

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050432.D
 Acq On : 7 Aug 2018 15:26
 Operator : MD\SY
 Sample : J4297-02
 Misc : 6.13g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2ME

Quant Time: Aug 08 05:24:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	799354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1216349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1101847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	599542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	475649	44.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.08%	
35) Dibromofluoromethane	7.59	113	431862	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	
50) Toluene-d8	10.09	98	1743050	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
62) 4-Bromofluorobenzene	12.40	95	601863	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	

Target Compounds

						Qvalue
3) Chloromethane	2.05	50	10831	Below Cal		99
5) Bromomethane	2.51	94	11337	2.20 ug/l		86
10) Methyl Iodide	3.93	142	9707	2.40 ug/l #		93
11) Tert butyl alcohol	4.75	59	4680	5.45 ug/l #		72
13) Acrolein	3.61	56	288	15.27 ug/l #		27
18) Methyl Acetate	4.33	43	13851	1.49 ug/l #		71
20) Methylene Chloride	4.55	84	3731	Below Cal #		88
29) Tetrahydrofuran	7.22	42	909	0.32 ug/l #		72
31) Cyclohexane	7.67	56	16232	0.44 ug/l #		1
36) 1,1-Dichloropropene	7.66	75	52616	3.94 ug/l #		48
38) Carbon Tetrachloride	7.66	117	72270	5.18 ug/l #		16
39) Methylcyclohexane	9.08	83	39808	2.73 ug/l		98
51) 4-Methyl-2-Pentanone	10.09	43	13973	1.17 ug/l #		1
52) Toluene	10.16	92	21543	0.87 ug/l		90
55) 1,1,2-Trichloroethane	10.53	97	23202	2.41 ug/l #		23
56) Ethyl methacrylate	10.44	69	10685	2.47 ug/l #		55
58) 2-Chloroethyl Vinyl ether	9.70	63	57	7.40 ug/l #		48
59) 2-Hexanone	10.72	43	83758	10.03 ug/l #		28
60) Dibromochloromethane	10.87	129	2636	0.25 ug/l		59
67) Ethyl Benzene	11.51	91	313092	7.01 ug/l		99
68) m/p-Xylenes	11.62	106	211923	12.47 ug/l		88
69) o-Xylene	11.95	106	170867	10.43 ug/l		99
70) Styrene	11.95	104	14947	0.56 ug/l #		1
71) Bromoform	12.17	173	2382	0.32 ug/l #		29
73) Isopropylbenzene	12.25	105	153173	3.40 ug/l		97
74) N-amyl acetate	12.05	43	155834	10.68 ug/l #		56
75) 1,1,2,2-Tetrachloroethane	12.45	83	10878	0.84 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	277655	25.59 ug/l #		100
77) Bromobenzene	12.54	156	83908	6.96 ug/l #		1
78) n-propylbenzene	12.59	91	454556	8.92 ug/l		99
79) 2-Chlorotoluene	12.66	91	107337	3.41 ug/l #		40
80) 1,3,5-Trimethylbenzene	12.73	105	774462	21.20 ug/l		99
81) trans-1,4-Dichloro-2-buten	12.40	75	277655	89.89 ug/l #		13
82) 4-Chlorotoluene	12.73	91	80156	2.55 ug/l #		55

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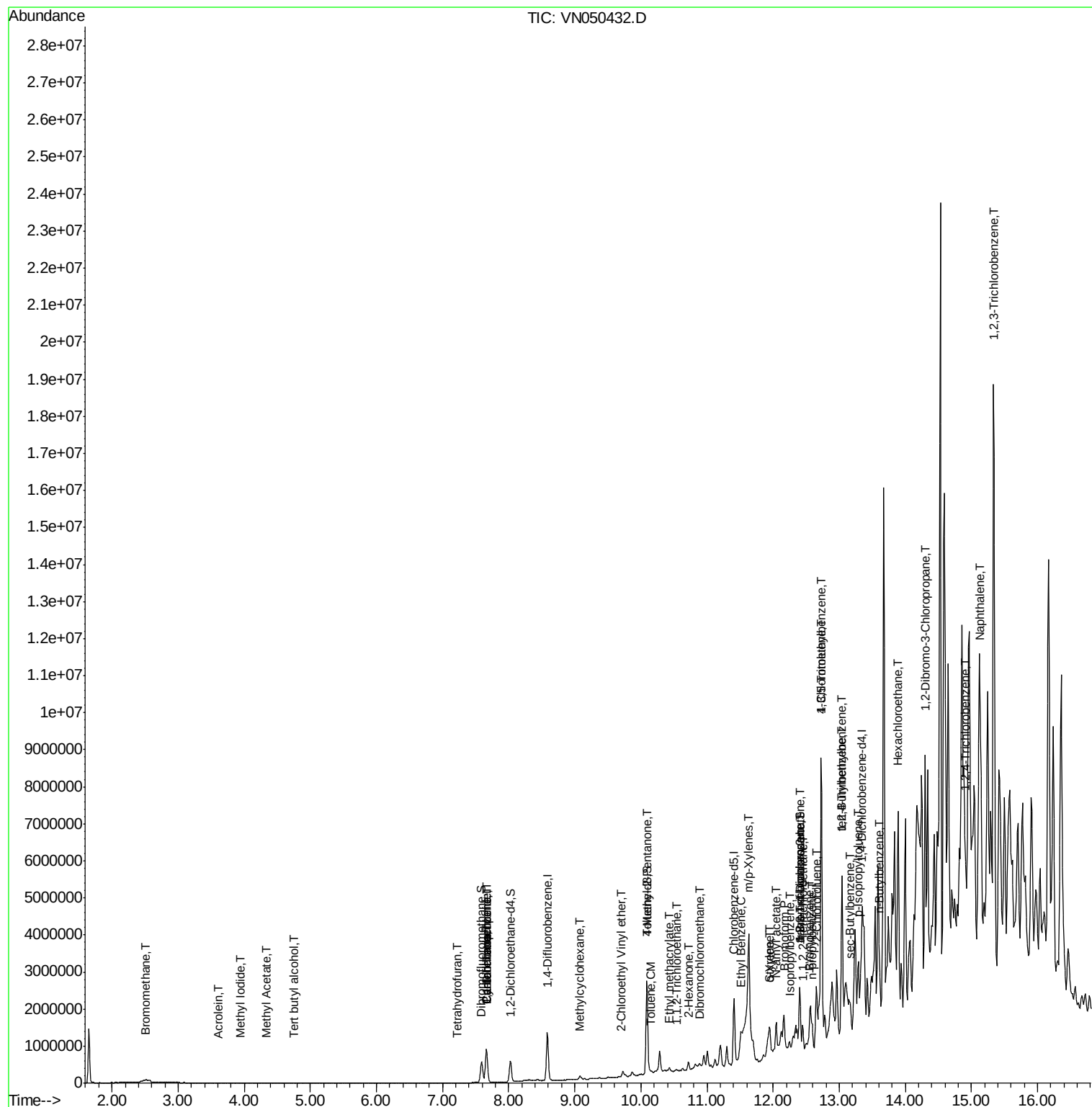
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.04	119	279725	8.78	ug/l #	73
84) 1,2,4-Trimethylbenzene	13.04	105	2271998	61.39	ug/l	100
85) sec-Butylbenzene	13.17	105	293541	6.91	ug/l #	72
86) p-Isopropyltoluene	13.29	119	338418	9.30	ug/l	98
89) n-Butylbenzene	13.62	91	596893	19.26	ug/l #	74
90) Hexachloroethane	13.89	117	209906	32.43	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.30	75	13211	5.99	ug/l #	25
93) 1,2,4-Trichlorobenzene	14.91	180	4037	0.37	ug/l #	1
94) Hexachlorobutadiene	15.02	225	32	Below Cal	#	18
95) Naphthalene	15.14	128	2481152	82.90	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.34	180	10203	0.92	ug/l #	1

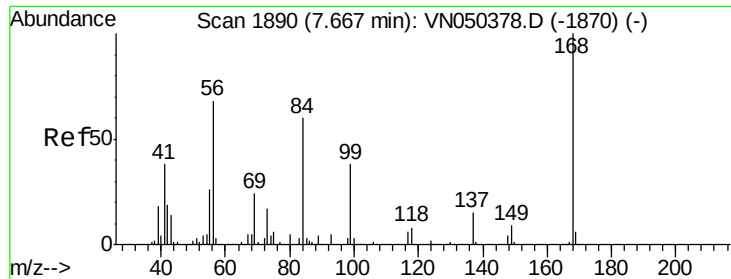
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

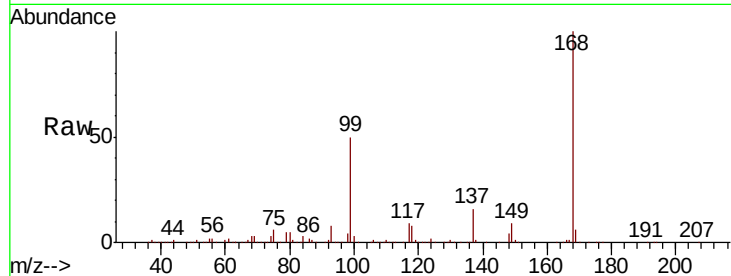
TP-2ME

Tot Ion:168 Resp: 799354

Ion Ratio Lower Upper

168 100

99 50.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.66

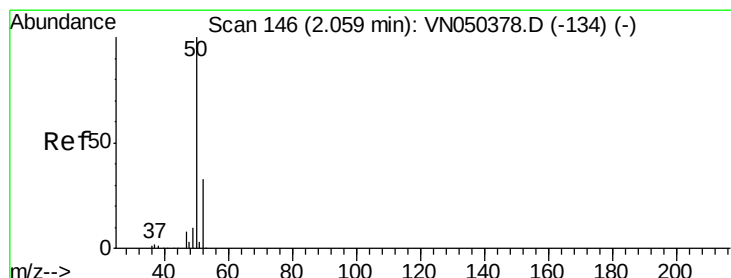
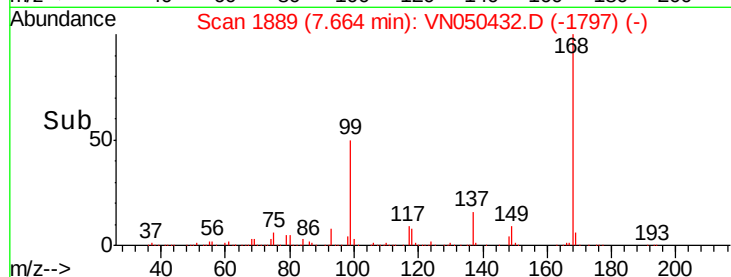
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.05 min Scan# 144

Delta R.T. -0.01 min

Lab File: VN050432.D

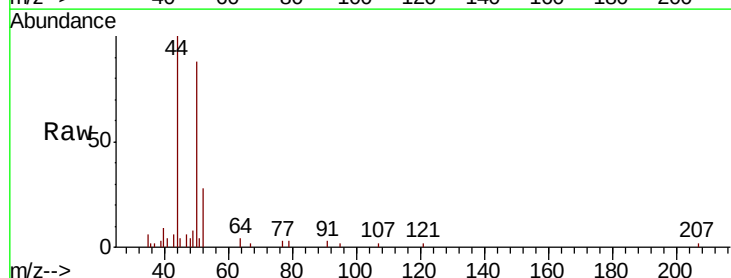
Acq: 7 Aug 2018 15:26

Tgt Ion: 50 Resp: 10831

Ion Ratio Lower Upper

50 100

52 31.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): V

Ion 51.90 (51.60 to 52.60): V

2.05

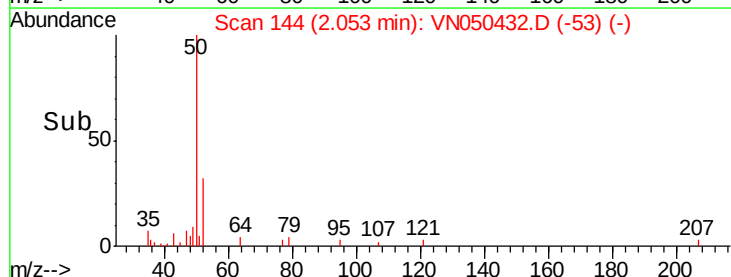
6000

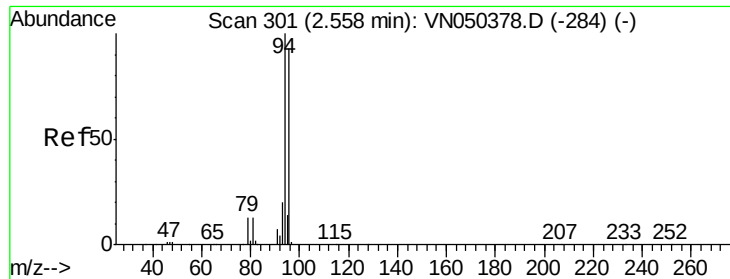
4000

2000

0

Time-->





#5

Bromomethane

Concen: 2.20 ug/l

RT: 2.51 min Scan# 287

Delta R.T. -0.04 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

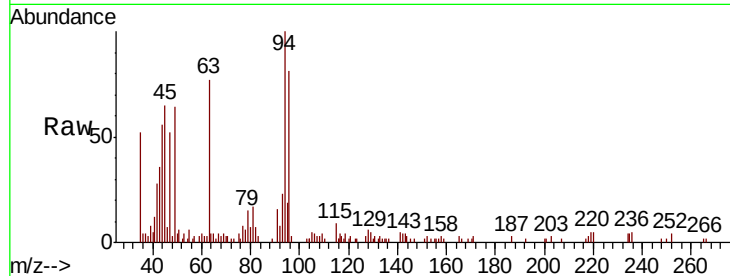
TP-2ME

Tot Ion: 94 Resp: 11337

Ion Ratio Lower Upper

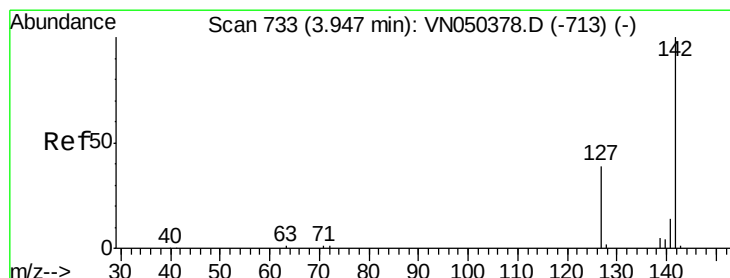
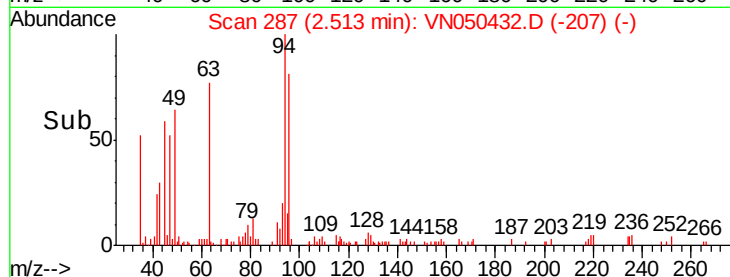
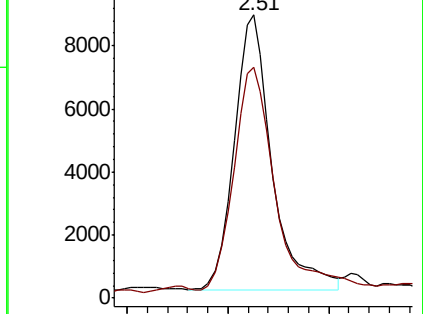
94 100

96 80.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050432.D (-207) (-)

Ion 95.90 (95.60 to 96.60): VN050432.D (-207) (-)



#10

Methyl Iodide

Concen: 2.40 ug/l

RT: 3.93 min Scan# 728

Delta R.T. -0.02 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

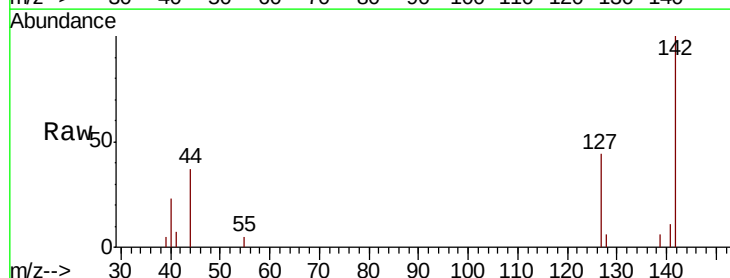
Tgt Ion: 142 Resp: 9707

Ion Ratio Lower Upper

142 100

127 40.8 33.4 50.2

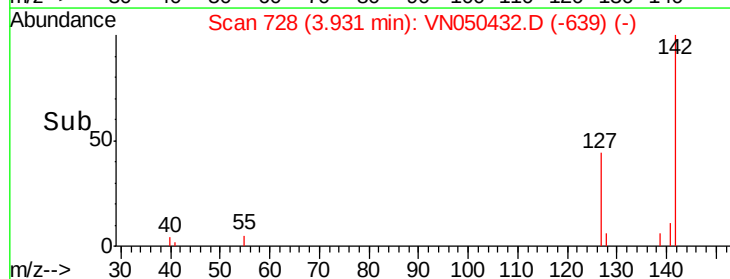
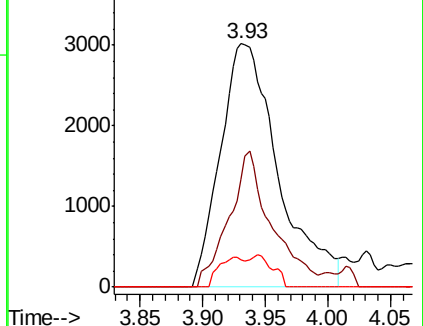
141 5.5 11.6 17.4#

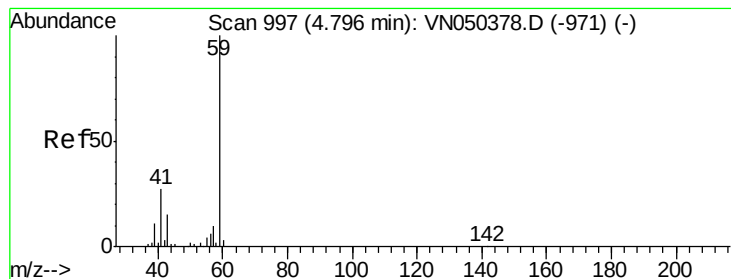


Abundance Ion 141.80 (141.50 to 142.50): VN050432.D (-639) (-)

Ion 126.80 (126.50 to 127.50): VN050432.D (-639) (-)

Ion 140.80 (140.50 to 141.50): VN050432.D (-639) (-)





