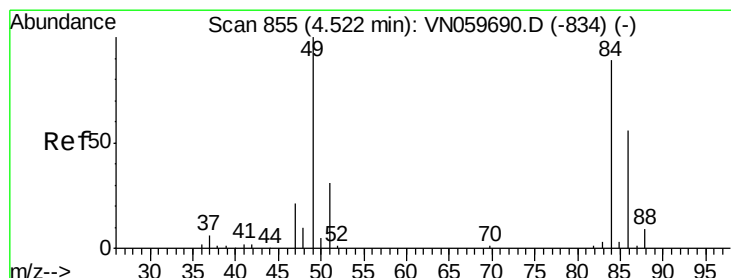
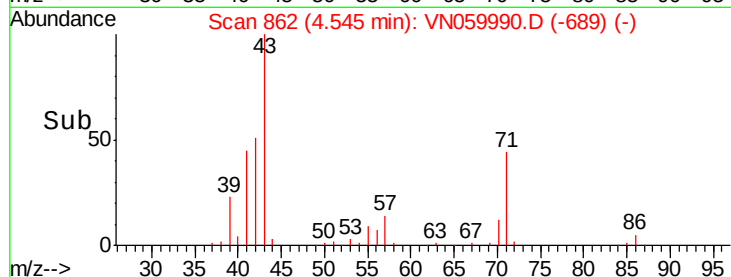
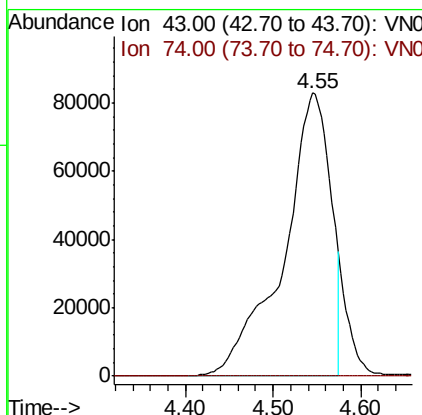
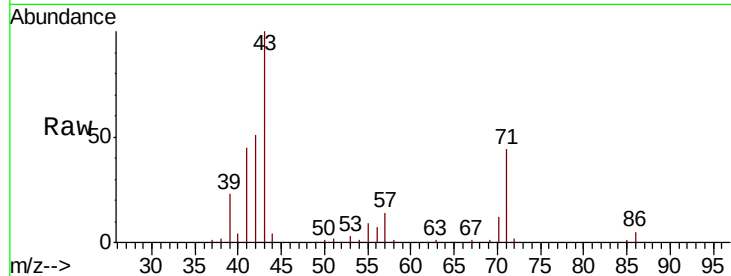




#18
Methyl Acetate
Concen: 119.819 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.26 min
Lab File: VN059990.D
Acq: 4 Feb 2020 13:27

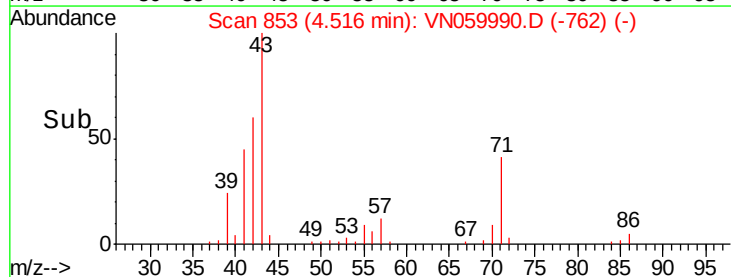
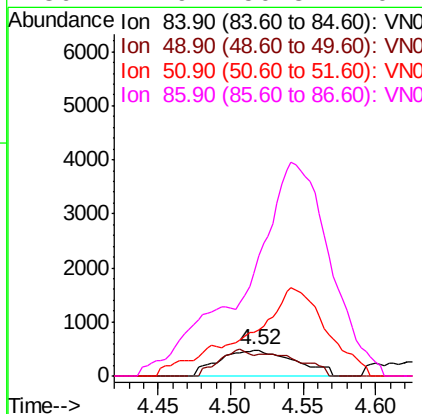
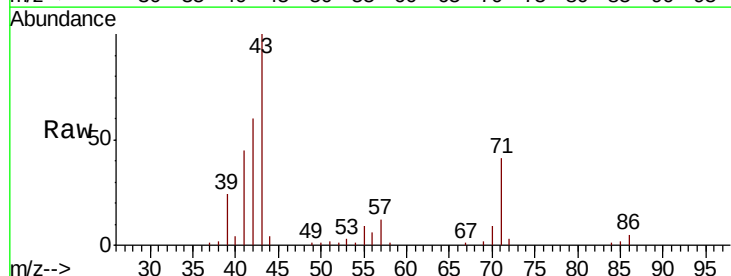
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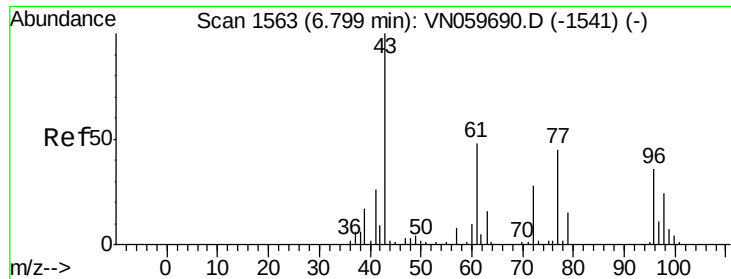
Tot Ion: 43 Resp: 308946
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059990.D
Acq: 4 Feb 2020 13:27

Tgt Ion: 84 Resp: 1742
Ion Ratio Lower Upper
84 100
49 81.9 106.6 160.0#
51 112.2 31.9 47.9#
86 217.9 50.8 76.2#





#25

2-Butanone

Concen: 3.388 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.02 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

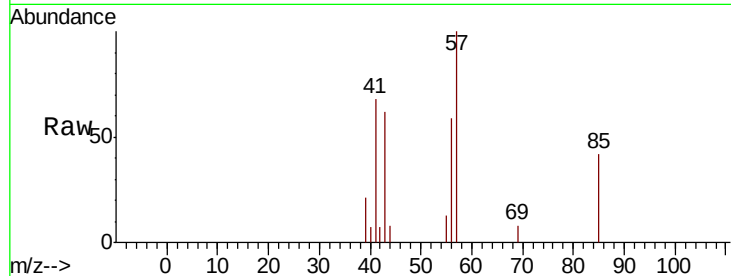
PD-3-(35-37)

Tot Ion: 43 Resp: 4235

Ion Ratio Lower Upper

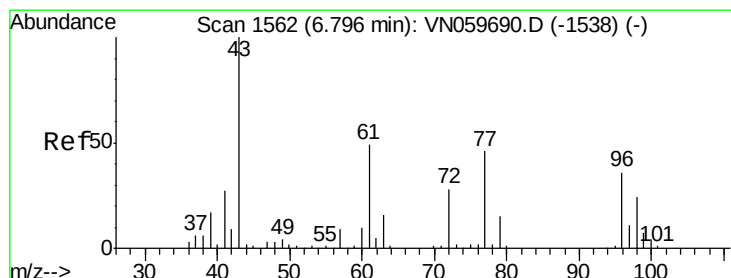
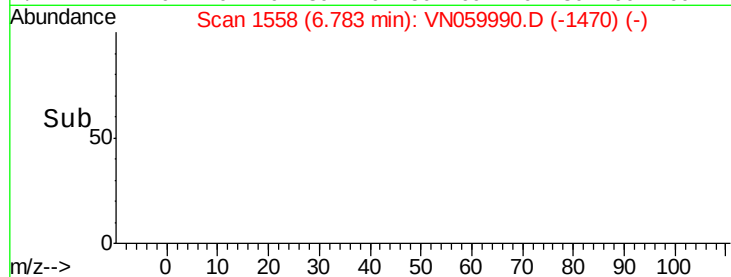
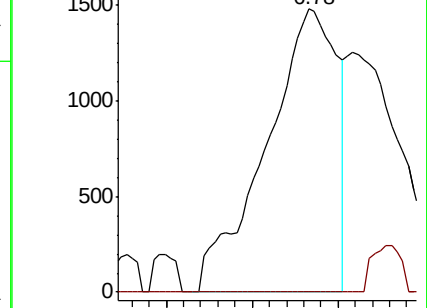
43 100

72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 0.243 ug/l

RT: 6.58 min Scan# 1496

Delta R.T. -0.21 min

Lab File: VN059990.D

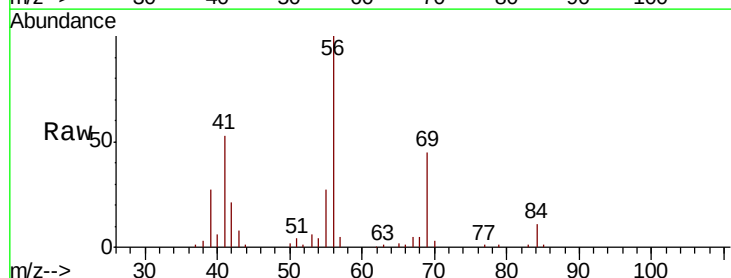
Acq: 4 Feb 2020 13:27

Tgt Ion: 77 Resp: 793

Ion Ratio Lower Upper

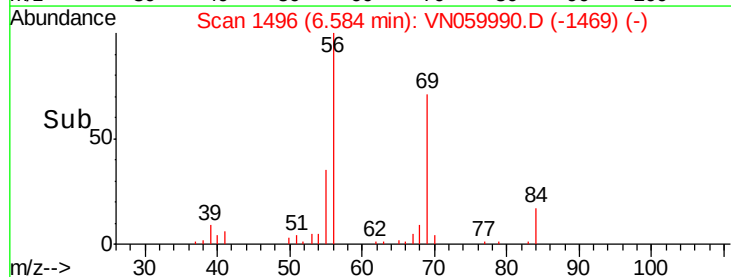
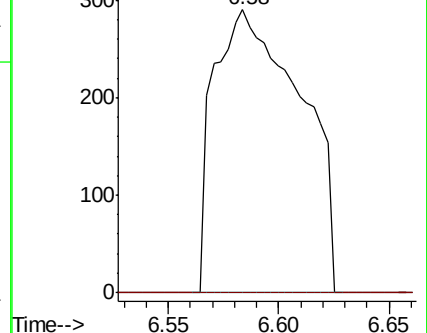
77 100

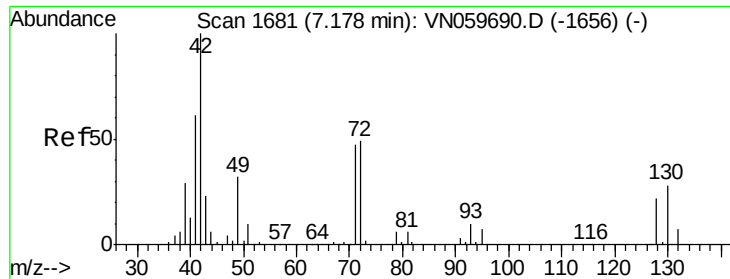
97 0.0 10.7 31.9#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#29

Tetrahydrofuran

Concen: 1.567 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

PD-3-(35-37)

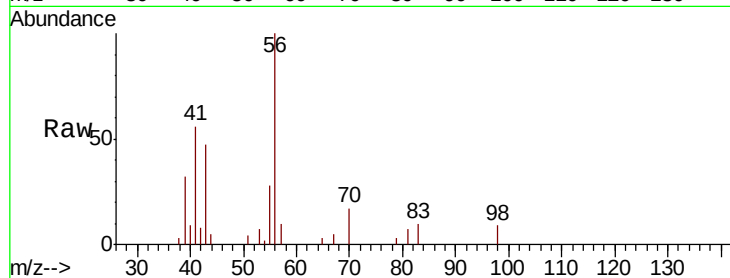
Tot Ion: 42 Resp: 1212

Ion Ratio Lower Upper

42 100

72 0.0 33.1 49.7#

71 0.0 31.4 47.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.18

600

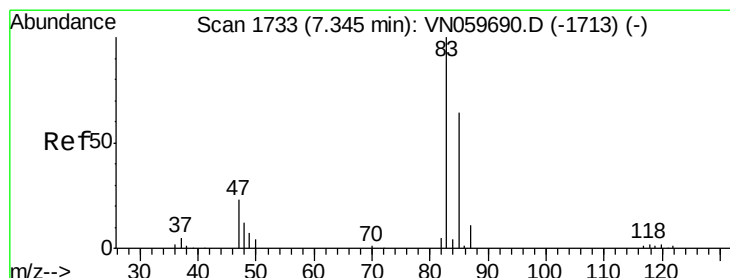
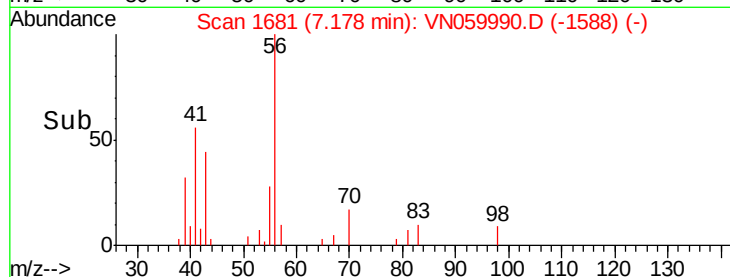
400

200

0

7.15 7.20

Time-->



#30

Chloroform

Concen: 11.814 ug/l

RT: 7.29 min Scan# 1717

Delta R.T. -0.05 min

Lab File: VN059990.D

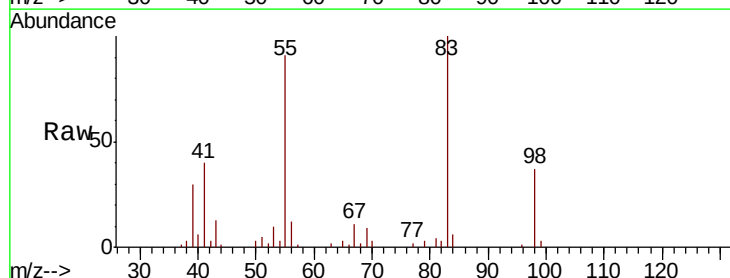
Acq: 4 Feb 2020 13:27

Tgt Ion: 83 Resp: 41549

Ion Ratio Lower Upper

83 100

85 0.0 52.4 78.6#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

7.29

15000

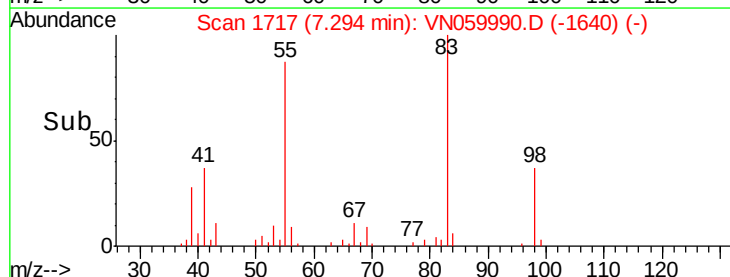
10000

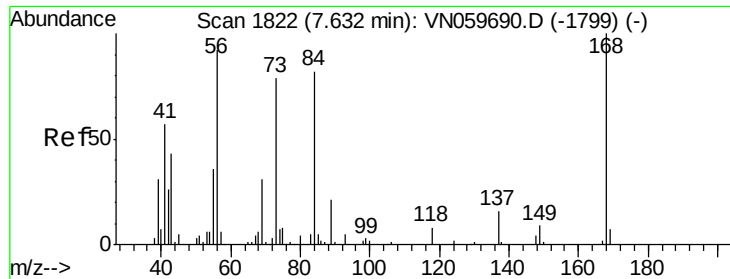
5000

0

7.20 7.30 7.40

Time-->





#31

Cyclohexane

Concen: 59.773 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.02 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

PD-3-(35-37)

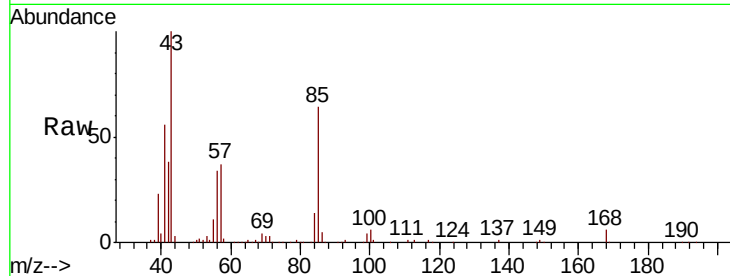
Tot Ion: 56 Resp: 195222

Ion Ratio Lower Upper

56 100

69 7.0 26.5 39.7#

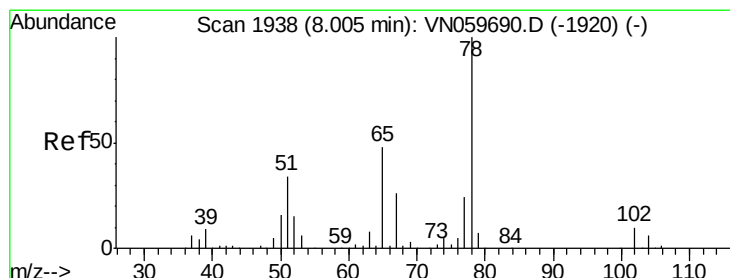
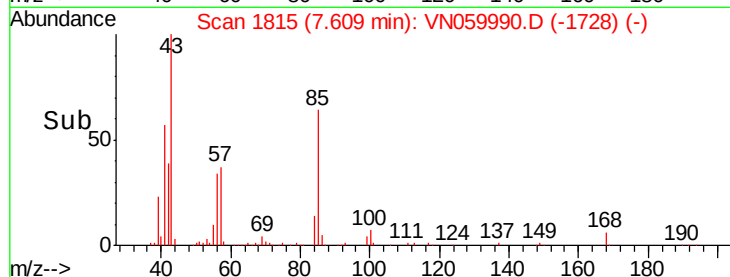
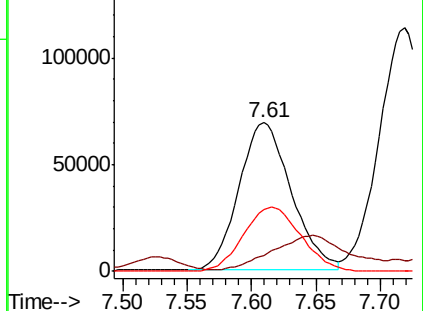
84 41.7 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 51.158 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059990.D

