

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060167.D
 Acq On : 20 Feb 2020 12:53
 Operator : JC/MD
 Sample : L1589-01 10X
 Misc : 11.95µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 02:23:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	186519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	294222	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162172	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	109224	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
35) Dibromofluoromethane	7.56	113	88474	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	10.08	98	369946	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	12.40	95	150656	57.57	ug/l	0.00
Spiked Amount			Recovery	=	115.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	104	0.306	ug/l #	72
25) 2-Butanone	6.60	43	1440	1.157	ug/l #	46
31) Cyclohexane	7.63	56	36703	11.434	ug/l #	95
36) 1,1-Dichloropropene	7.64	75	13541	4.969	ug/l #	49
38) Carbon Tetrachloride	7.64	117	17459	5.899	ug/l #	15
39) Methylcyclohexane	9.06	83	130498	38.576	ug/l	98
40) Benzene	8.02	78	34781	4.302	ug/l	99
43) Isopropyl Acetate	8.13	43	3004	0.713	ug/l #	54
45) 1,2-Dichloropropane	9.07	63	1192	0.596	ug/l #	1
47) Bromodichloromethane	9.35	83	679	0.236	ug/l #	26
48) Methyl methacrylate	9.13	41	2606	1.380	ug/l #	9
51) 4-Methyl-2-Pentanone	10.07	43	7055	2.895	ug/l	95
52) Toluene	10.14	92	450056	86.817	ug/l	98
53) t-1,3-Dichloropropene	10.14	75	5586	1.721	ug/l #	1
55) 1,1,2-Trichloroethane	10.52	97	44449	21.978	ug/l #	20
56) Ethyl methacrylate	10.42	69	9523	3.329	ug/l #	1
59) 2-Hexanone	10.71	43	30266	16.078	ug/l #	28
67) Ethyl Benzene	11.50	91	815670	77.411	ug/l	100
68) m/p-Xylenes	11.61	106	837296	211.724	ug/l	100
69) o-Xylene	11.94	106	406239	106.689	ug/l	99
70) Styrene	11.94	104	20358	3.316	ug/l #	1
73) Isopropylbenzene	12.24	105	419165	34.613	ug/l	100
74) N-ethyl acetate	12.04	43	24705	5.657	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.55	83	6563	1.883	ug/l #	25
76) 1,2,3-Trichloropropane	12.59	75	4671	1.505	ug/l #	100
78) n-propylbenzene	12.59	91	719862	52.174	ug/l	100
79) 2-Chlorotoluene	12.65	91	187777	23.154	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	352679	35.026	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.24	75	4809	3.795	ug/l #	58
82) 4-Chlorotoluene	12.73	91	38458	4.622	ug/l #	43
83) tert-Butylbenzene	13.03	119	183563	20.608	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.03	105	1494921	150.403	ug/l	99
85) sec-Butylbenzene	13.17	105	535374	45.385	ug/l	96
86) p-Isopropyltoluene	13.28	119	210810	19.724	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

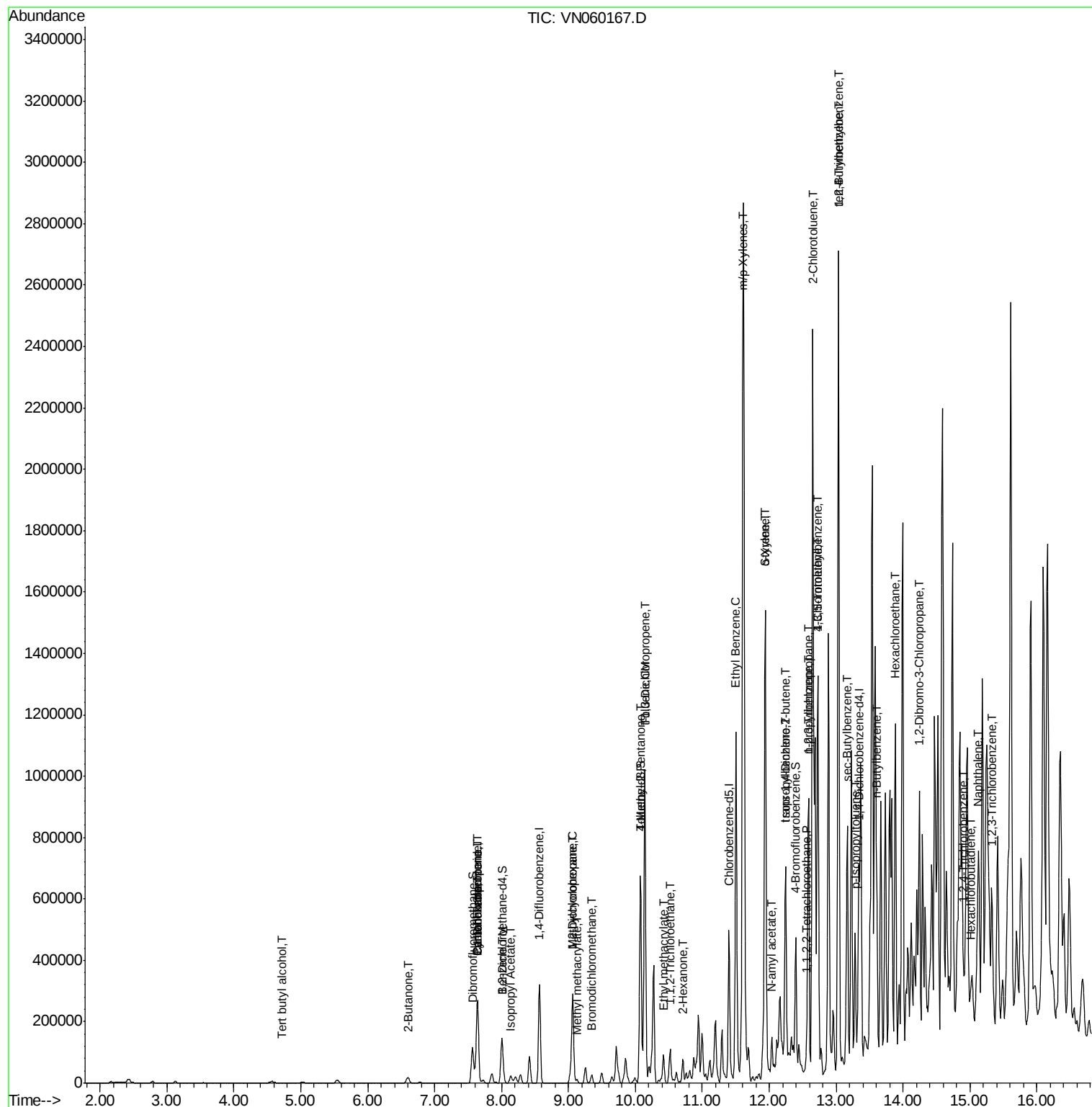
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.61	91	347389	36.954	uq/l #	70
90) Hexachloroethane	13.89	117	48628	24.354	uq/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2963	3.277	uq/l #	7
93) 1,2,4-Trichlorobenzene	14.90	180	1814	0.593	uq/l #	78
94) Hexachlorobutadiene	15.00	225	382	0.213	uq/l	96
95) Naphthalene	15.13	128	340821	41.245	uq/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	2015	0.661	uq/l #	1

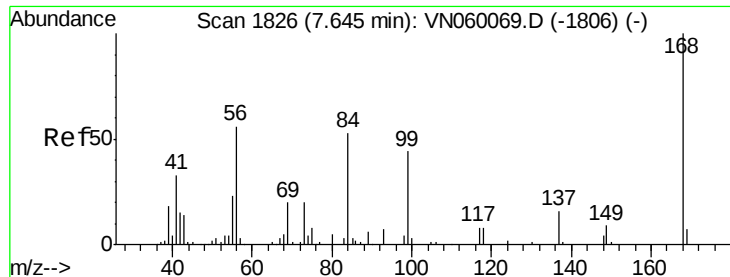
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

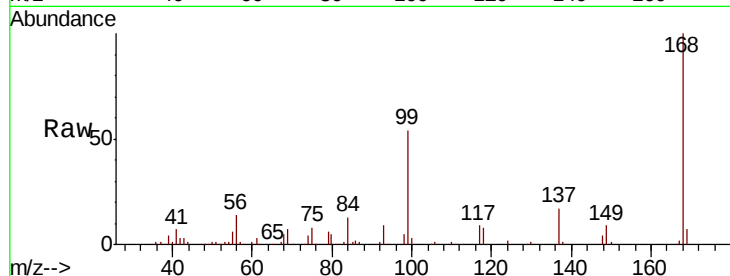
ClientSampleId :

Tot Ion:168 Resp: 186519

Ion Ratio Lower Upper

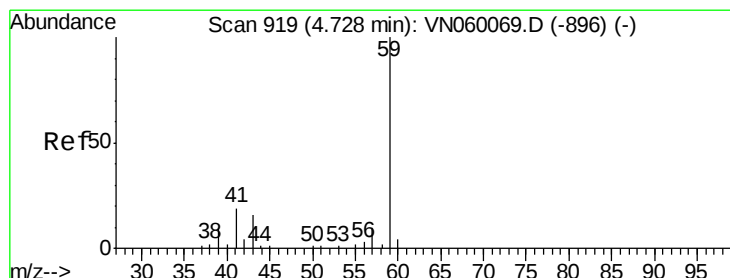
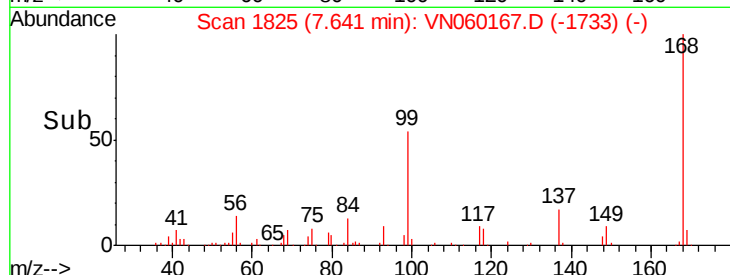
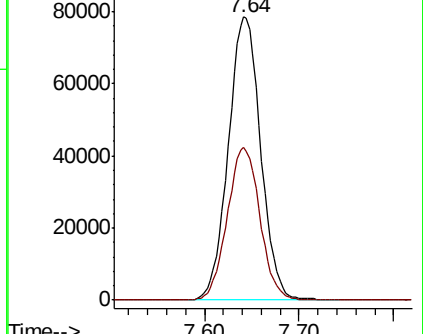
168 100

99 54.0 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 0.306 ug/l

RT: 4.72 min Scan# 915

Delta R.T. -0.01 min

Lab File: VN060167.D

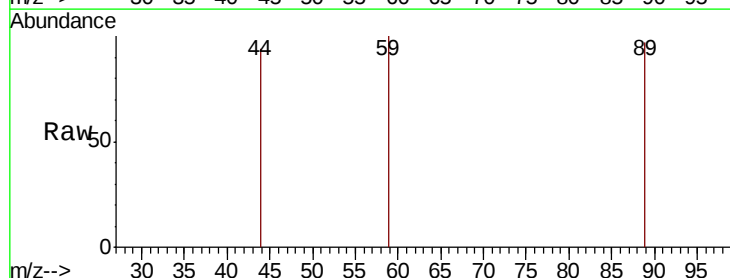
Acq: 20 Feb 2020 12:53

Tgt Ion: 59 Resp: 104

Ion Ratio Lower Upper

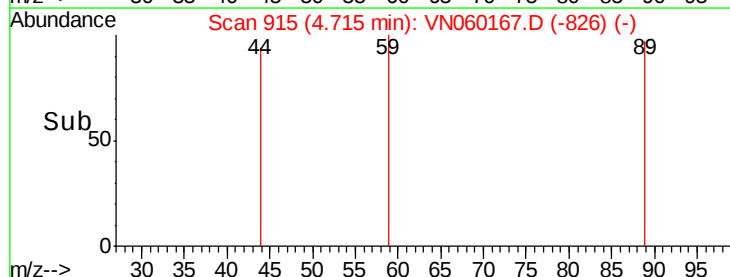
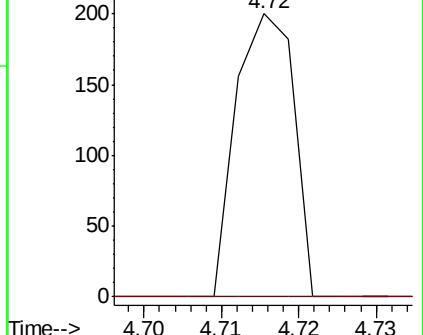
59 100

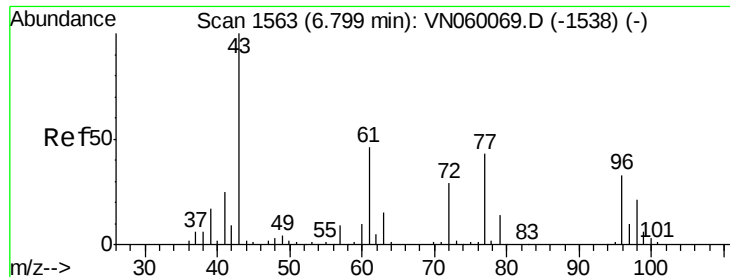
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#25

2-Butanone

Concen: 1.157 ug/l

RT: 6.60 min Scan# 1502

Delta R.T. -0.20 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

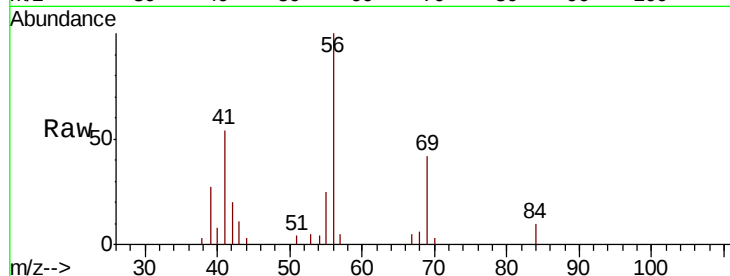
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1440

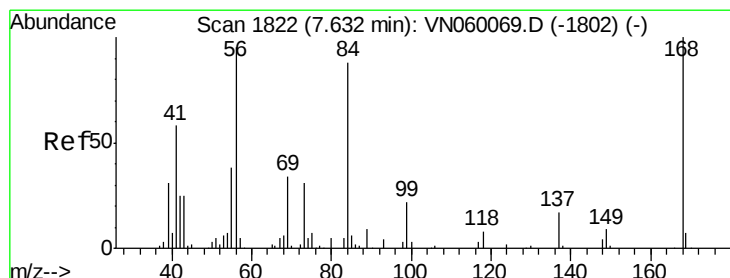
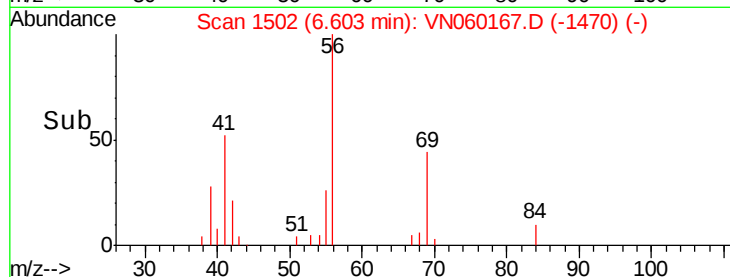
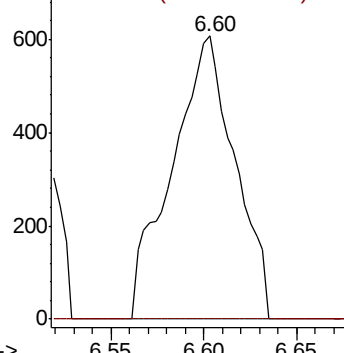
Ion Ratio Lower Upper

43 100

72 0.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 11.434 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

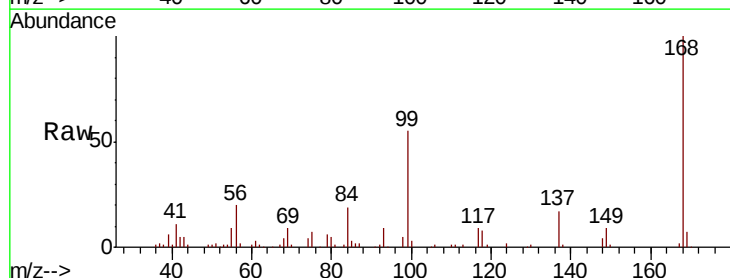
Tgt Ion: 56 Resp: 36703

Ion Ratio Lower Upper

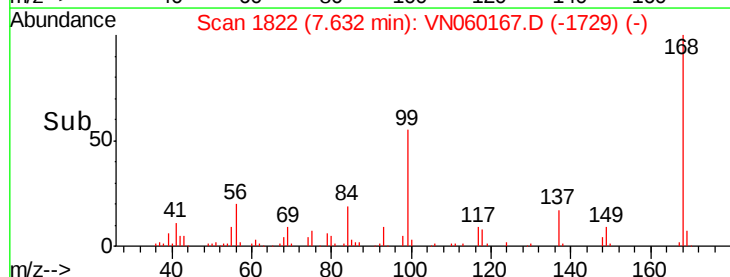
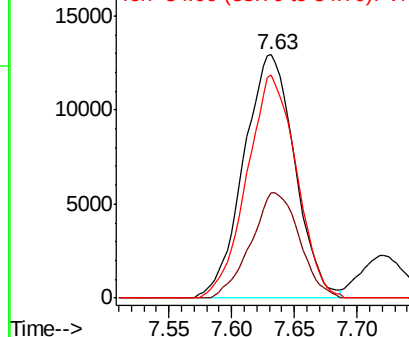
56 100