#11

Tert butyl alcohol

Concen: 5.45 ug/l

RT: 4.75 min Scan# 984

Delta R.T. -0.04 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleID :

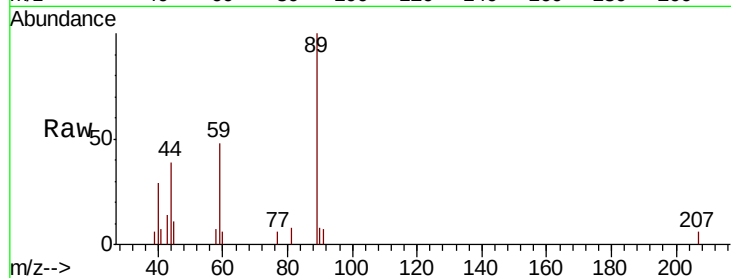
TP-2ME

Tot Ion: 59 Resp: 4680

Ion Ratio Lower Upper

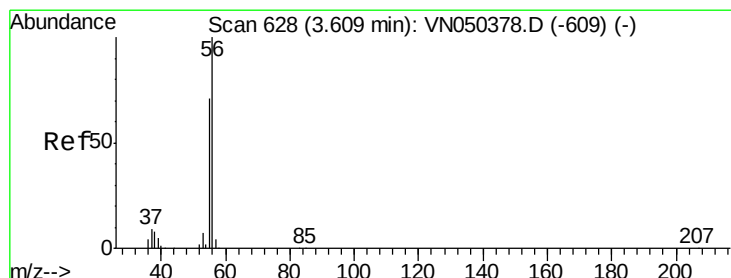
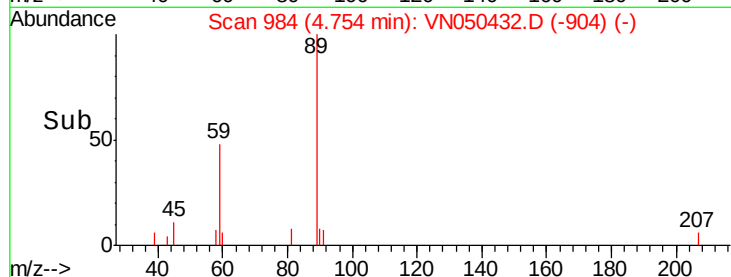
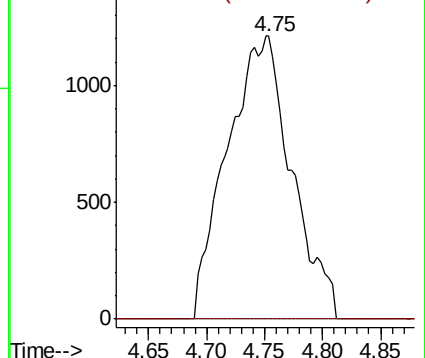
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#13

Acrolein

Concen: 15.27 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050432.D

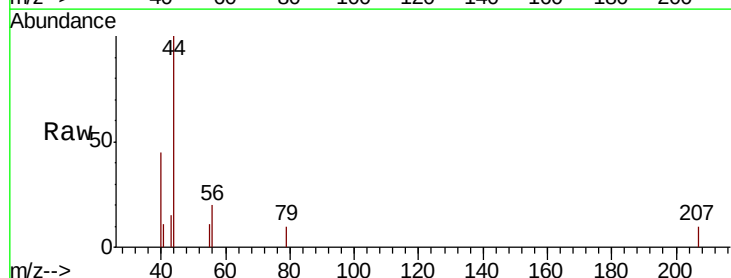
Acq: 7 Aug 2018 15:26

Tgt Ion: 56 Resp: 288

Ion Ratio Lower Upper

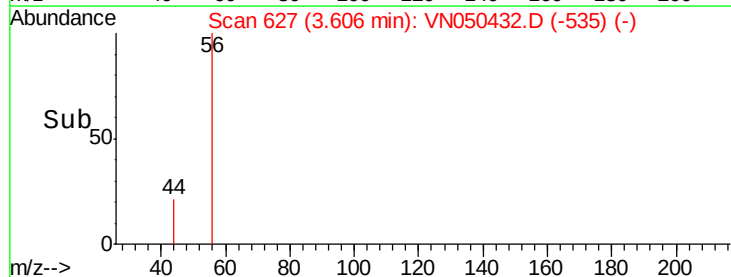
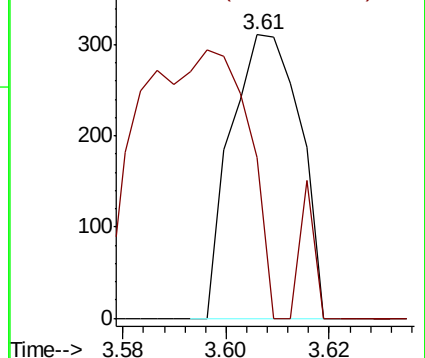
56 100

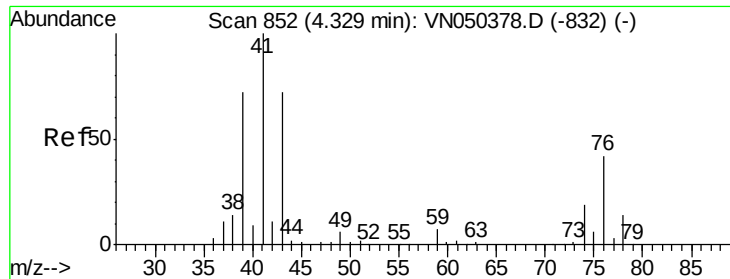
55 10.1 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

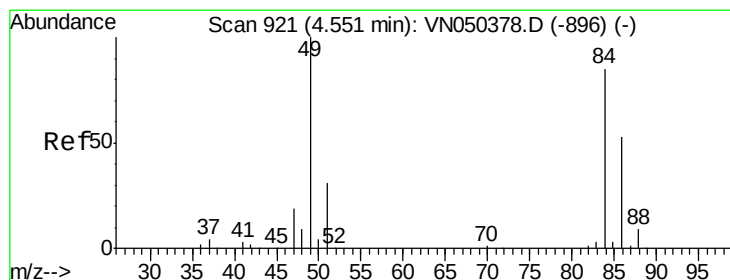
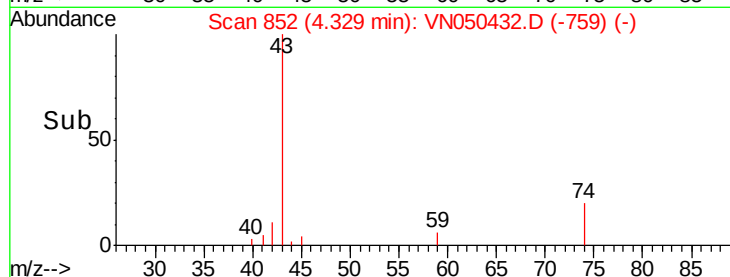
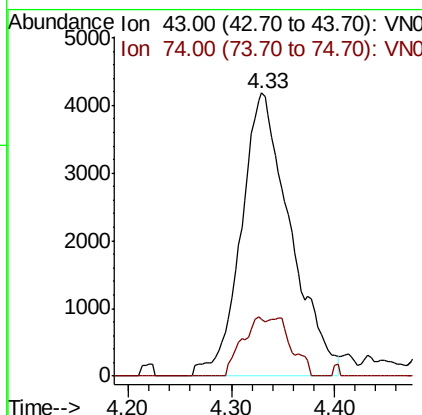
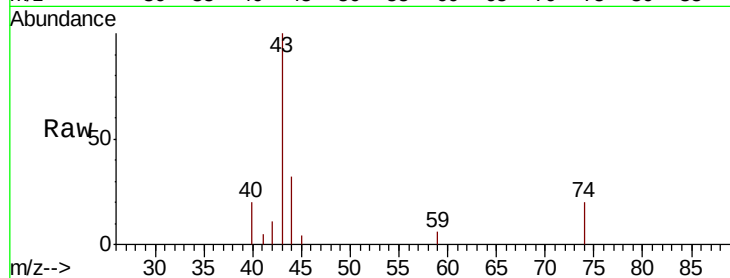




#18
Methyl Acetate
Concen: 1.49 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

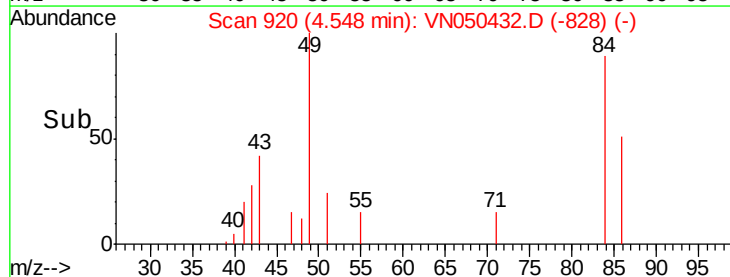
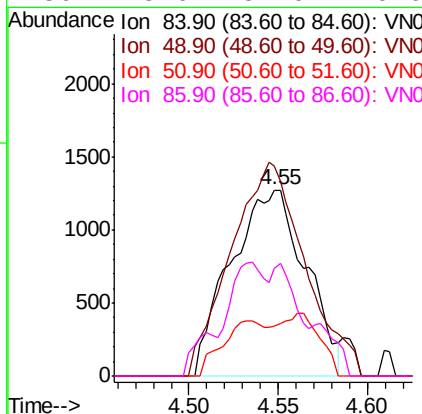
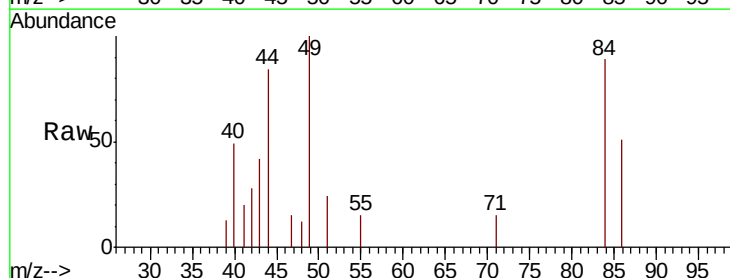
Instrument :
MSVOA_N
ClientSampleId :
TP-2ME

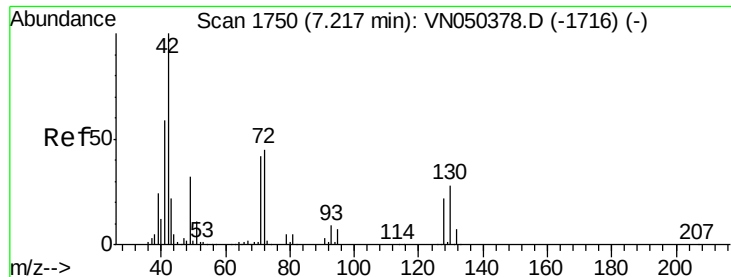
Tot Ion: 43 Resp: 13851
Ion Ratio Lower Upper
43 100
74 9.8 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

Tgt Ion: 84 Resp: 3731
Ion Ratio Lower Upper
84 100
49 113.0 94.8 142.2
51 27.1 28.3 42.5#
86 45.6 51.0 76.6#

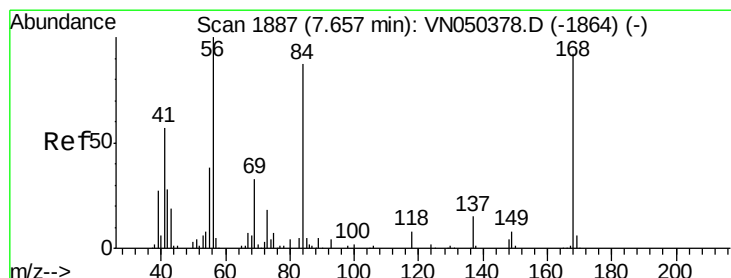
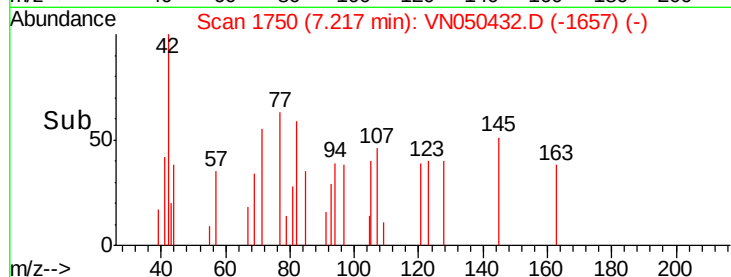
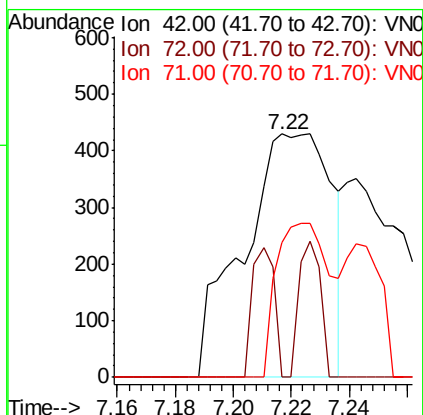
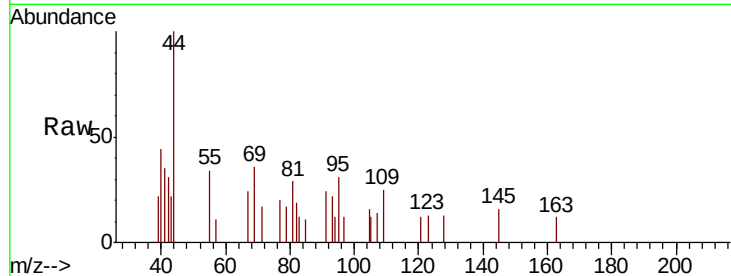




#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

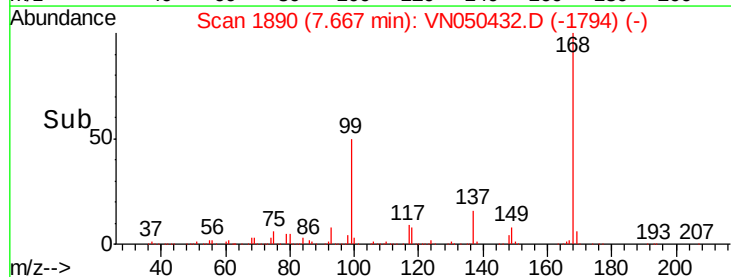
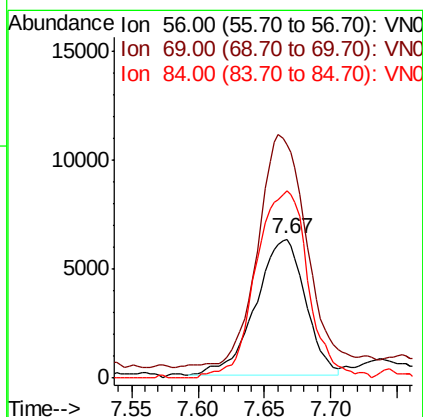
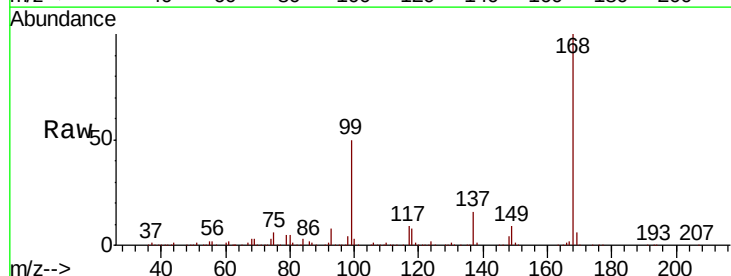
Instrument :
MSVOA_N
ClientSampled :
TP-2ME

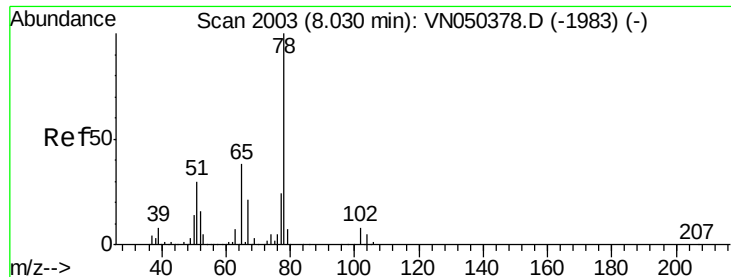
Tot Ion: 42 Resp: 909
Ion Ratio Lower Upper
42 100
72 13.6 35.9 53.9#
71 38.4 33.7 50.5



#31
Cyclohexane
Concen: 0.44 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

Tgt Ion: 56 Resp: 16232
Ion Ratio Lower Upper
56 100
69 163.0 26.2 39.4#
84 138.1 67.4 101.0#

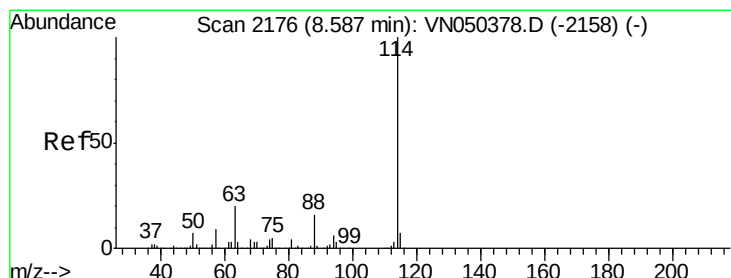
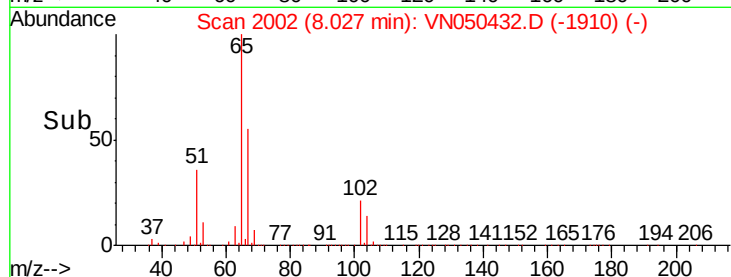
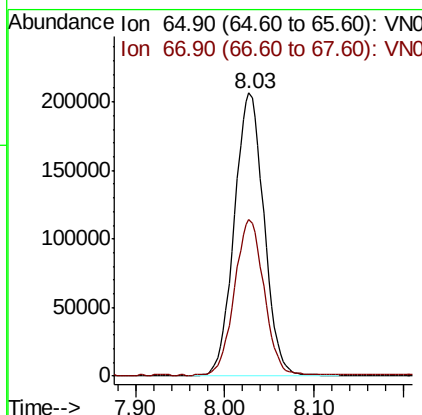
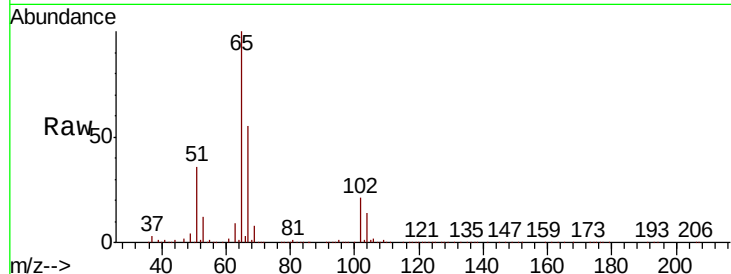