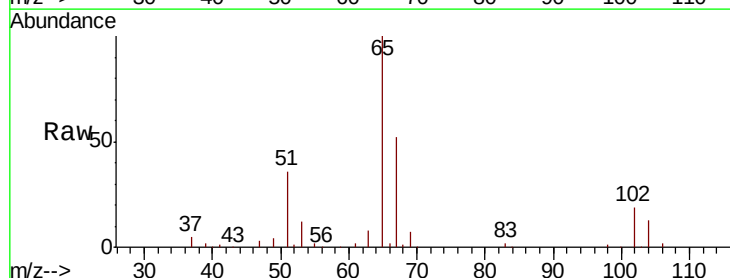
Acq: 4 Feb 2020 13:27

Tgt Ion: 65 Resp: 112927

Ion Ratio Lower Upper

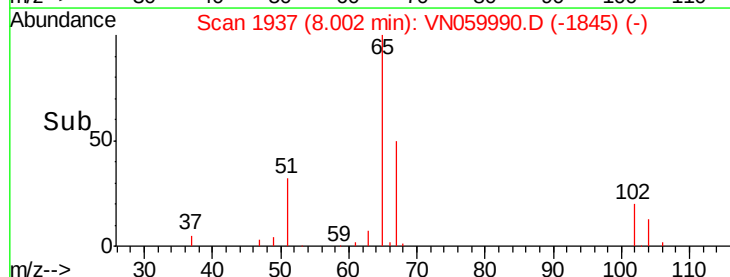
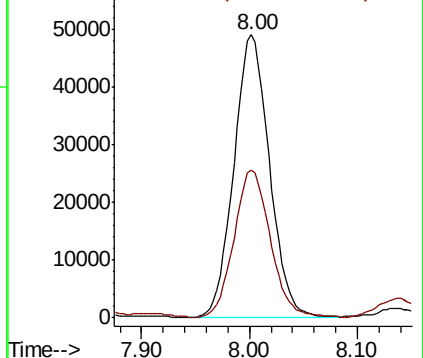
65 100

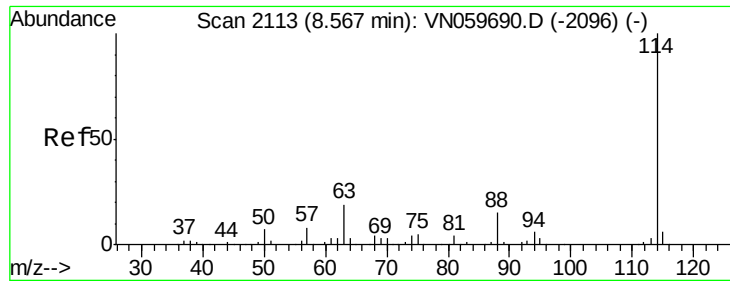
67 53.6 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

PD-3-(35-37)

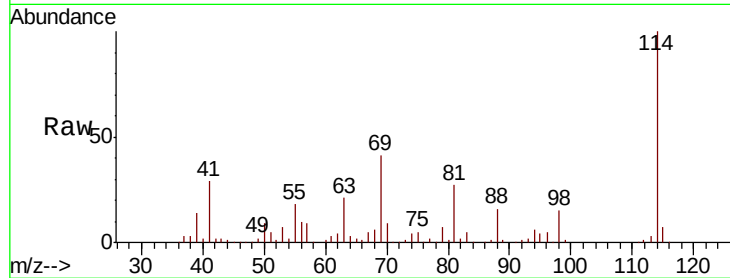
Tot Ion:114 Resp: 310523

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.6

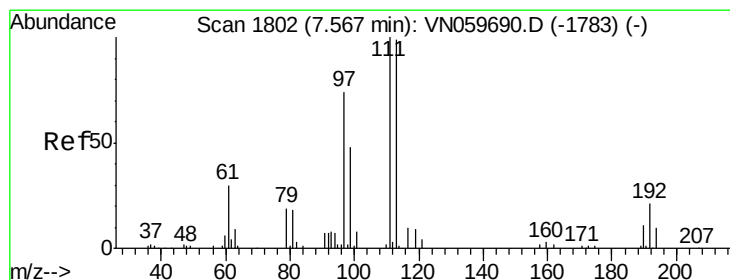
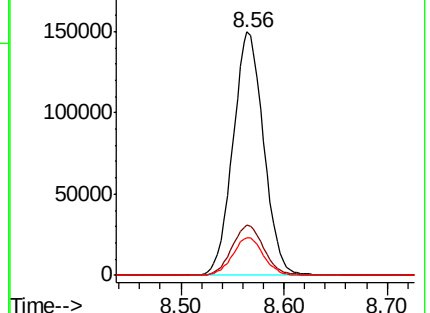
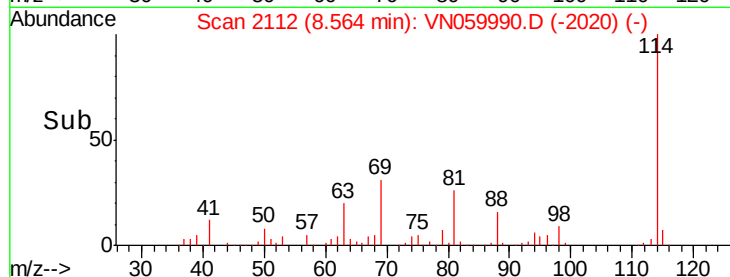
88 15.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.986 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

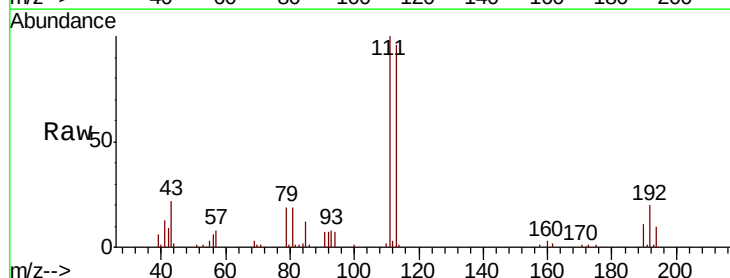
Tgt Ion:113 Resp: 90711

Ion Ratio Lower Upper

113 100

111 102.9 83.5 125.3

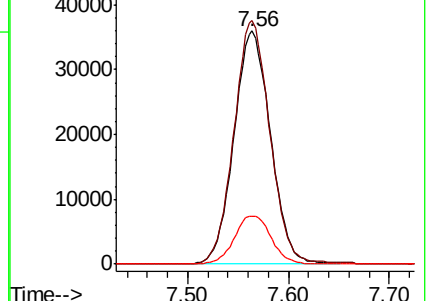
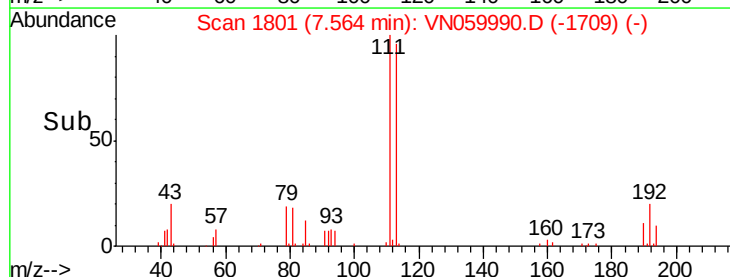
192 20.6 15.4 23.2

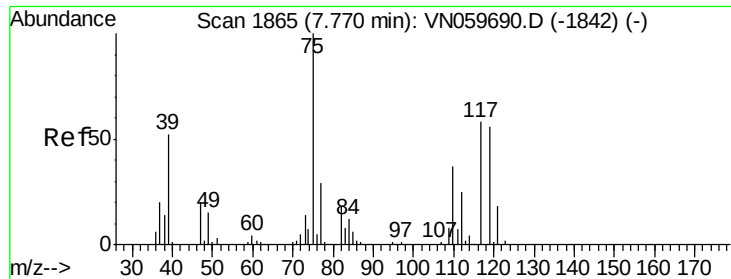


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

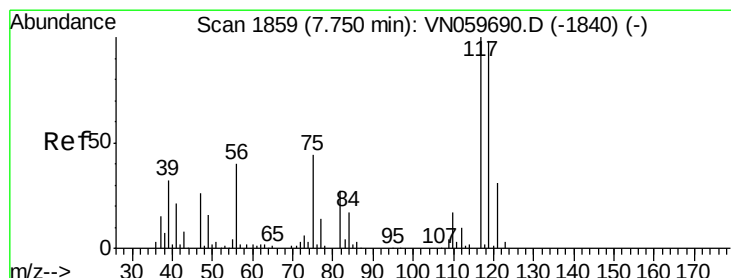
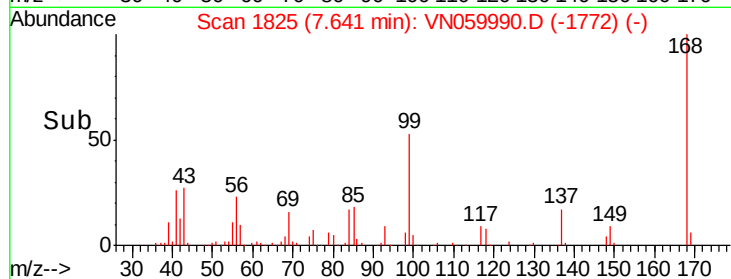
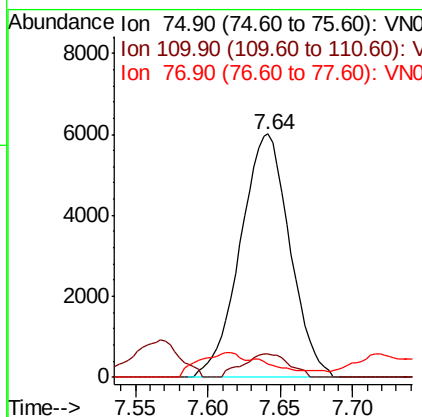
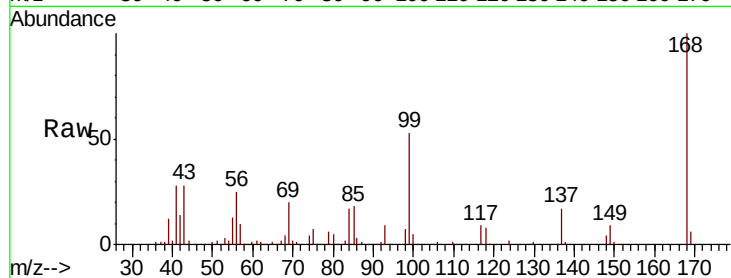




#36
 1,1-Dichloropropene
 Concen: 5.269 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059990.D
 Acq: 4 Feb 2020 13:27

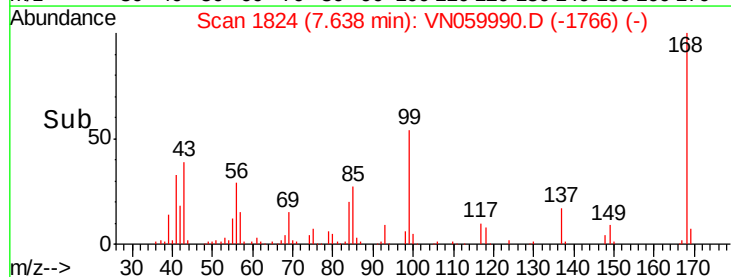
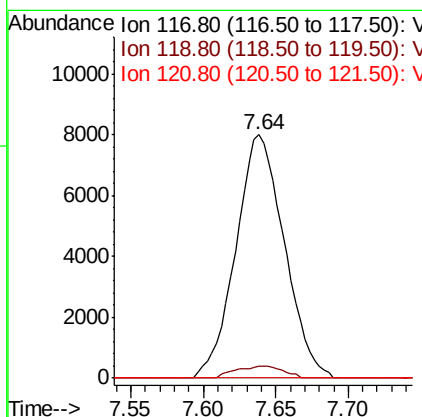
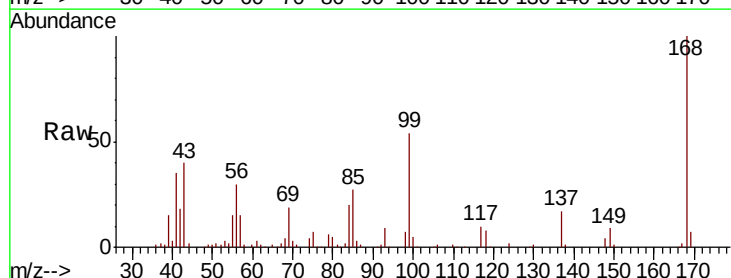
Instrument :
 MSVOA_N
 ClientSampled :
 PD-3-(35-37)

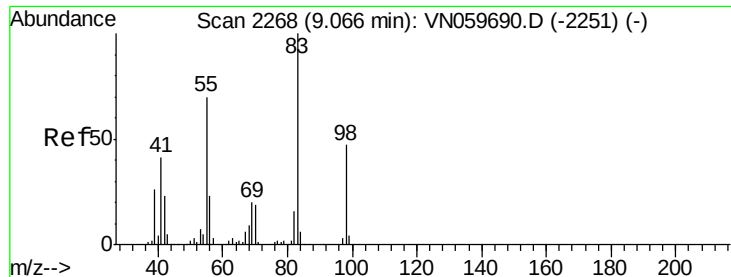
Tot Ion	75	Resp	14249
Ion Ratio	Lower	Upper	
75	100		
110	8.9	16.6	49.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.320 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.11 min
 Lab File: VN059990.D
 Acq: 4 Feb 2020 13:27

Tgt Ion	117	Resp	18591
Ion Ratio	Lower	Upper	
117	100		
119	4.7	76.5	114.7#
121	0.0	25.1	37.7#

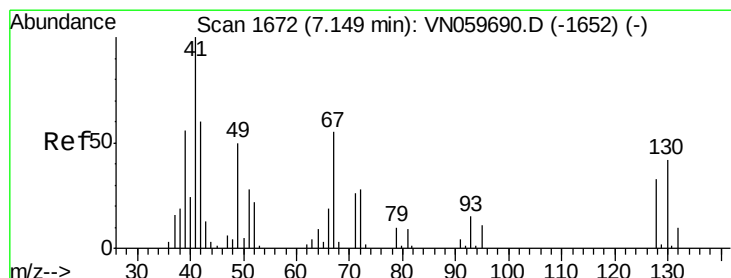
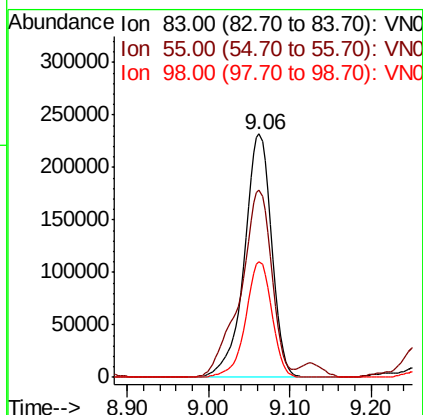
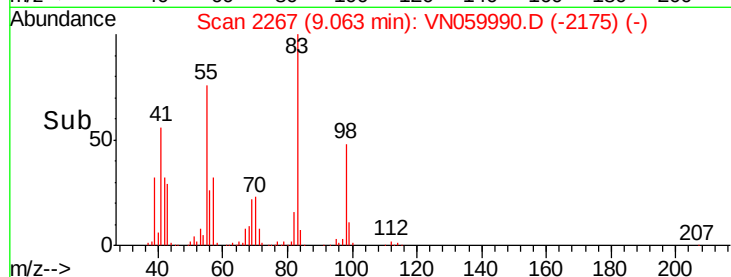
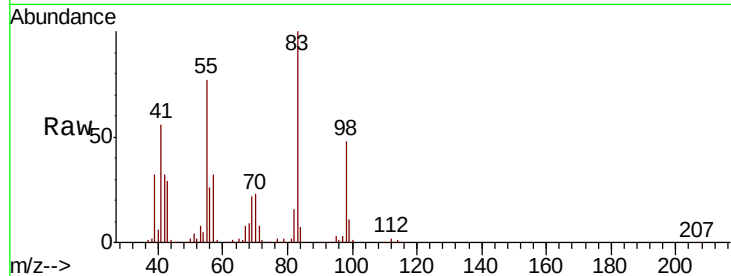




#39
Methylcyclohexane
Concen: 159.218 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059990.D
Acq: 4 Feb 2020 13:27