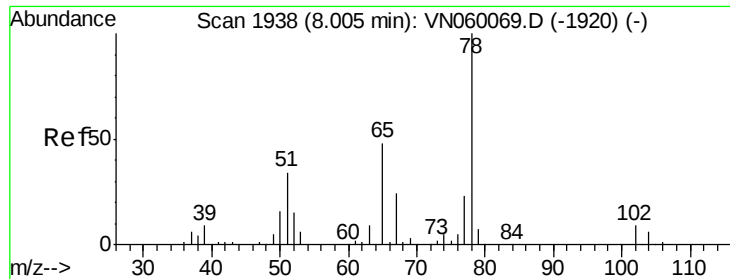
69 43.2 28.3 42.5#

84 91.9 72.6 108.8



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

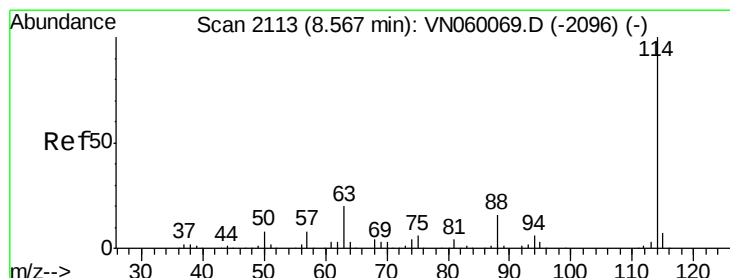
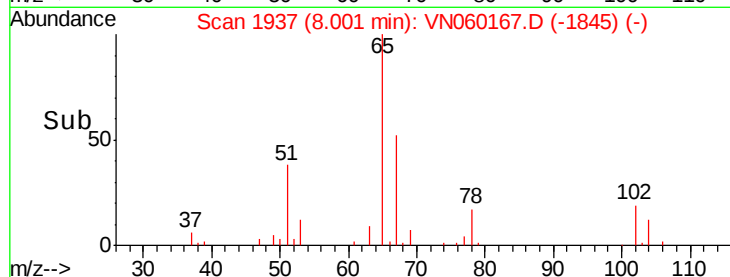
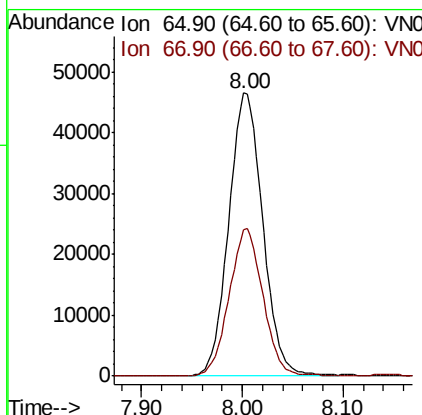
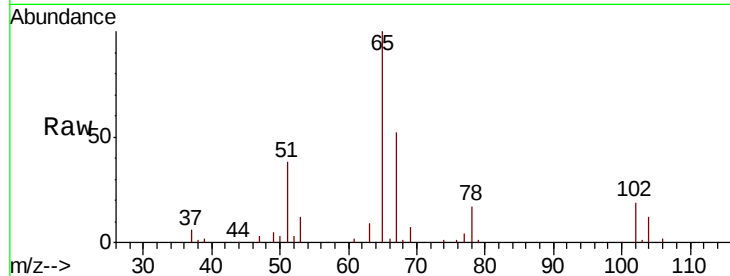




#33
 1,2-Dichloroethane-d4
 Concen: 48.124 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060167.D
 Acq: 20 Feb 2020 12:53

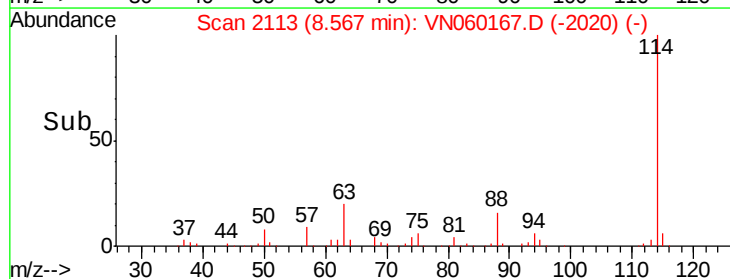
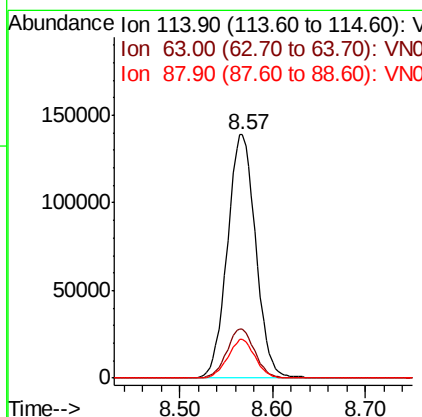
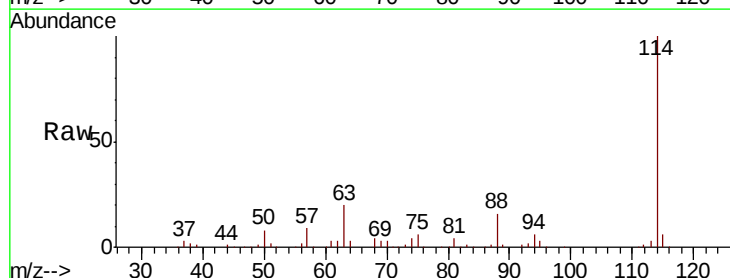
Instrument :
 MSVOA_N
 ClientSampleId :

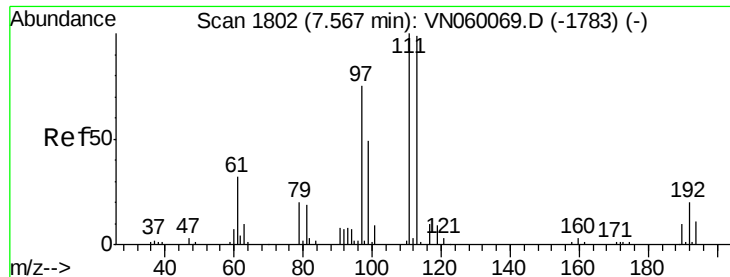
Tot Ion: 65 Resp: 109224
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060167.D
 Acq: 20 Feb 2020 12:53

Tgt Ion: 114 Resp: 294222
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 16.0 0.0 31.6

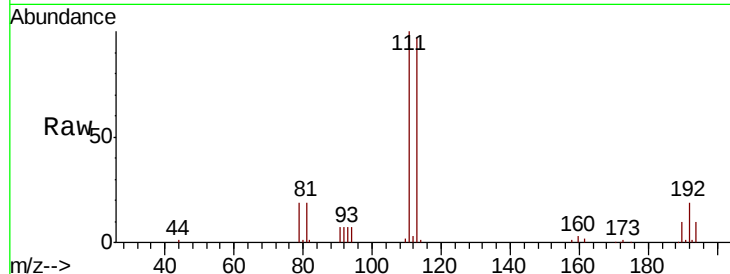




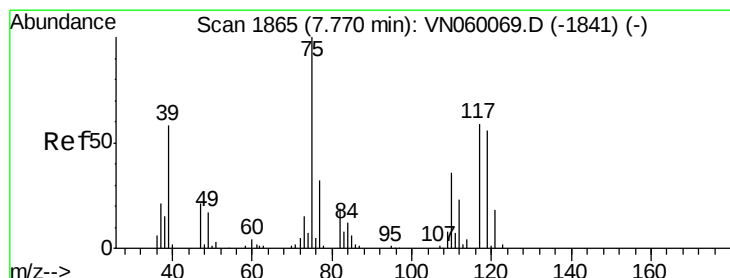
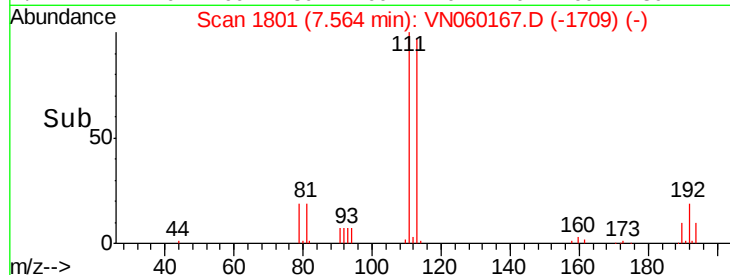
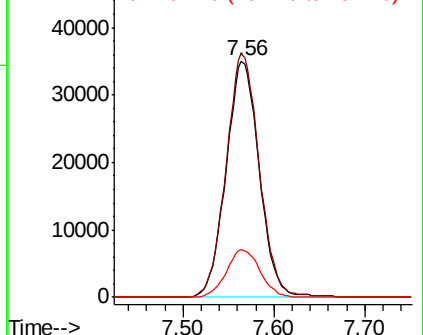
#35
 Dibromofluoromethane
 Concen: 48.919 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060167.D
 Acq: 20 Feb 2020 12:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 88474
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.4 122.2
 192 20.4 16.2 24.2

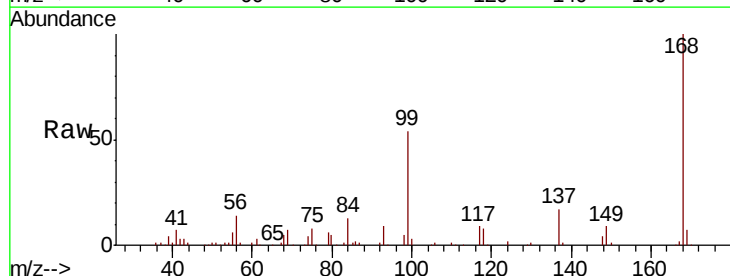


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

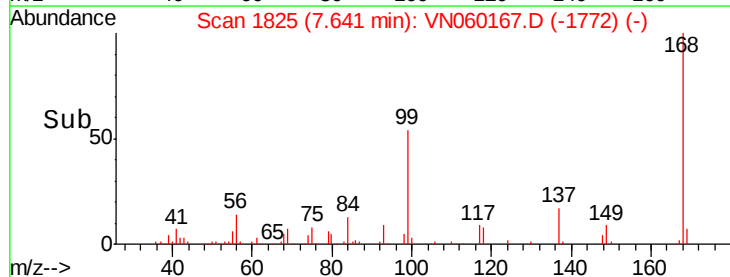
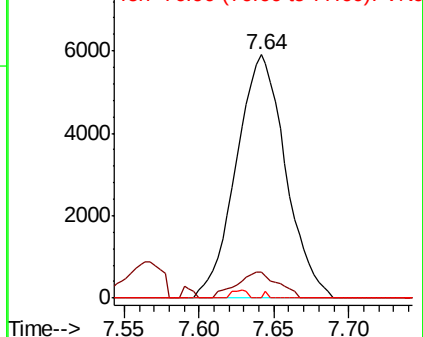


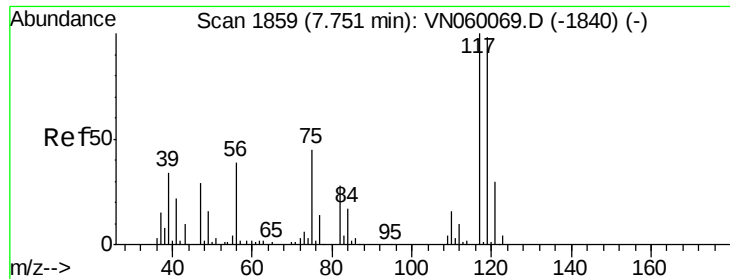
#36
 1,1-Dichloropropene
 Concen: 4.969 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060167.D
 Acq: 20 Feb 2020 12:53

Tgt Ion: 75 Resp: 13541
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.3#
 77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

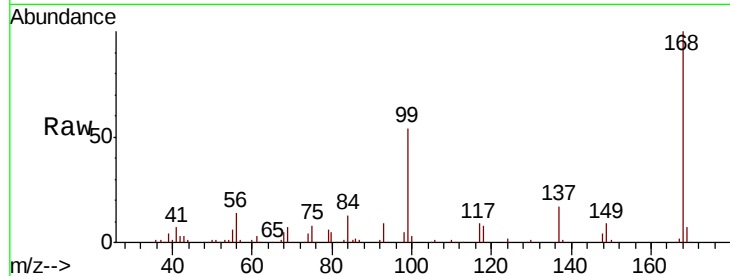




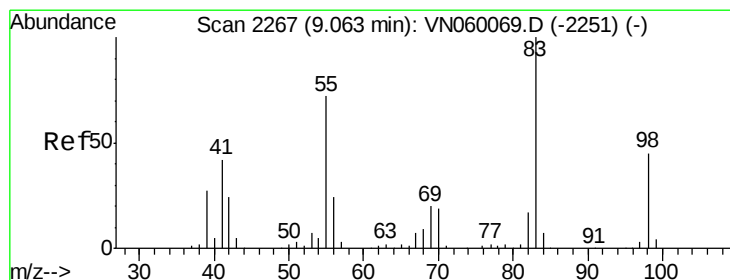
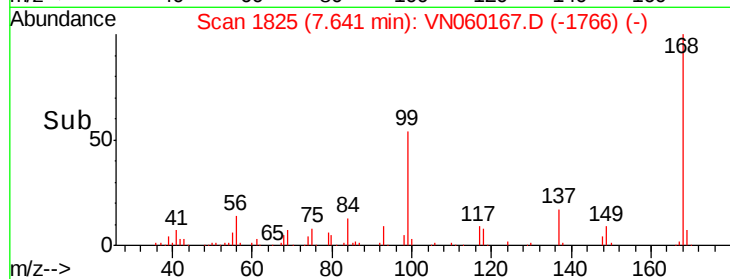
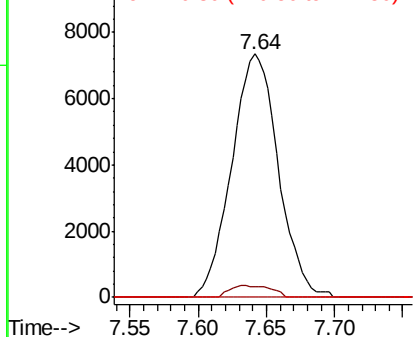
#38
Carbon Tetrachloride
Concen: 5.899 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 17459
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.4#
121 0.0 24.2 36.2#

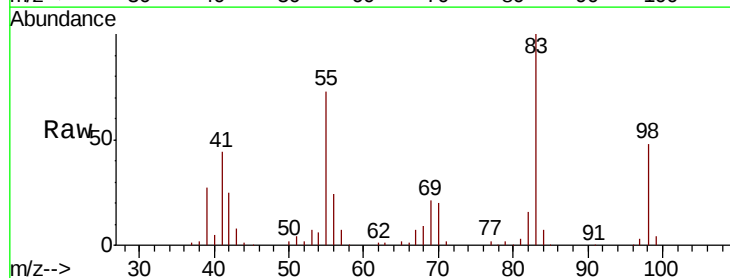


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

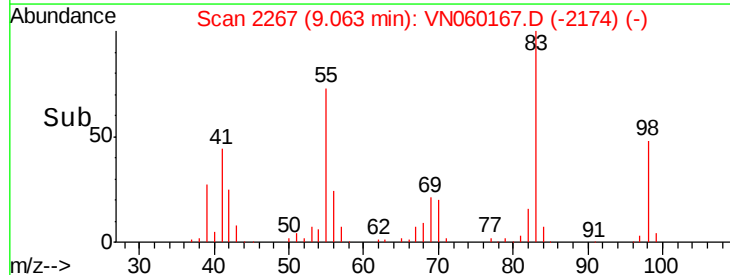
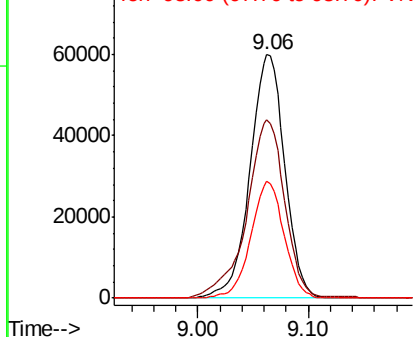


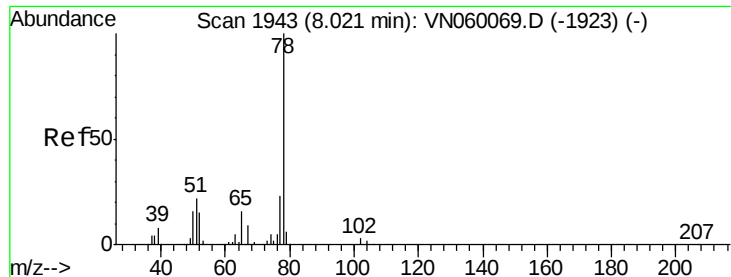
#39
Methylcyclohexane
Concen: 38.576 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

