

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050435.D
 Acq On : 7 Aug 2018 16:40
 Operator : MD\SY
 Sample : J4297-03 5X
 Misc : 6.14g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Quant Time: Aug 08 05:25:33 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	7.67	168	866095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1294453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1159778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	589493	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	502195	43.40	ug/l	0.00
Spiked Amount			Recovery	=	86.80%	
35) Dibromofluoromethane	7.59	113	459089	44.20	ug/l	0.00
Spiked Amount			Recovery	=	88.40%	
50) Toluene-d8	10.09	98	1856339	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
62) 4-Bromofluorobenzene	12.40	95	625665	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	5566	Below Cal		100
5) Bromomethane	2.55	94	10328	1.88 ug/l		99
10) Methyl Iodide	3.95	142	1996	0.46 ug/l #		80
13) Acrolein	3.60	56	186	15.17 ug/l #		15
16) Acetone	3.82	43	9138	2.29 ug/l		94
18) Methyl Acetate	4.34	43	7137	0.61 ug/l		100
20) Methylene Chloride	4.55	84	3942	Below Cal		86
31) Cyclohexane	7.65	56	54043	2.66 ug/l #		71
36) 1,1-Dichloropropene	7.67	75	57637	4.05 ug/l #		49
38) Carbon Tetrachloride	7.67	117	76314	5.14 ug/l #		16
39) Methylcyclohexane	9.08	83	199946	12.88 ug/l		96
40) Benzene	8.04	78	23989	0.55 ug/l		96
43) Isopropyl Acetate	8.15	43	6365	0.36 ug/l #		61
48) Methyl methacrylate	9.15	41	6811	0.77 ug/l #		28
51) 4-Methyl-2-Pentanone	10.09	43	15628	1.23 ug/l #		22
52) Toluene	10.16	92	229672	8.74 ug/l		98
55) 1,1,2-Trichloroethane	10.53	97	30446	2.97 ug/l #		20
56) Ethyl methacrylate	10.43	69	18254	2.93 ug/l #		34
58) 2-Chloroethyl Vinyl ether	9.71	63	137	7.41 ug/l #		1
59) 2-Hexanone	10.72	43	91899	10.34 ug/l #		28
67) Ethyl Benzene	11.51	91	616560	13.12 ug/l		100
68) m/p-Xylenes	11.62	106	578712	32.34 ug/l		98
69) o-Xylene	11.95	106	276826	16.06 ug/l		98
70) Styrene	11.95	104	17429	0.62 ug/l #		1
73) Isopropylbenzene	12.25	105	154466	3.49 ug/l		100
74) N-amyl acetate	12.05	43	112967	7.88 ug/l #		57
75) 1,1,2,2-Tetrachloroethane	12.45	83	6363	0.50 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	292032	27.37 ug/l #		100
77) Bromobenzene	12.55	156	206428	17.41 ug/l #		1
78) n-propylbenzene	12.59	91	389971	7.79 ug/l		99
79) 2-Chlorotoluene	12.66	91	120324	3.89 ug/l #		41
80) 1,3,5-Trimethylbenzene	12.73	105	739259	20.58 ug/l		92
81) trans-1,4-Dichloro-2-buten	12.40	75	292032	96.16 ug/l #		13
82) 4-Chlorotoluene	12.73	91	82731	2.68 ug/l #		48

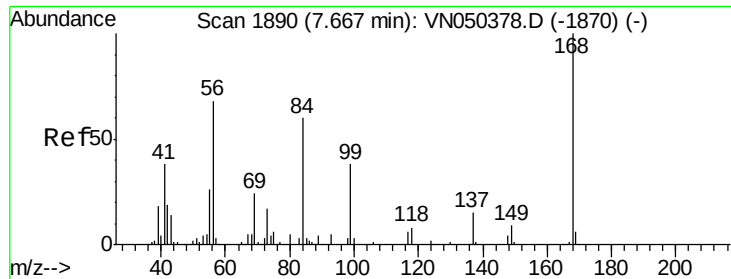
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080718\
 Data File : VN050435.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.04	119	292693	9.34	ug/l #	74
84) 1,2,4-Trimethylbenzene	13.04	105	2374591	65.26	ug/l	100
85) sec-Butylbenzene	13.17	105	185214	4.43	ug/l #	70
86) p-Isopropyltoluene	13.29	119	190610	5.33	ug/l	98
89) n-Butylbenzene	13.62	91	303952	9.97	ug/l #	73
90) Hexachloroethane	13.89	117	106881	16.79	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.30	75	5719	2.64	ug/l #	23
93) 1,2,4-Trichlorobenzene	14.91	180	2880	0.27	ug/l #	1
94) Hexachlorobutadiene	15.02	225	63	Below	Cal #	1
95) Naphthalene	15.14	128	2712056	91.76	ug/l	99
96) 1,2,3-Trichlorobenzene	15.34	180	6328	0.58	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