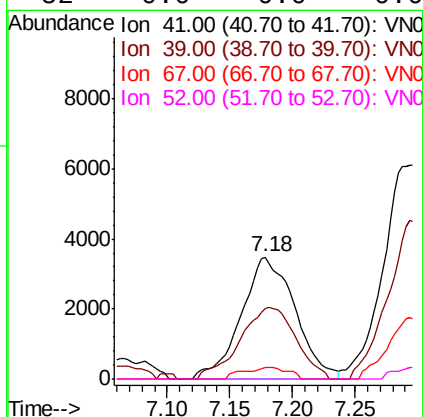
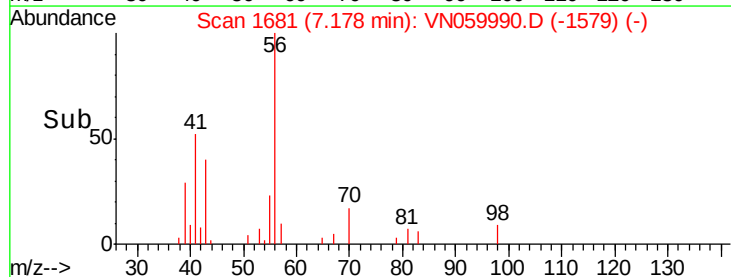
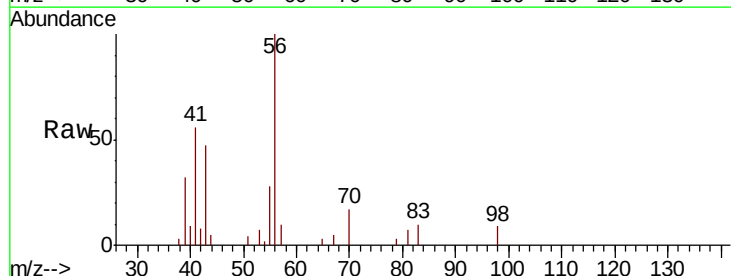
Instrument :
MSVOA_N
ClientSampleId :
PD-3-(35-37)

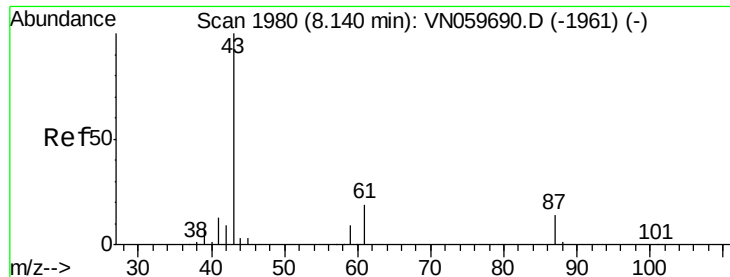
Tot Ion: 83 Resp: 530879
Ion Ratio Lower Upper
83 100
55 76.7 64.2 96.2
98 47.7 35.9 53.9



#41
Methacrylonitrile
Concen: 8.344 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN059990.D
Acq: 4 Feb 2020 13:27

Tgt Ion: 41 Resp: 10424
Ion Ratio Lower Upper
41 100
39 60.8 0.0 0.0#
67 5.8 0.0 0.0#
52 0.0 0.0 0.0





#43

Isopropyl Acetate

Concen: 19.895 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.01 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

PD-3-(35-37)

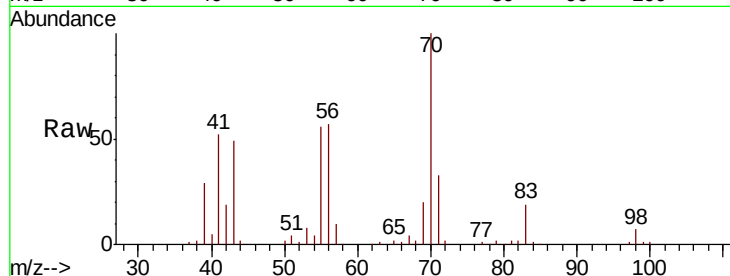
Tot Ion: 43 Resp: 86792

Ion Ratio Lower Upper

43 100

61 0.0 20.2 30.2#

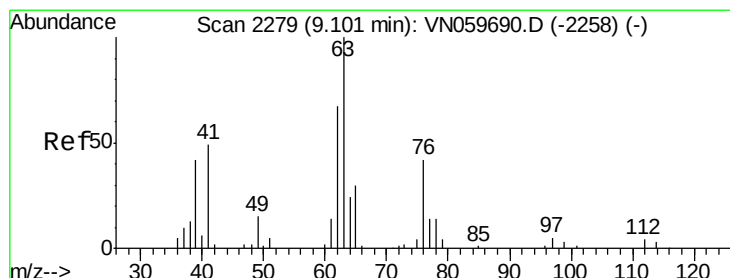
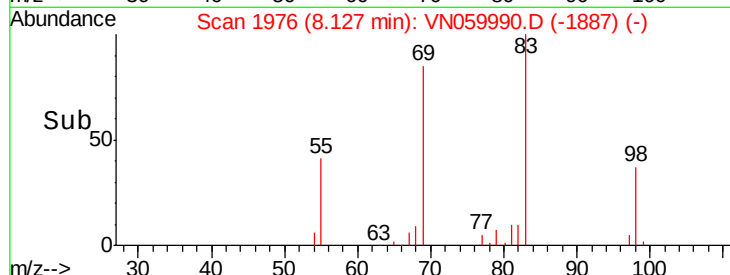
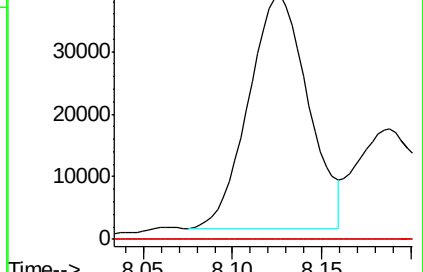
87 0.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059990.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059990.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059990.D (-1961) (-)



#45

1,2-Dichloropropane

Concen: 0.462 ug/l

RT: 9.13 min Scan# 2288

Delta R.T. 0.03 min

Lab File: VN059990.D

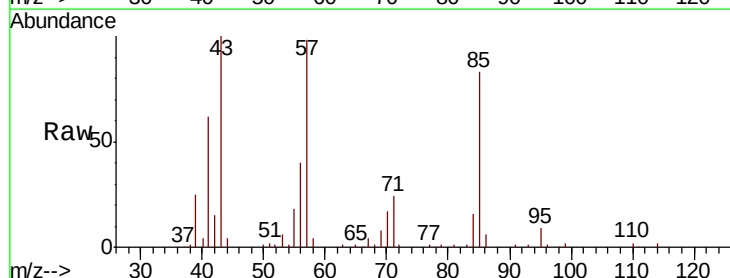
Acq: 4 Feb 2020 13:27

Tgt Ion: 63 Resp: 922

Ion Ratio Lower Upper

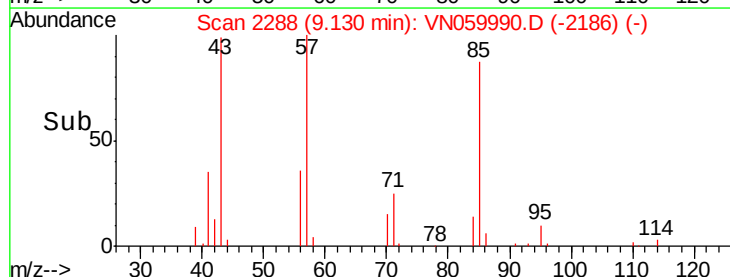
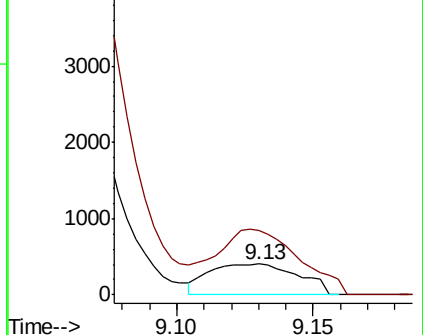
63 100

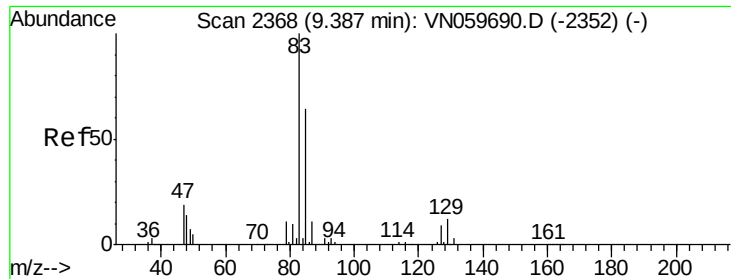
65 159.2 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059990.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN059990.D (-2258) (-)

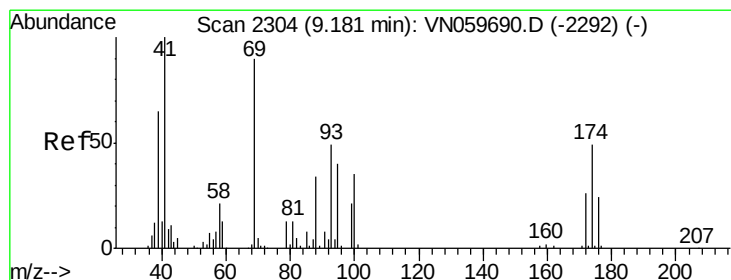
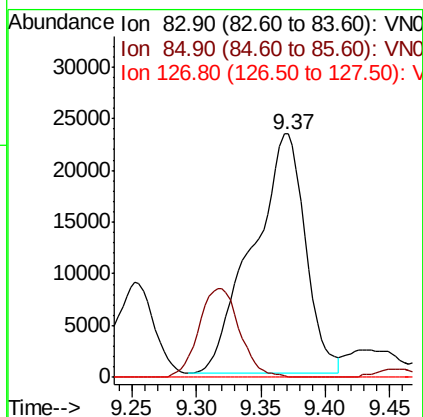
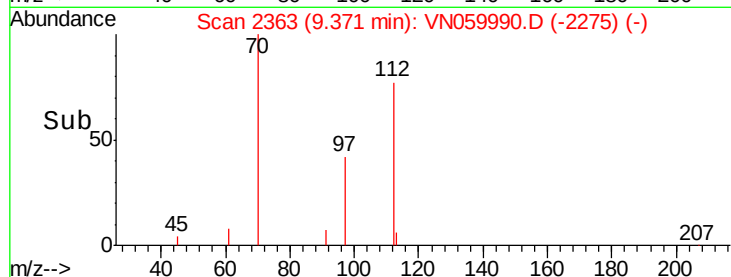
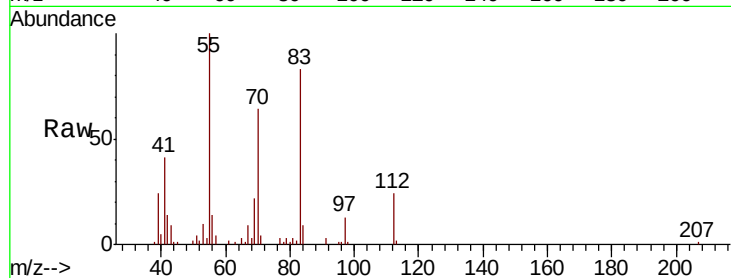




#47
Bromodichloromethane
Concen: 23.112 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.02 min
Lab File: VN059990.D
Acq: 4 Feb 2020 13:27

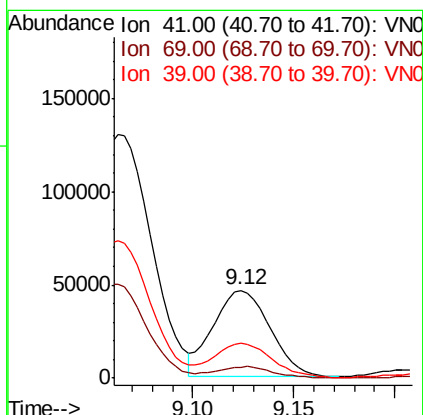
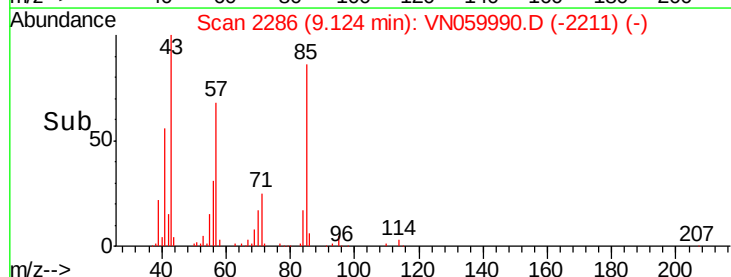
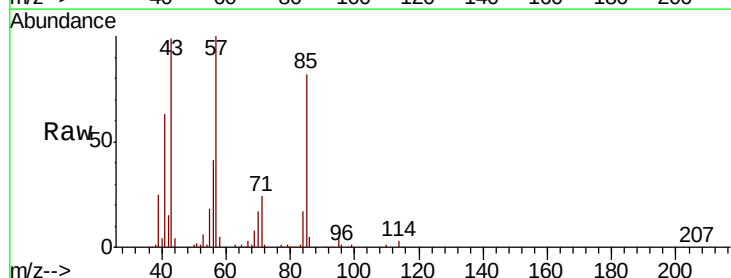
Instrument :
MSVOA_N
ClientSampleId :
PD-3-(35-37)

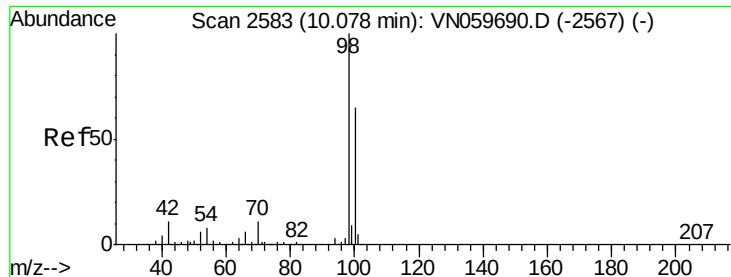
Tot Ion: 83 Resp: 65563
Ion Ratio Lower Upper
83 100
85 0.0 51.1 76.7#
127 0.0 6.6 9.8#



#48
Methyl methacrylate
Concen: 46.498 ug/l
RT: 9.12 min Scan# 2286
Delta R.T. -0.06 min
Lab File: VN059990.D
Acq: 4 Feb 2020 13:27

Tgt Ion: 41 Resp: 90732
Ion Ratio Lower Upper
41 100
69 11.7 64.4 96.6#
39 39.7 51.3 76.9#

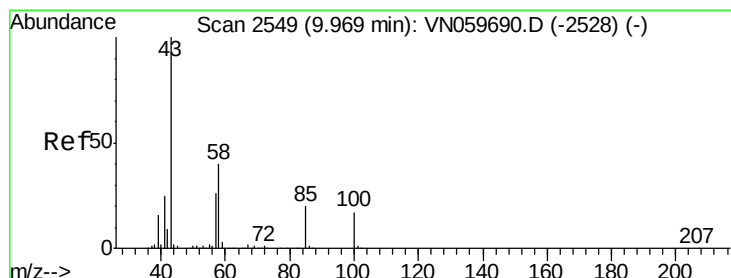
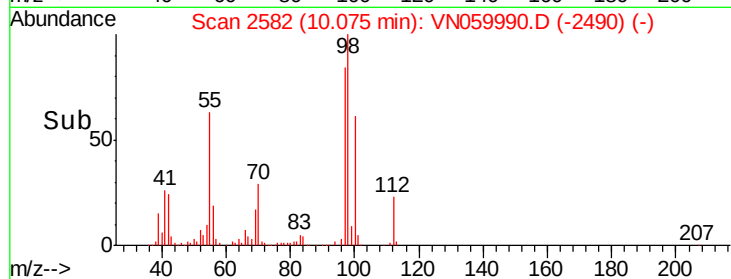
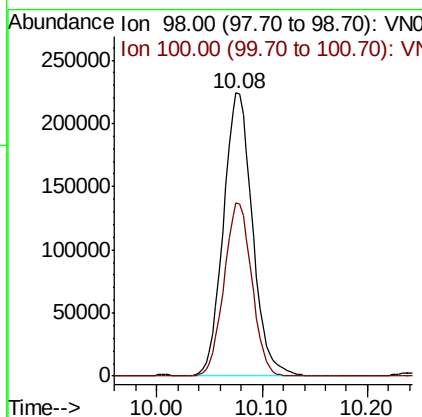
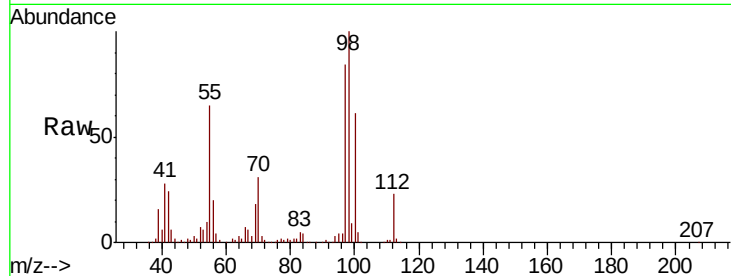




#50
Toluene-d8
Concen: 59.354 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059990.D
Acq: 4 Feb 2020 13:27

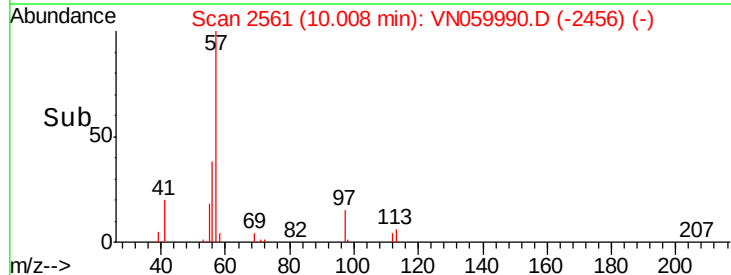
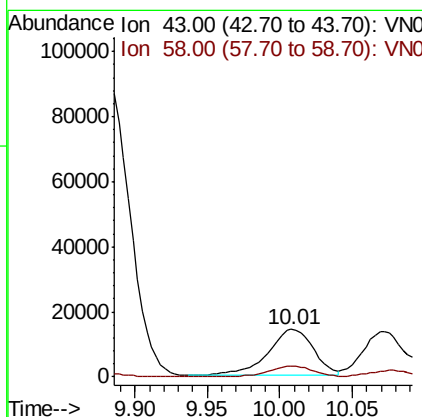
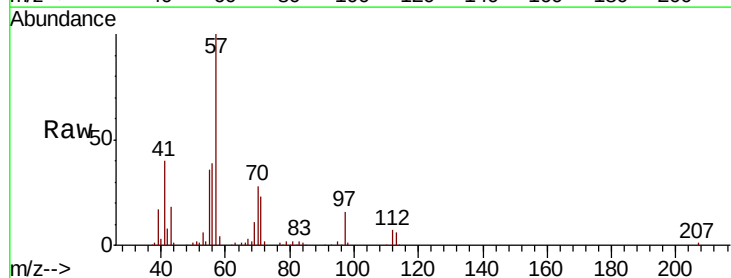
Instrument :
MSVOA_N
ClientSampled :
PD-3-(35-37)