Tgt Ion: 83 Resp: 130498
Ion Ratio Lower Upper
83 100
55 72.8 57.8 86.8
98 48.0 36.4 54.6



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 4.302 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

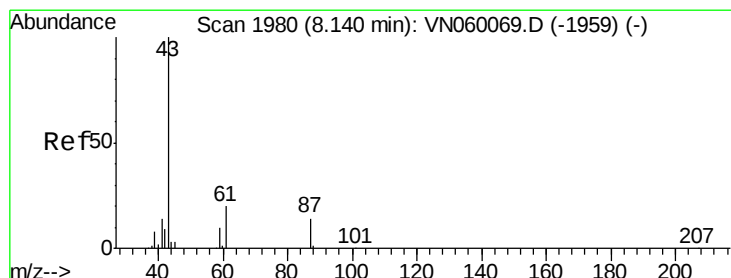
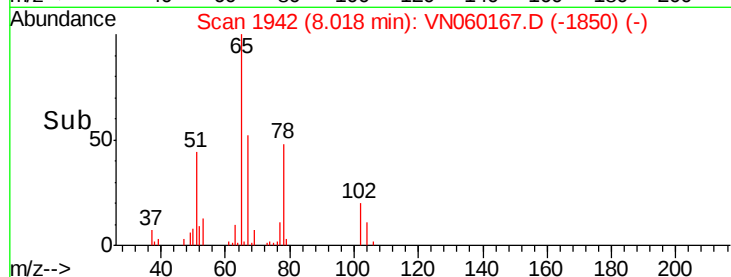
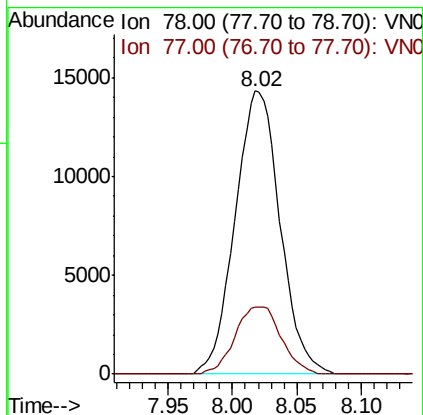
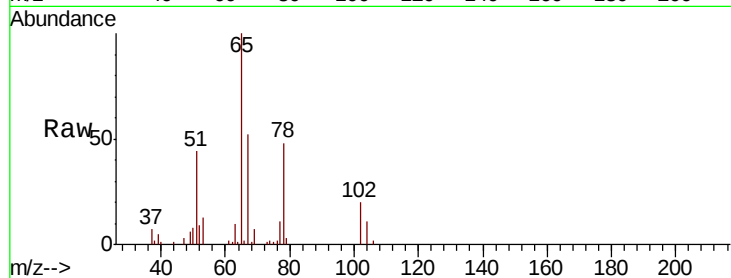
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 78 Resp: 34781

Ion Ratio Lower Upper

78 100

77 23.8 18.8 28.2



#43

Isopropyl Acetate

Concen: 0.713 ug/l

RT: 8.13 min Scan# 1978

Delta R.T. -0.01 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

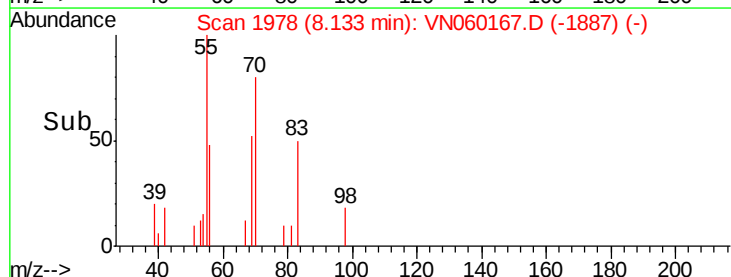
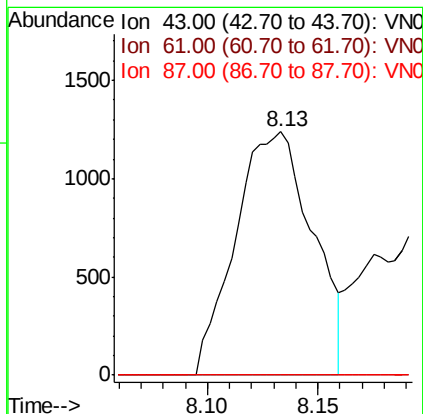
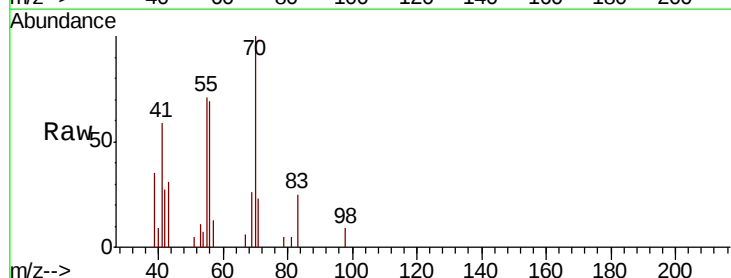
Tgt Ion: 43 Resp: 3004

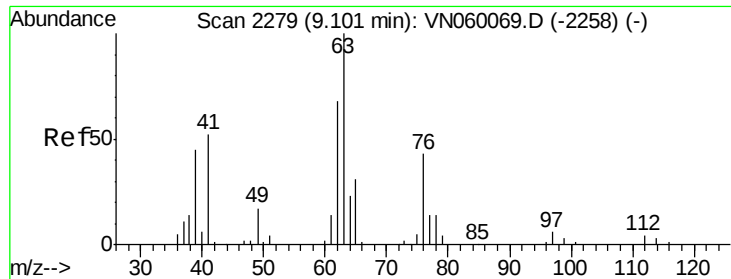
Ion Ratio Lower Upper

43 100

61 0.0 21.8 32.6#

87 0.0 11.4 17.2#





#45

1,2-Dichloropropane

Concen: 0.596 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.04 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

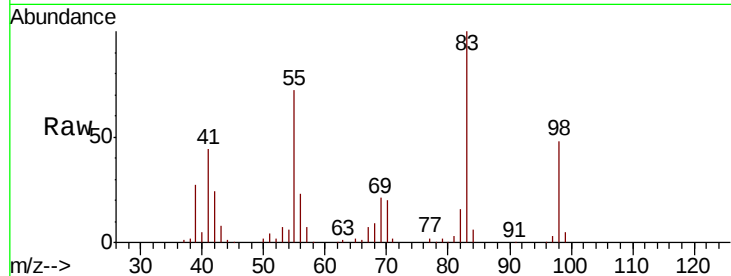
ClientSampled :

Tot Ion: 63 Resp: 1192

Ion Ratio Lower Upper

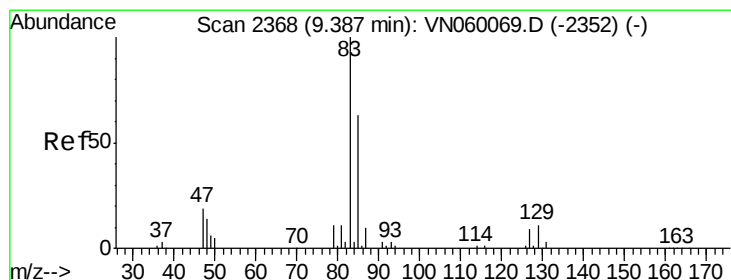
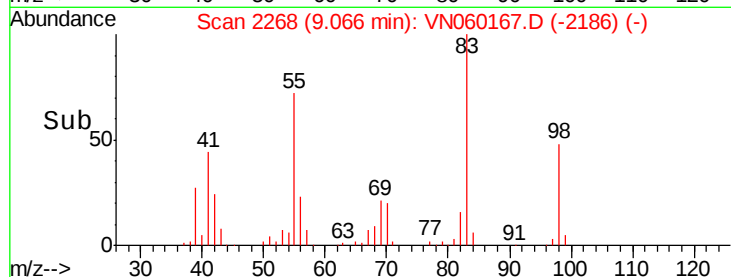
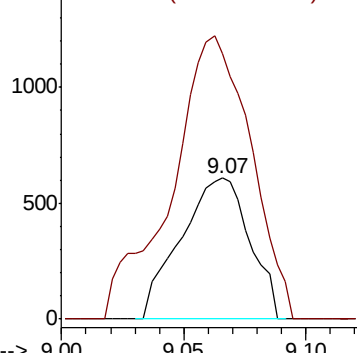
63 100

65 162.3 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#47

Bromodichloromethane

Concen: 0.236 ug/l

RT: 9.35 min Scan# 2355

Delta R.T. -0.04 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

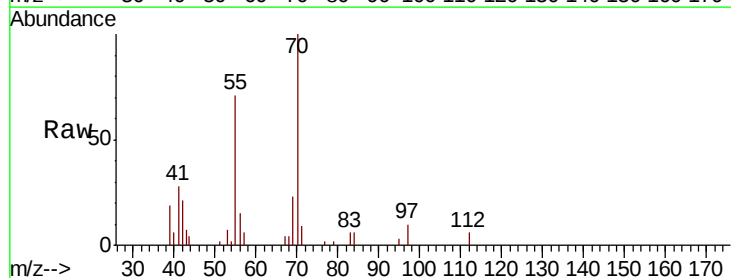
Tgt Ion: 83 Resp: 679

Ion Ratio Lower Upper

83 100

85 0.0 50.6 75.8#

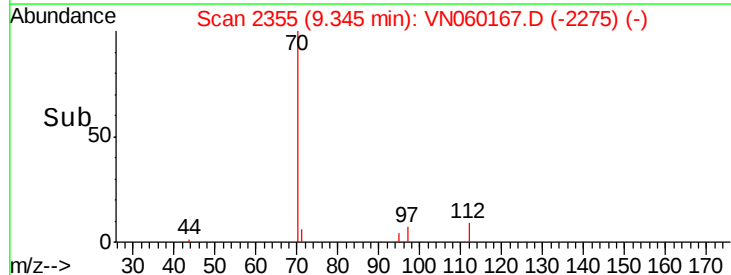
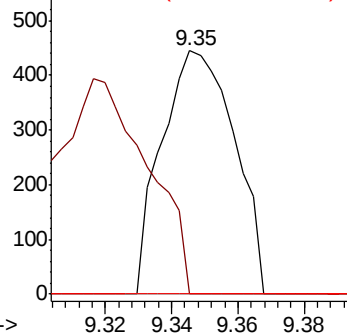
127 0.0 7.0 10.6#

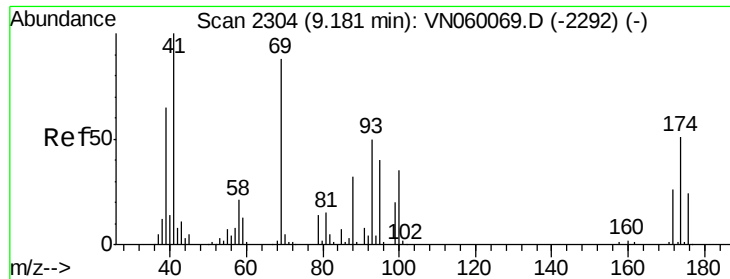


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

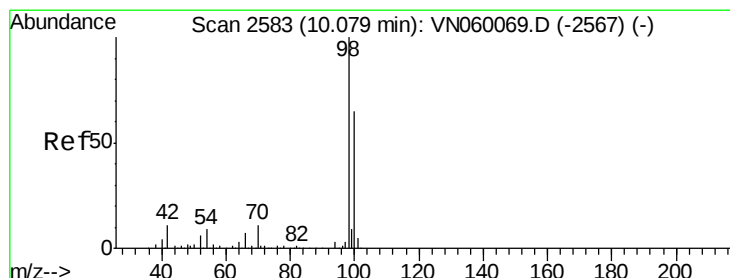
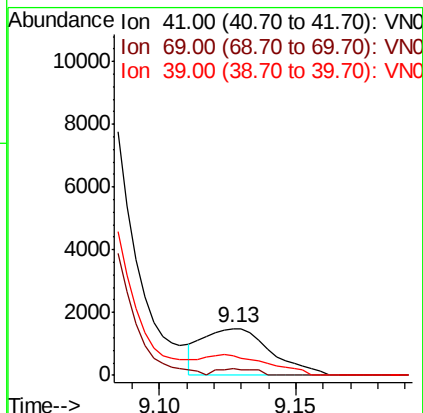
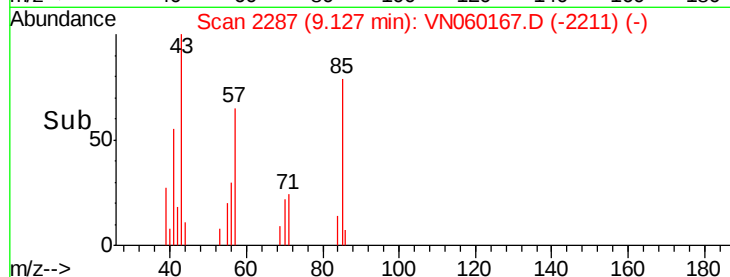
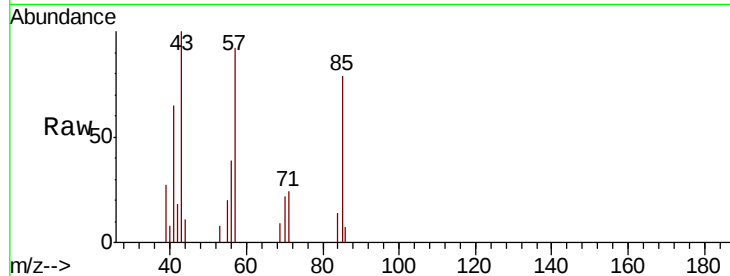




#48
Methyl methacrylate
Concen: 1.380 ug/l
RT: 9.13 min Scan# 2287
Delta R.T. -0.05 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

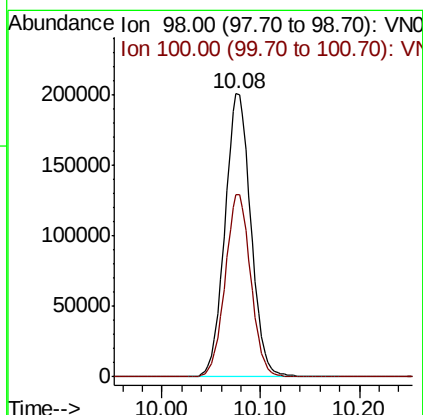
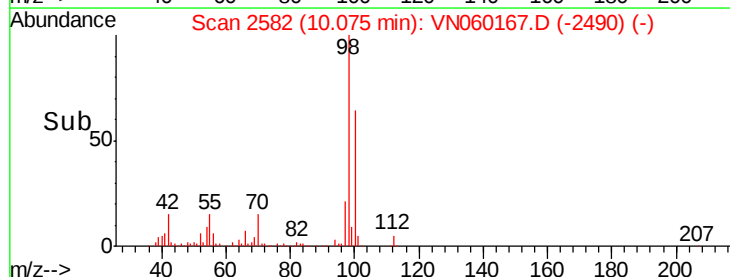
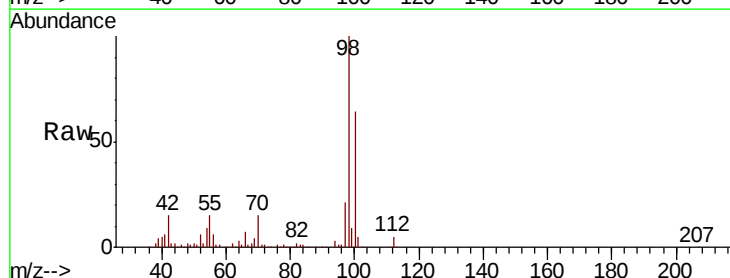
Instrument :
MSVOA_N
ClientSampled :

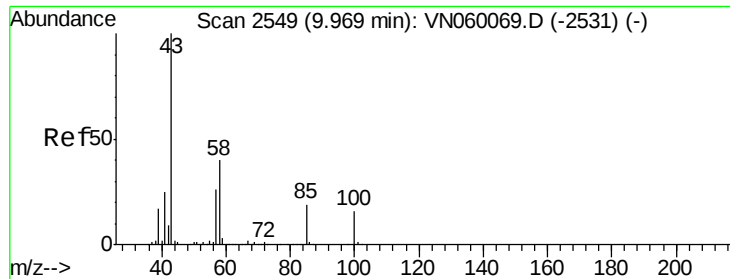
Tot Ion: 41 Resp: 2606
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 0.0 54.1 81.1#



#50
Toluene-d8
Concen: 51.943 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

Tgt Ion: 98 Resp: 369946
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 2.895 ug/l

RT: 10.07 min Scan# 2581

Delta R.T. 0.10 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

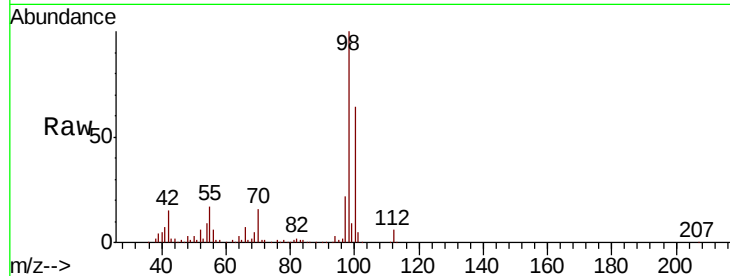
ClientSampled :