#33
 1,2-Dichloroethane-d4
 Concen: 44.54 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050432.D
 Acq: 7 Aug 2018 15:26

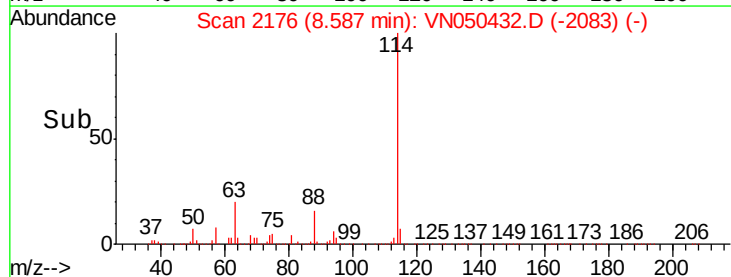
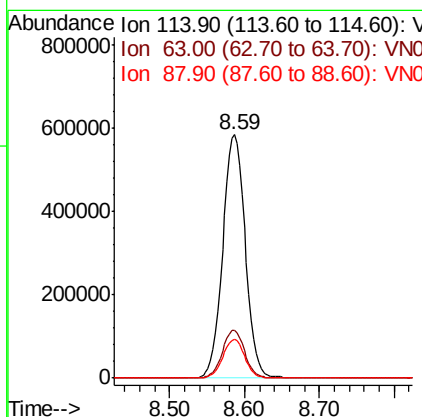
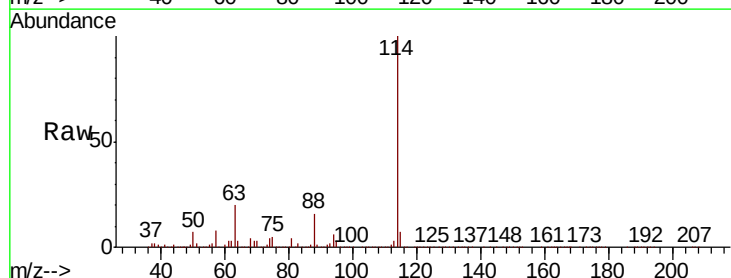
Instrument :
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 ClientSampled :
 TP-2ME

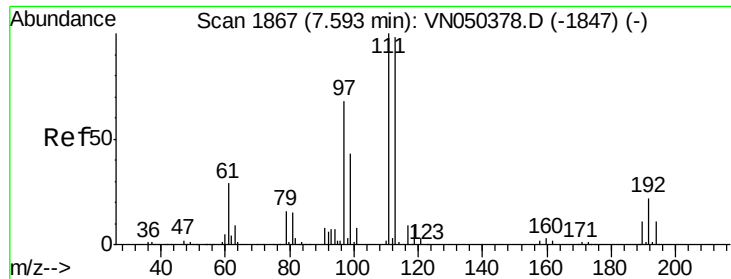
Tot Ion: 65 Resp: 475649
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050432.D
 Acq: 7 Aug 2018 15:26

Tgt Ion: 114 Resp: 1216349
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 44.25 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

TP-2ME

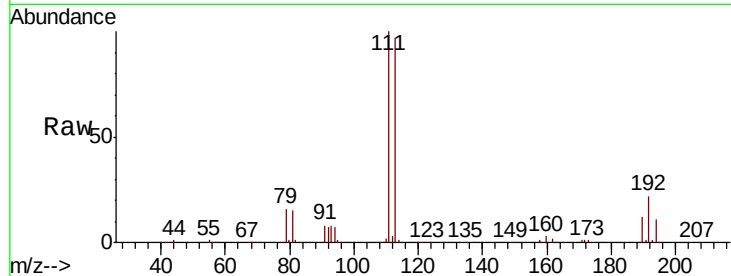
Tot Ion:113 Resp: 431862

Ion Ratio Lower Upper

113 100

111 103.0 80.7 121.1

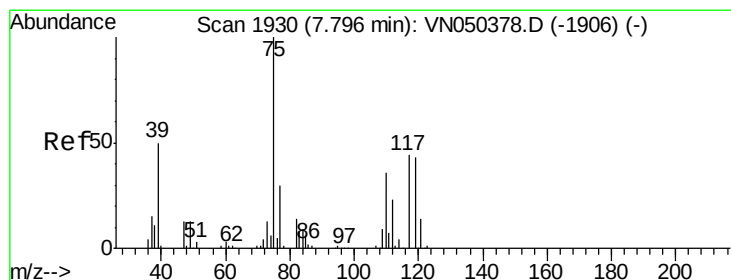
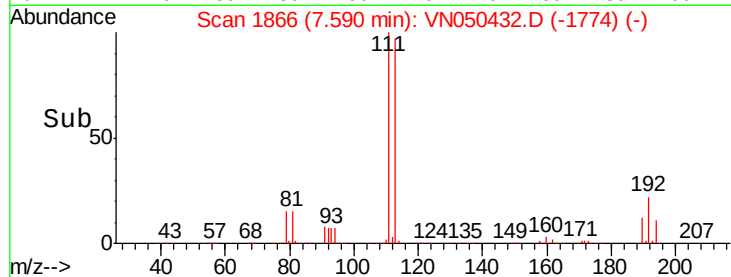
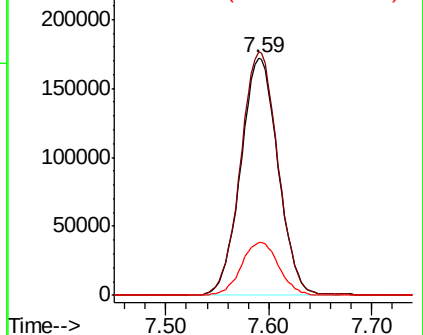
192 22.6 17.8 26.6



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: 3.94 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

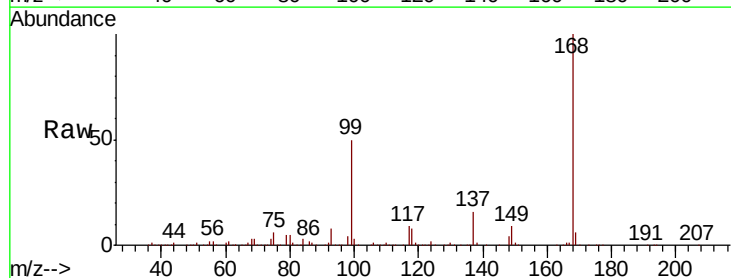
Tgt Ion: 75 Resp: 52616

Ion Ratio Lower Upper

75 100

110 8.5 18.4 55.2#

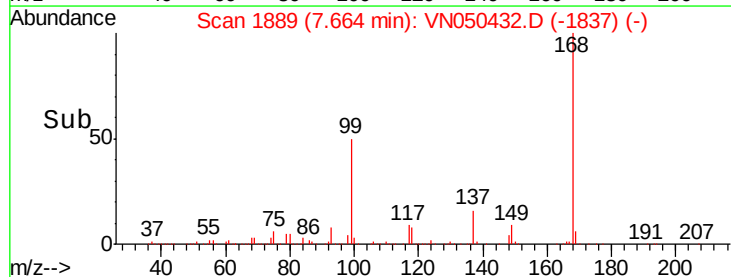
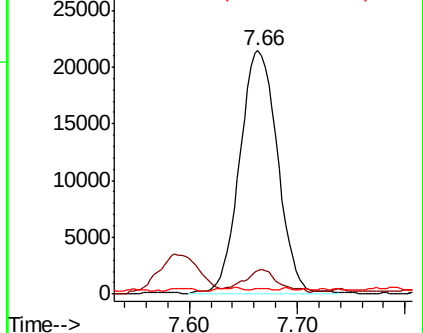
77 0.0 25.3 37.9#

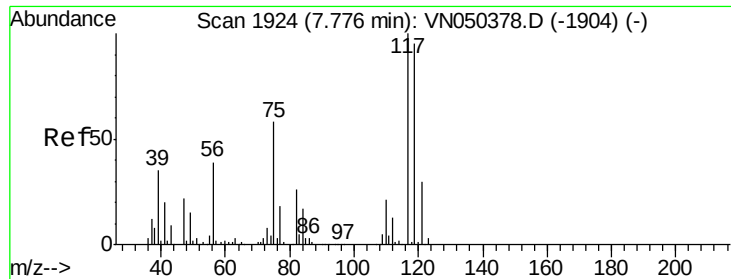


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

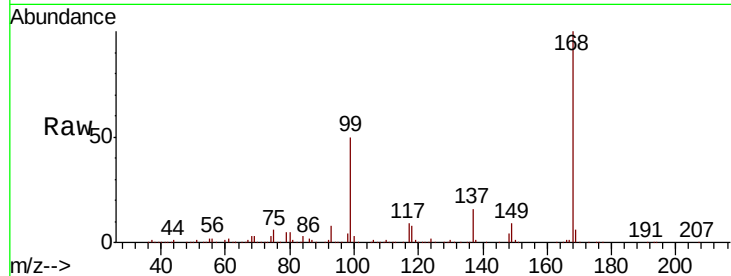




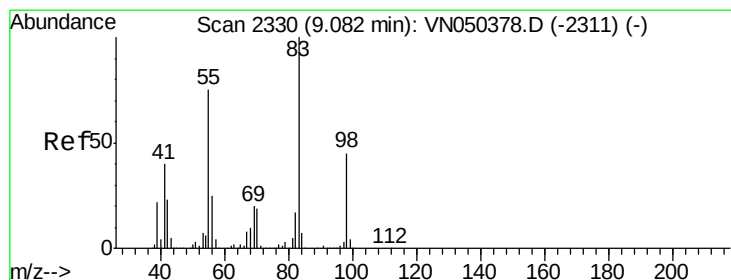
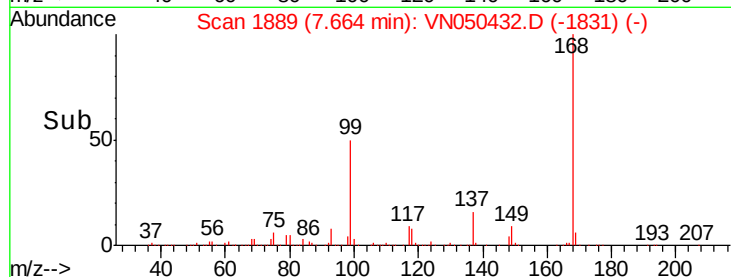
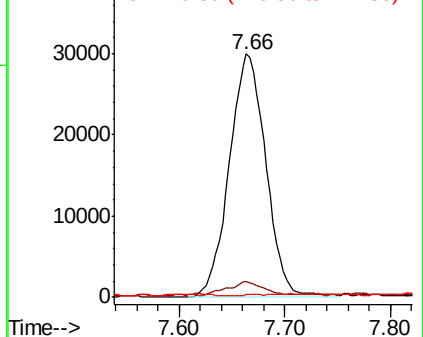
#38
Carbon Tetrachloride
Concen: 5.18 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. -0.11 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampled :
TP-2ME

Tot Ion:117 Resp: 72270
Ion Ratio Lower Upper
117 100
119 5.3 77.4 116.0#
121 0.1 23.9 35.9#

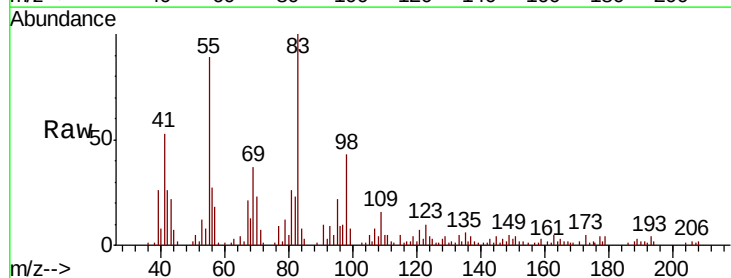


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

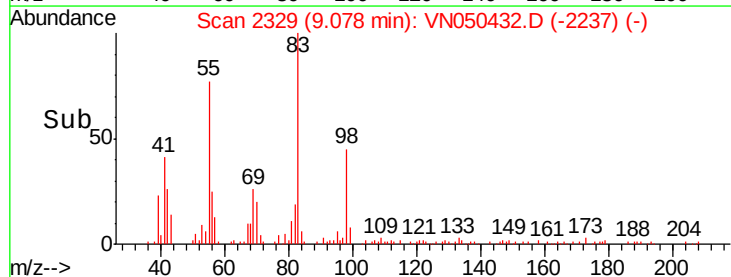
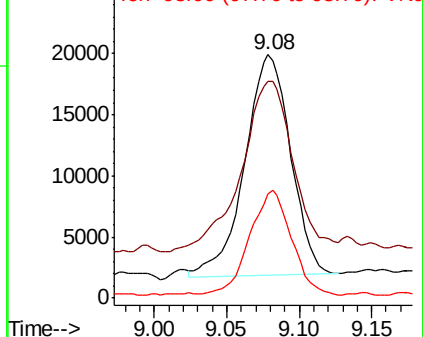


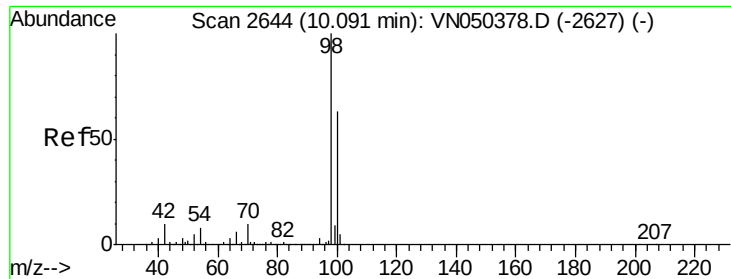
#39
Methylcyclohexane
Concen: 2.73 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

Tgt Ion: 83 Resp: 39808
Ion Ratio Lower Upper
83 100
55 74.2 61.8 92.8
98 45.7 36.5 54.7



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

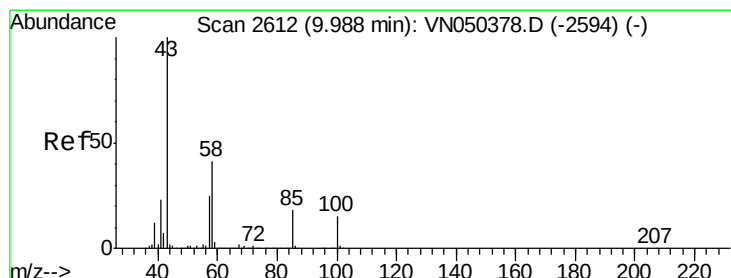
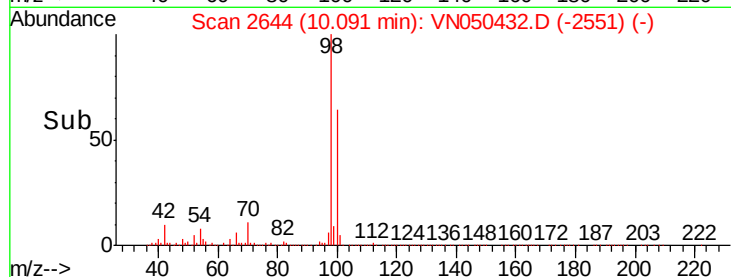
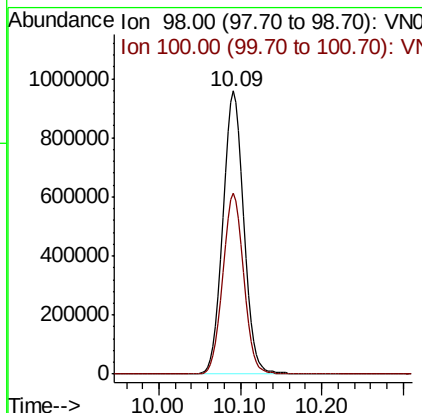
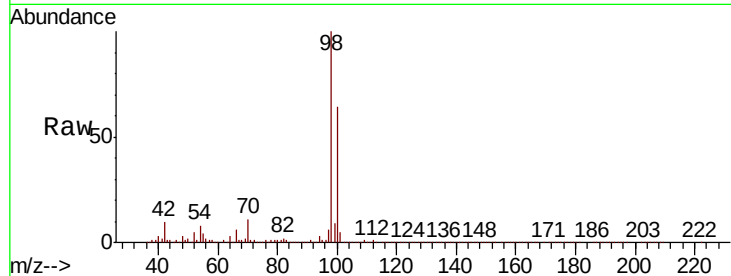




#50
Toluene-d8
Concen: 47.50 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

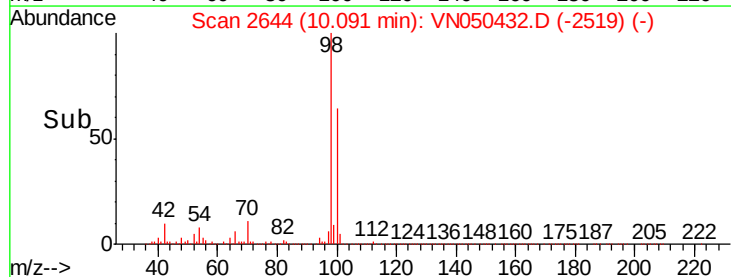
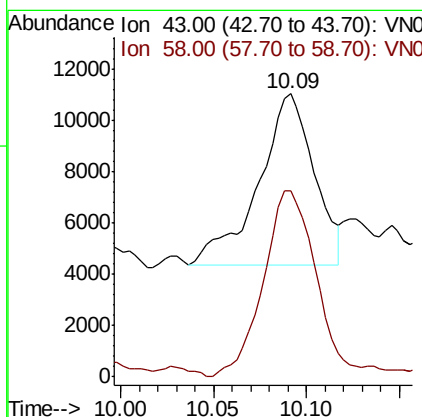
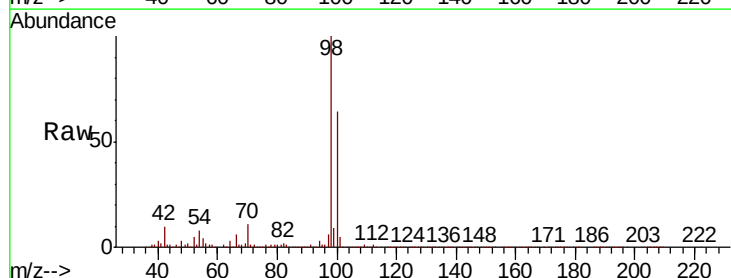
Instrument :
MSVOA_N
ClientSampleId :
TP-2ME