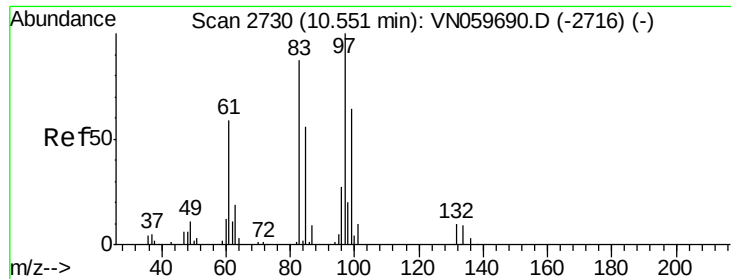
Tot Ion: 98 Resp: 425851
Ion Ratio Lower Upper
98 100
100 58.5 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 12.141 ug/l
RT: 10.01 min Scan# 2561
Delta R.T. 0.04 min
Lab File: VN059990.D
Acq: 4 Feb 2020 13:27

Tgt Ion: 43 Resp: 30618
Ion Ratio Lower Upper
43 100
58 23.2 29.8 44.8#





#55

1,1,2-Trichloroethane

Concen: 89.738 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. -0.03 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

PD-3-(35-37)

Tot Ion: 97 Resp: 181051

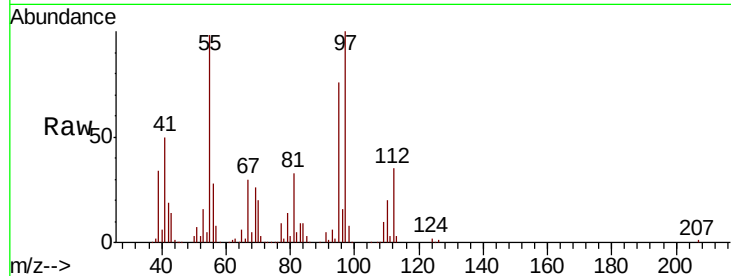
Ion Ratio Lower Upper

97 100

83 6.3 71.3 106.9#

85 2.8 45.8 68.8#

99 0.2 50.0 75.0#

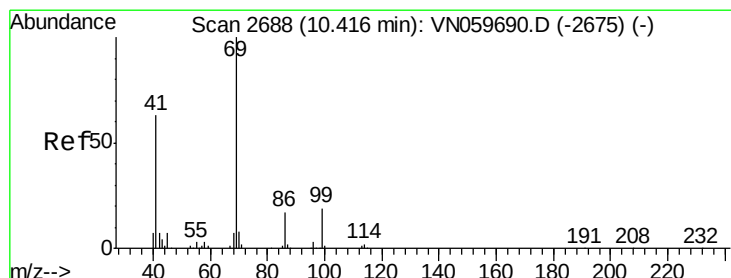
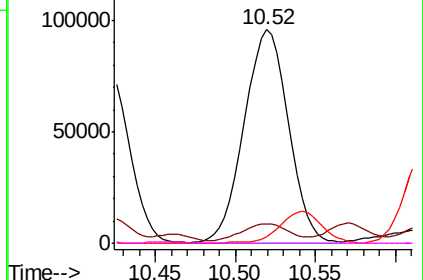
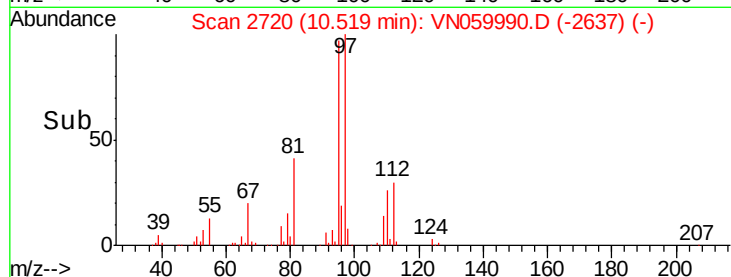


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 10.661 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

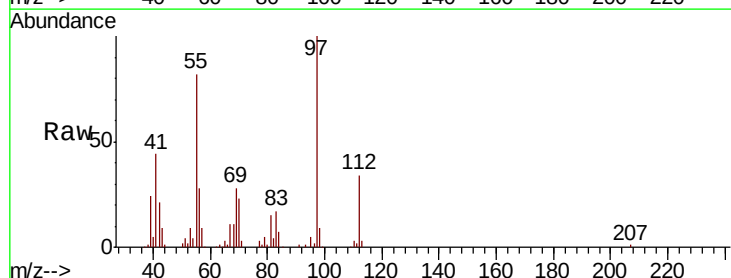
Tgt Ion: 69 Resp: 32865

Ion Ratio Lower Upper

69 100

41 121.5 57.1 85.7#

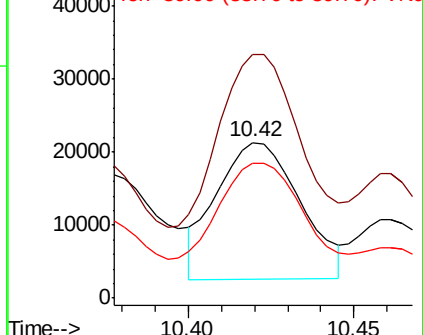
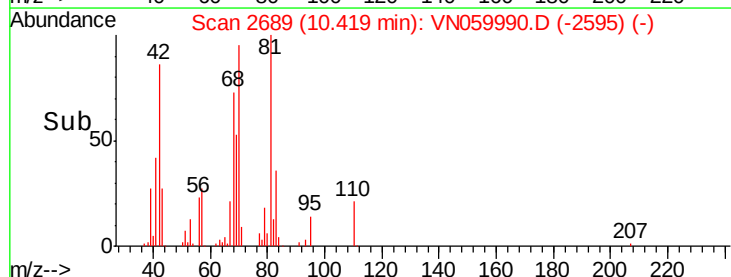
39 64.1 34.7 52.1#

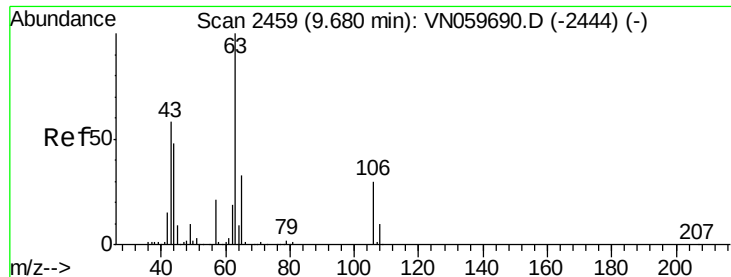


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

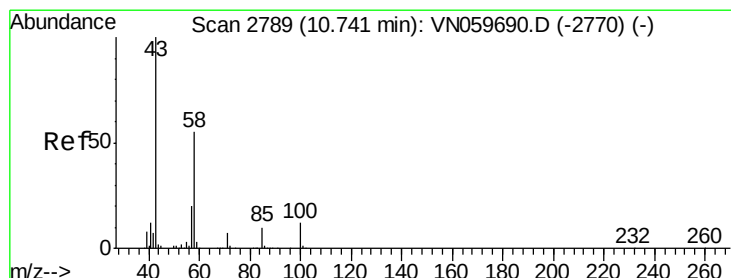
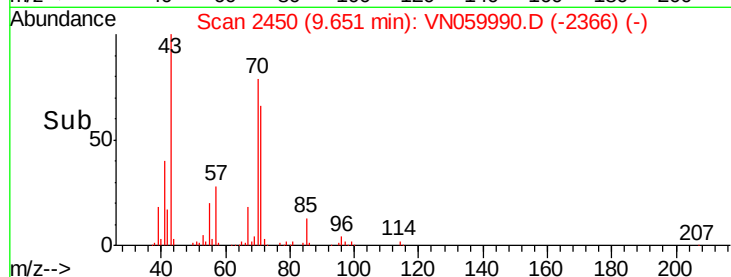
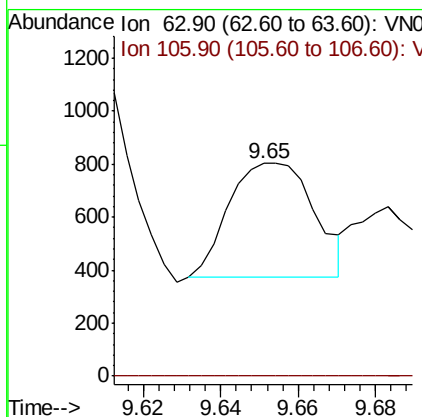
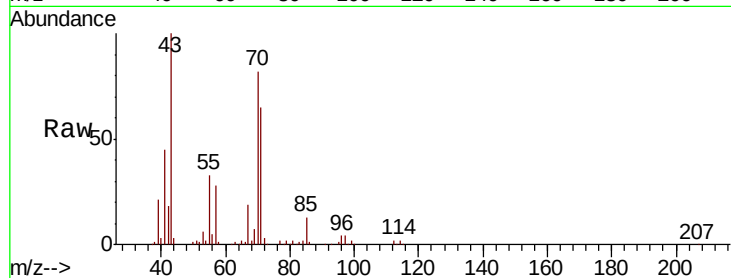




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.714 ug/l
 RT: 9.65 min Scan# 2450
 Delta R.T. -0.03 min
 Lab File: VN059990.D
 Acq: 4 Feb 2020 13:27

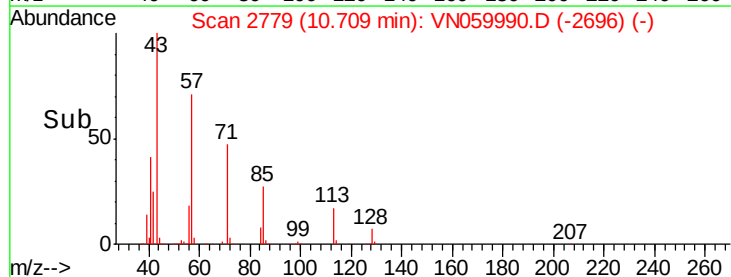
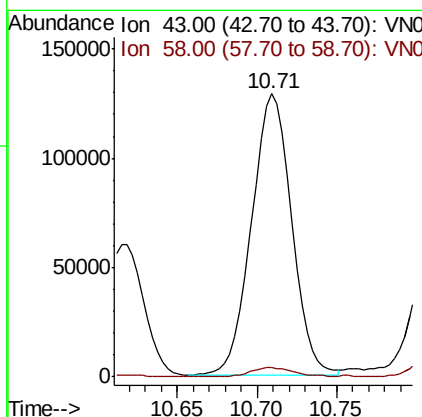
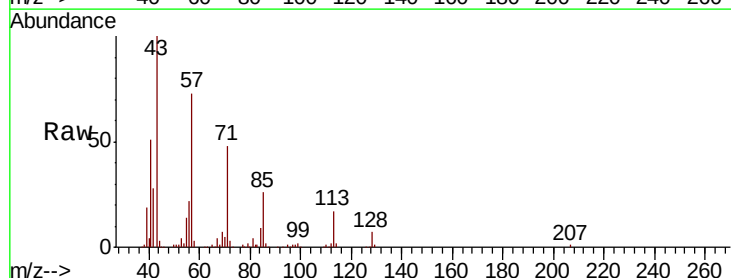
Instrument :
 MSVOA_N
 ClientSampled :
 PD-3-(35-37)

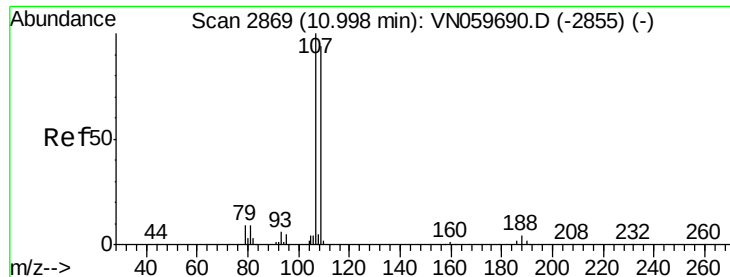
Tot Ion: 63 Resp: 663
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.2 30.2#



#59
 2-Hexanone
 Concen: 119.168 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.03 min
 Lab File: VN059990.D
 Acq: 4 Feb 2020 13:27

Tgt Ion: 43 Resp: 221393
 Ion Ratio Lower Upper
 43 100
 58 3.6 25.8 77.3#





#61

1,2-Dibromoethane

Concen: 0.837 ug/l

RT: 10.97 min Scan# 2859

Delta R.T. -0.03 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

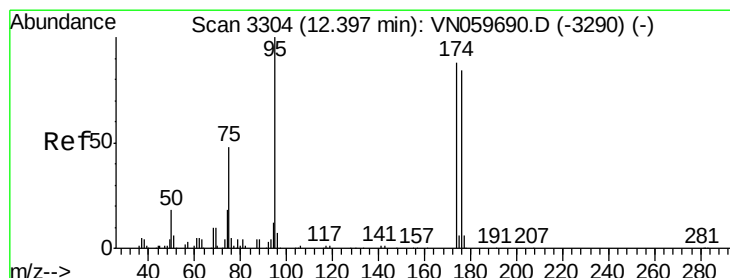
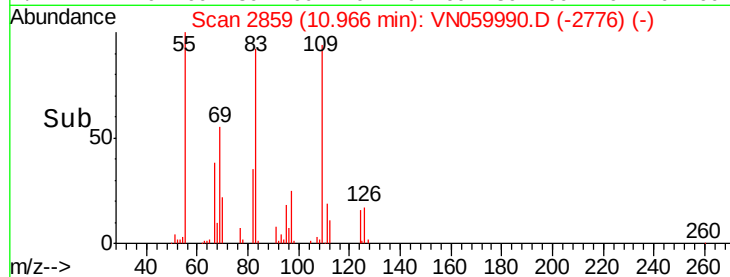
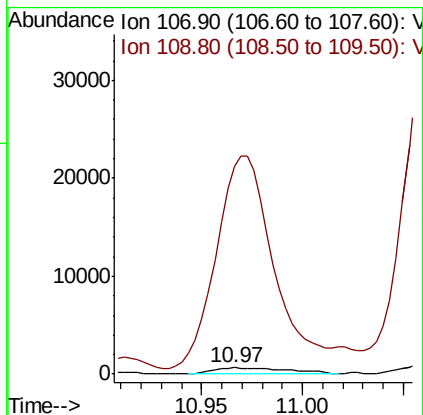
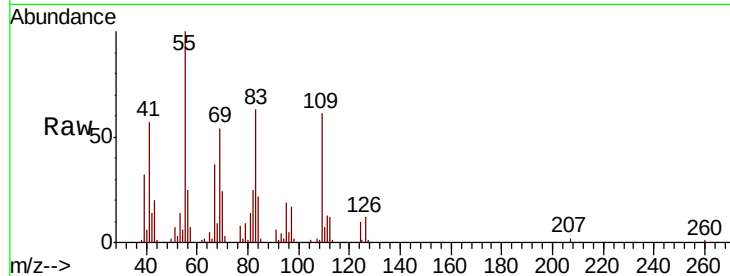
PD-3-(35-37)

Tot Ion:107 Resp: 1770

Ion Ratio Lower Upper

107 100

109 2429.3 76.6 115.0#



#62

4-Bromofluorobenzene

Concen: 65.217 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

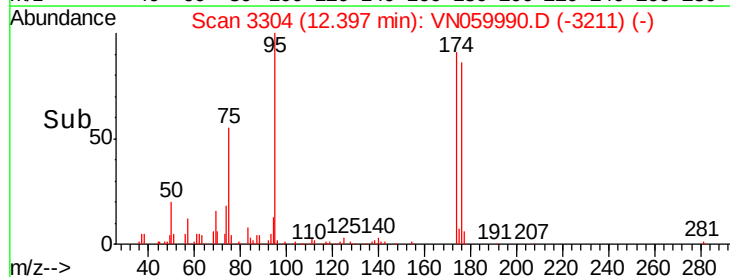
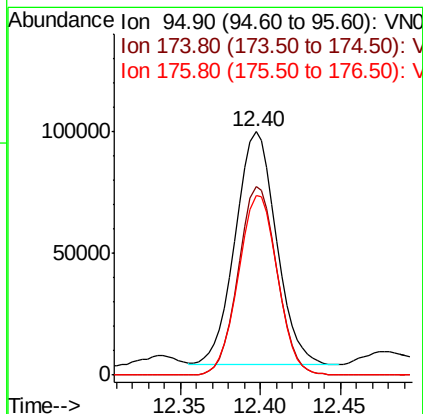
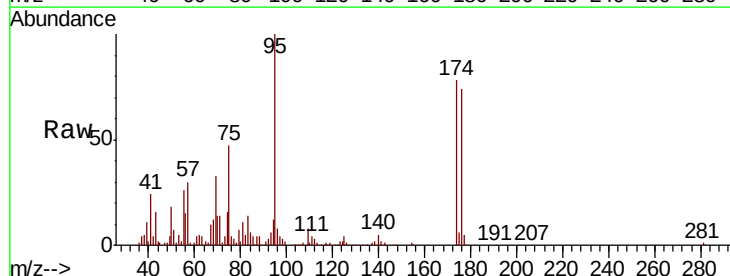
Tgt Ion: 95 Resp: 168682