Tot Ion: 43 Resp: 7055

Ion Ratio Lower Upper

43 100

58 43.2 31.8 47.8

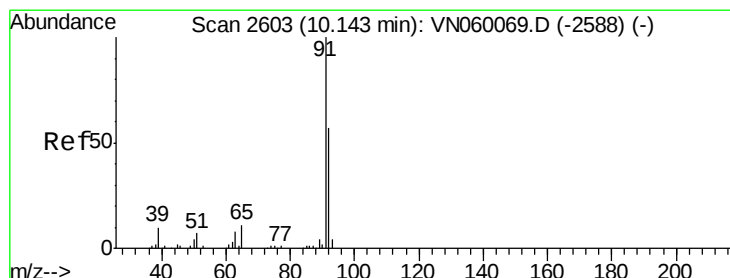
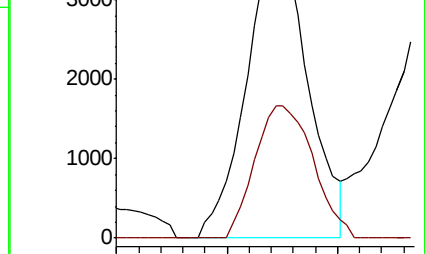
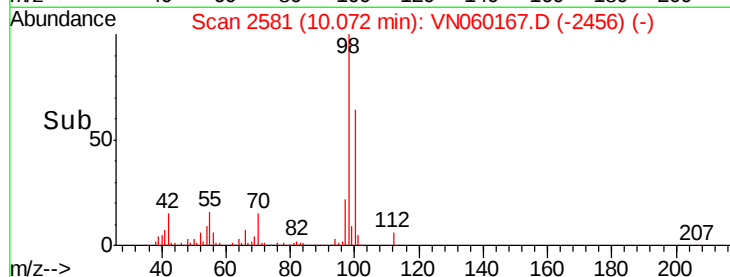


Abundance Ion 43.00 (42.70 to 43.70): VN060167.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060167.D (-2531) (-)

10.07

Time-->



#52

Toluene

Concen: 86.817 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060167.D

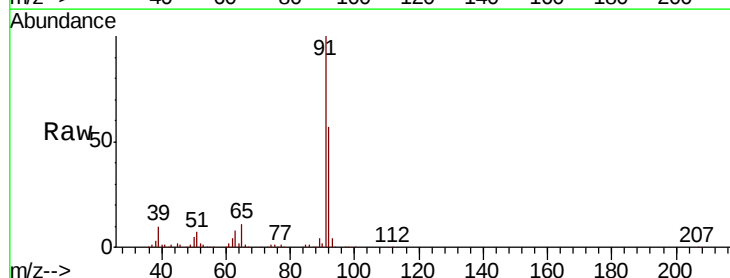
Acq: 20 Feb 2020 12:53

Tgt Ion: 92 Resp: 450056

Ion Ratio Lower Upper

92 100

91 173.7 140.9 211.3

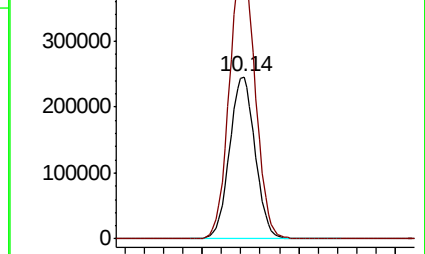
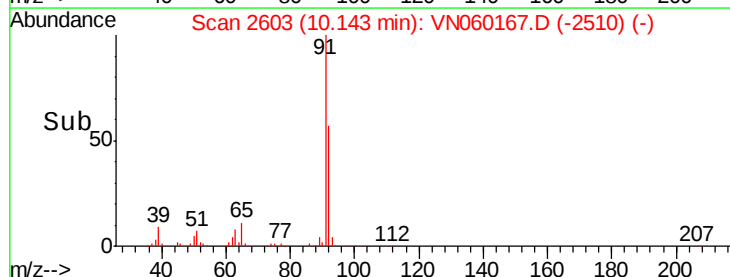


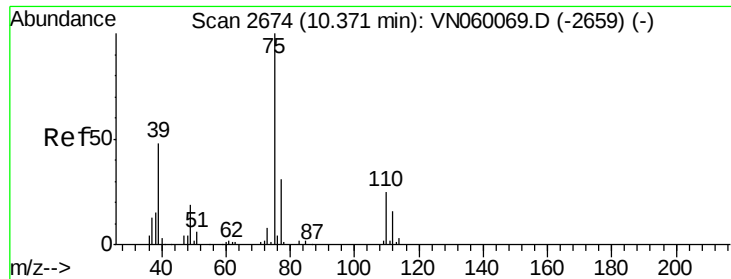
Abundance Ion 92.00 (91.70 to 92.70): VN060167.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060167.D (-2510) (-)

10.14

Time-->





#53

t-1,3-Dichloropropene

Concen: 1.721 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.23 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

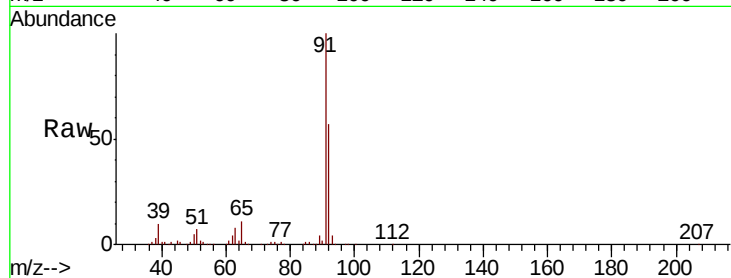
ClientSampled :

Tot Ion: 75 Resp: 5586

Ion Ratio Lower Upper

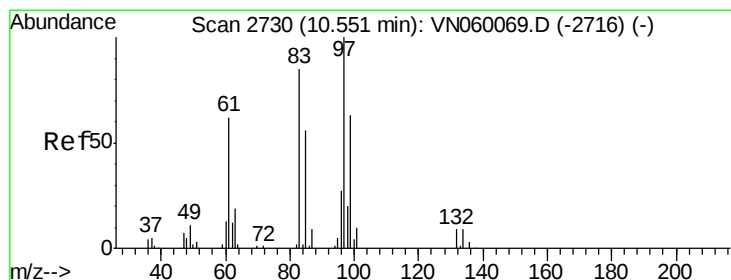
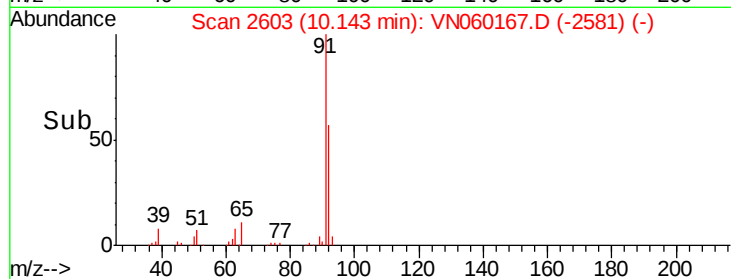
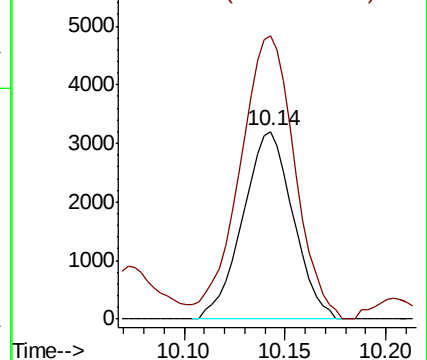
75 100

77 151.1 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060167.D (-2581) (-)

Ion 76.90 (76.60 to 77.60): VN060167.D (-2581) (-)



#55

1,1,2-Trichloroethane

Concen: 21.978 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. -0.03 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Tgt Ion: 97 Resp: 44449

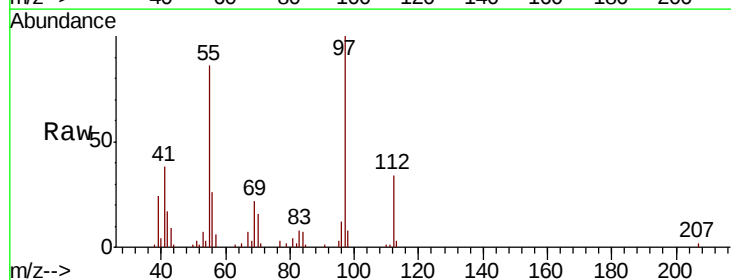
Ion Ratio Lower Upper

97 100

83 8.5 67.9 101.9#

85 1.2 44.6 67.0#

99 0.0 50.1 75.1#

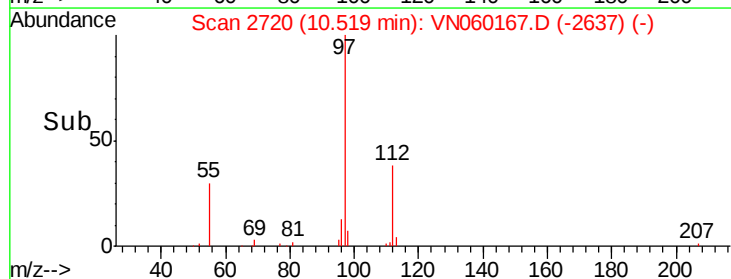
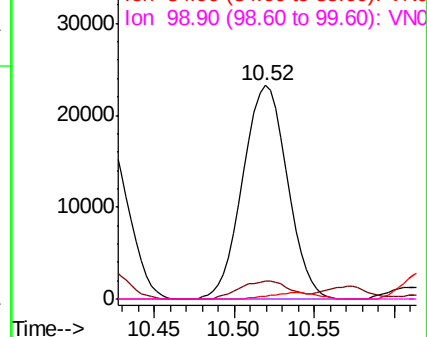


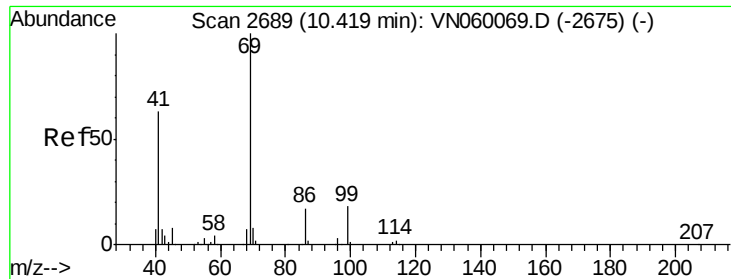
Abundance Ion 96.90 (96.60 to 97.60): VN060167.D (-2637) (-)

Ion 82.90 (82.60 to 83.60): VN060167.D (-2637) (-)

Ion 84.90 (84.60 to 85.60): VN060167.D (-2637) (-)

Ion 98.90 (98.60 to 99.60): VN060167.D (-2637) (-)





#56

Ethyl methacrylate

Concen: 3.329 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

ClientSampled :

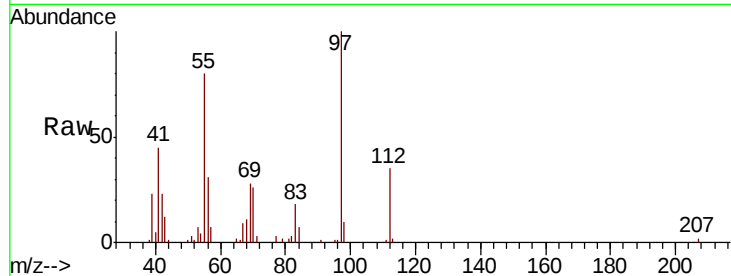
Tot Ion: 69 Resp: 9523

Ion Ratio Lower Upper

69 100

41 163.5 51.1 76.7#

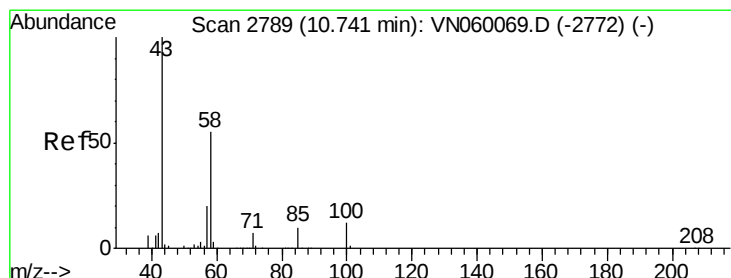
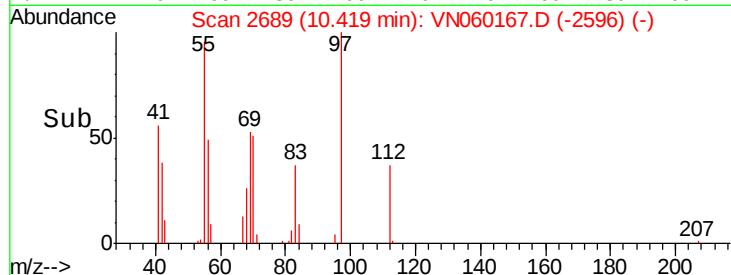
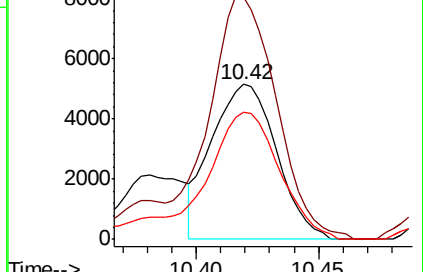
39 96.6 33.8 50.8#



Abundance Ion 69.00 (68.70 to 69.70): VN060069.D (-2675) (-)

Ion 41.00 (40.70 to 41.70): VN060069.D (-2675) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-2675) (-)



#59

2-Hexanone

Concen: 16.078 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.03 min

Lab File: VN060167.D

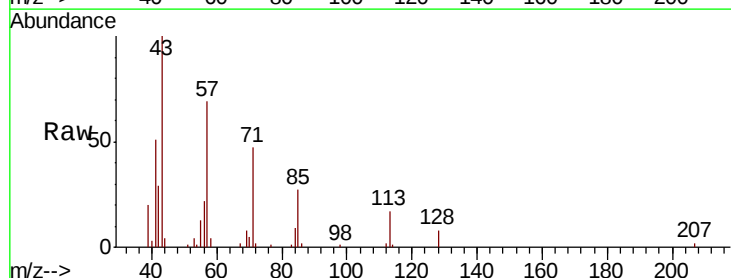
Acq: 20 Feb 2020 12:53

Tgt Ion: 43 Resp: 30266

Ion Ratio Lower Upper

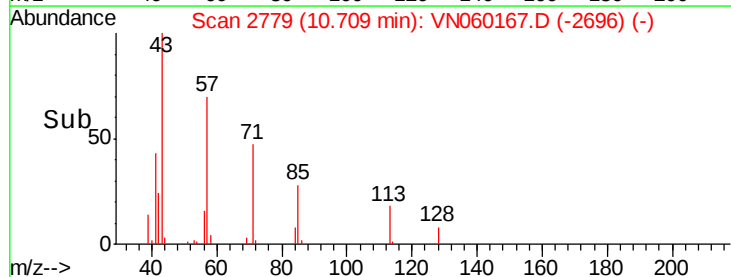
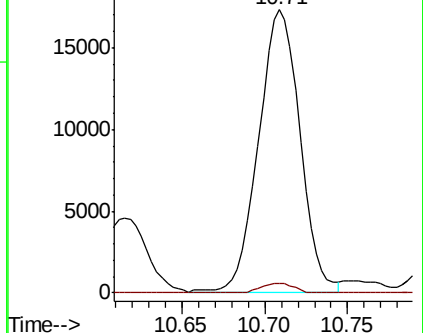
43 100

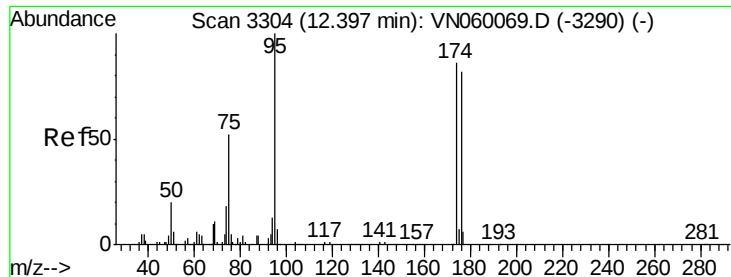
58 2.6 27.5 82.4#



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2772) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2772) (-)