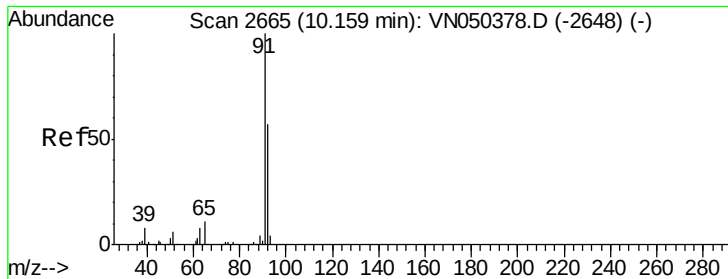
Tot Ion: 98 Resp: 1743050
Ion Ratio Lower Upper
98 100
100 64.0 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 1.17 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.10 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

Tgt Ion: 43 Resp: 13973
Ion Ratio Lower Upper
43 100
58 102.2 31.9 47.9#





#52

Toluene

Concen: 0.87 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

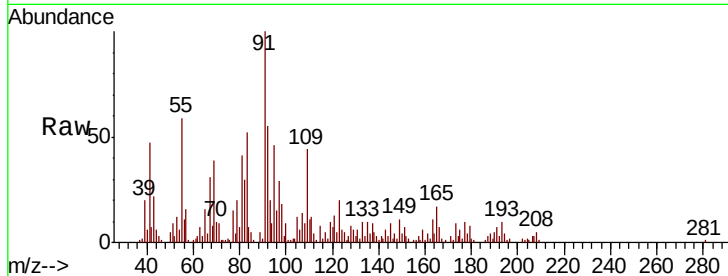
TP-2ME

Tot Ion: 92 Resp: 21543

Ion Ratio Lower Upper

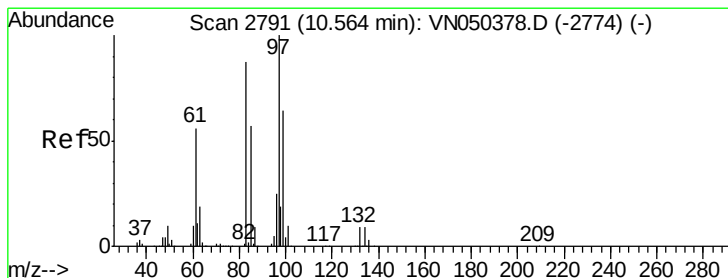
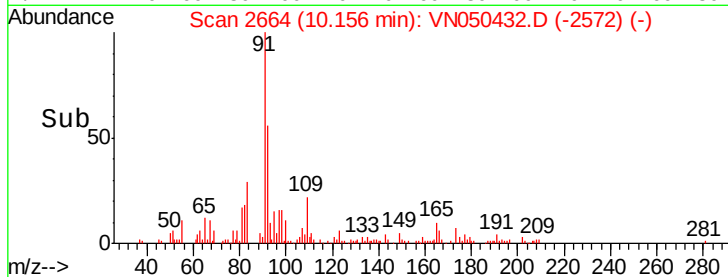
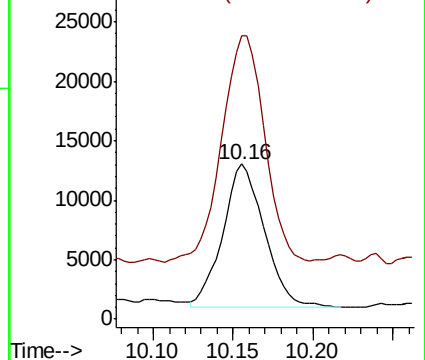
92 100

91 161.3 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#55

1,1,2-Trichloroethane

Concen: 2.41 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. -0.03 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Tgt Ion: 97 Resp: 23202

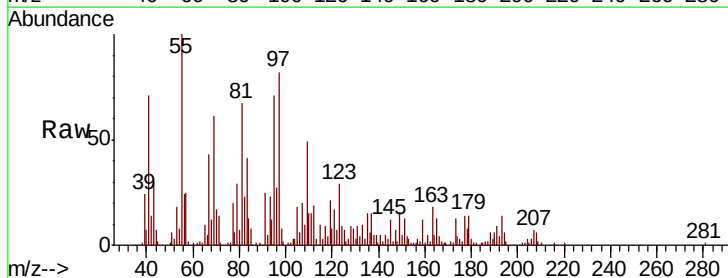
Ion Ratio Lower Upper

97 100

83 15.1 69.2 103.8#

85 1.8 44.0 66.0#

99 1.2 49.9 74.9#

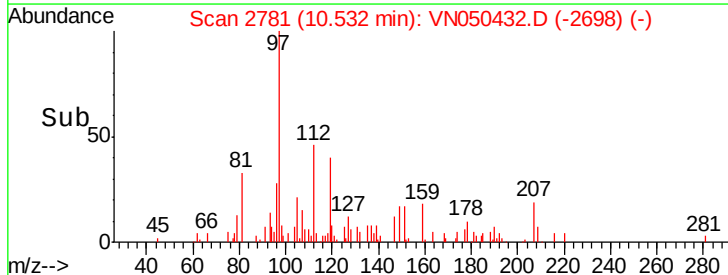
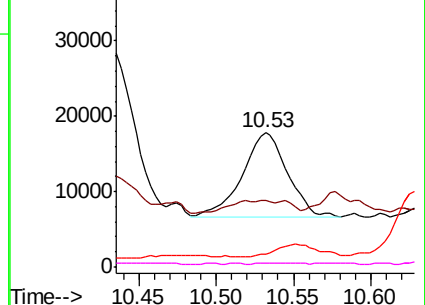


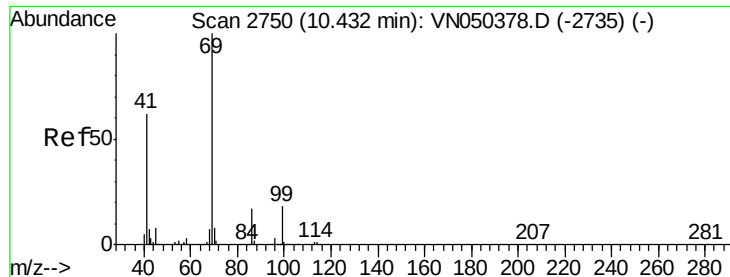
Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 2.47 ug/l

RT: 10.44 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

TP-2ME

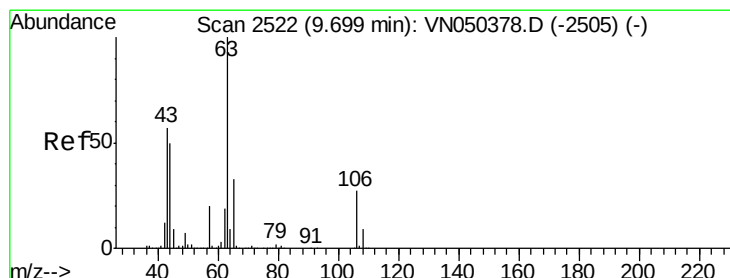
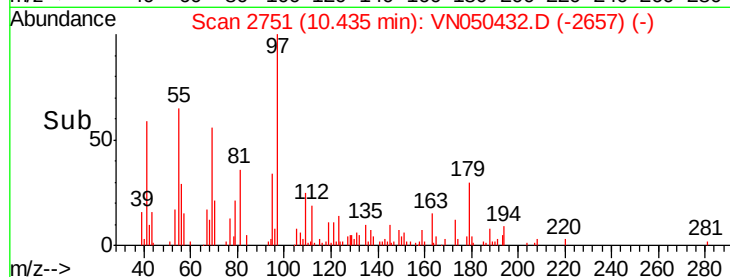
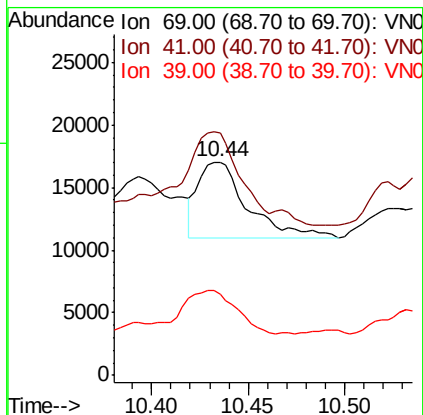
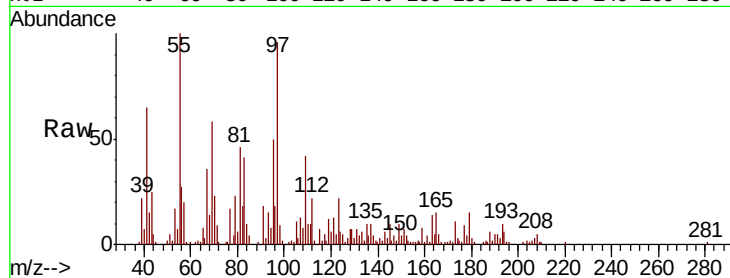
Tot Ion: 69 Resp: 10685

Ion Ratio Lower Upper

69 100

41 97.8 51.0 76.4#

39 60.0 26.6 40.0#



#58

2-Chloroethyl Vinyl ether

Concen: 7.40 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050432.D

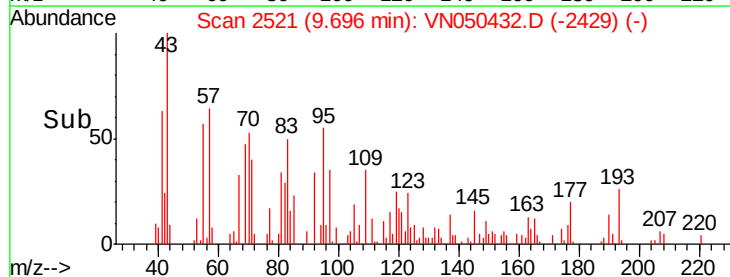
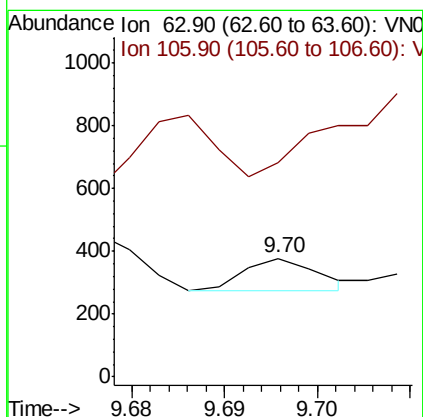
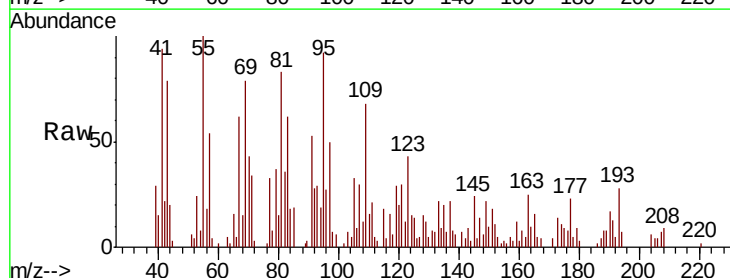
Acq: 7 Aug 2018 15:26

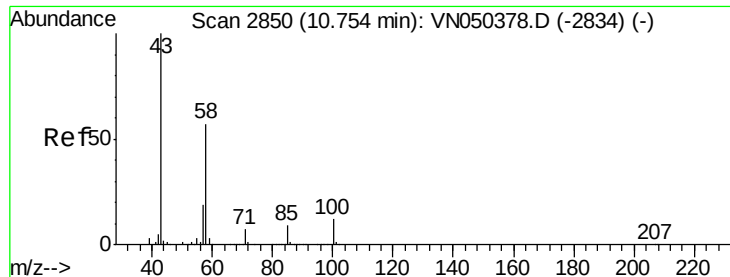
Tgt Ion: 63 Resp: 57

Ion Ratio Lower Upper

63 100

106 0.0 21.7 32.5#

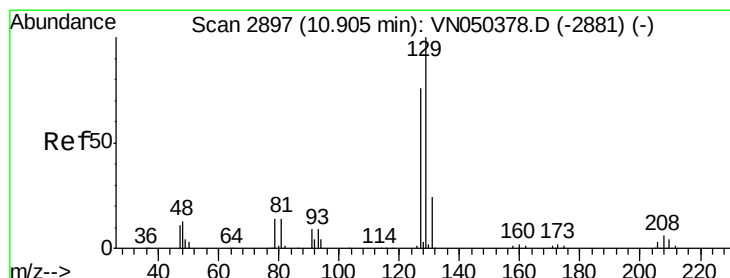
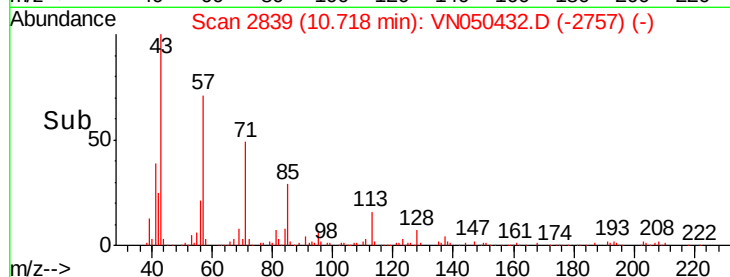
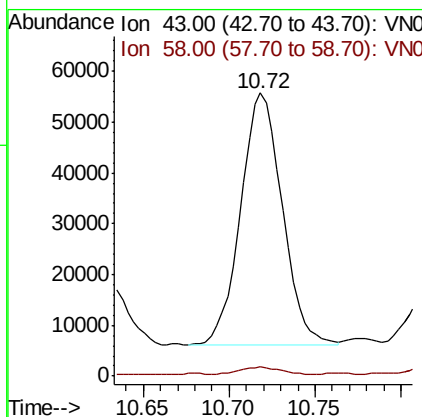
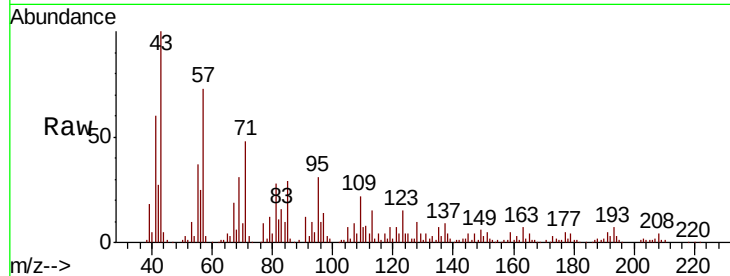




#59
2-Hexanone
Concen: 10.03 ug/l
RT: 10.72 min Scan# 2839
Delta R.T. -0.04 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

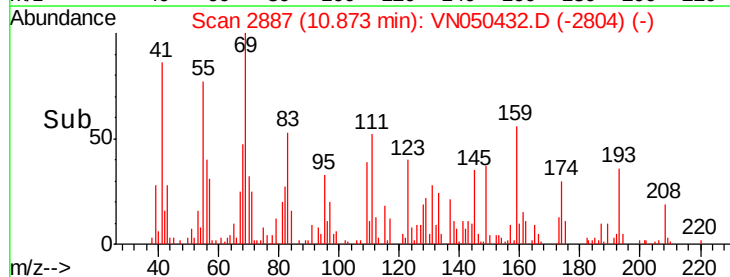
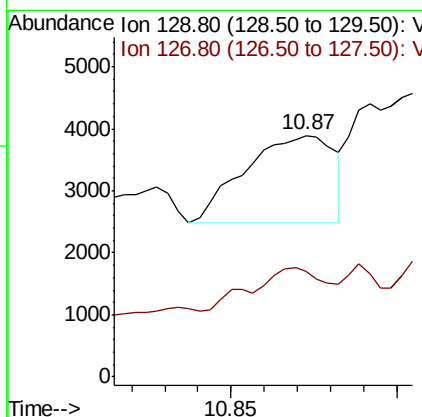
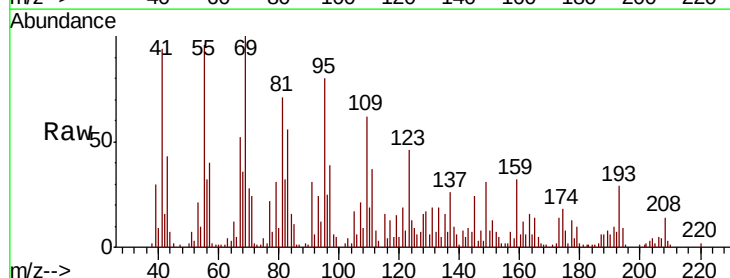
Instrument :
MSVOA_N
ClientSampled :
TP-2ME

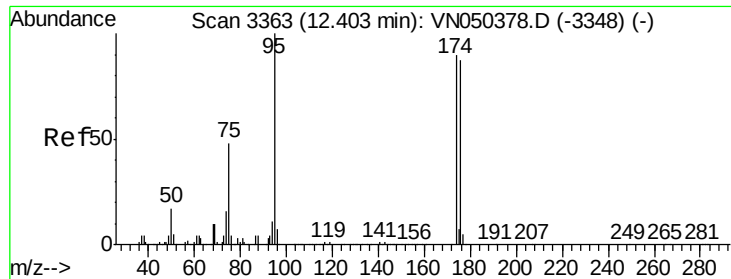
Tot Ion: 43 Resp: 83758
Ion Ratio Lower Upper
43 100
58 2.8 27.6 82.7#



#60
Dibromochloromethane
Concen: 0.25 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. -0.03 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