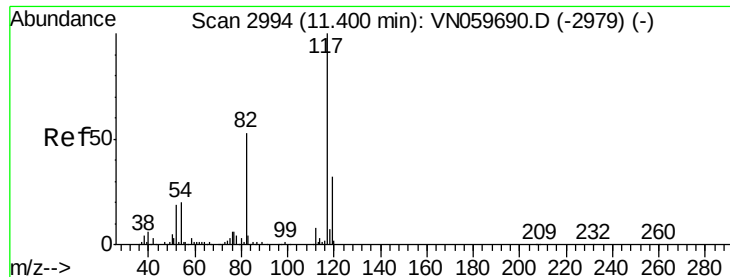
Ion Ratio Lower Upper

95 100

174 75.9 0.0 151.4

176 73.4 0.0 146.0

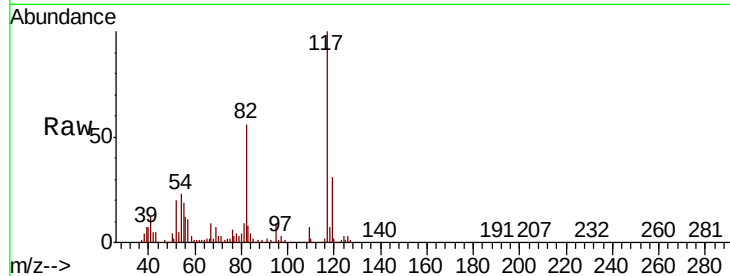




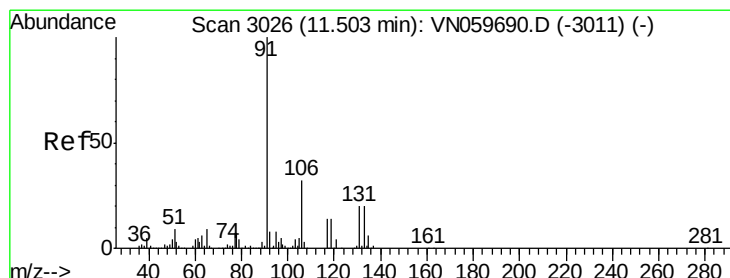
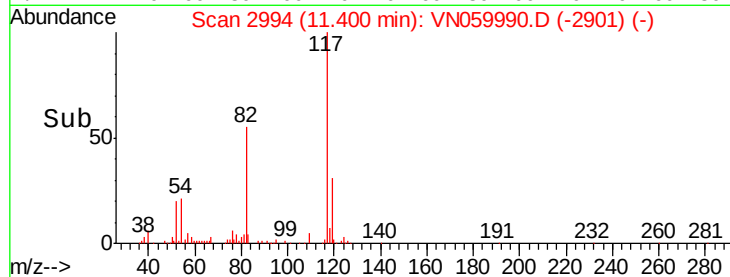
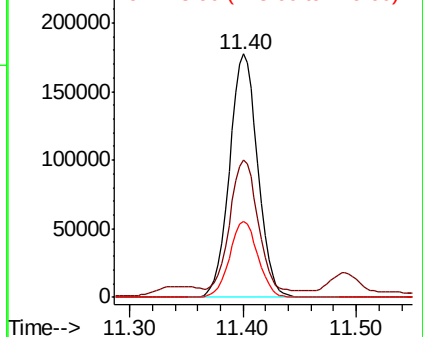
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059990.D
Acq: 4 Feb 2020 13:27

Instrument :
MSVOA_N
ClientSampled :
PD-3-(35-37)

Tot Ion:117 Resp: 306912
Ion Ratio Lower Upper
117 100
82 52.0 45.9 68.9
119 31.2 25.5 38.3

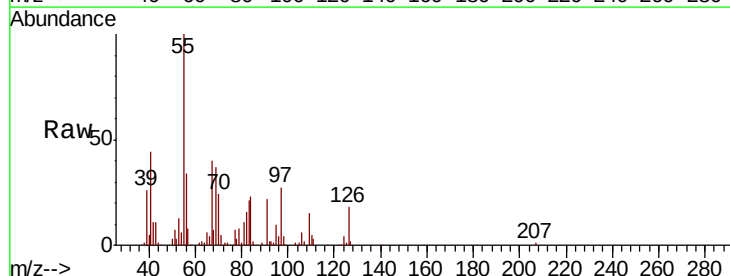


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

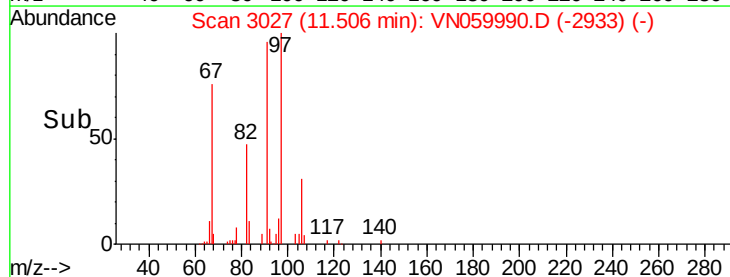
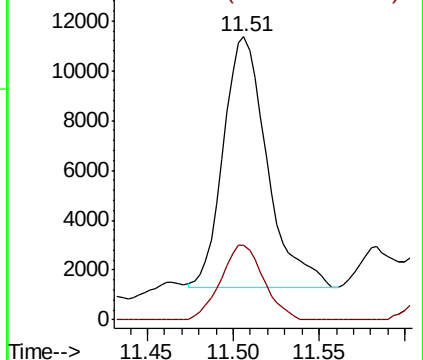


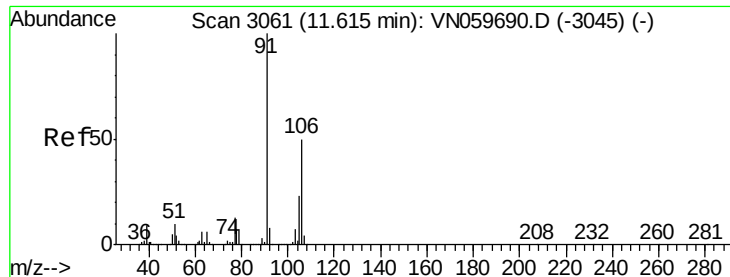
#67
Ethyl Benzene
Concen: 1.640 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059990.D
Acq: 4 Feb 2020 13:27

Tgt Ion: 91 Resp: 17961
Ion Ratio Lower Upper
91 100
106 30.0 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 106.00 (105.70 to 106.70): V

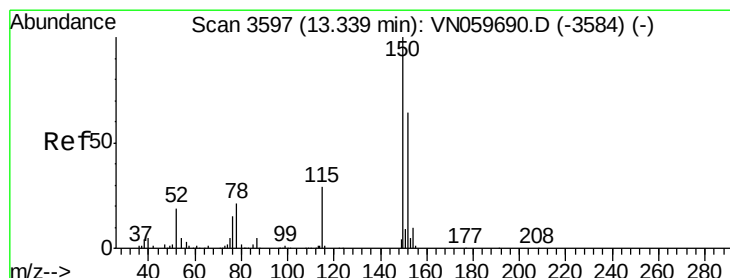
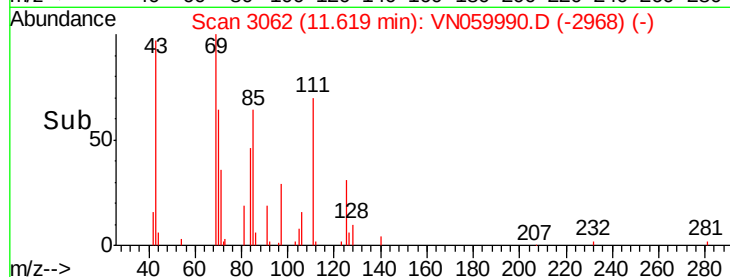
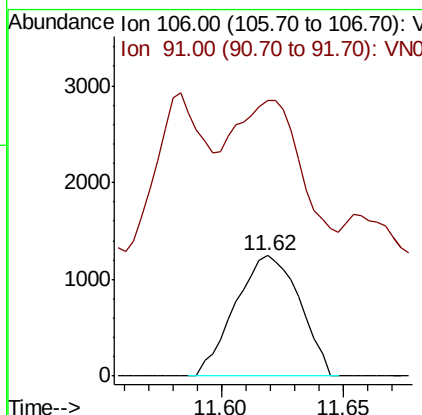
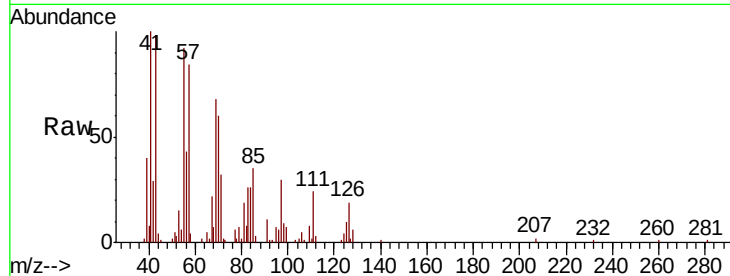




#68
m/p-Xvlenes
Concen: 0.551 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059990.D
Acq: 4 Feb 2020 13:27

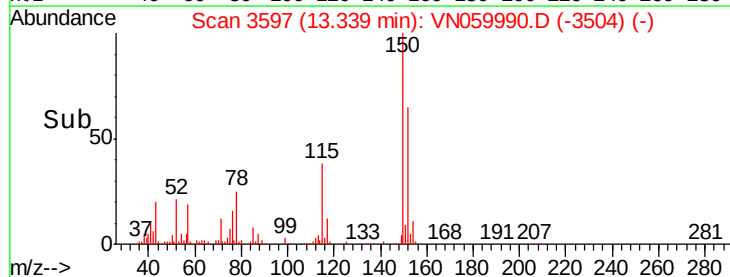
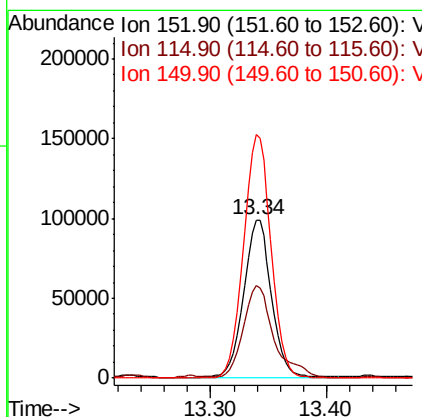
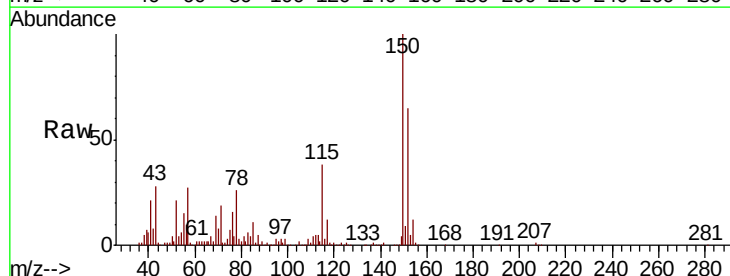
Instrument :
MSVOA_N
ClientSampled :
PD-3-(35-37)

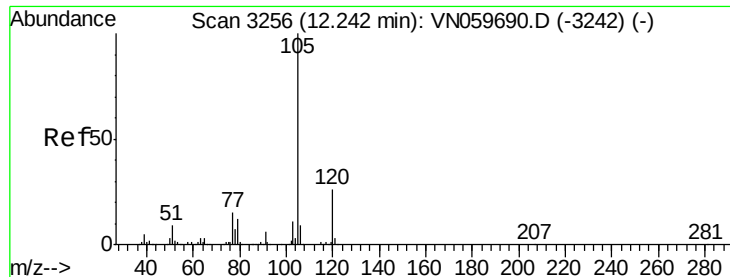
Tot Ion:106 Resp: 2281
Ion Ratio Lower Upper
106 100
91 0.0 167.9 251.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059990.D
Acq: 4 Feb 2020 13:27

Tgt Ion:152 Resp: 163265
Ion Ratio Lower Upper
152 100
115 64.6 30.3 90.9
150 154.2 0.0 345.2





#73

Isopropylbenzene

Concen: 10.414 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

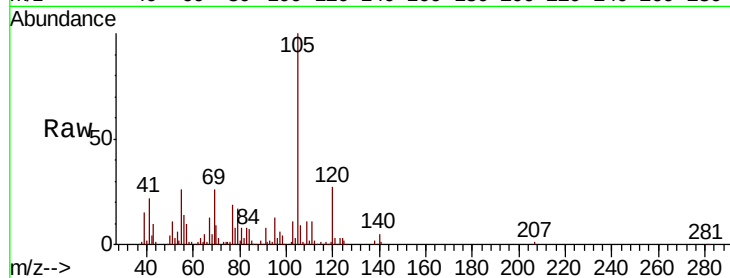
PD-3-(35-37)

Tot Ion:105 Resp: 124695

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

80000

60000

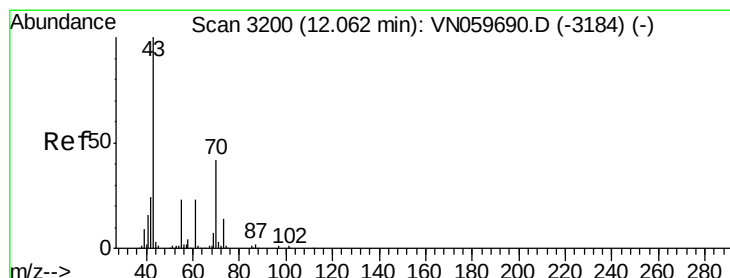
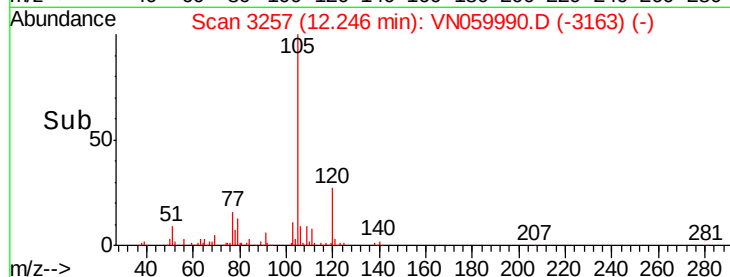
40000

20000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 20.963 ug/l

RT: 12.04 min Scan# 3193

Delta R.T. -0.02 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Tgt Ion: 43 Resp: 97398

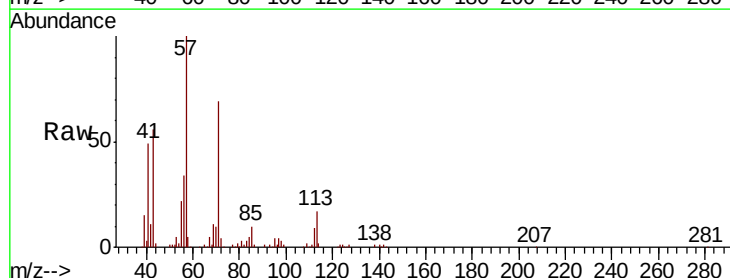
Ion Ratio Lower Upper

43 100

70 12.5 31.3 46.9#

55 12.5 19.8 29.6#

61 0.0 18.3 27.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

100000

80000

60000

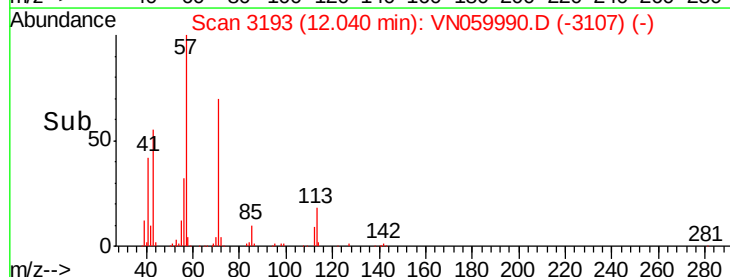
40000

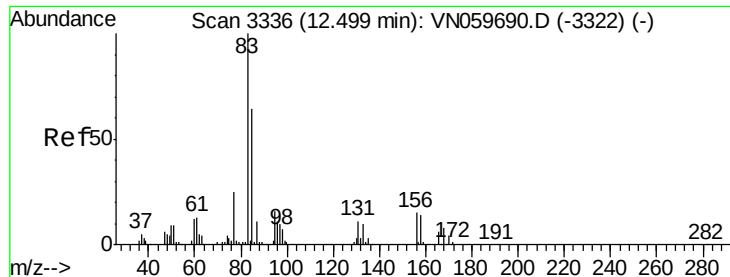
20000

0

12.00 12.05

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.457 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.05 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

PD-3-(35-37)