#62

4-Bromofluorobenzene

Concen: 57.567 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060167.D

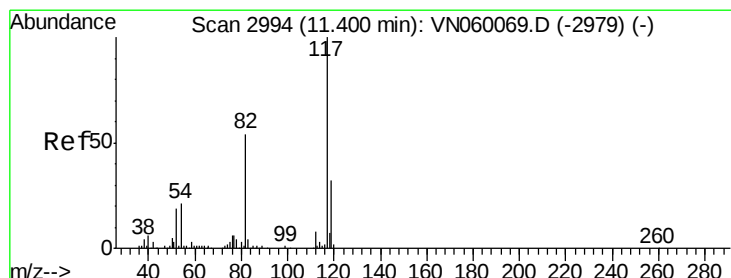
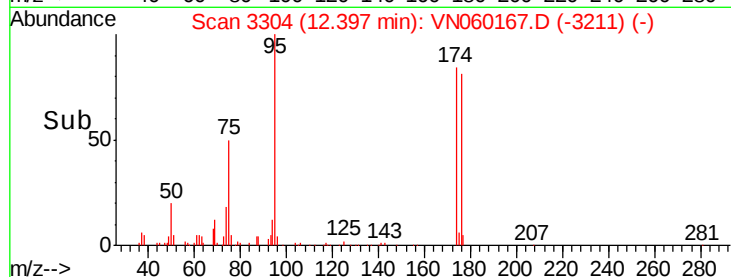
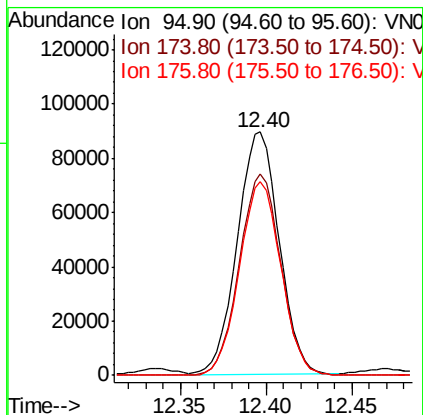
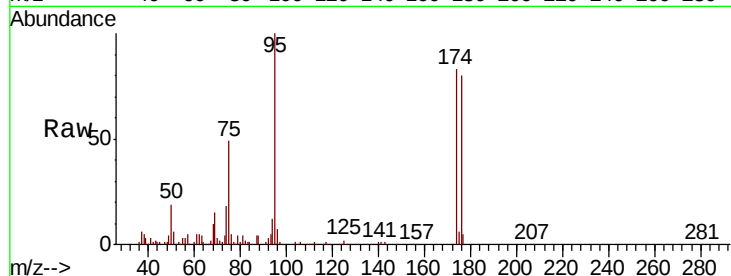
Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	95	Resp:	150656
Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	169.8
176	79.6	0.0	164.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

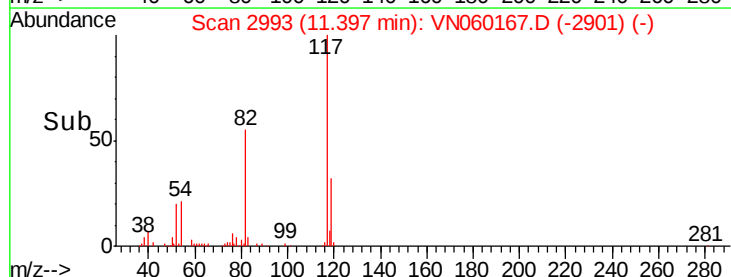
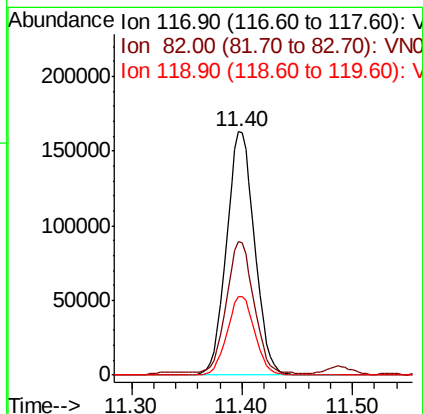
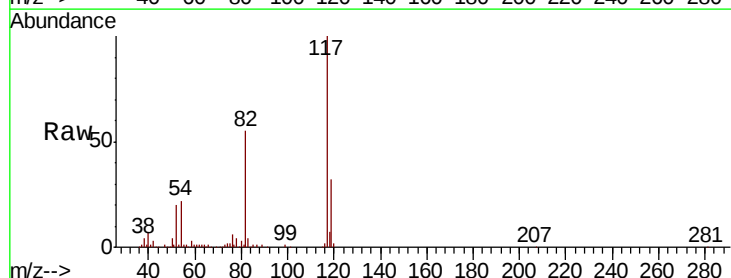
RT: 11.40 min Scan# 2993

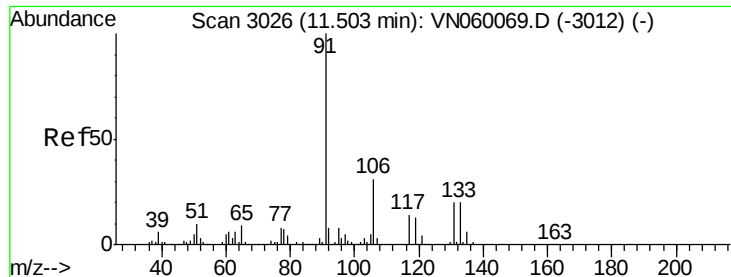
Delta R.T. -0.00 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Tgt Ion:	117	Resp:	286756
Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.4	65.0
119	32.2	25.8	38.6





#67

Ethyl Benzene

Concen: 77.411 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

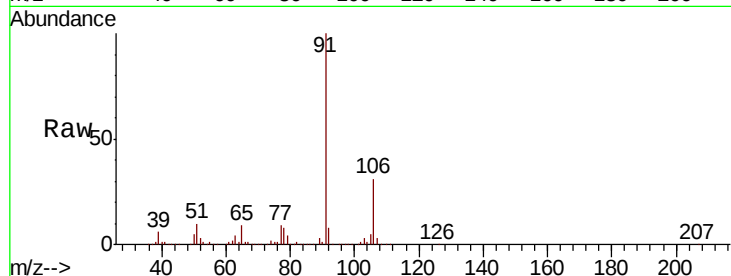
ClientSampled :

Tot Ion: 91 Resp: 815670

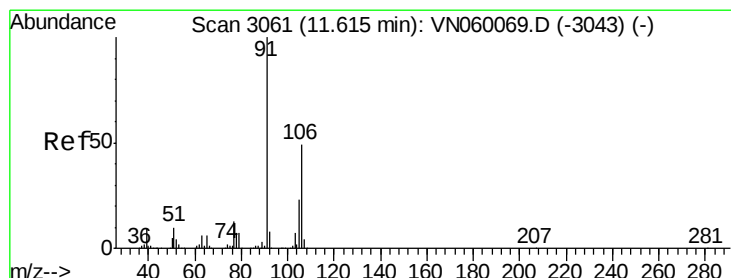
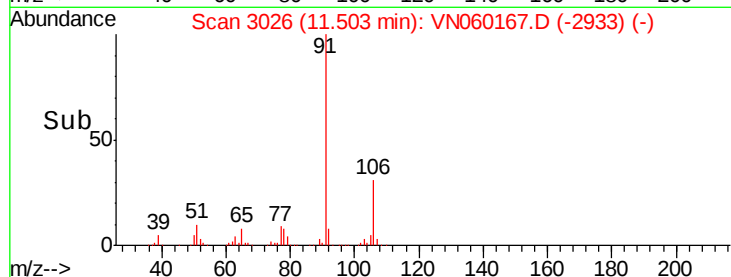
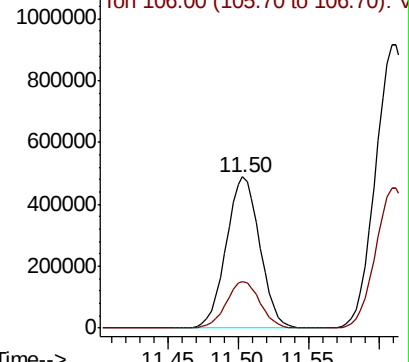
Ion Ratio Lower Upper

91 100

106 31.2 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN060167.D (-2933) (-)



#68

m/p-Xylenes

Concen: 211.724 ug/l

RT: 11.61 min Scan# 3059

Delta R.T. -0.01 min

Lab File: VN060167.D

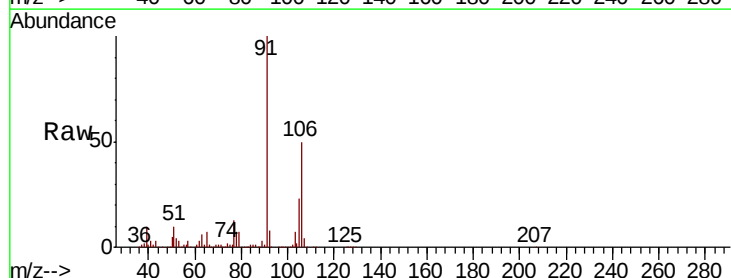
Acq: 20 Feb 2020 12:53

Tgt Ion: 106 Resp: 837296

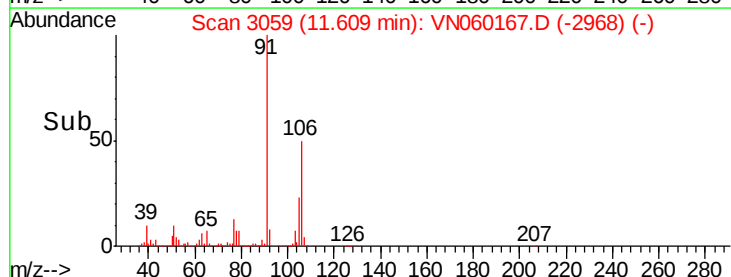
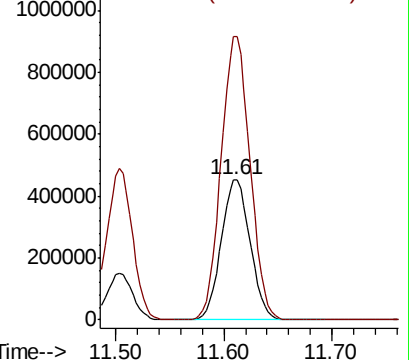
Ion Ratio Lower Upper

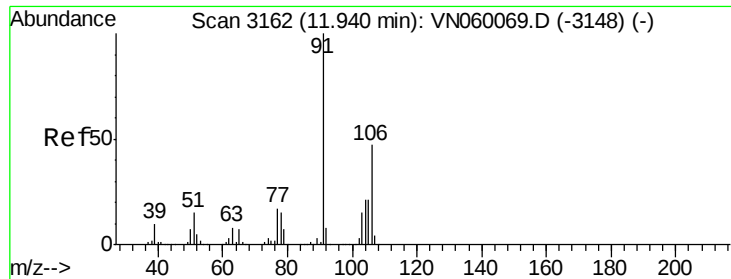
106 100

91 203.0 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060167.D (-2968) (-)

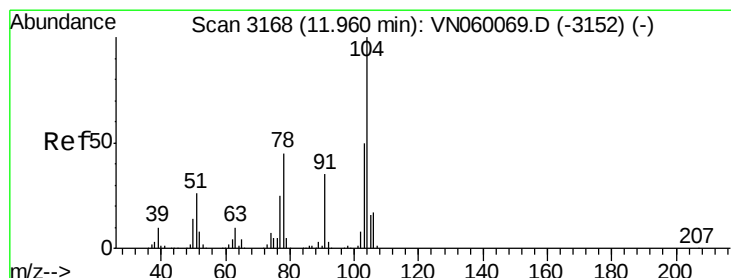
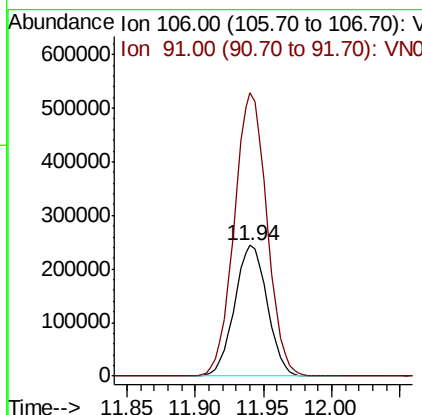
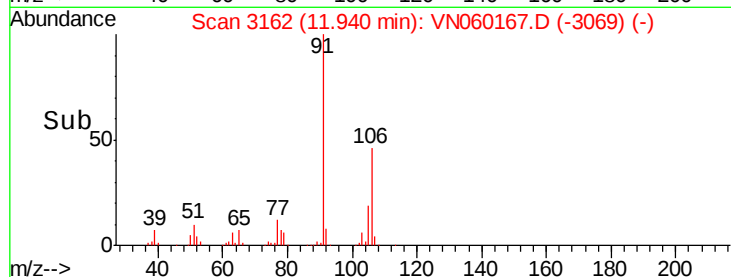
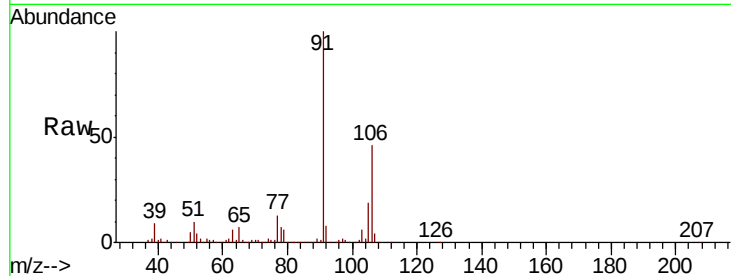




#69
o-Xylene
Concen: 106.689 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

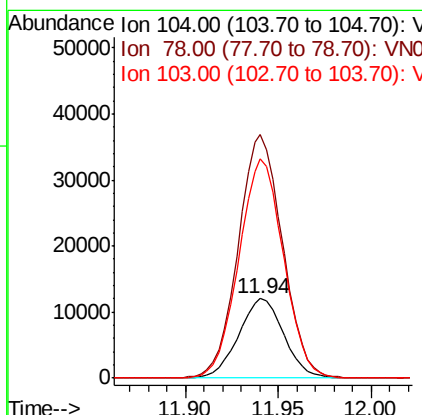
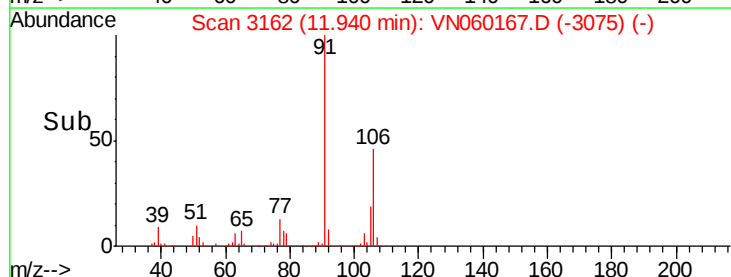
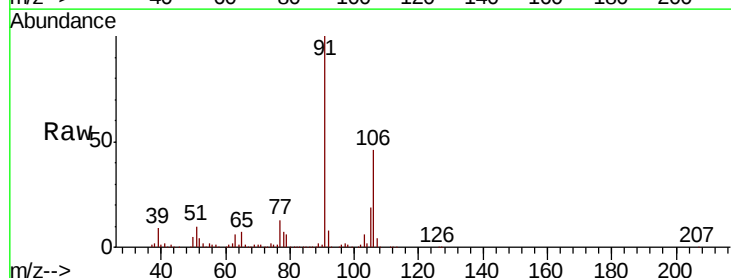
Instrument :
MSVOA_N
ClientSampled :

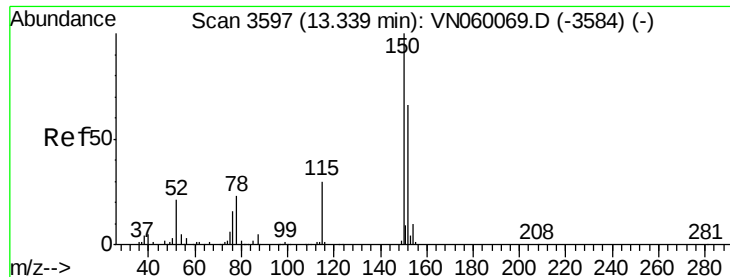
Tot Ion:106 Resp: 406239
Ion Ratio Lower Upper
106 100
91 216.1 107.2 321.6



#70
Styrene
Concen: 3.316 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.02 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

Tgt Ion:104 Resp: 20358
Ion Ratio Lower Upper
104 100
78 300.8 40.2 60.2#
103 272.9 44.3 66.5#



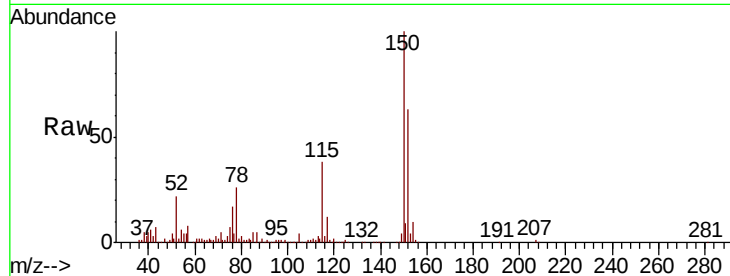


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	71.5	28.9	86.8
150	156.5	0.0	342.4