Tgt Ion: 129 Resp: 2636
Ion Ratio Lower Upper
129 100
127 40.3 38.0 113.9

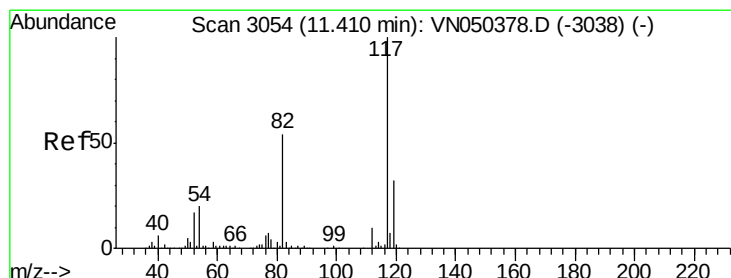
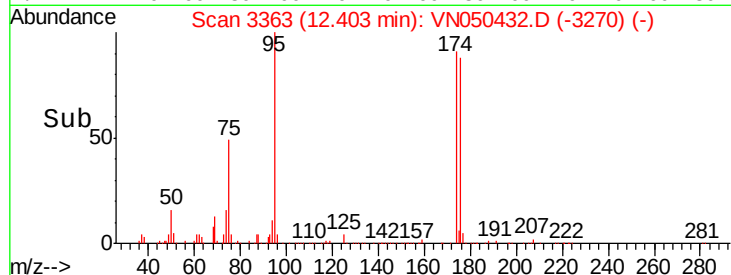
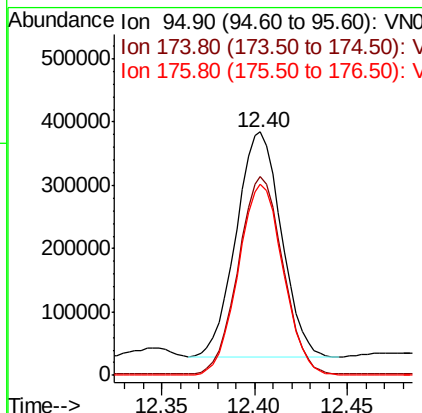
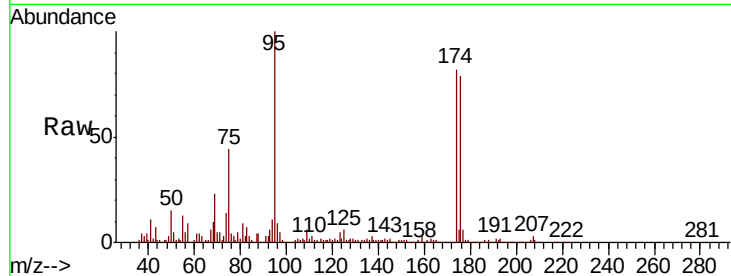




#62
4-Bromofluorobenzene
Concen: 48.12 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

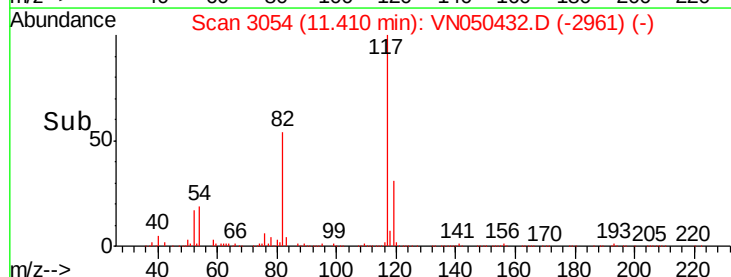
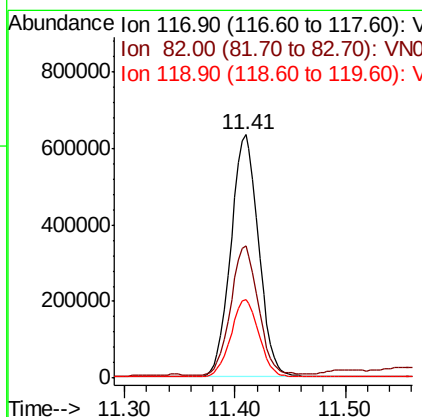
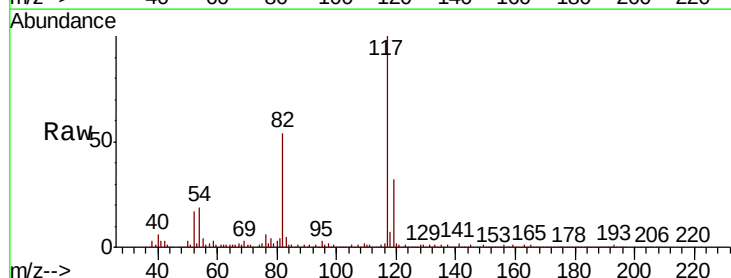
Instrument :
MSVOA_N
ClientSampled :
TP-2ME

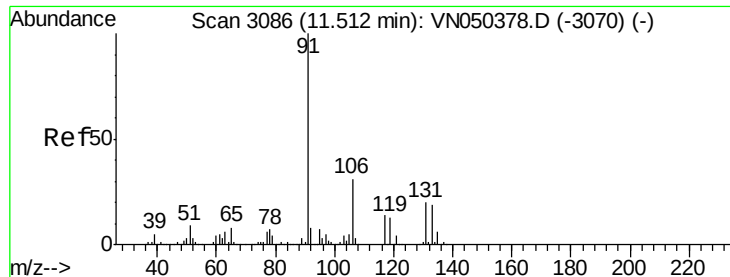
Tot Ion: 95 Resp: 601863
Ion Ratio Lower Upper
95 100
174 86.3 0.0 178.2
176 84.0 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

Tgt Ion: 117 Resp: 1101847
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 31.9 26.1 39.1

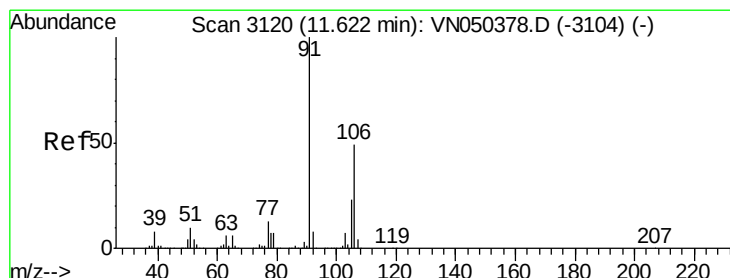
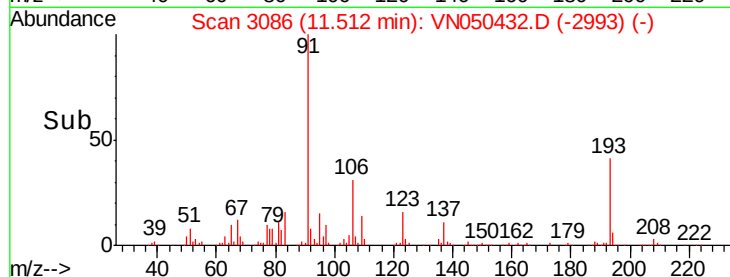
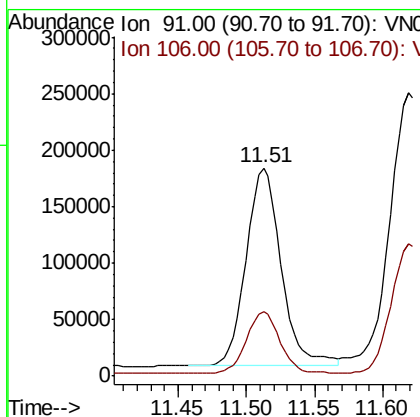
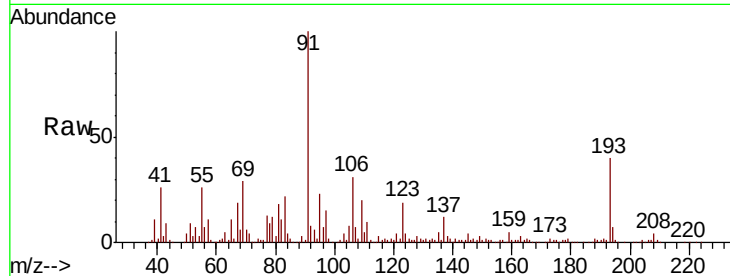




#67
Ethyl Benzene
Concen: 7.01 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

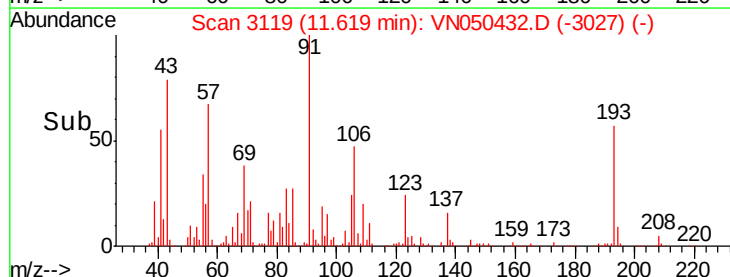
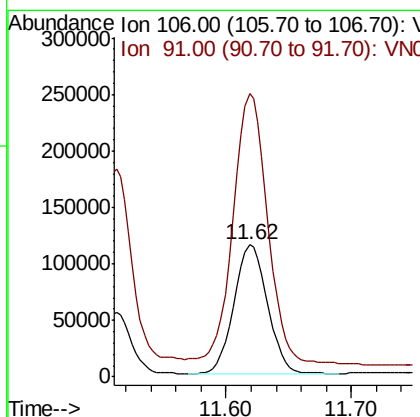
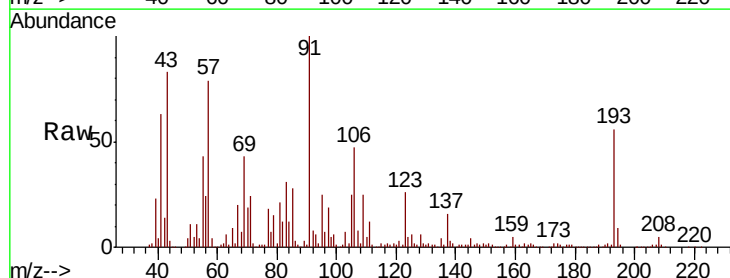
Instrument :
MSVOA_N
ClientSampled :
TP-2ME

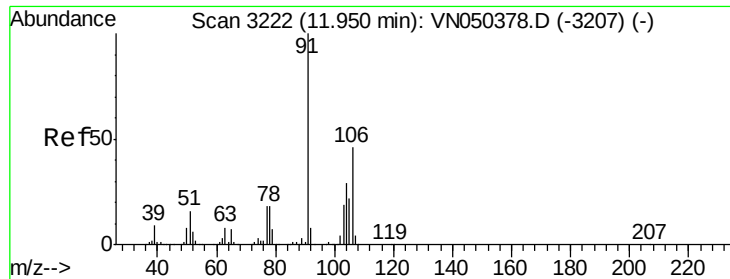
Tot Ion: 91 Resp: 313092
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4



#68
m/p-Xylenes
Concen: 12.47 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

Tgt Ion: 106 Resp: 211923
Ion Ratio Lower Upper
106 100
91 221.6 162.2 243.2

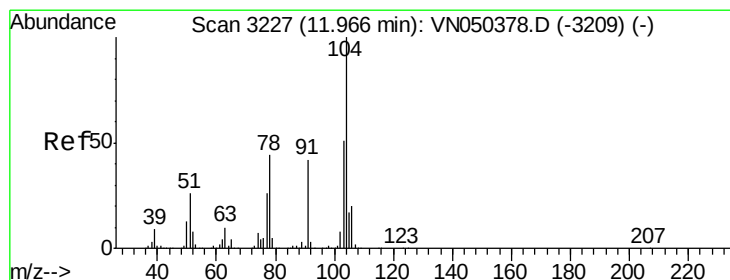
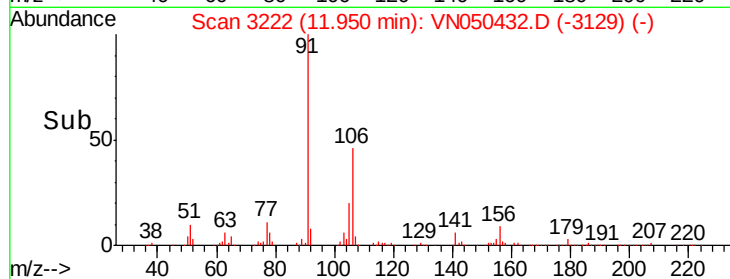
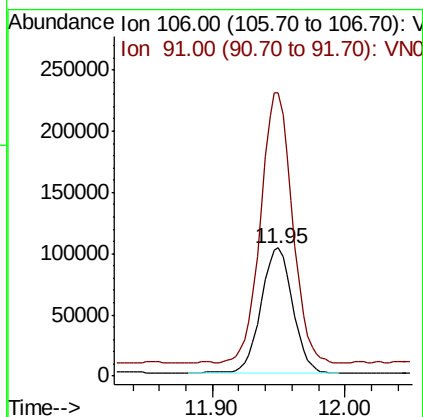
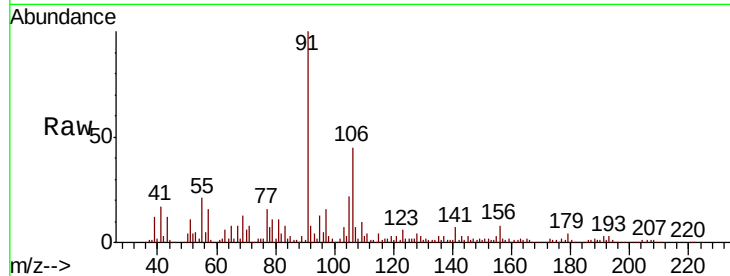




#69
o-Xylene
Concen: 10.43 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

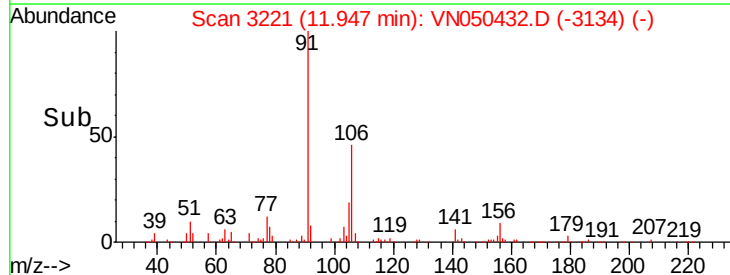
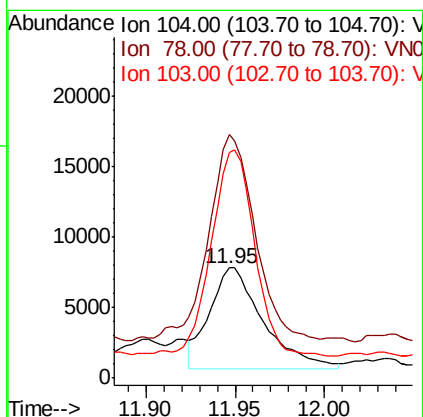
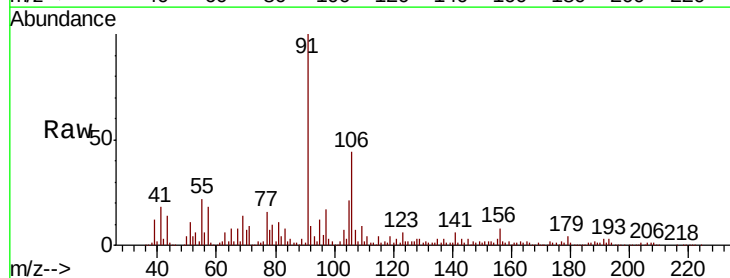
Instrument :
MSVOA_N
ClientSampled :
TP-2ME

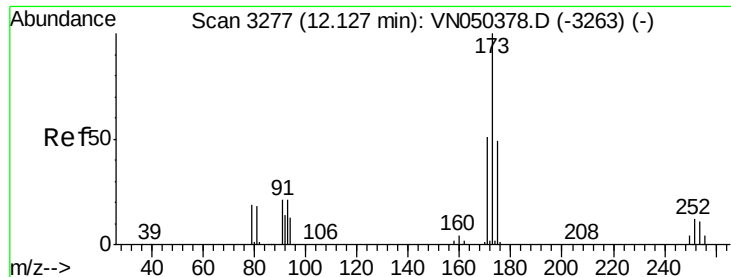
Tot Ion:106 Resp: 170867
Ion Ratio Lower Upper
106 100
91 214.6 107.7 323.1



#70
Styrene
Concen: 0.56 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.02 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

Tgt Ion:104 Resp: 14947
Ion Ratio Lower Upper
104 100
78 175.6 39.3 58.9#
103 169.4 45.0 67.6#





#71

Bromoform

Concen: 0.32 ug/l

RT: 12.17 min Scan# 3292

Delta R.T. 0.05 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

TP-2ME

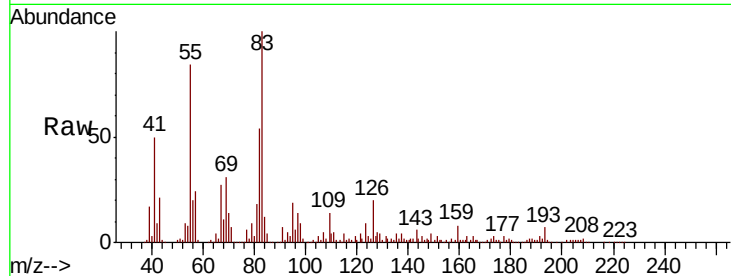
Tot Ion:173 Resp: 2382

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.2#

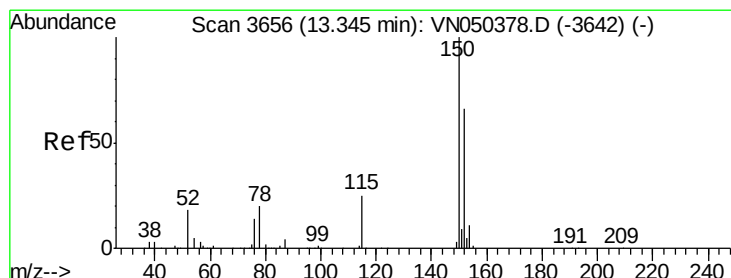
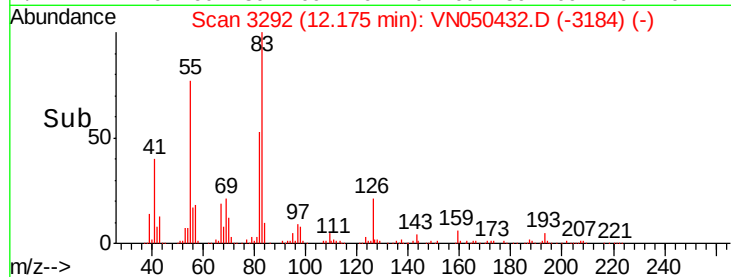
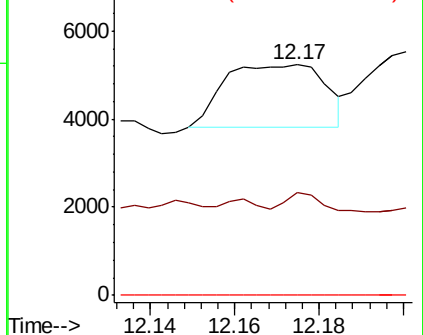
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