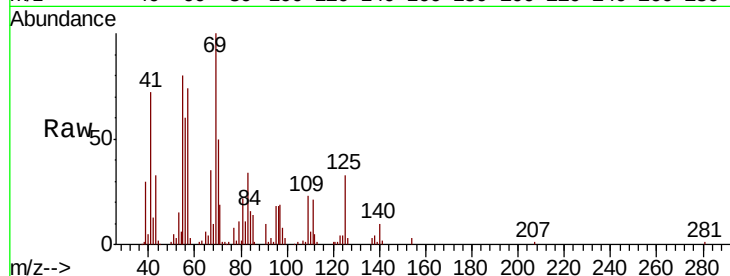
Tot Ion: 83 Resp: 18942

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 27.2 31.9 95.5#

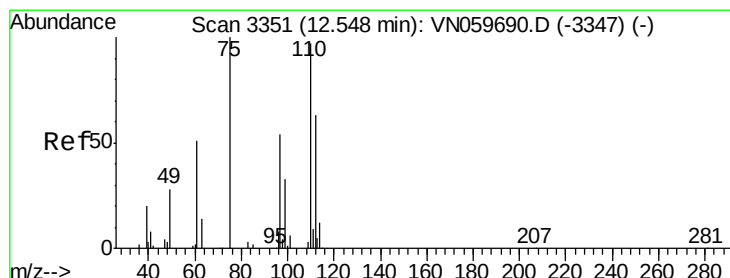
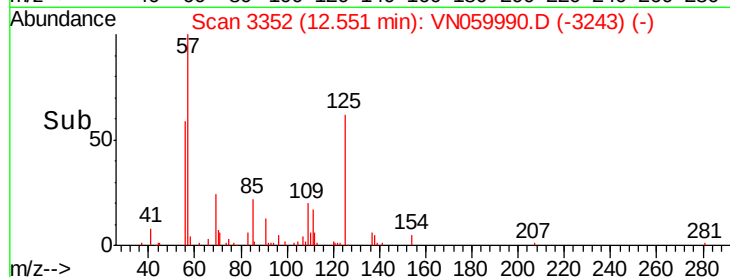
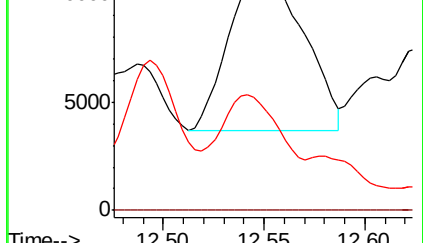


Abundance Ion 82.90 (82.60 to 83.60): VN059990.D (-3352) (-)

Ion 130.80 (130.50 to 131.50): VN059990.D (-3352) (-)

Ion 84.90 (84.60 to 85.60): VN059990.D (-3352) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 1.808 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.04 min

Lab File: VN059990.D

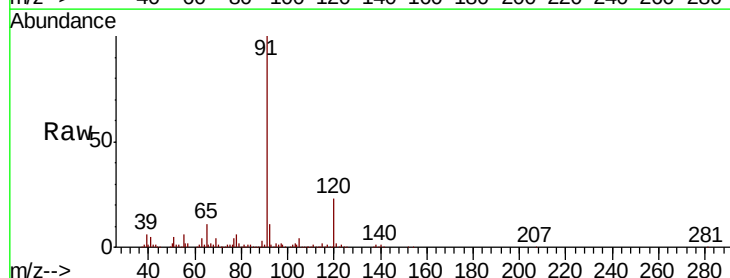
Acq: 4 Feb 2020 13:27

Tgt Ion: 75 Resp: 4967

Ion Ratio Lower Upper

75 100

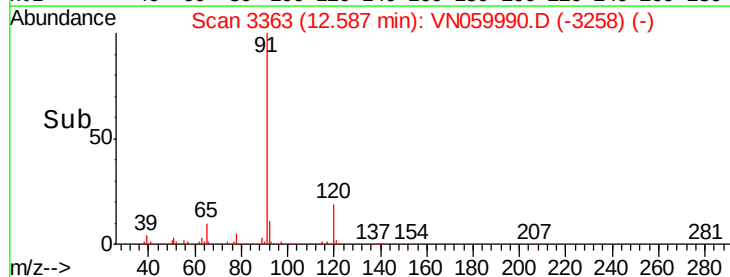
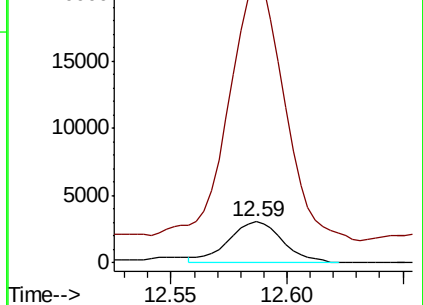
77 655.8 0.0 0.0#

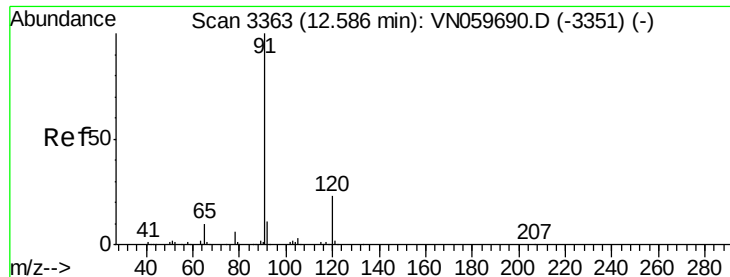


Abundance Ion 74.90 (74.60 to 75.60): VN059990.D (-3363) (-)

Ion 77.00 (76.70 to 77.70): VN059990.D (-3363) (-)

Time-->





#78

n-propylbenzene

Concen: 56.807 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

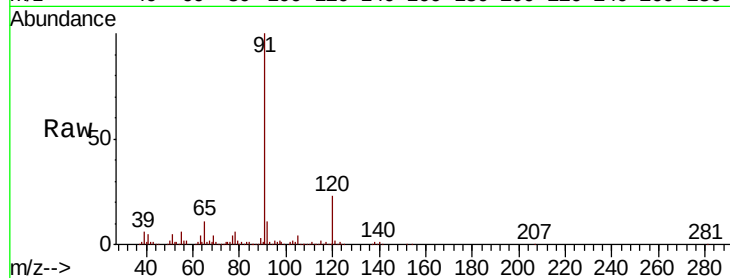
PD-3-(35-37)

Tot Ion: 91 Resp: 763455

Ion Ratio Lower Upper

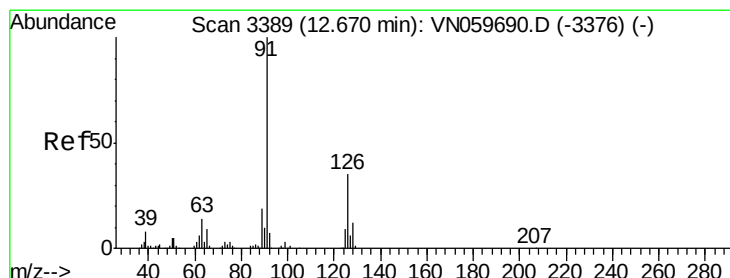
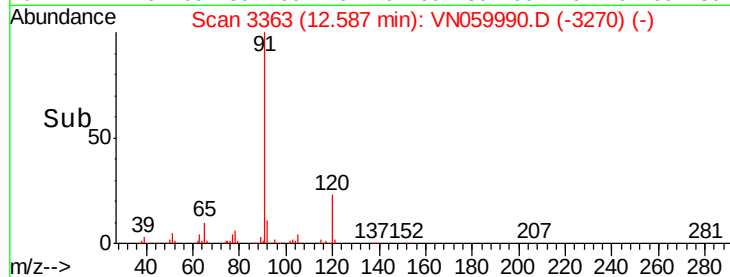
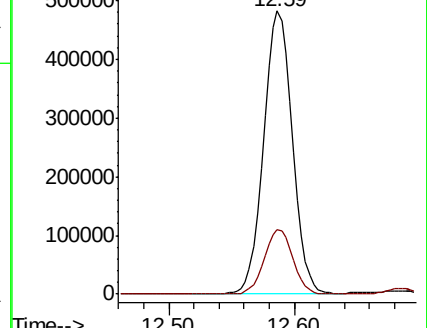
91 100

120 22.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN059990.D (-3351) (-)

Ion 120.00 (119.70 to 120.70): VN059990.D (-3351) (-)



#79

2-Chlorotoluene

Concen: 95.491 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.08 min

Lab File: VN059990.D

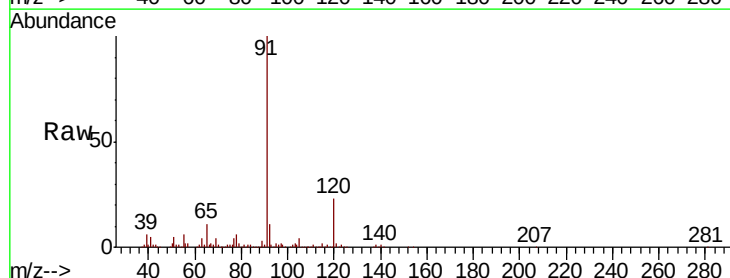
Acq: 4 Feb 2020 13:27

Tgt Ion: 91 Resp: 763455

Ion Ratio Lower Upper

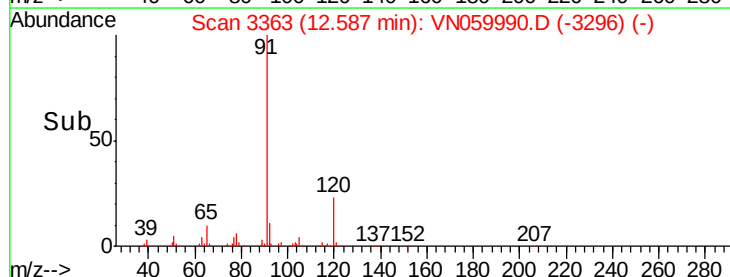
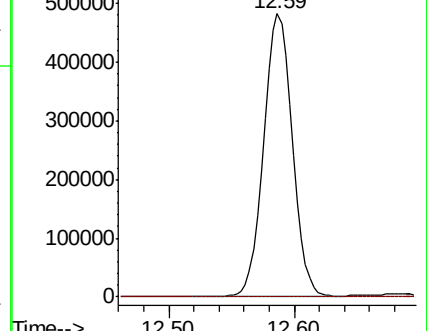
91 100

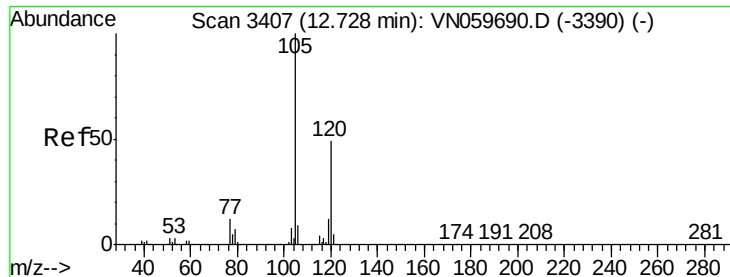
126 0.0 16.3 48.9#



Abundance Ion 91.00 (90.70 to 91.70): VN059990.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059990.D (-3376) (-)





#80

1,3,5-Trimethylbenzene

Concen: 5.595 ug/l

RT: 12.68 min Scan# 3393

Delta R.T. -0.04 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

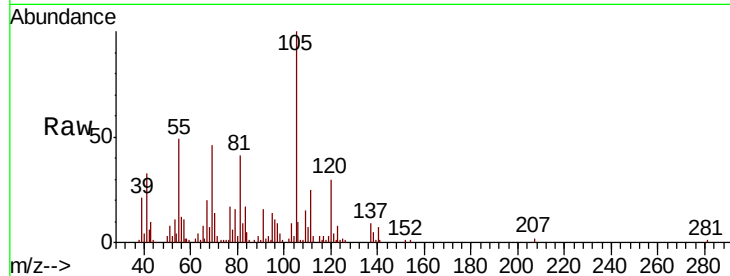
PD-3-(35-37)

Tot Ion:105 Resp: 56344

Ion Ratio Lower Upper

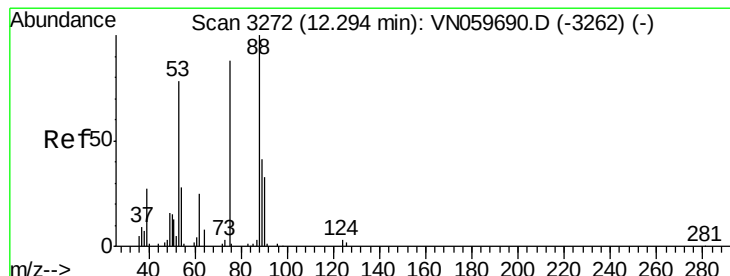
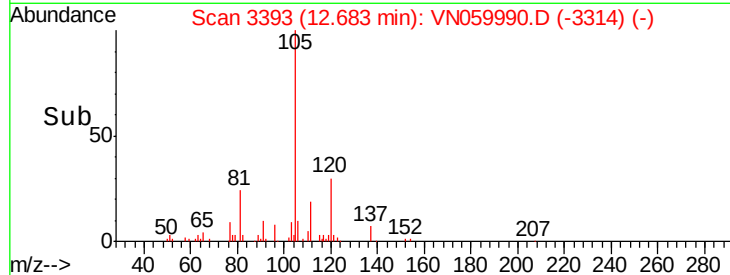
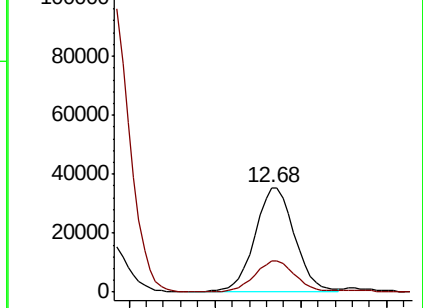
105 100

120 29.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 60.669 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

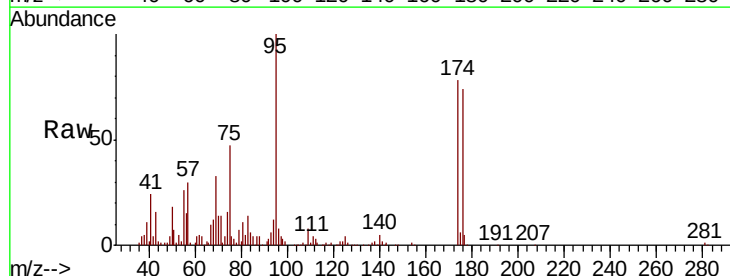
Tgt Ion: 75 Resp: 77622

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

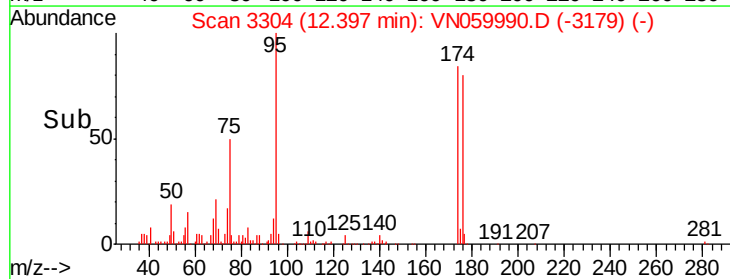
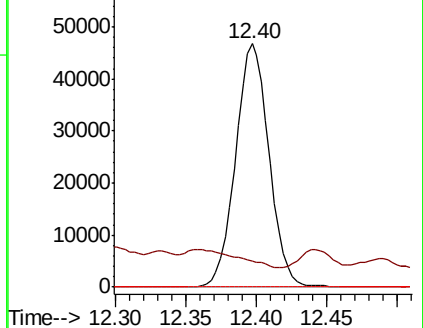
89 0.0 35.4 53.2#

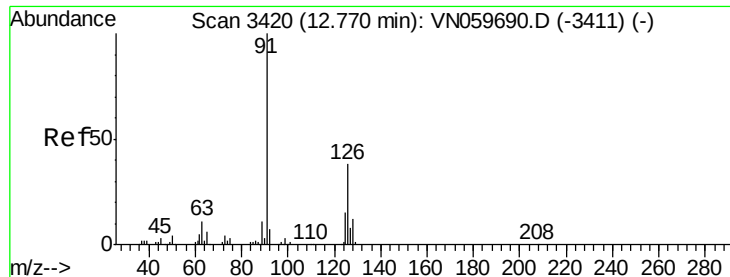


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 95.204 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.18 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

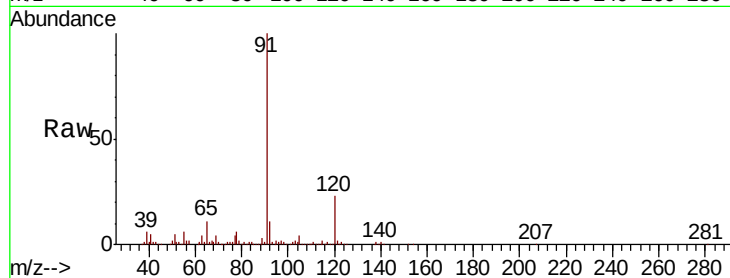
PD-3-(35-37)

Tot Ion: 91 Resp: 763455

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#



Abundance Ion 91.00 (90.70 to 91.70): VN059990.D (-3363) (-)

Ion 125.90 (125.60 to 126.60): VN059990.D (-3363) (-)

12.59

500000

400000

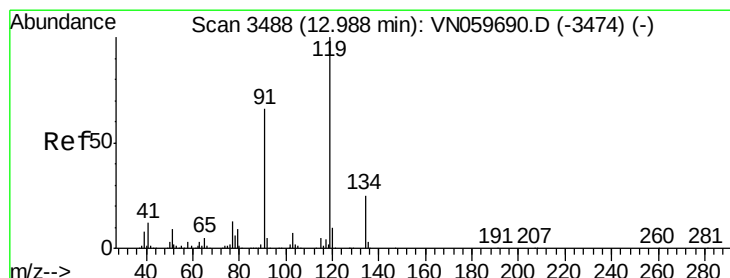
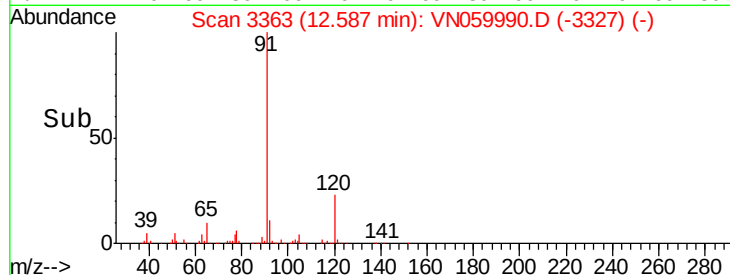
300000