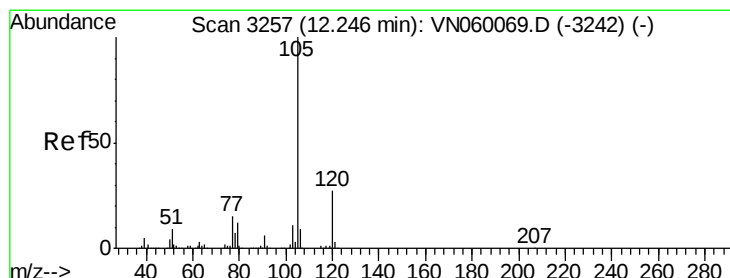
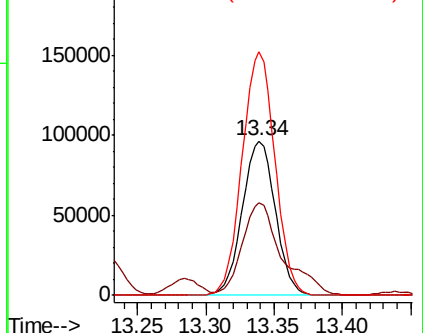
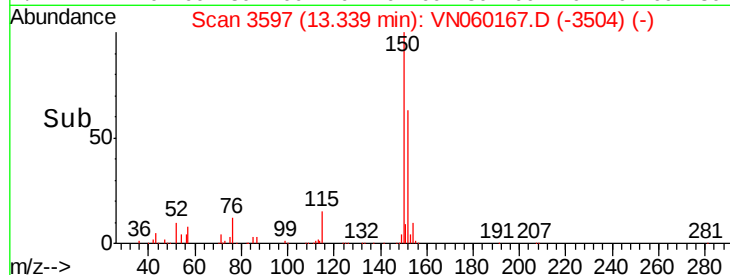


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

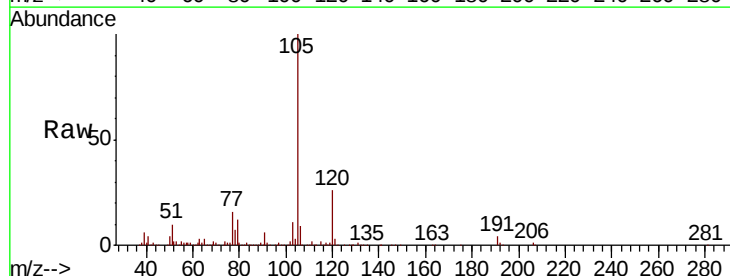
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 34.613 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

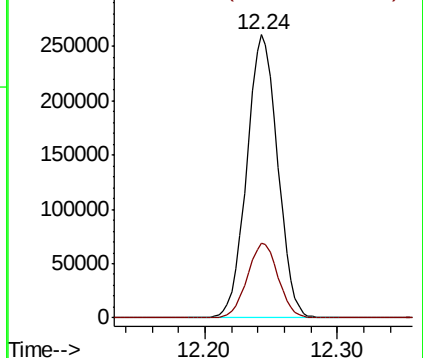
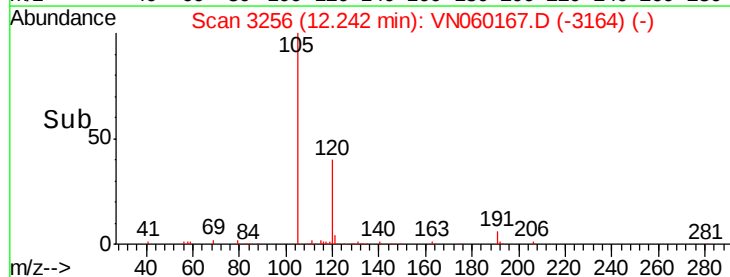
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8

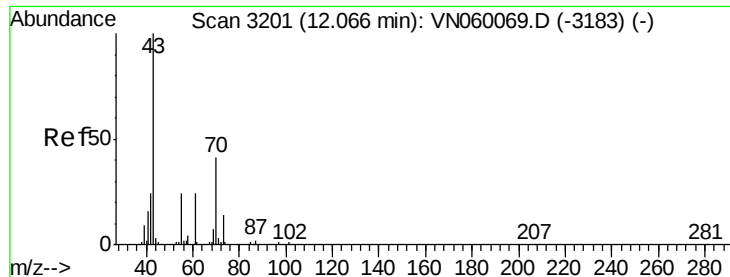


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 5.657 ug/l

RT: 12.04 min Scan# 3193

Delta R.T. -0.03 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 24705

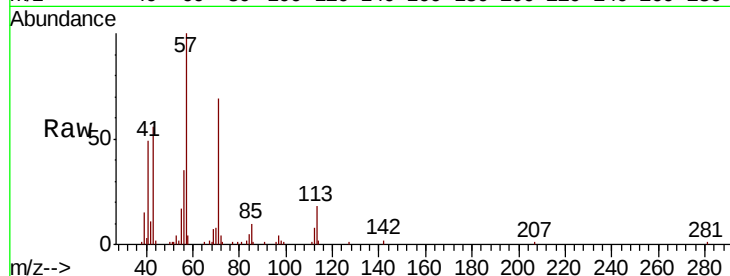
Ion Ratio Lower Upper

43 100

70 11.7 33.4 50.0#

55 12.9 18.8 28.2#

61 0.0 19.2 28.8#



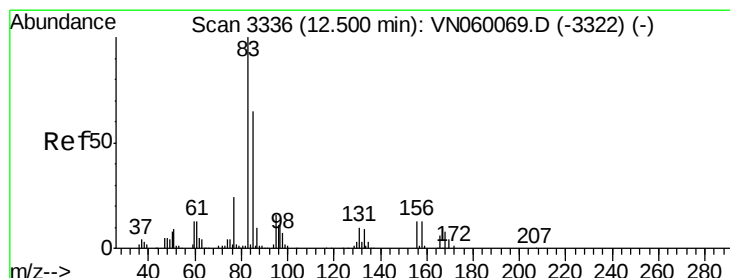
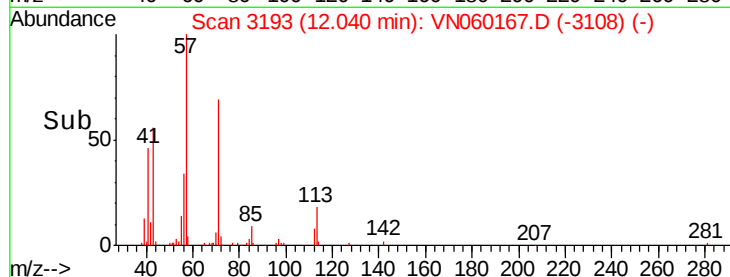
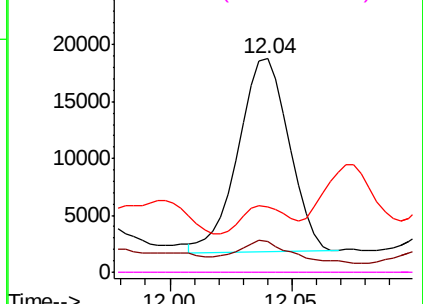
Abundance

Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#75

1,1,2,2-Tetrachloroethane

Concen: 1.883 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.05 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

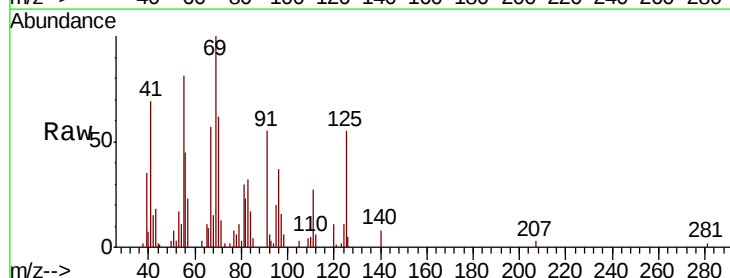
Tgt Ion: 83 Resp: 6563

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 0.0 32.3 96.9#

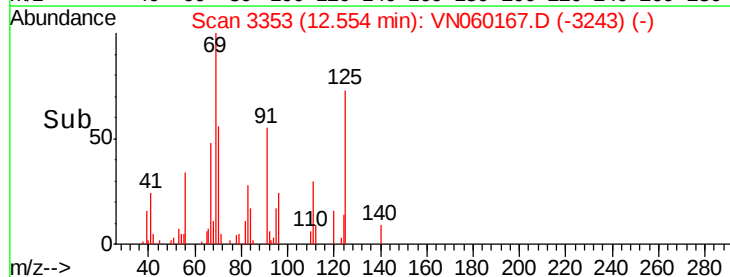
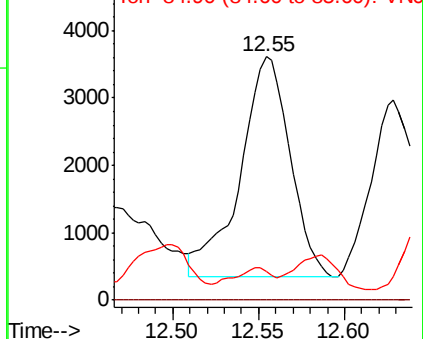


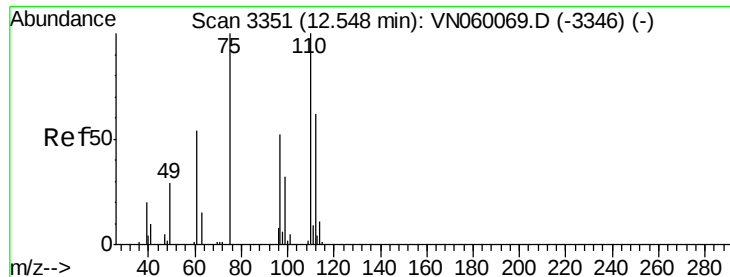
Abundance

Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 1.505 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.04 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

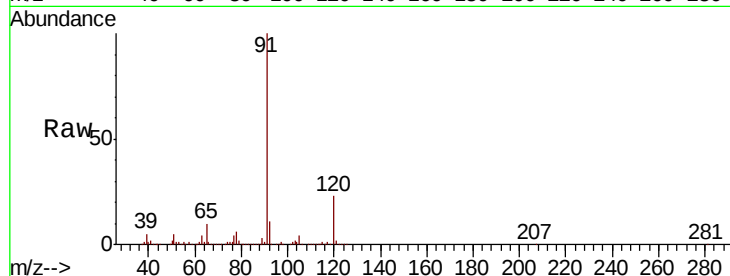
ClientSampled :

Tot Ion: 75 Resp: 4671

Ion Ratio Lower Upper

75 100

77 594.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060167.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060167.D (-3346) (-)

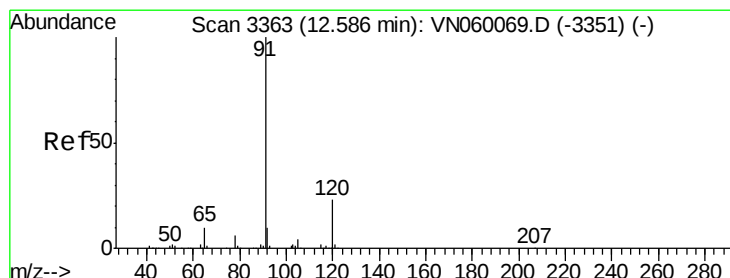
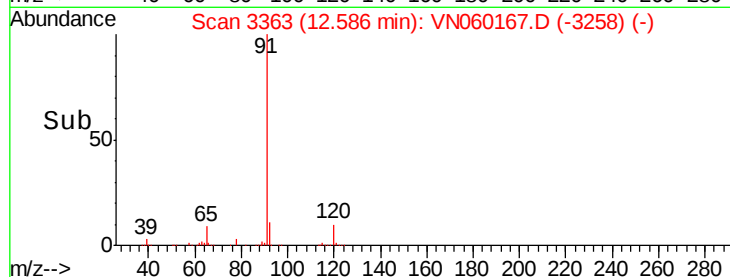
100000

50000

0

12.59

Time--> 12.50 12.55 12.60



#78

n-propylbenzene

Concen: 52.174 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060167.D

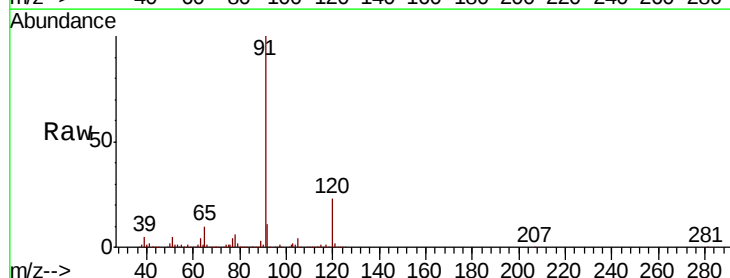
Acq: 20 Feb 2020 12:53

Tgt Ion: 91 Resp: 719862

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN060167.D (-3351) (-)

Ion 120.00 (119.70 to 120.70): VN060167.D (-3351) (-)

500000

400000

300000

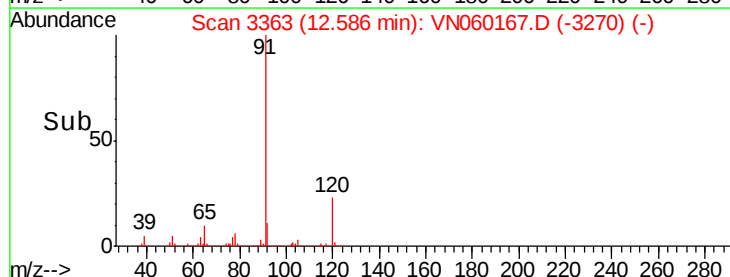
200000

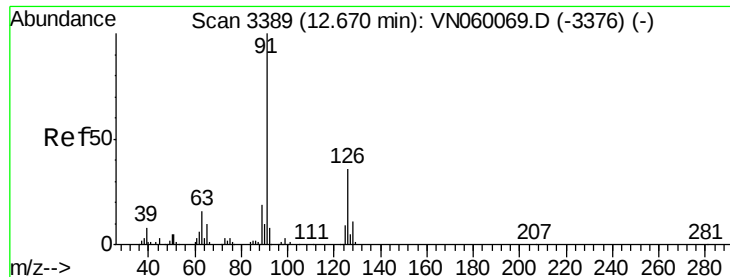
100000

0

12.59

Time--> 12.50 12.55 12.60 12.65





#79

2-Chlorotoluene

Concen: 23.154 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.02 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

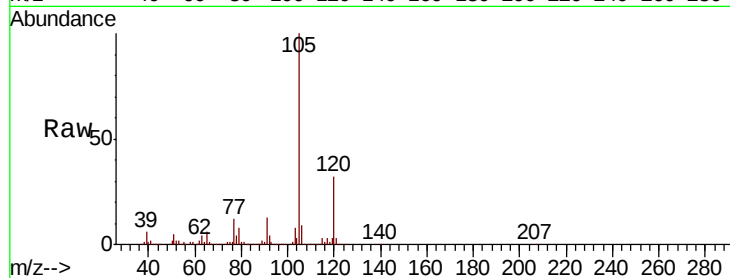
ClientSampled :

Tot Ion: 91 Resp: 187777

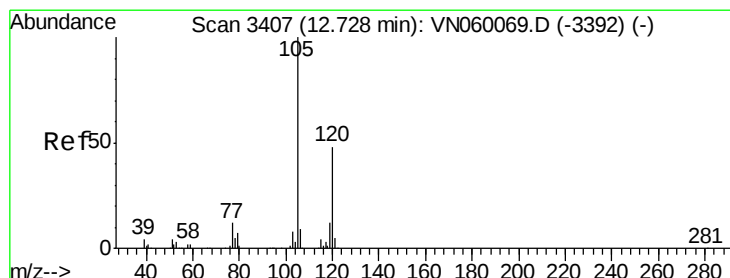
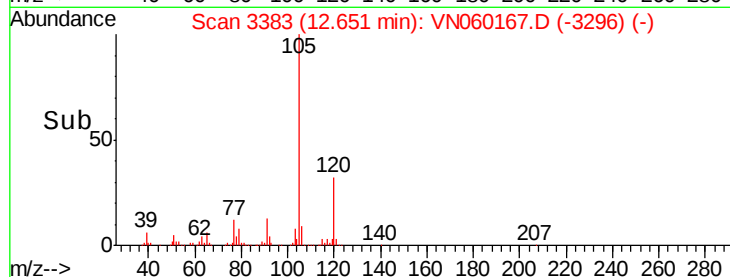
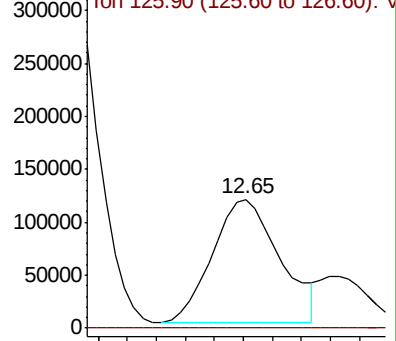
Ion Ratio Lower Upper

91 100

126 0.1 17.4 52.2#



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 35.026 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060167.D

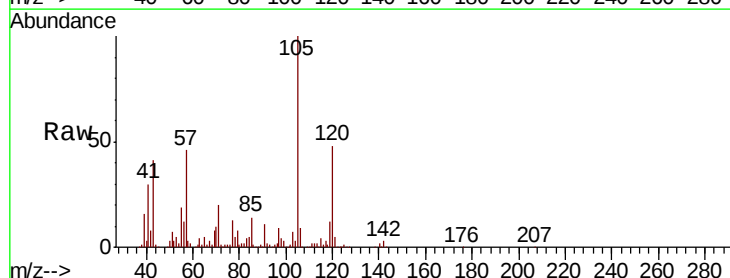
Acq: 20 Feb 2020 12:53

Tgt Ion: 105 Resp: 352679

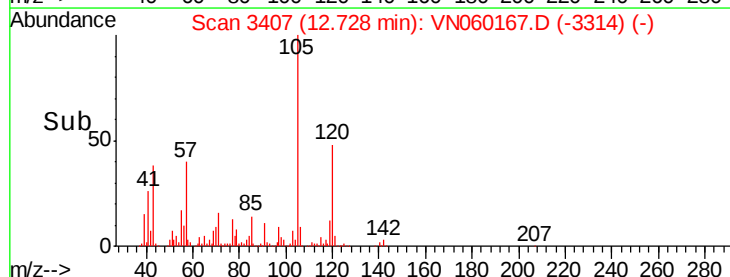
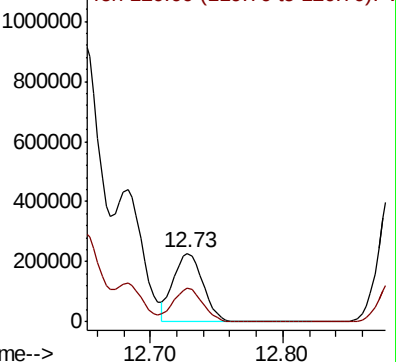
Ion Ratio Lower Upper