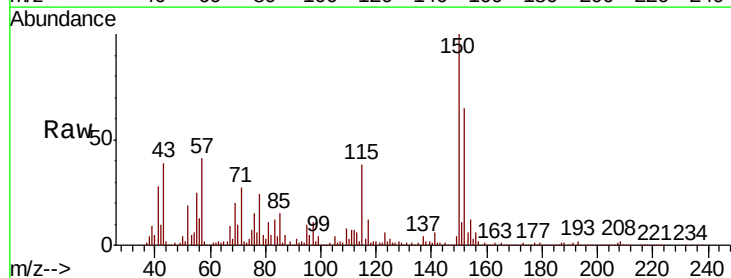
Tgt Ion:152 Resp: 599542

Ion Ratio Lower Upper

152 100

115 66.8 27.8 83.3

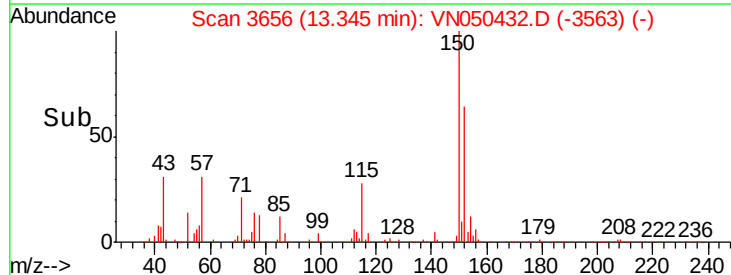
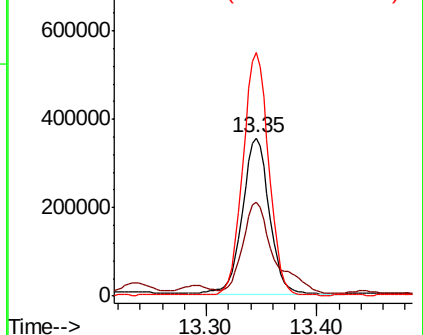
150 147.6 0.0 348.6

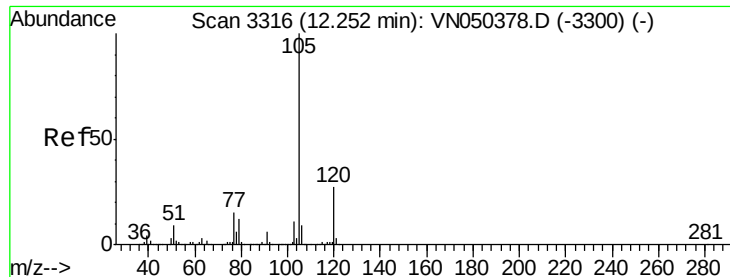


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.40 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

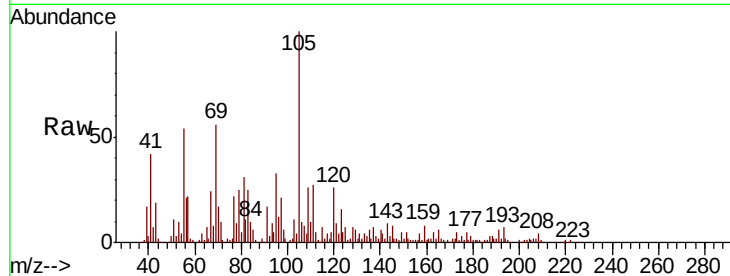
TP-2ME

Tot Ion:105 Resp: 153173

Ion Ratio Lower Upper

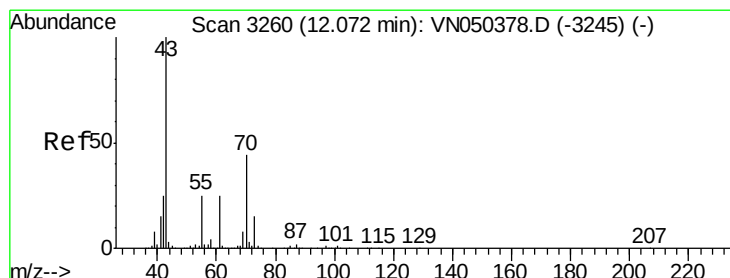
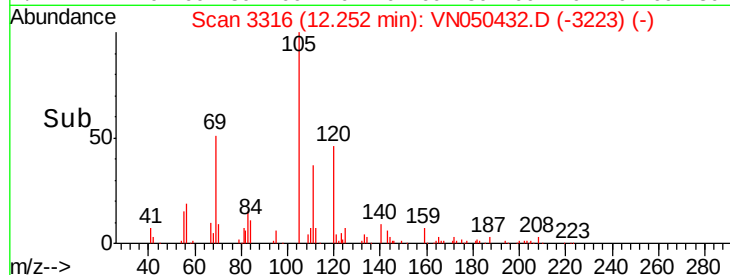
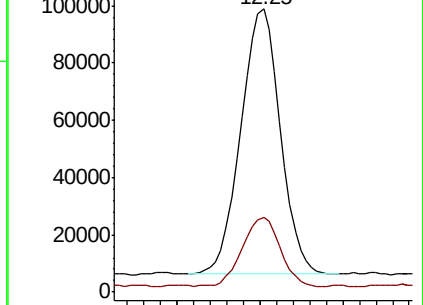
105 100

120 24.8 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-ethyl acetate

Concen: 10.68 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Tgt Ion: 43 Resp: 155834

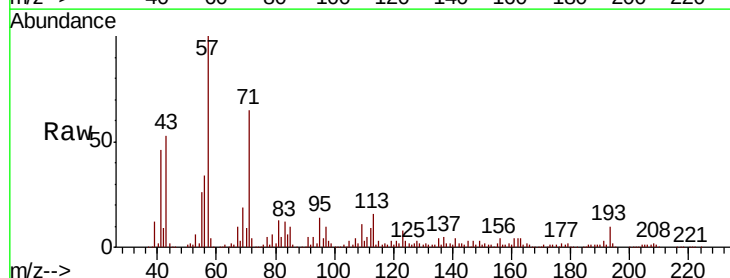
Ion Ratio Lower Upper

43 100

70 8.3 34.4 51.6#

55 15.4 20.8 31.2#

61 0.3 19.7 29.5#

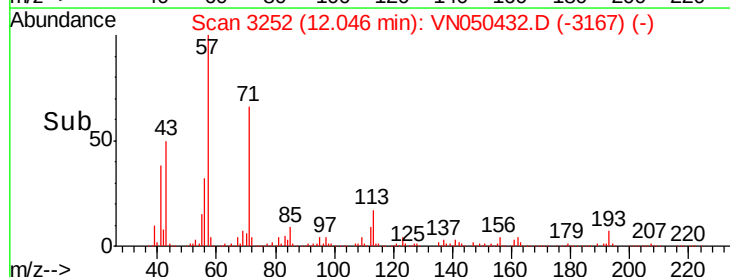
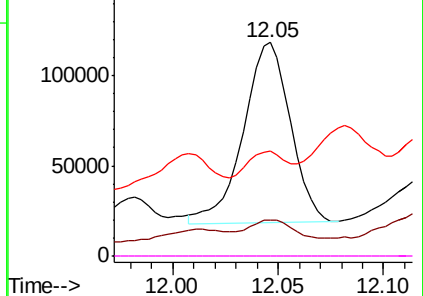


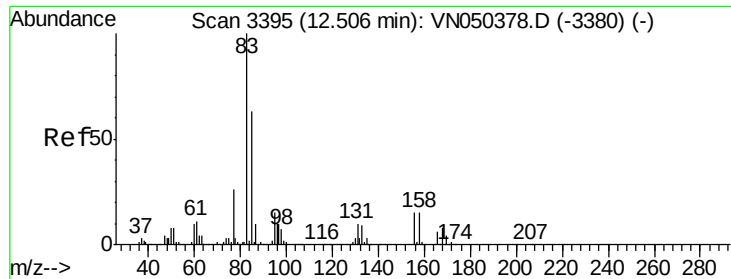
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.84 ug/l

RT: 12.45 min Scan# 3379

Delta R.T. -0.05 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

TP-2ME

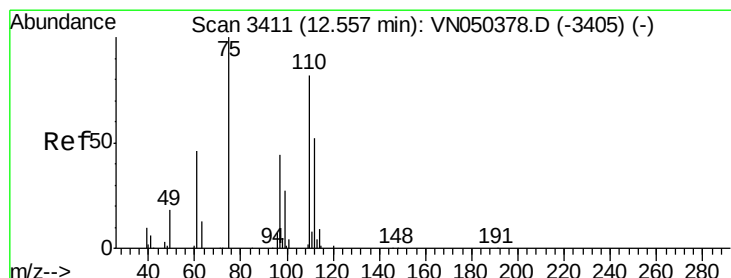
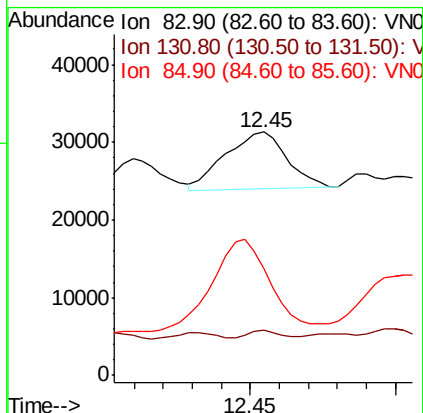
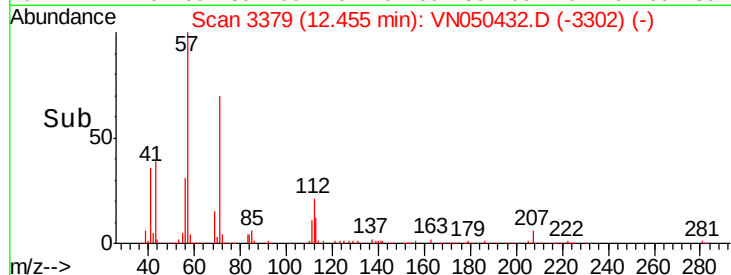
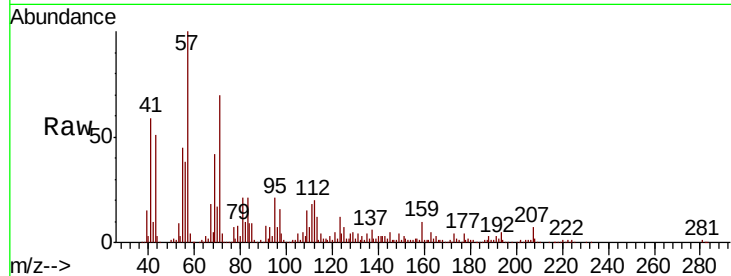
Tot Ion: 83 Resp: 10878

Ion Ratio Lower Upper

83 100

131 6.6 5.1 15.3

85 163.2 32.3 96.8#



#76

1,2,3-Trichloropropane

Concen: 25.59 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050432.D

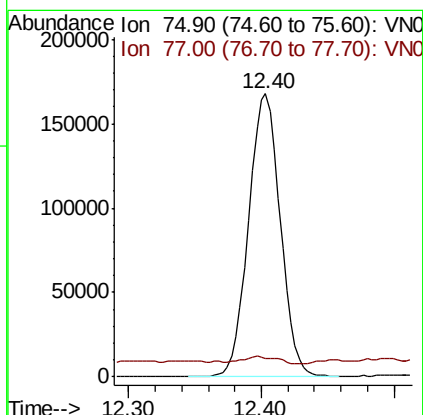
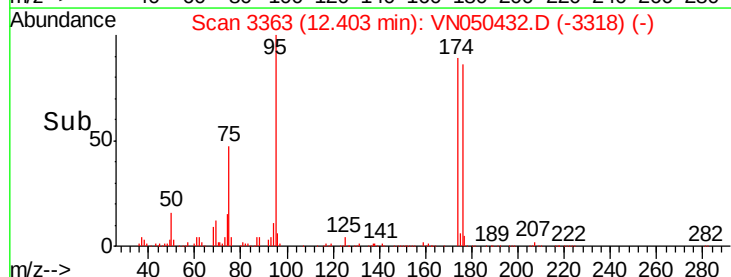
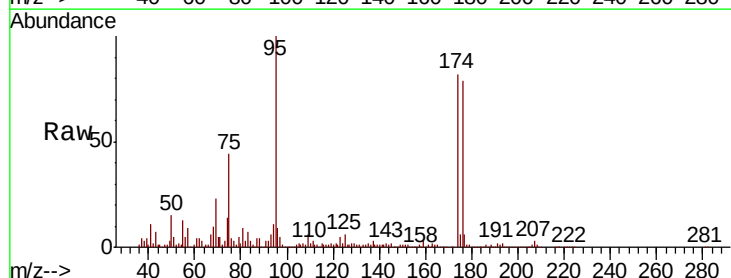
Acq: 7 Aug 2018 15:26

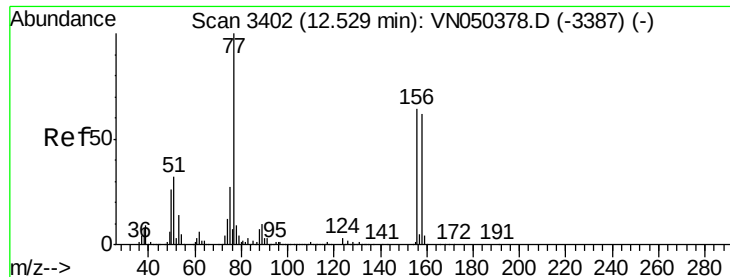
Tgt Ion: 75 Resp: 277655

Ion Ratio Lower Upper

75 100

77 2.4 0.0 0.0#





#77

Bromobenzene

Concen: 6.96 ug/l

RT: 12.54 min Scan# 3407

Delta R.T. 0.02 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

TP-2ME

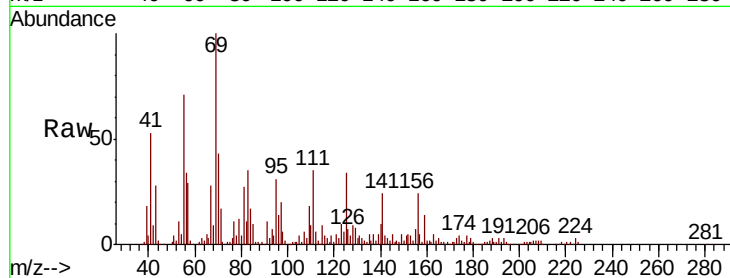
Tot Ion:156 Resp: 83908

Ion Ratio Lower Upper

156 100

77 0.0 91.7 275.1#

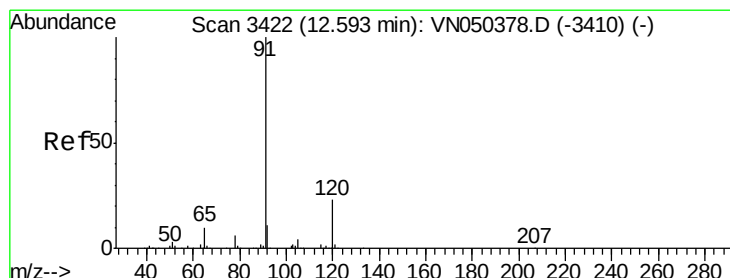
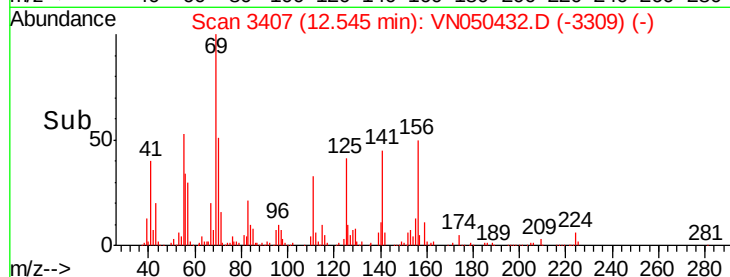
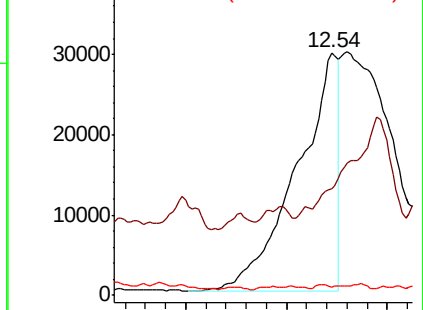
158 0.1 48.9 146.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 8.92 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050432.D

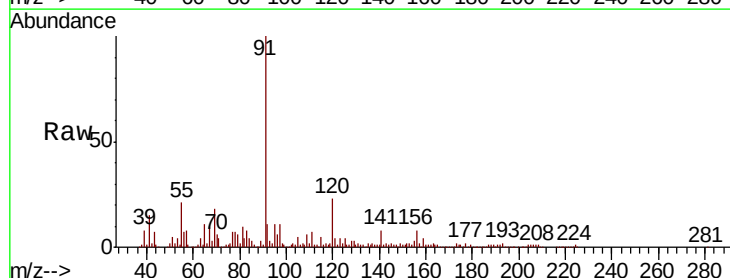
Acq: 7 Aug 2018 15:26

Tgt Ion: 91 Resp: 454556

Ion Ratio Lower Upper

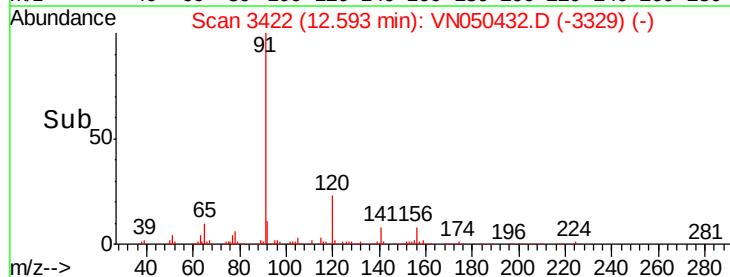
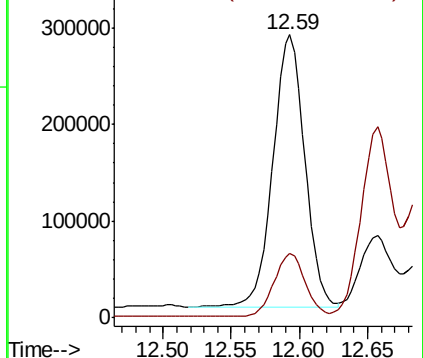
91 100

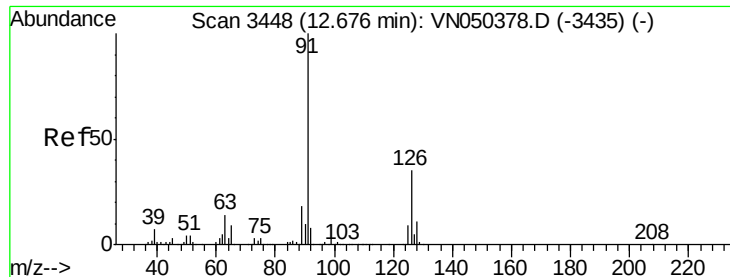
120 22.5 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 3.41 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