200000

100000

0

Time-->



#83

tert-Butylbenzene

Concen: 0.260 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

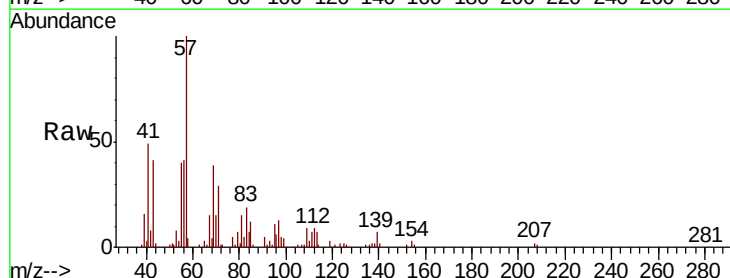
Tgt Ion: 119 Resp: 2266

Ion Ratio Lower Upper

119 100

91 0.0 34.8 104.4#

134 0.0 12.3 36.9#



Abundance Ion 119.00 (118.70 to 119.70): VN059690.D (-3488) (-)

Ion 91.00 (90.70 to 91.70): VN059690.D (-3488) (-)

Ion 134.00 (133.70 to 134.70): VN059690.D (-3488) (-)

12.99

4000

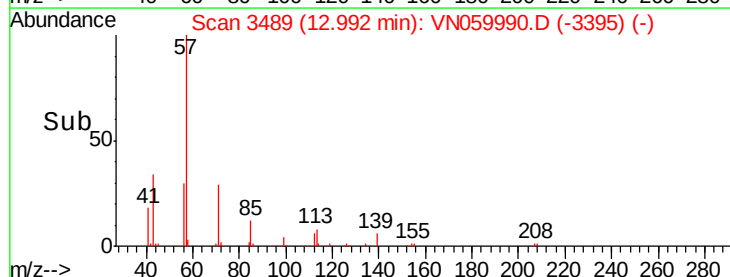
3000

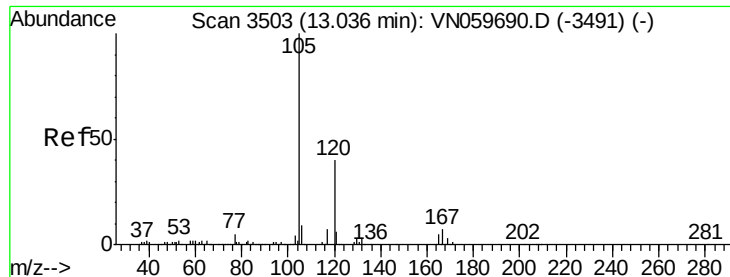
2000

1000

0

Time-->

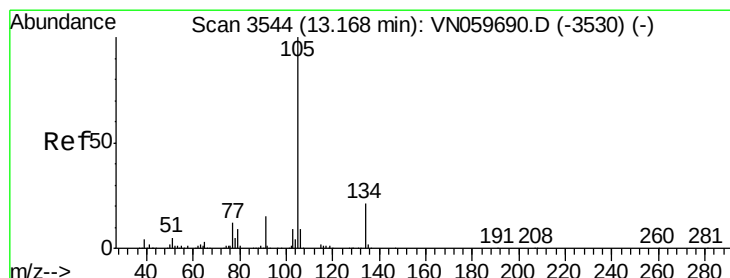
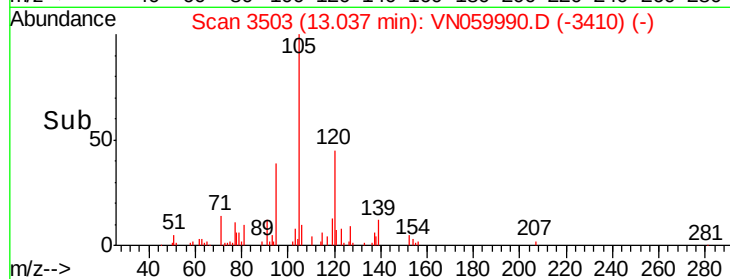
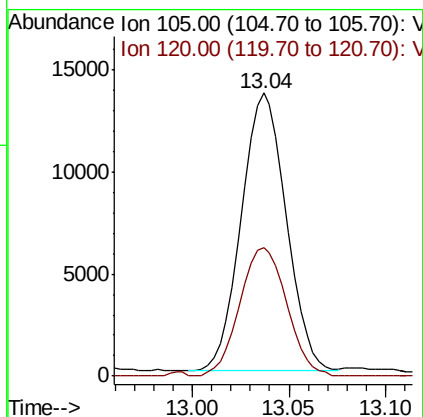
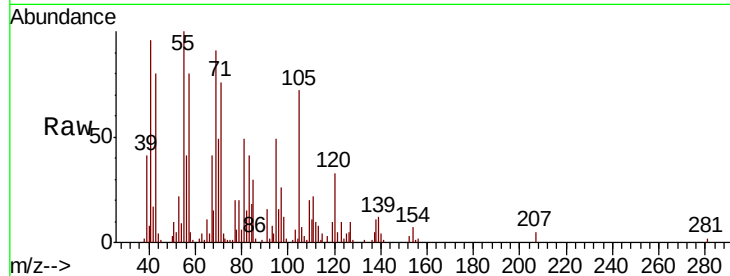




#84
 1,2,4-Trimethylbenzene
 Concen: 2.198 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059990.D
 Acq: 4 Feb 2020 13:27

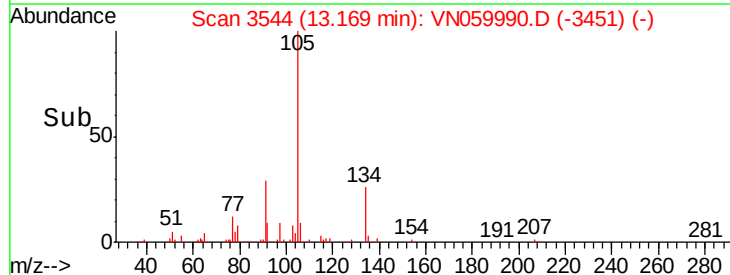
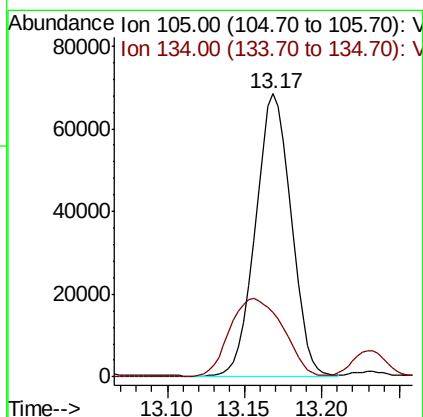
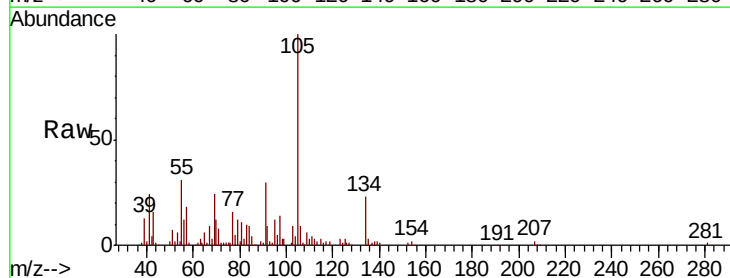
Instrument :
 MSVOA_N
 ClientSampled :
 PD-3-(35-37)

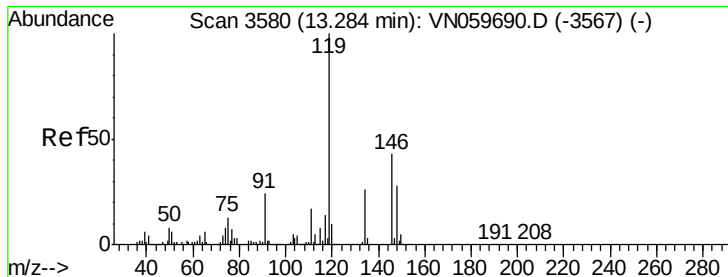
Tot Ion:105 Resp: 21896
 Ion Ratio Lower Upper
 105 100
 120 48.5 22.3 66.9



#85
 sec-Butylbenzene
 Concen: 9.573 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059990.D
 Acq: 4 Feb 2020 13:27

Tgt Ion:105 Resp: 109536
 Ion Ratio Lower Upper
 105 100
 134 41.6 9.8 29.5#





#86

p-Isopropyltoluene

Concen: 2.648 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

PD-3-(35-37)

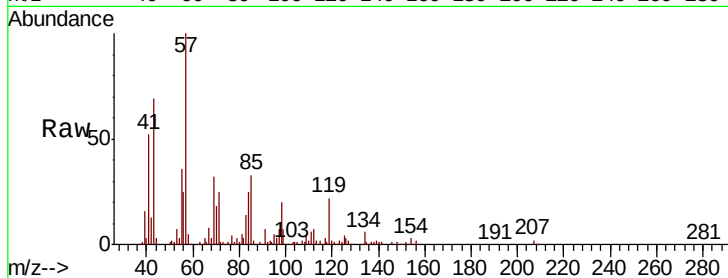
Tot Ion:119 Resp: 28036

Ion Ratio Lower Upper

119 100

134 27.3 12.9 38.7

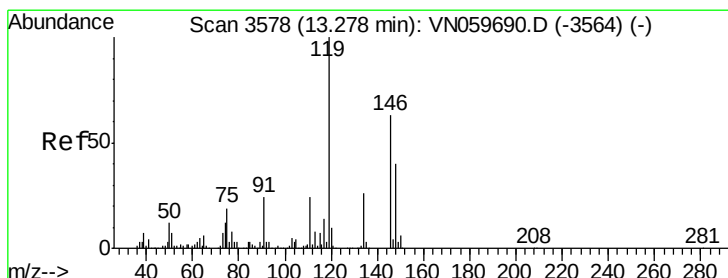
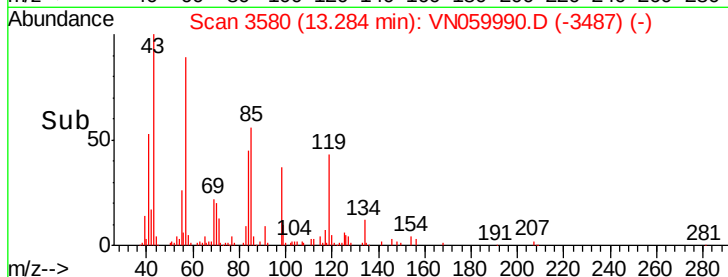
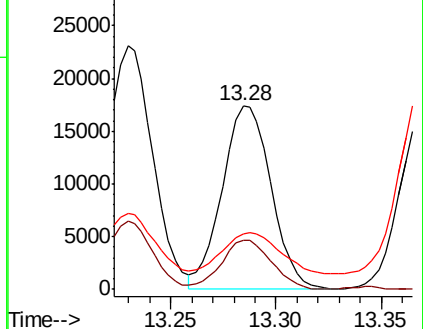
91 26.1 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 0.289 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

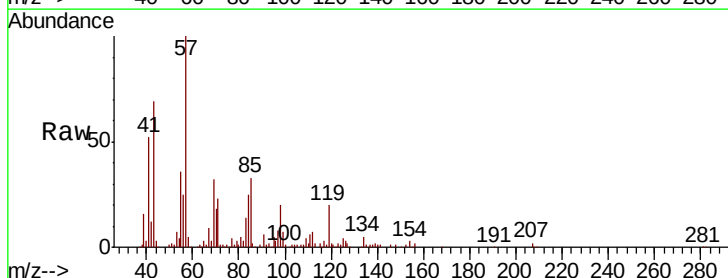
Tgt Ion:146 Resp: 1520

Ion Ratio Lower Upper

146 100

111 445.5 20.8 62.2#

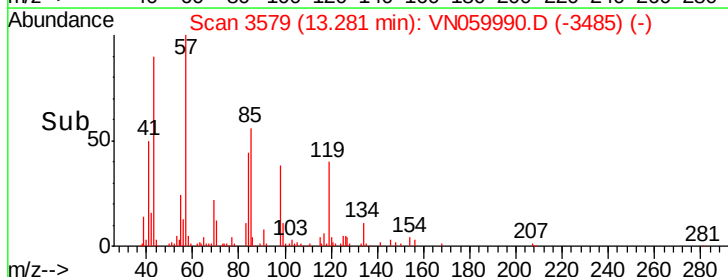
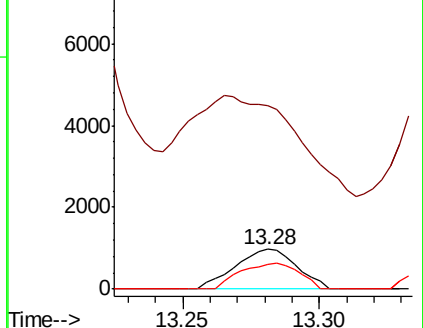
148 61.8 32.0 96.0

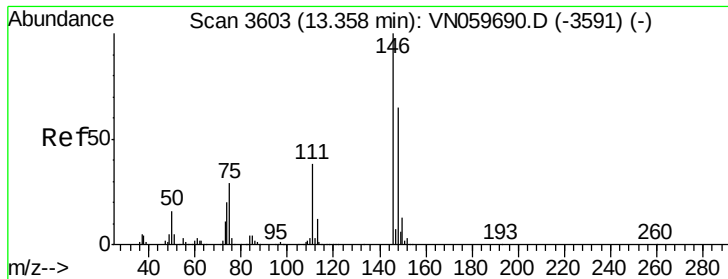


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.317 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

PD-3-(35-37)

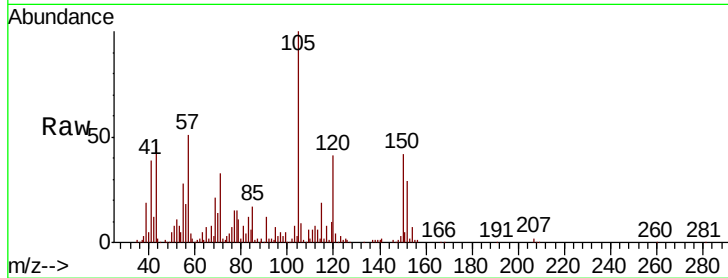
Tot Ion:146 Resp: 1664

Ion Ratio Lower Upper

146 100

111 312.4 20.8 62.2#

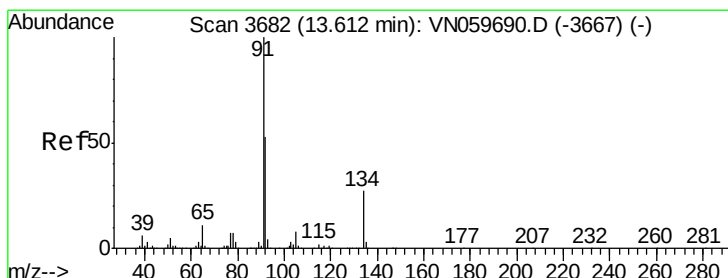
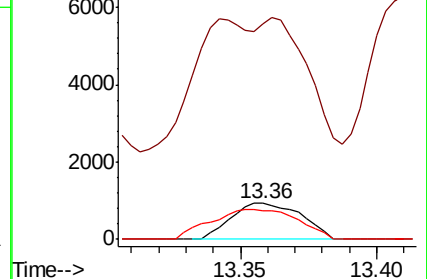
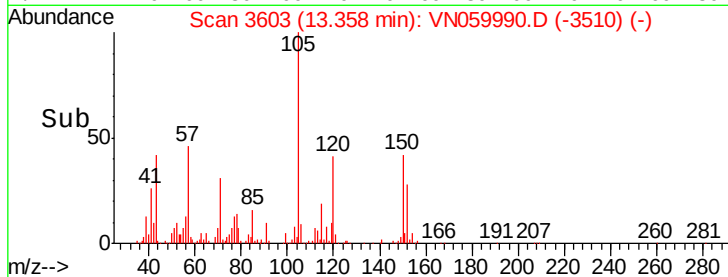
148 103.9 31.8 95.4#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 29.540 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

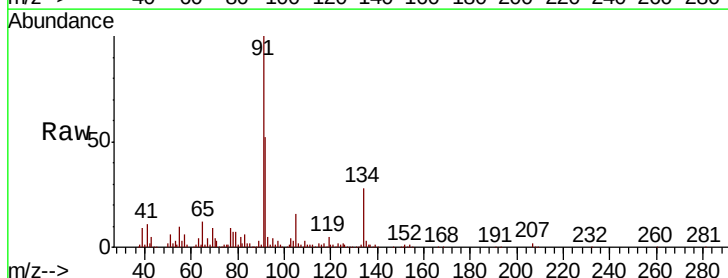
Tgt Ion: 91 Resp: 266679

Ion Ratio Lower Upper

91 100

92 46.7 25.9 77.7

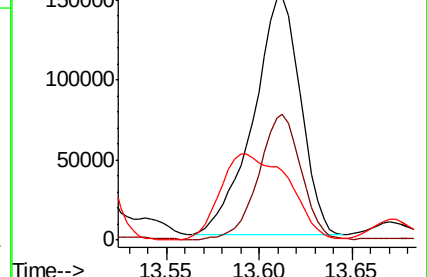
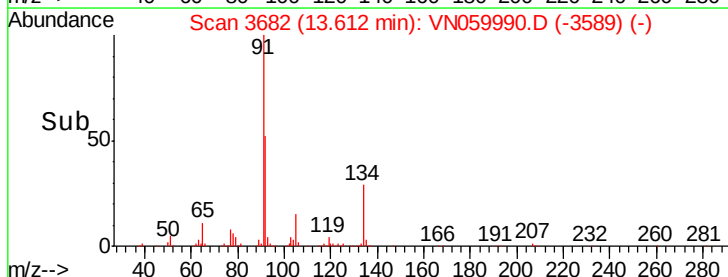
134 0.0 12.3 36.8#