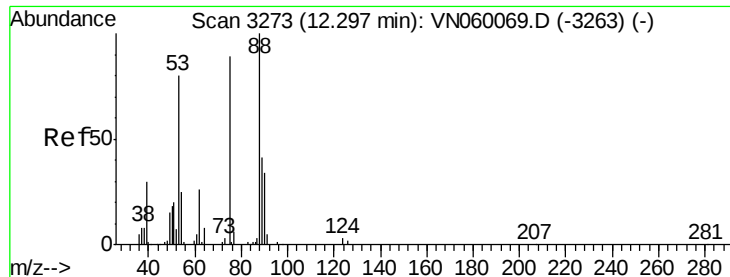
105 100

120 49.5 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 3.795 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.05 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

ClientSampled :

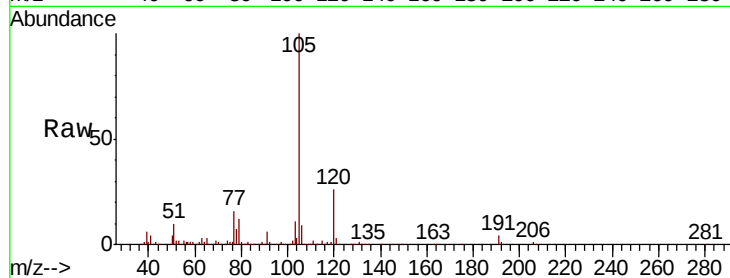
Tot Ion: 75 Resp: 4809

Ion Ratio Lower Upper

75 100

53 99.8 73.9 110.9

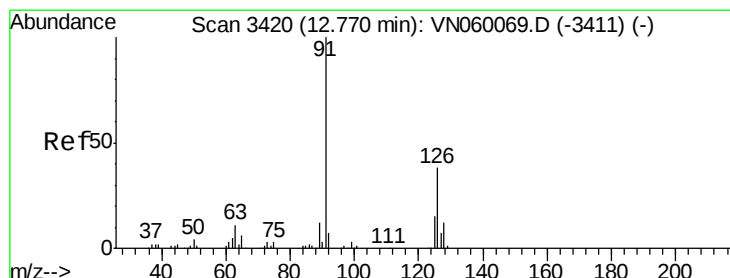
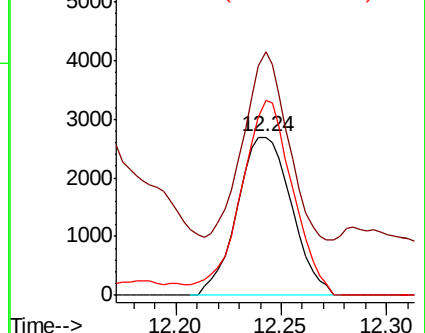
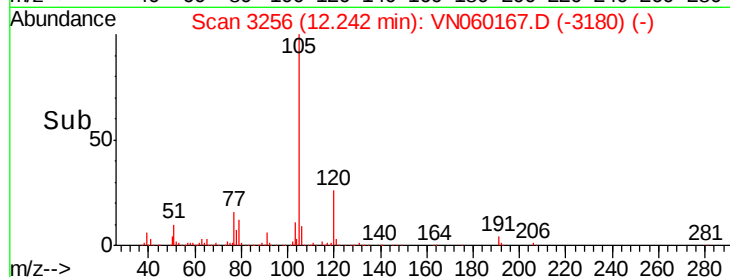
89 118.8 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060167.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN060167.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN060167.D (-3180) (-)



#82

4-Chlorotoluene

Concen: 4.622 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.04 min

Lab File: VN060167.D

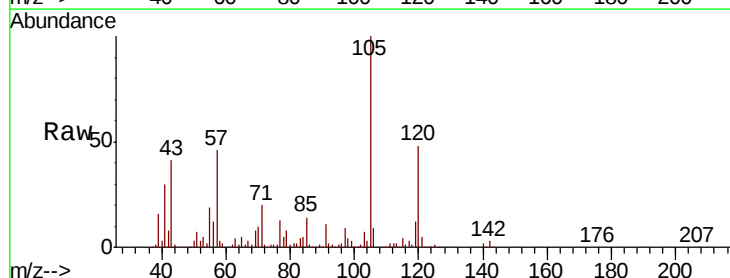
Acq: 20 Feb 2020 12:53

Tgt Ion: 91 Resp: 38458

Ion Ratio Lower Upper

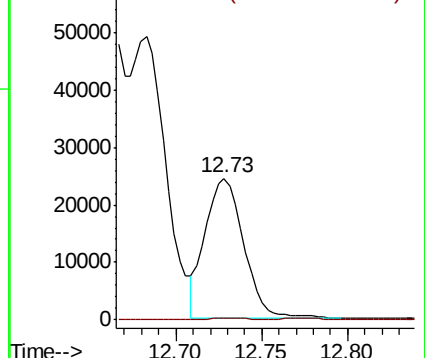
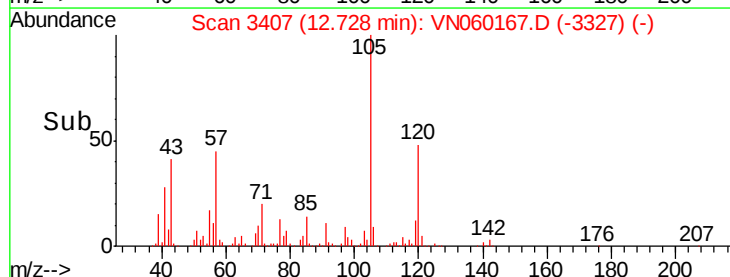
91 100

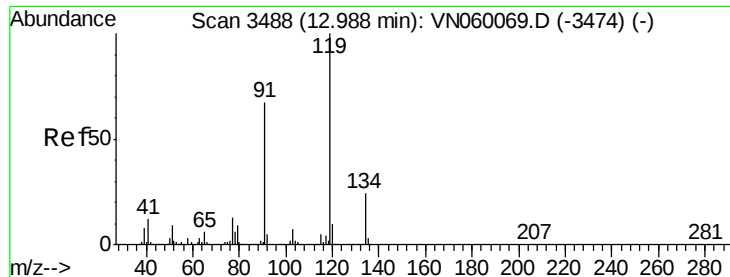
126 1.2 17.1 51.3#



Abundance Ion 91.00 (90.70 to 91.70): VN060167.D (-3327) (-)

Ion 125.90 (125.60 to 126.60): VN060167.D (-3327) (-)





#83

tert-Butylbenzene

Concen: 20.608 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. 0.05 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

ClientSampleId :

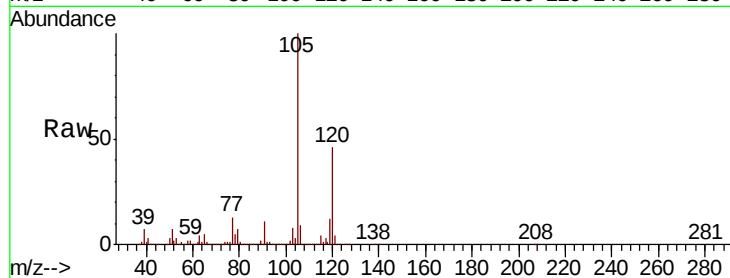
Tot Ion:119 Resp: 183563

Ion Ratio Lower Upper

119 100

91 84.8 32.7 98.1

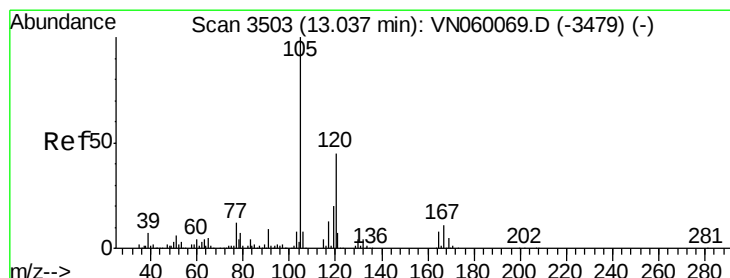
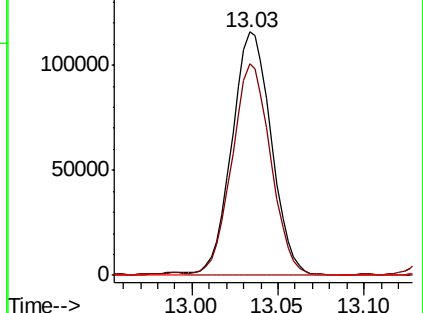
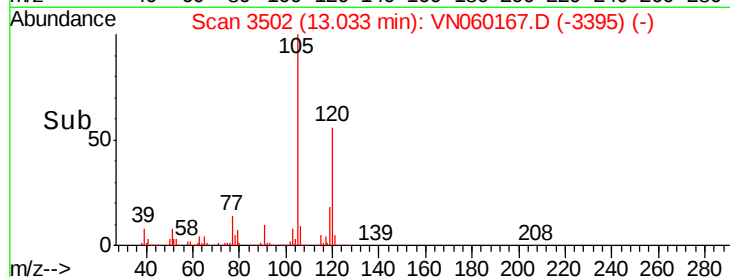
134 0.0 12.9 38.7#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 150.403 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN060167.D

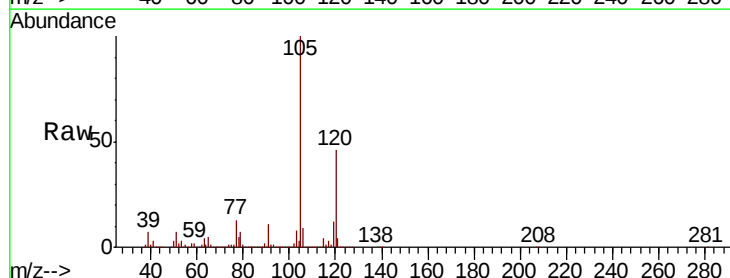
Acq: 20 Feb 2020 12:53

Tgt Ion:105 Resp: 1494921

Ion Ratio Lower Upper

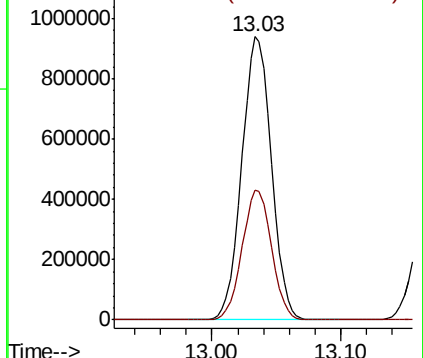
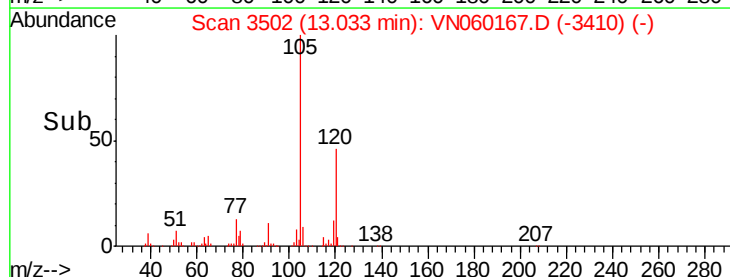
105 100

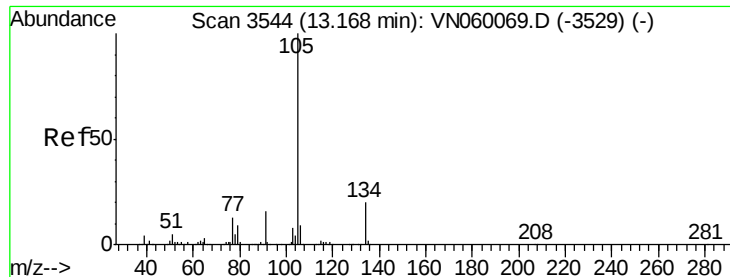
120 45.7 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

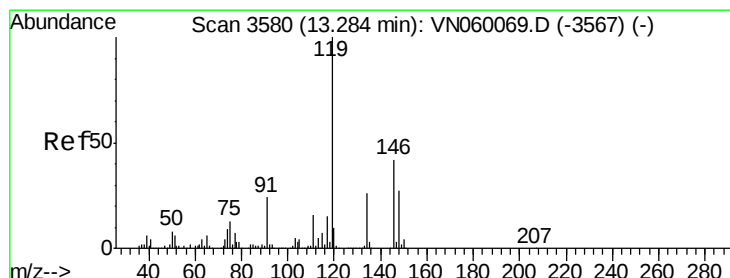
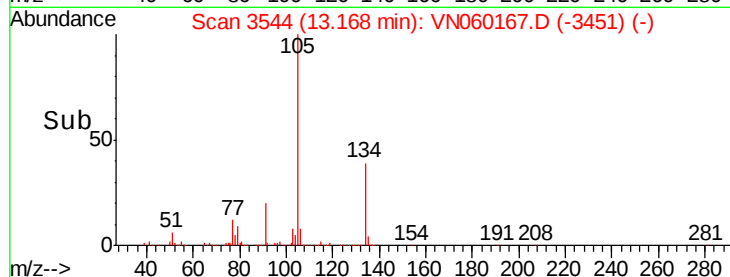
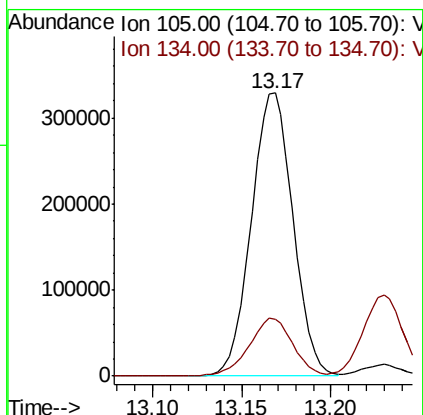
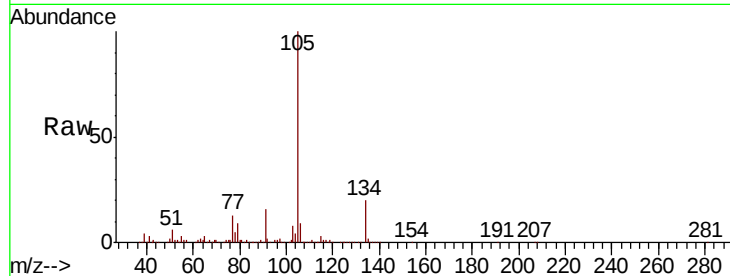




#85
 sec-Butylbenzene
 Concen: 45.385 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060167.D
 Acq: 20 Feb 2020 12:53

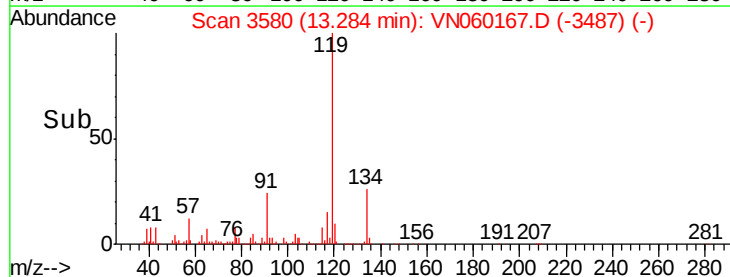
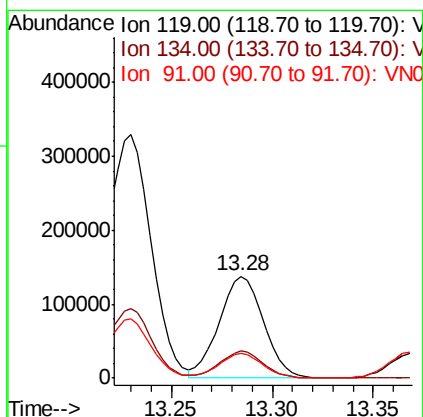
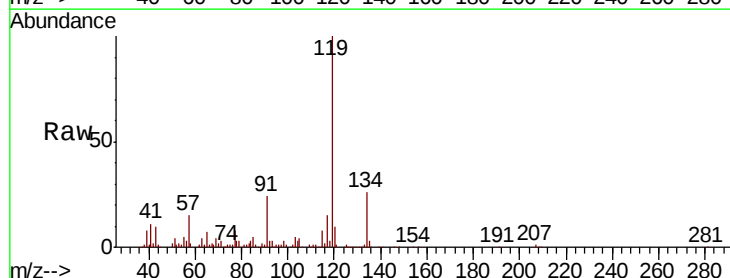
Instrument :
 MSVOA_N
 ClientSampled :