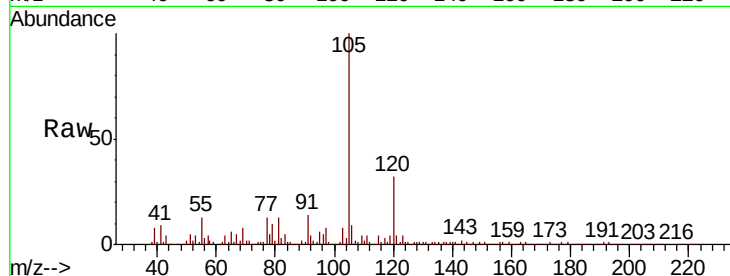
TP-2ME

Tot Ion: 91 Resp: 107337

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050378.D (-3435) (-)

150000

100000

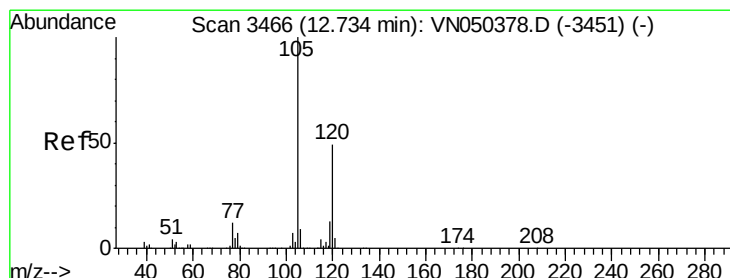
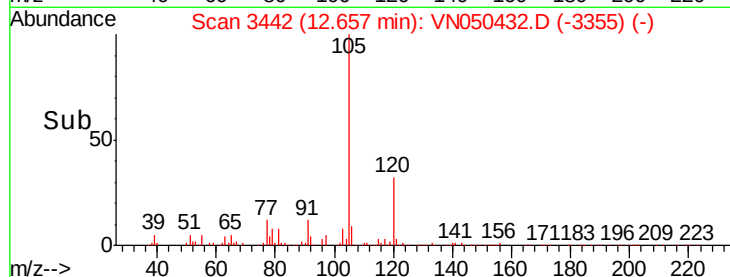
50000

0

12.66

12.65

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.20 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050432.D

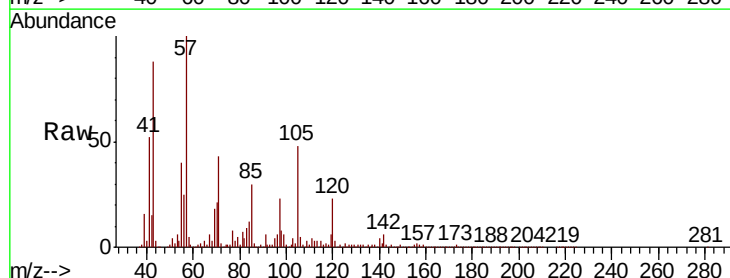
Acq: 7 Aug 2018 15:26

Tgt Ion: 105 Resp: 774462

Ion Ratio Lower Upper

105 100

120 47.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050378.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN050378.D (-3451) (-)

600000

400000

200000

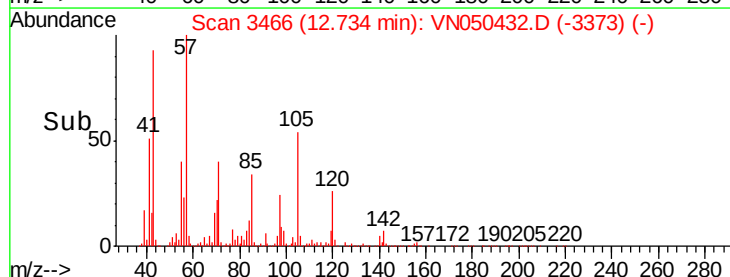
0

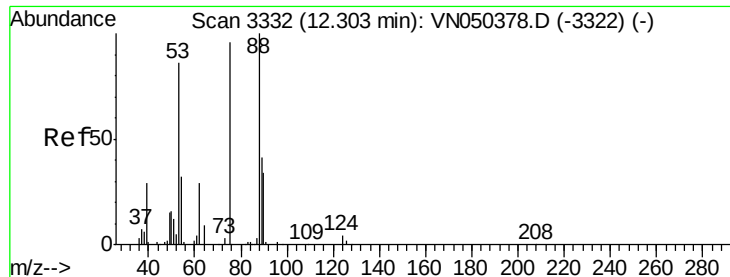
12.73

12.70

12.80

Time-->

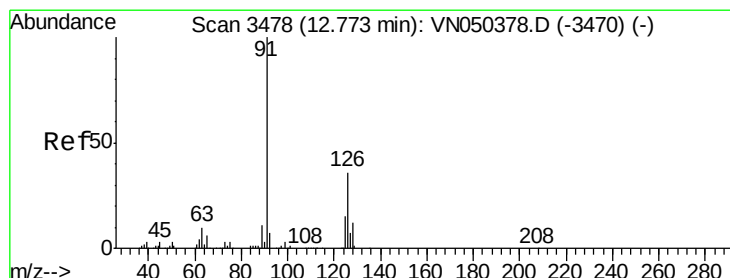
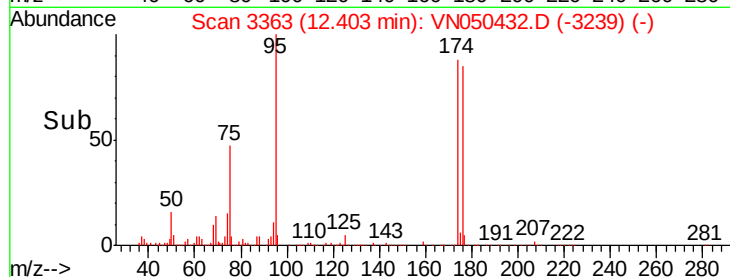
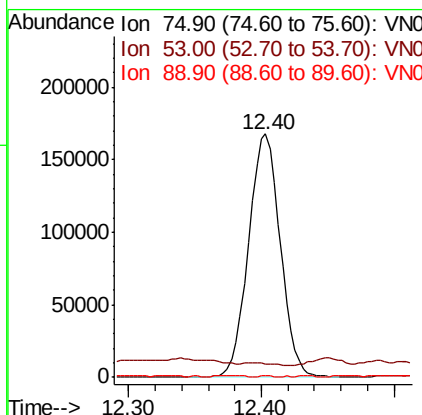
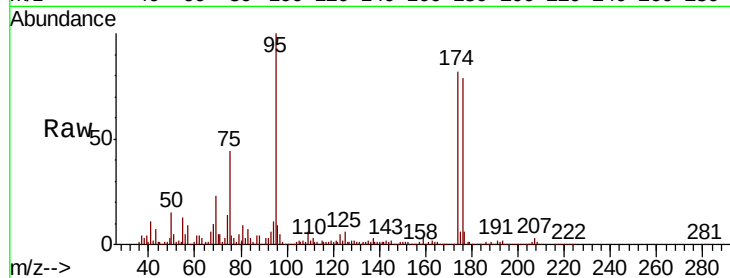




#81
trans-1,4-Dichloro-2-butene
Concen: 89.89 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

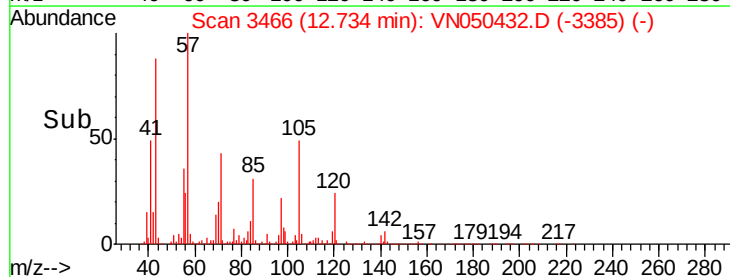
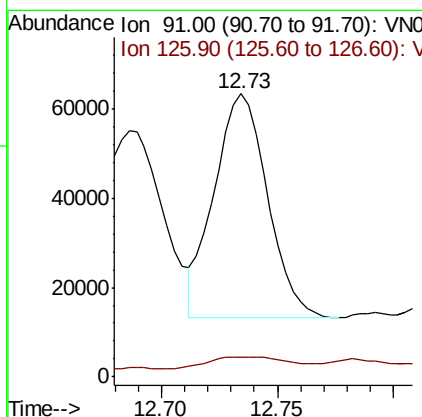
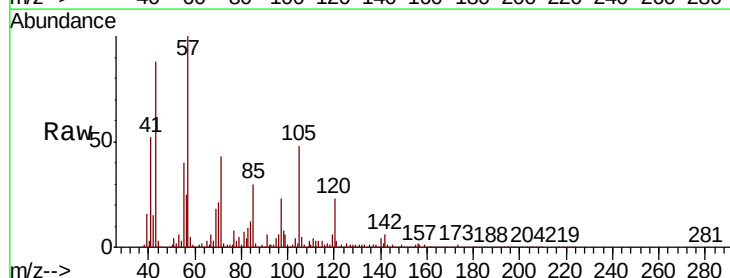
Instrument :
MSVOA_N
ClientSampleId :
TP-2ME

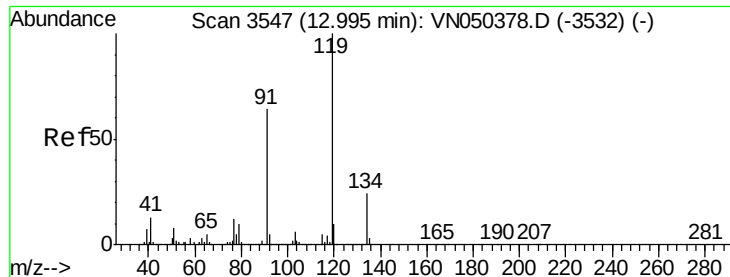
Tot Ion: 75 Resp: 277655
Ion Ratio Lower Upper
75 100
53 0.7 73.5 110.3#
89 0.4 36.0 54.0#



#82
4-Chlorotoluene
Concen: 2.55 ug/l
RT: 12.73 min Scan# 3466
Delta R.T. -0.04 min
Lab File: VN050432.D
Acq: 7 Aug 2018 15:26

Tgt Ion: 91 Resp: 80156
Ion Ratio Lower Upper
91 100
126 8.4 17.0 51.0#

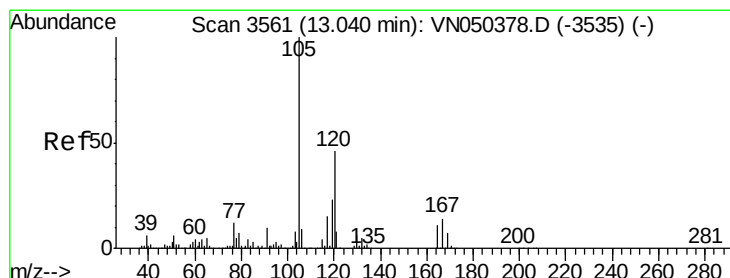
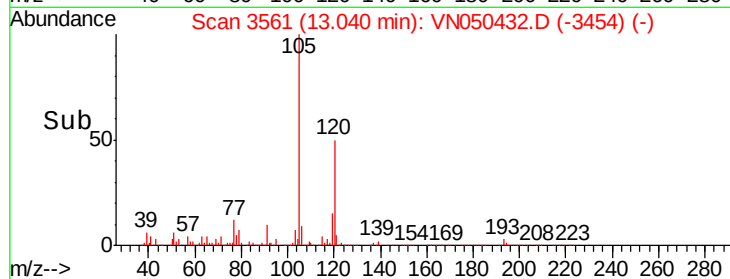
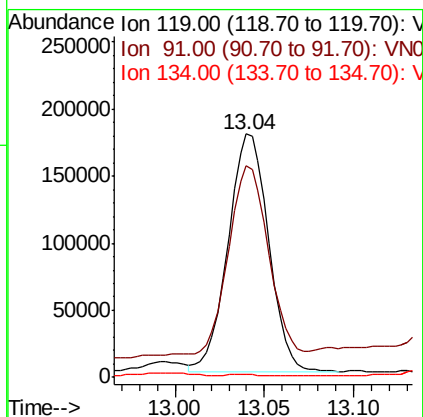
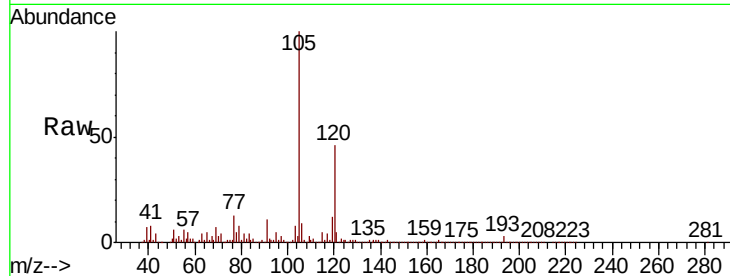




#83
 tert-Butylbenzene
 Concen: 8.78 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.04 min
 Lab File: VN050432.D
 Acq: 7 Aug 2018 15:26

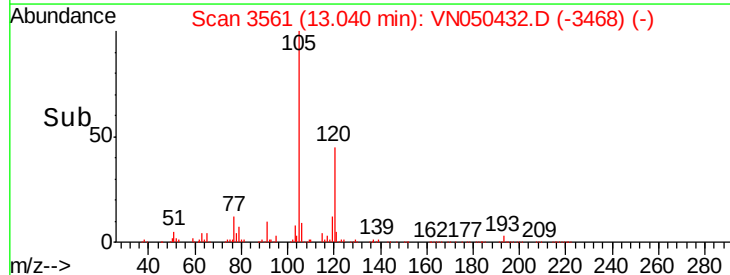
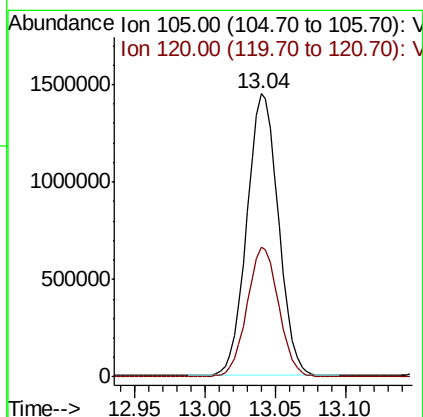
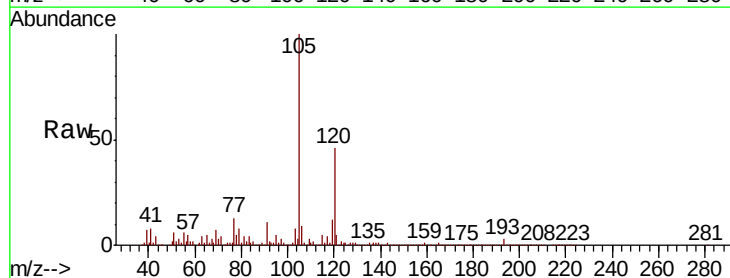
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2ME

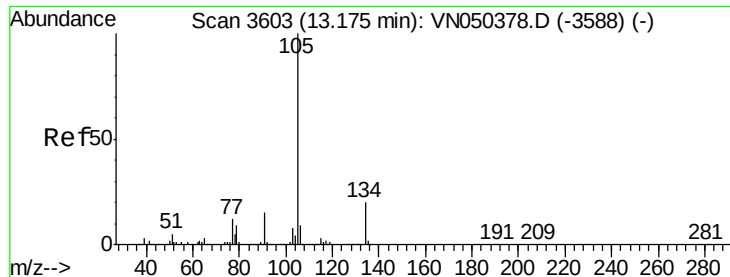
Tot Ion:119 Resp: 279725
 Ion Ratio Lower Upper
 119 100
 91 77.6 32.1 96.3
 134 0.0 13.2 39.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 61.39 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050432.D
 Acq: 7 Aug 2018 15:26

Tgt Ion:105 Resp: 2271998
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.7





#85

sec-Butylbenzene

Concen: 6.91 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

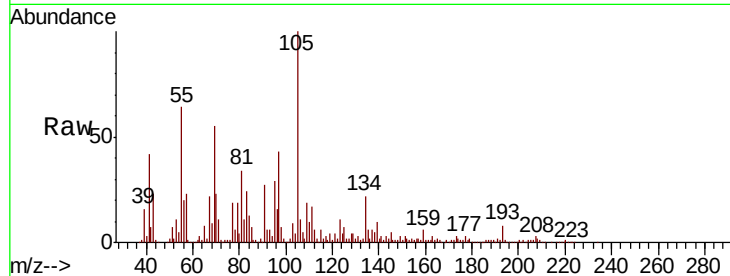
TP-2ME

Tot Ion:105 Resp: 293541

Ion Ratio Lower Upper

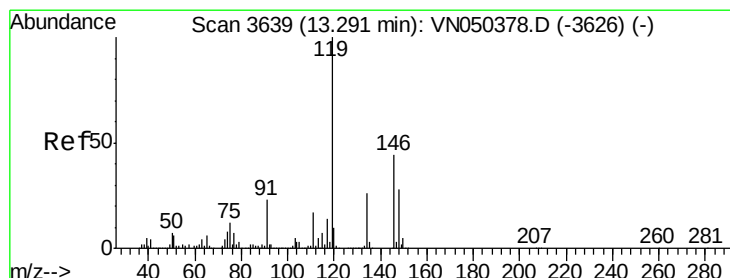
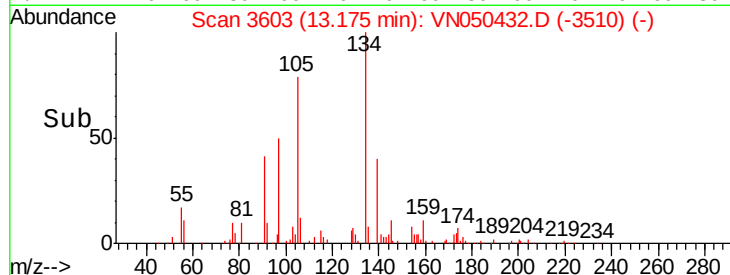
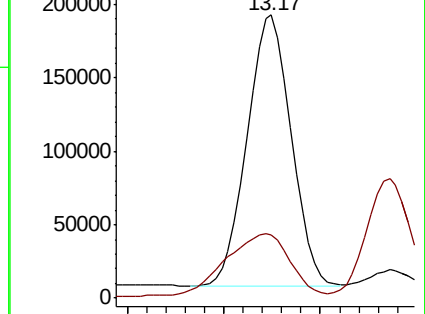
105 100

134 33.2 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 9.30 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