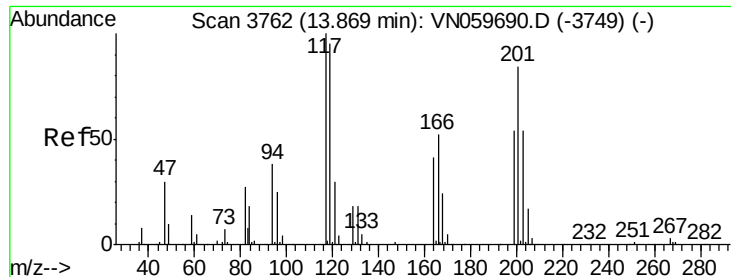


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 55.881 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.02 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

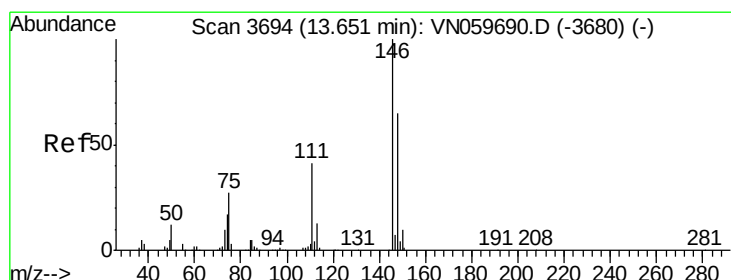
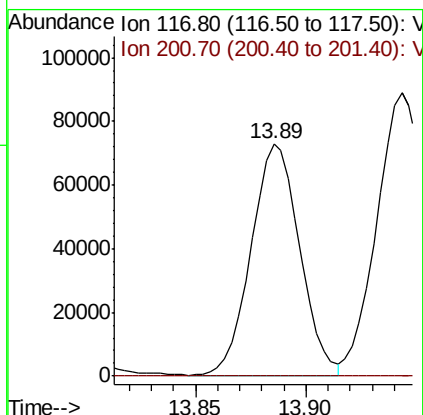
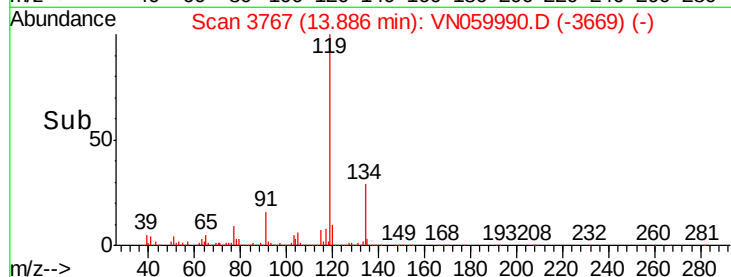
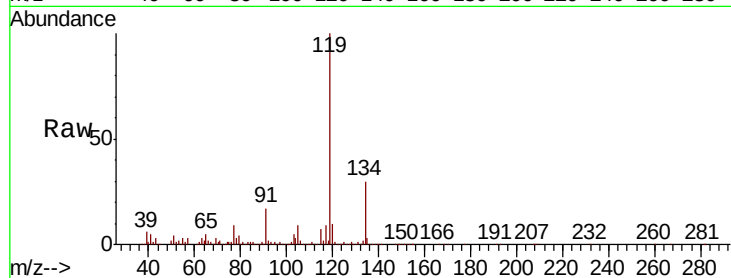
PD-3-(35-37)

Tot Ion:117 Resp: 110698

Ion Ratio Lower Upper

117 100

201 0.0 37.8 113.4#



#91

1,2-Dichlorobenzene

Concen: 0.288 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

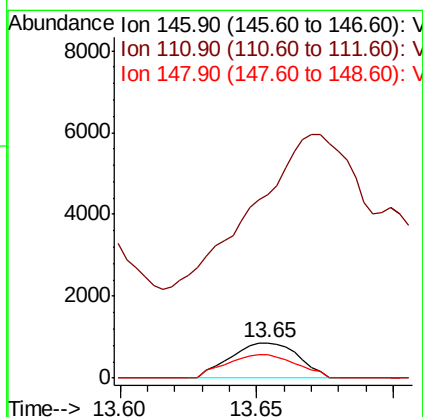
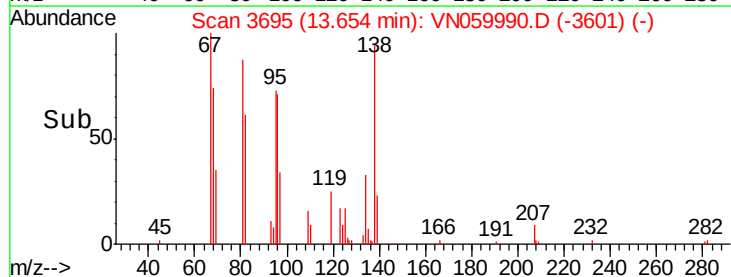
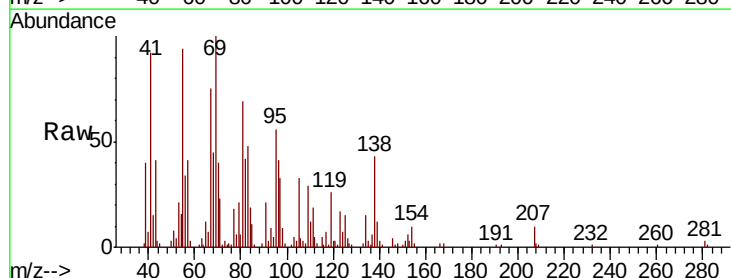
Tgt Ion:146 Resp: 1500

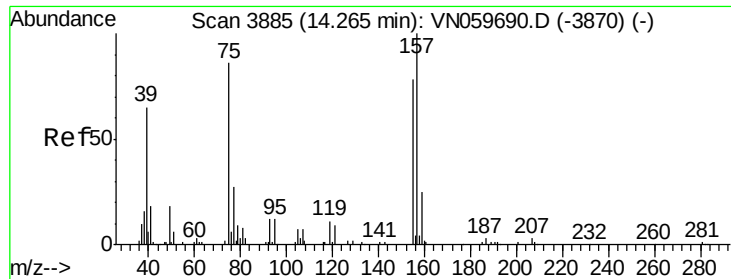
Ion Ratio Lower Upper

146 100

111 1003.9 21.6 64.8#

148 68.9 31.6 95.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.203 ug/l

RT: 14.29 min Scan# 3892

Delta R.T. 0.02 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

PD-3-(35-37)

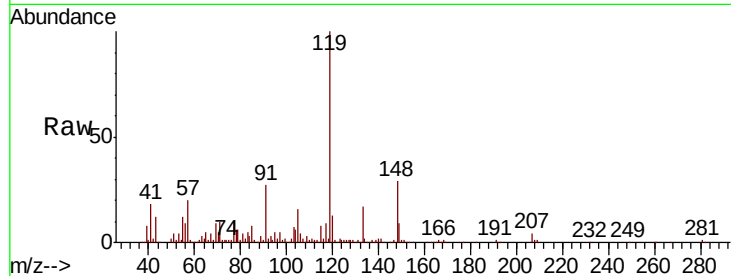
Tot Ion: 75 Resp: 2415

Ion Ratio Lower Upper

75 100

155 1.9 37.0 110.9#

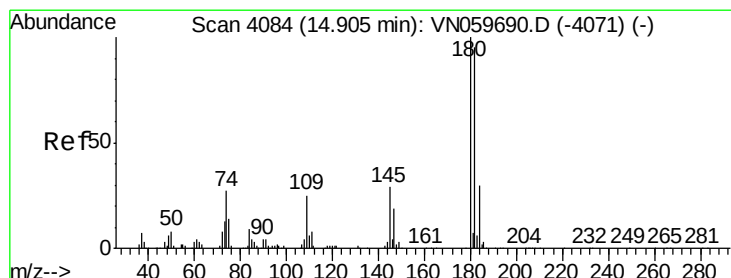
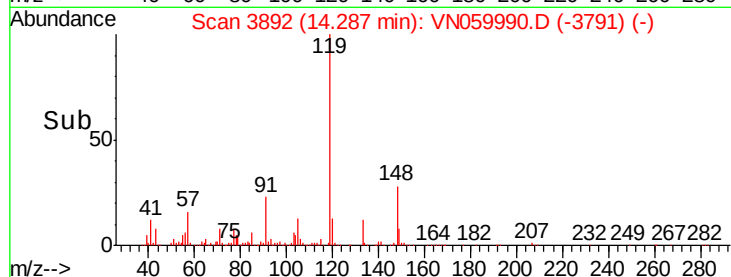
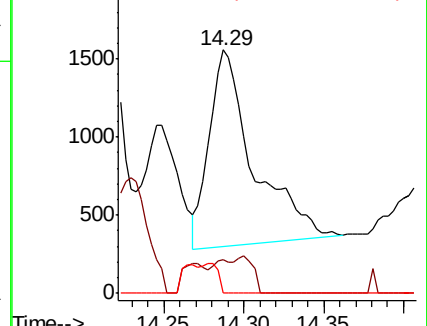
157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN059990.D (-3870) (-)

Ion 154.80 (154.50 to 155.50): VN059990.D (-3870) (-)

Ion 156.80 (156.50 to 157.50): VN059990.D (-3870) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.605 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

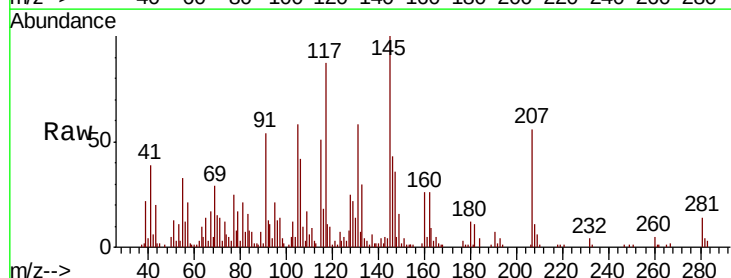
Tgt Ion: 180 Resp: 5021

Ion Ratio Lower Upper

180 100

182 85.2 46.9 140.7

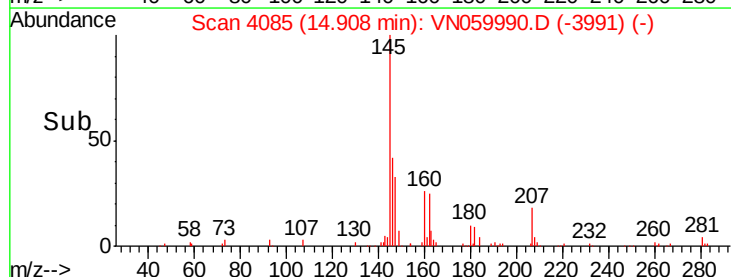
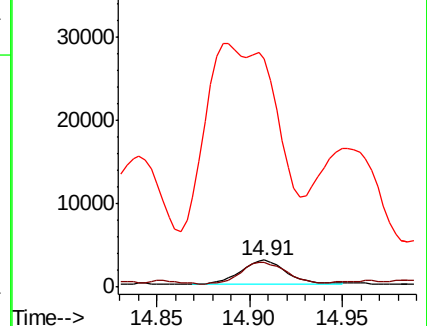
145 0.0 15.0 45.1#

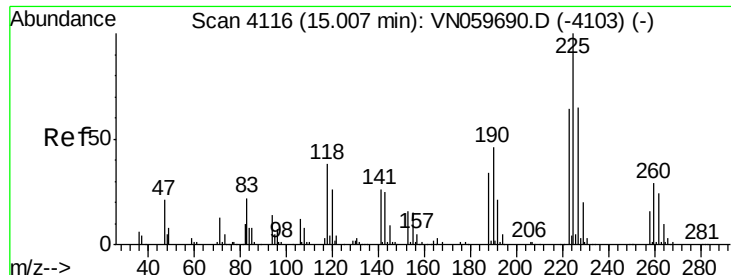


Abundance Ion 179.80 (179.50 to 180.50): VN059990.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN059990.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN059990.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: 1.147 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

PD-3-(35-37)

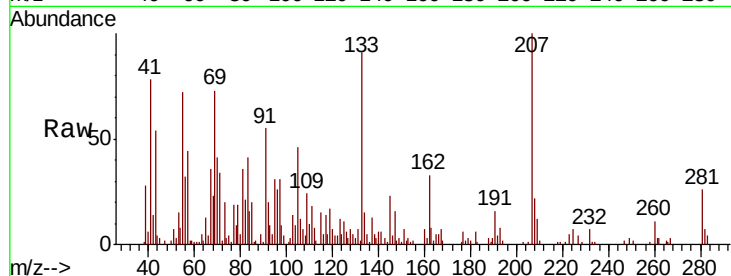
Tot Ion:225 Resp: 1978

Ion Ratio Lower Upper

225 100

223 70.8 31.8 95.3

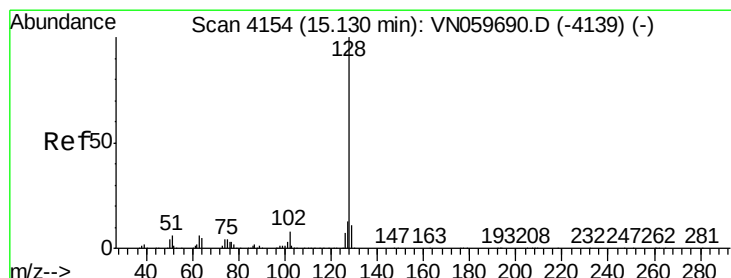
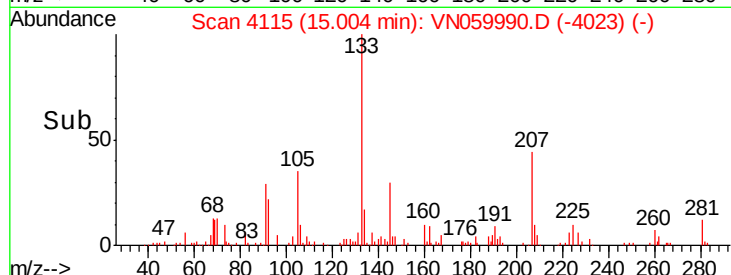
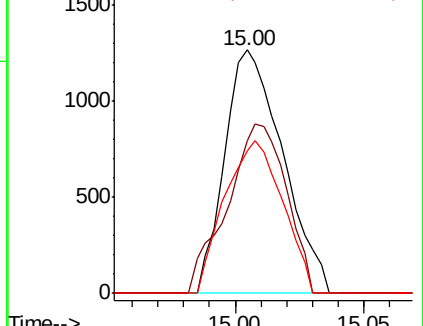
227 62.7 32.1 96.5



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: 13.241 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059990.D

Acq: 4 Feb 2020 13:27

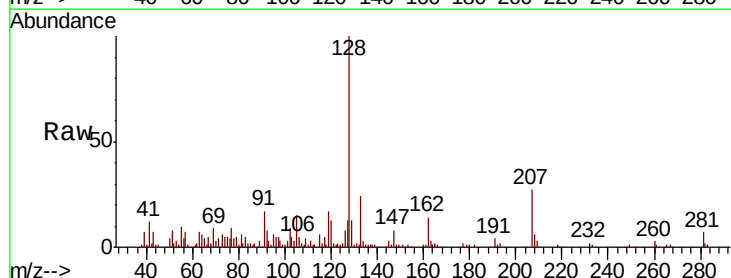
Tgt Ion:128 Resp: 117845

Ion Ratio Lower Upper

128 100

127 14.0 10.4 15.6

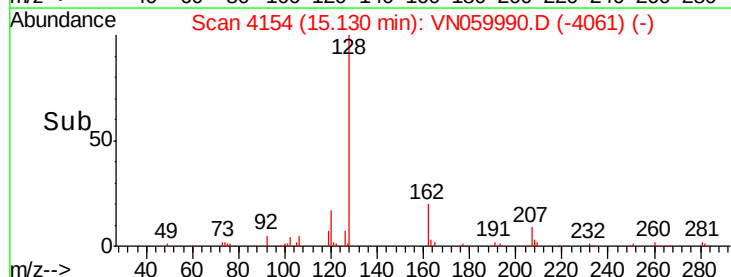
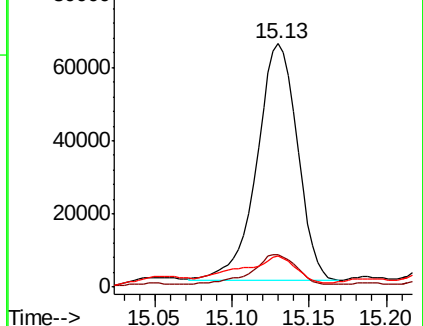
129 14.6 8.6 12.8#

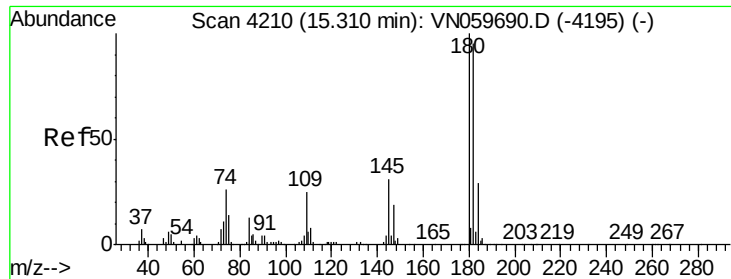


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.616 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: VN059990.D
 Acq: 4 Feb 2020 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 PD-3-(35-37)

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.4	142.3
145	960.7	16.3	48.9#