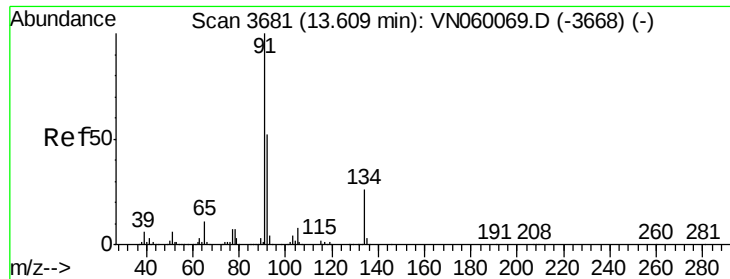
Tot Ion:105 Resp: 535374
 Ion Ratio Lower Upper
 105 100
 134 21.5 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 19.724 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060167.D
 Acq: 20 Feb 2020 12:53

Tgt Ion:119 Resp: 210810
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.3 39.8
 91 23.4 11.9 35.9

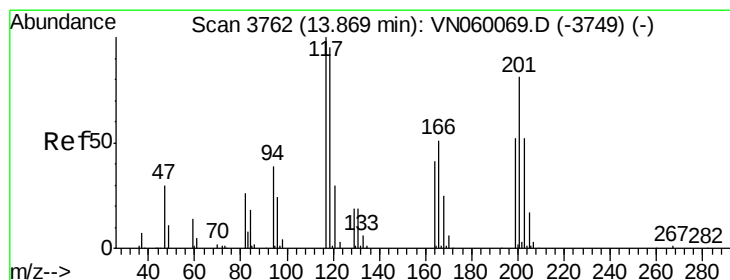
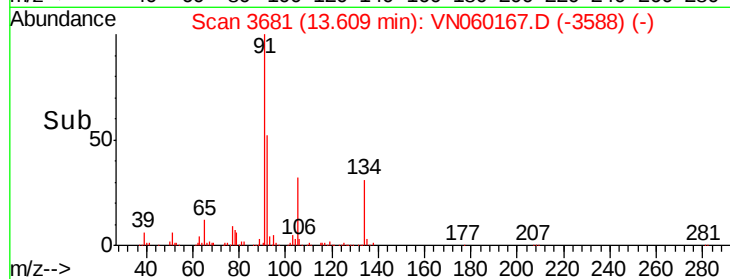
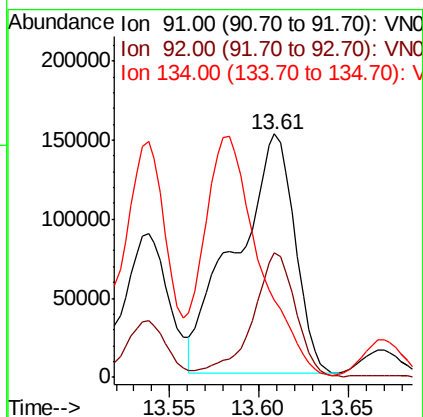
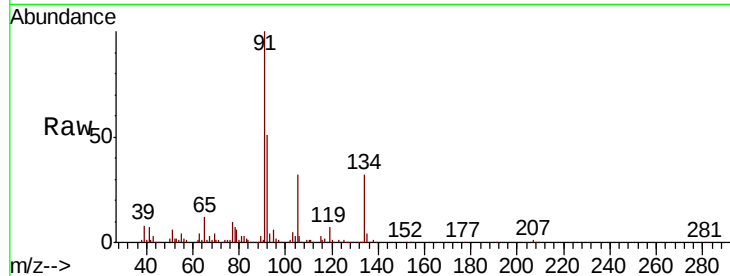




#89
n-Butylbenzene
Concen: 36.954 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

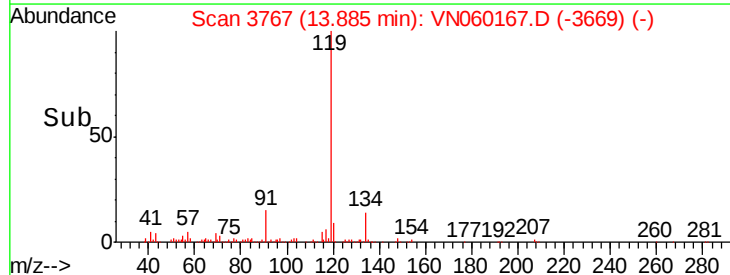
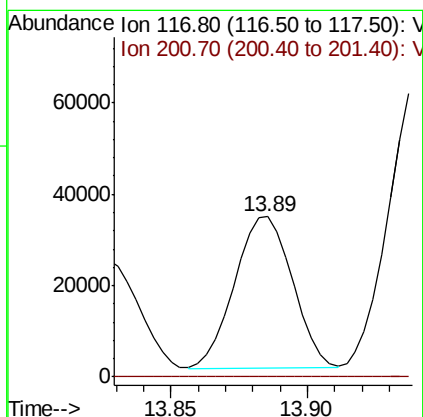
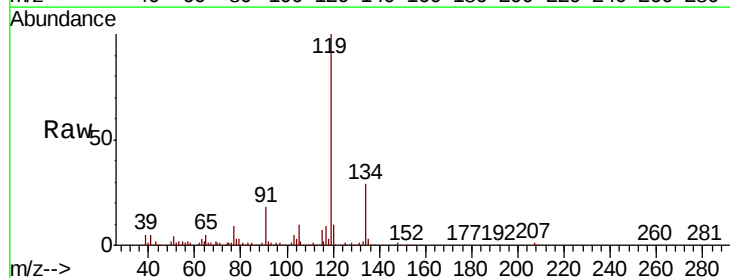
Instrument :
MSVOA_N
ClientSampled :

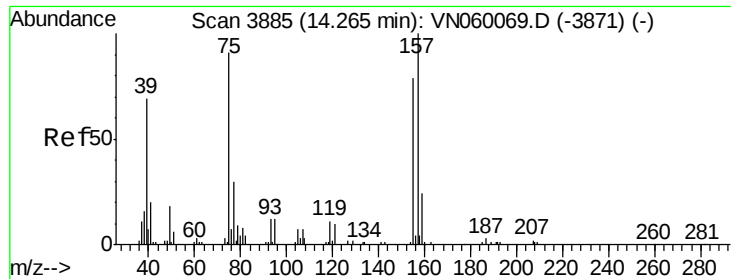
Tot Ion: 91 Resp: 347389
Ion Ratio Lower Upper
91 100
92 38.1 26.1 78.2
134 0.0 13.1 39.3#



#90
Hexachloroethane
Concen: 24.354 ug/l
RT: 13.89 min Scan# 3767
Delta R.T. 0.02 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

Tgt Ion: 117 Resp: 48628
Ion Ratio Lower Upper
117 100
201 0.0 41.7 125.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.277 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

ClientSampleId :

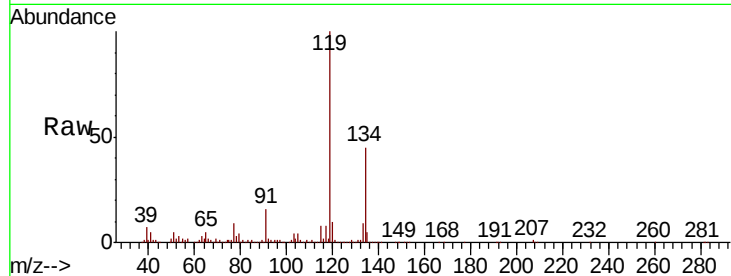
Tot Ion: 75 Resp: 2963

Ion Ratio Lower Upper

75 100

155 13.9 43.0 129.0#

157 0.0 54.9 164.5#

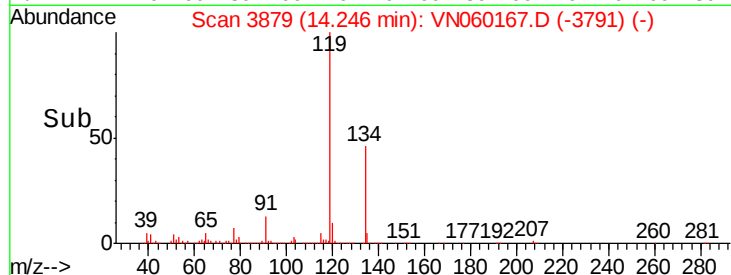


Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3871) (-)

Ion 154.80 (154.50 to 155.50): VN060069.D (-3871) (-)

Ion 156.80 (156.50 to 157.50): VN060069.D (-3871) (-)

Time-->

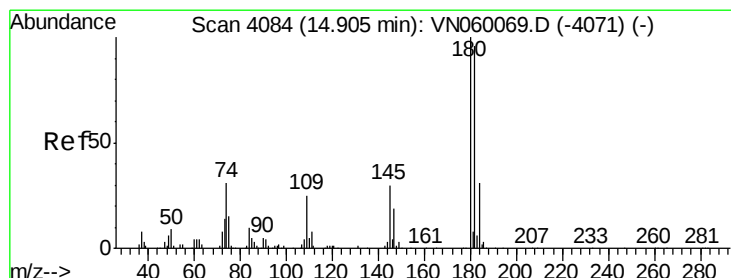


Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3871) (-)

Ion 154.80 (154.50 to 155.50): VN060069.D (-3871) (-)

Ion 156.80 (156.50 to 157.50): VN060069.D (-3871) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.593 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

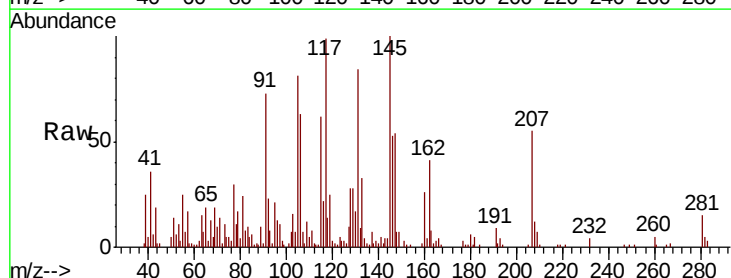
Tgt Ion: 180 Resp: 1814

Ion Ratio Lower Upper

180 100

182 106.6 47.9 143.8

145 0.0 15.2 45.5#

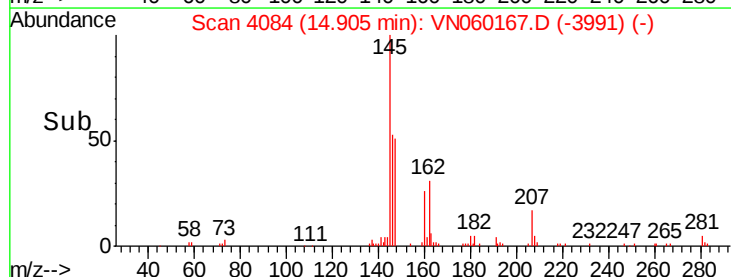


Abundance Ion 179.80 (179.50 to 180.50): VN060069.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN060069.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN060069.D (-4071) (-)

Time-->

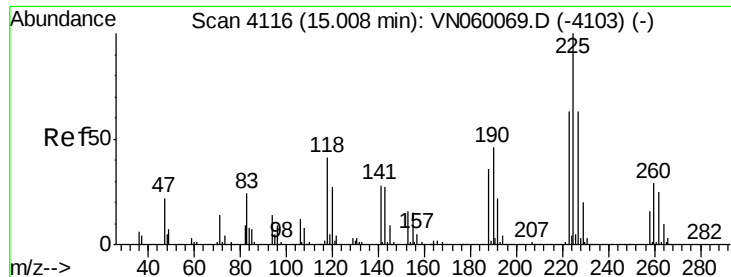


Abundance Ion 179.80 (179.50 to 180.50): VN060069.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN060069.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN060069.D (-4071) (-)

Time-->



#94

Hexachlorobutadiene

Concen: 0.213 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

ClientSampleId :

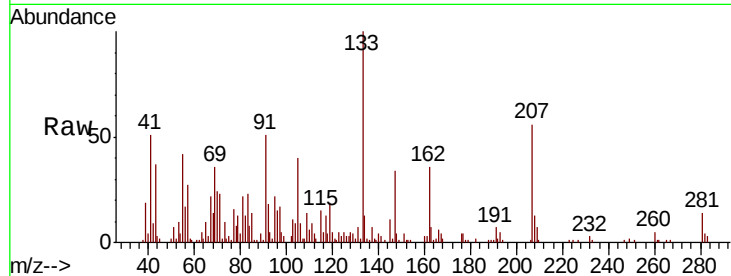
Tot Ion:225 Resp: 382

Ion Ratio Lower Upper

225 100

223 61.3 31.5 94.5

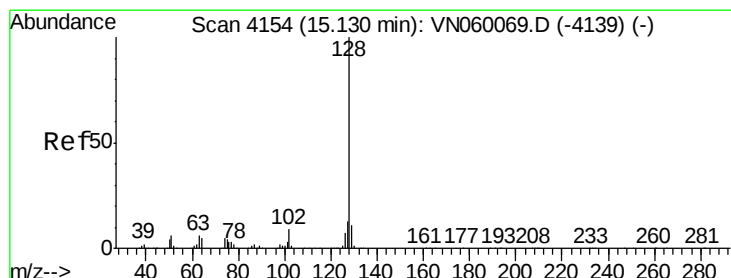
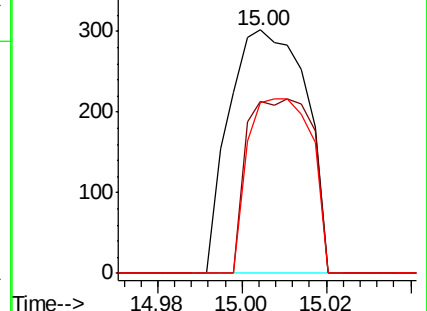
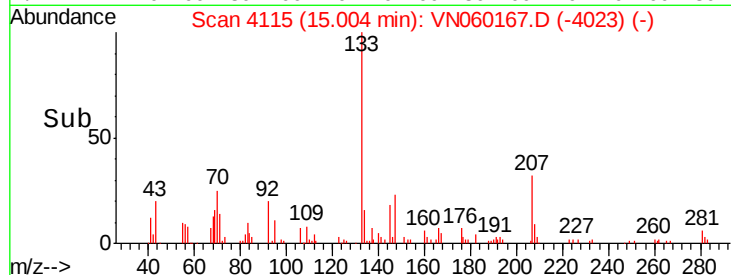
227 58.9 31.8 95.4



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: 41.245 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

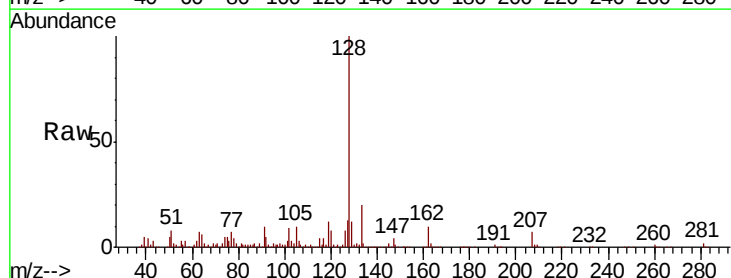
Tgt Ion:128 Resp: 340821

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

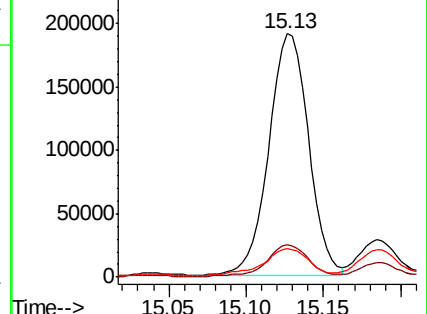
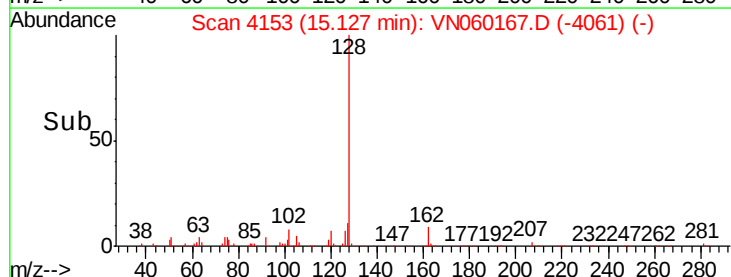
129 12.8 8.6 13.0

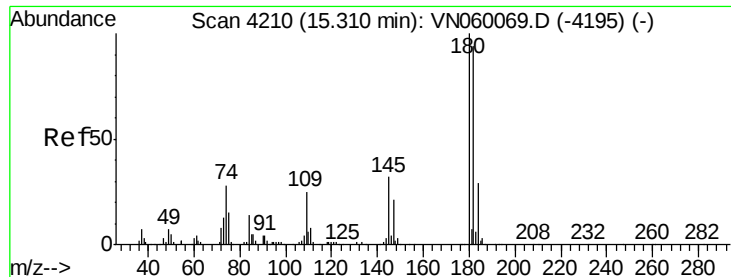


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.661 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060167.D
 Acq: 20 Feb 2020 12:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 2015
 Ion Ratio Lower Upper
 180 100
 182 116.1 47.5 142.5
 145 2868.2 16.1 48.3#