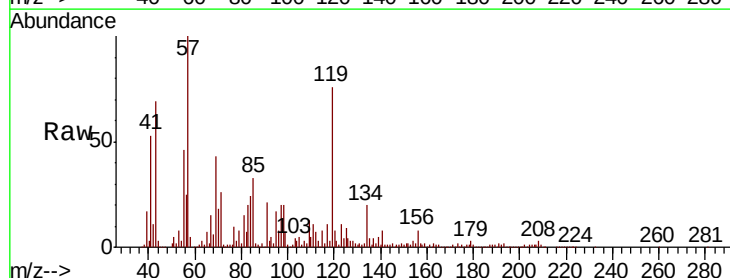
Tgt Ion:119 Resp: 338418

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

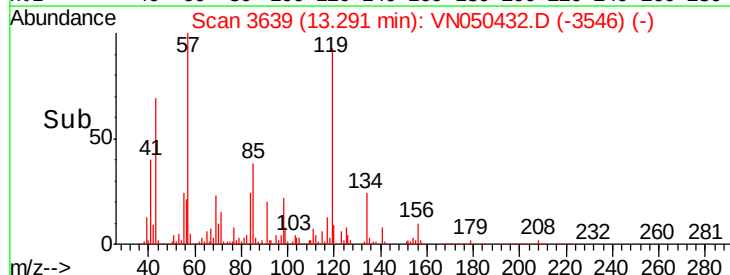
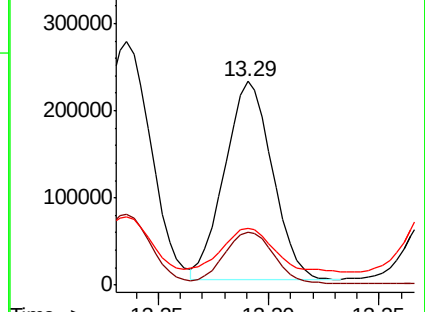
91 24.2 11.4 34.2

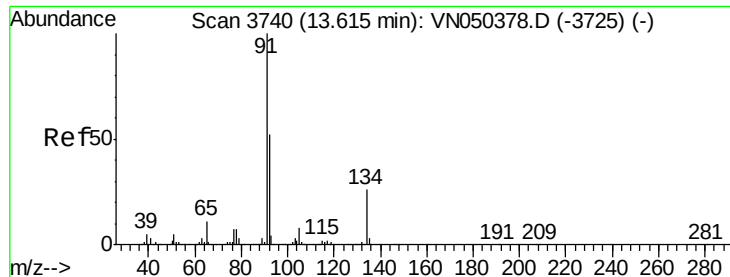


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 19.26 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

TP-2ME

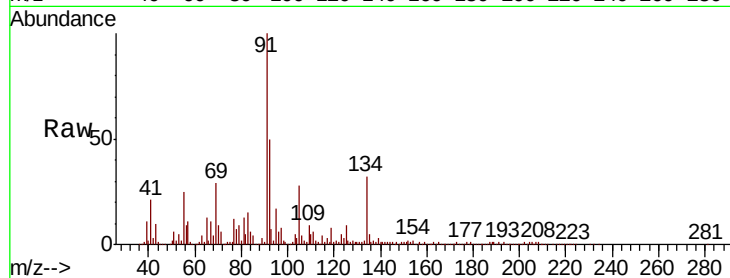
Tot Ion: 91 Resp: 596893

Ion Ratio Lower Upper

91 100

92 61.4 25.8 77.4

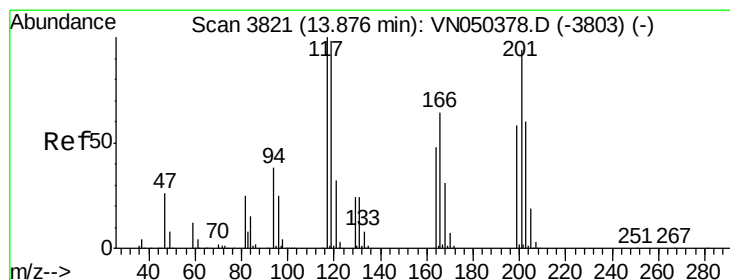
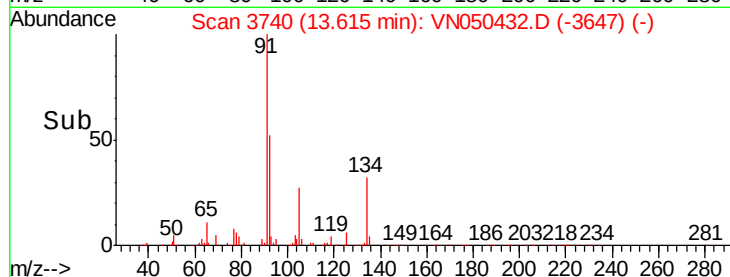
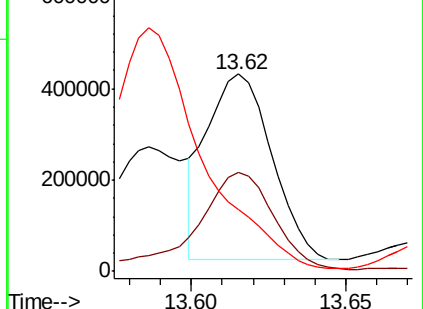
134 0.0 12.8 38.4#



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: 32.43 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN050432.D

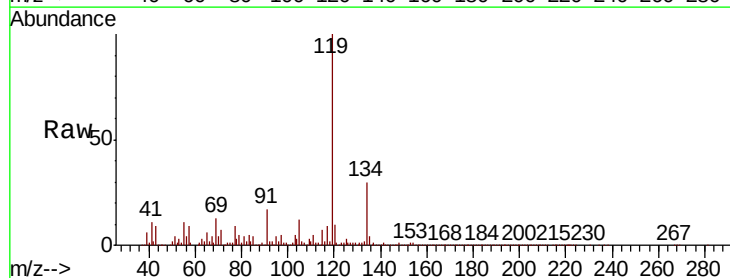
Acq: 7 Aug 2018 15:26

Tgt Ion: 117 Resp: 209906

Ion Ratio Lower Upper

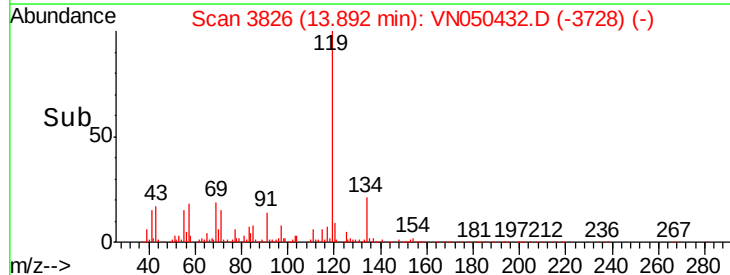
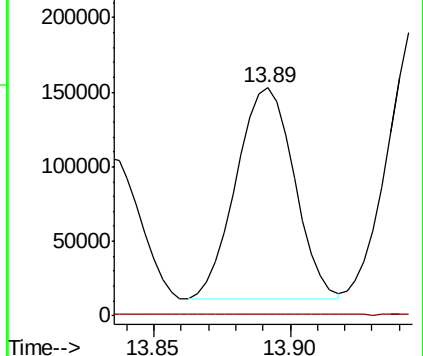
117 100

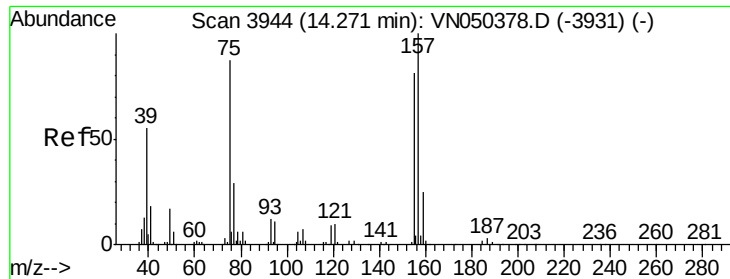
201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.99 ug/l

RT: 14.30 min Scan# 3952

Delta R.T. 0.03 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

TP-2ME

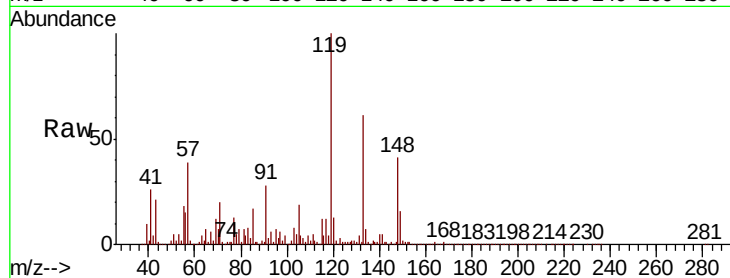
Tot Ion: 75 Resp: 13211

Ion Ratio Lower Upper

75 100

155 25.1 44.8 134.4#

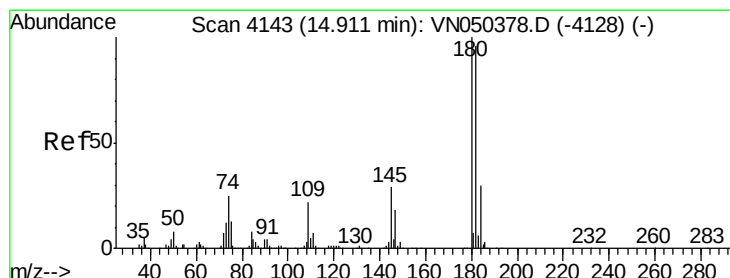
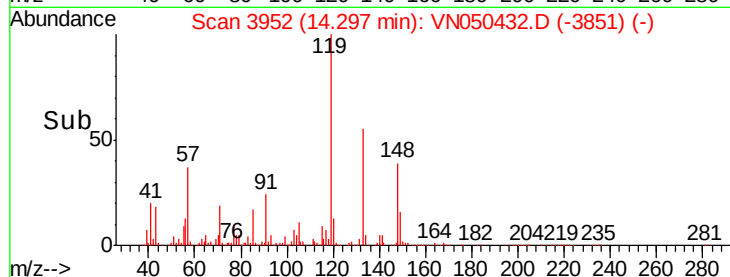
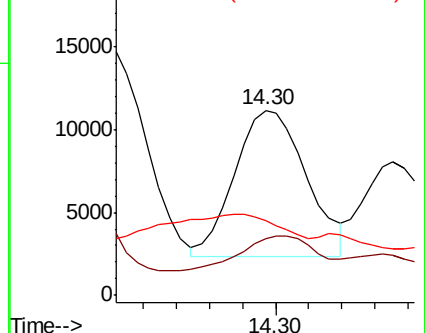
157 27.0 57.2 171.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 0.37 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. -0.00 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

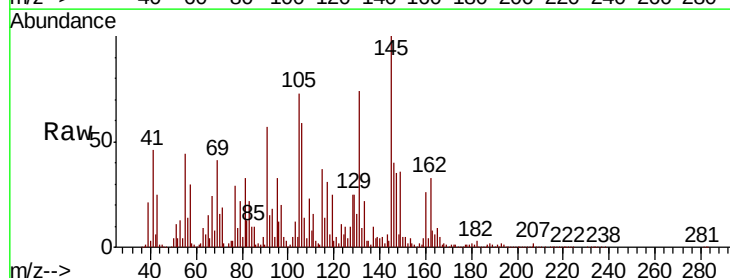
Tgt Ion: 180 Resp: 4037

Ion Ratio Lower Upper

180 100

182 368.1 46.7 140.1#

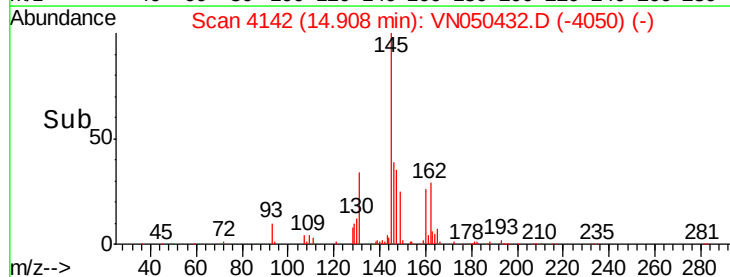
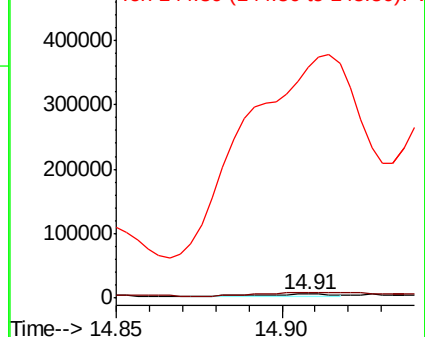
145 24284.1 13.8 41.4#

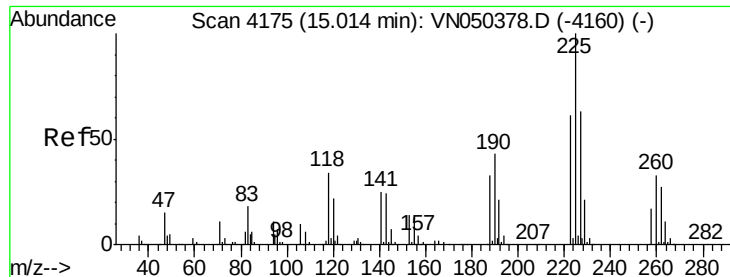


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4176

Delta R.T. 0.00 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

TP-2ME

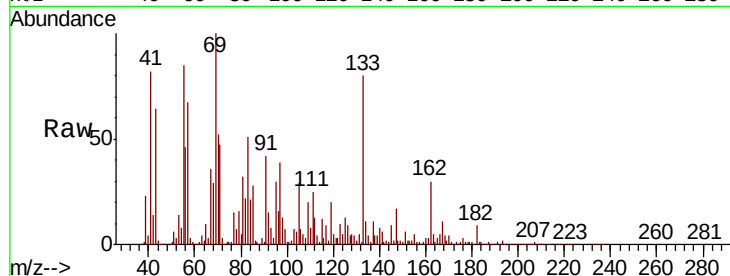
Tot Ion:225 Resp: 32

Ion Ratio Lower Upper

225 100

223 0.0 31.4 94.2#

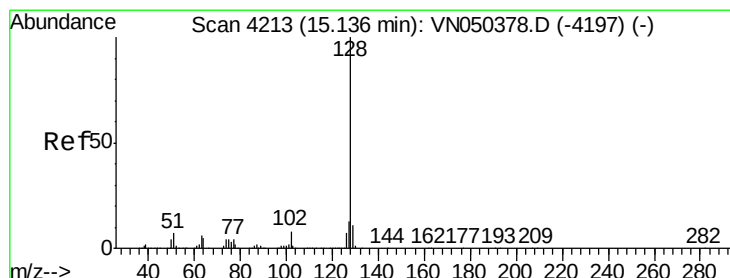
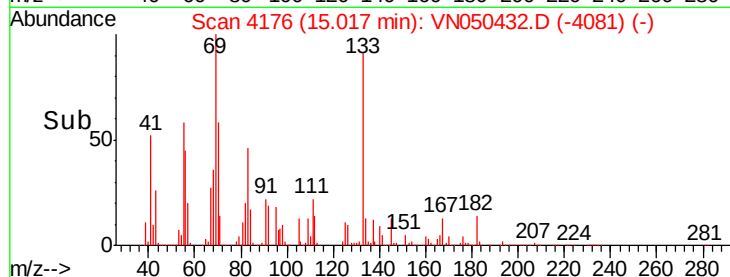
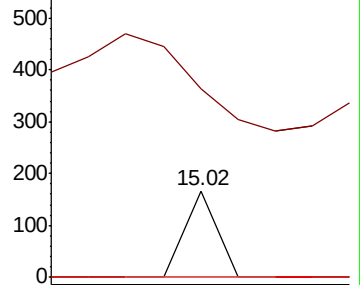
227 0.0 32.1 96.5#



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: 82.90 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

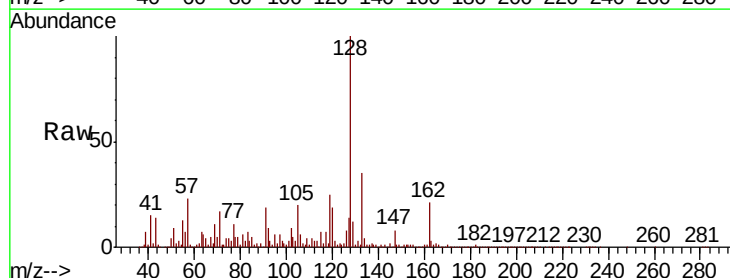
Tgt Ion:128 Resp: 2481152

Ion Ratio Lower Upper

128 100

127 14.5 10.4 15.6

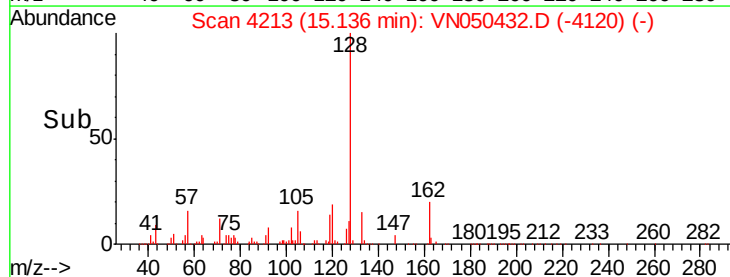
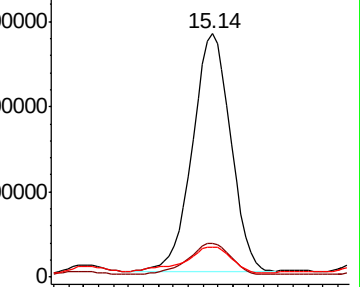
129 13.3 8.8 13.2#

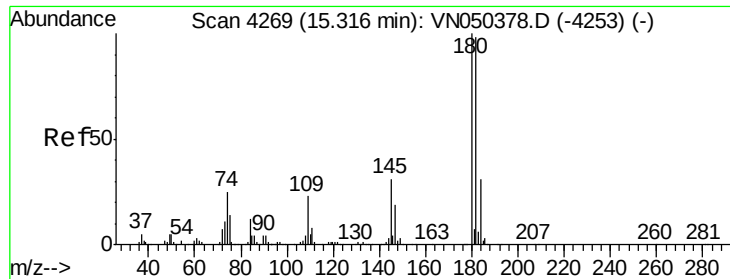


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.92 ug/l

RT: 15.34 min Scan# 4277

Delta R.T. 0.03 min

Lab File: VN050432.D

Acq: 7 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

TP-2ME

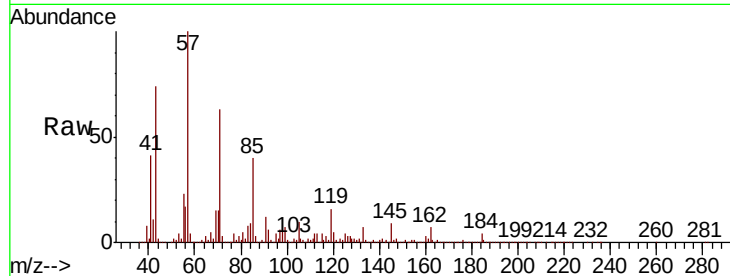
Tot Ion:180 Resp: 10203

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.4#

145 7452.7 15.3 45.9#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