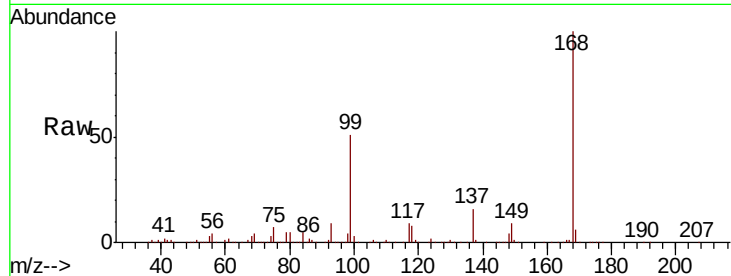
Instrument :
MSVOA_N
ClientSampled :
TP-3

Tot Ion:168 Resp: 866095

Ion Ratio Lower Upper

168 100

99 51.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

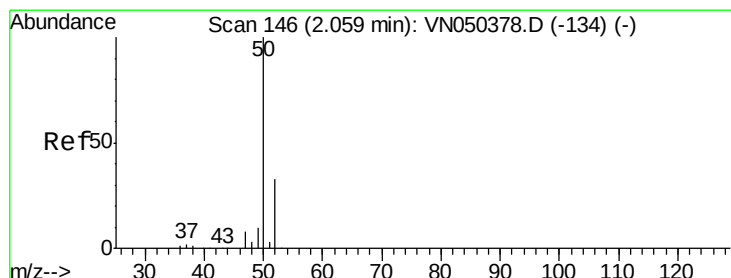
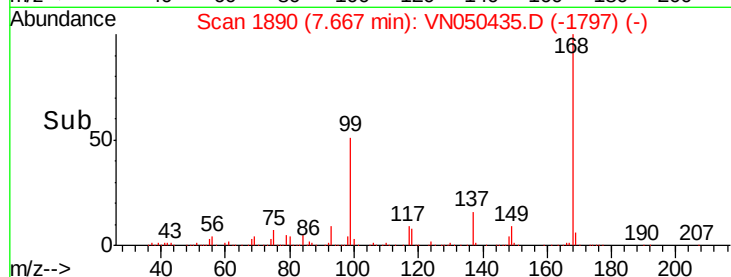
200000

100000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050435.D

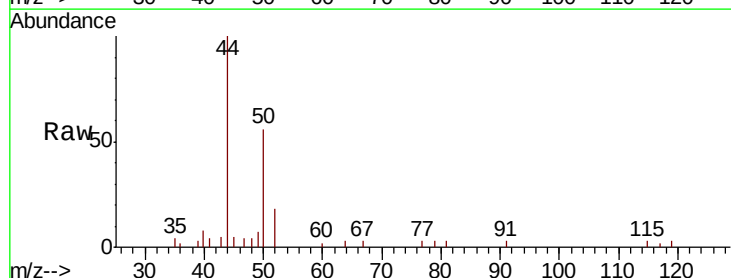
Acq: 7 Aug 2018 16:40

Tgt Ion: 50 Resp: 5566

Ion Ratio Lower Upper

50 100

52 32.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

4000

3000

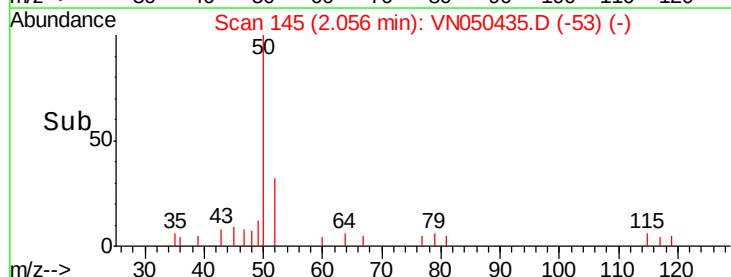
2000

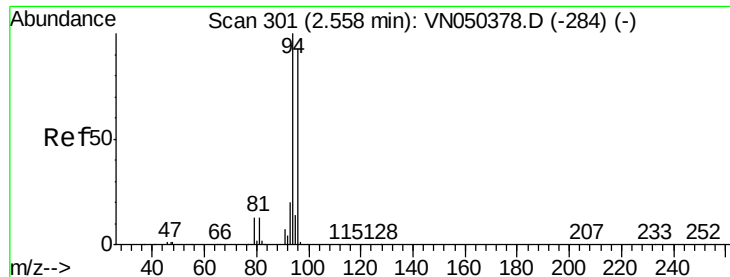
1000

0

2.00 2.05 2.10

Time-->





#5

Bromomethane

Concen: 1.88 ug/l

RT: 2.55 min Scan# 298

Delta R.T. -0.01 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Instrument :

MSVOA_N

ClientSampled :

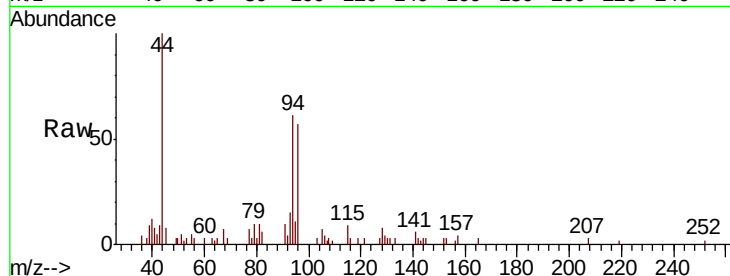
TP-3

Tot Ion: 94 Resp: 10328

Ion Ratio Lower Upper

94 100

96 94.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

4000

3000

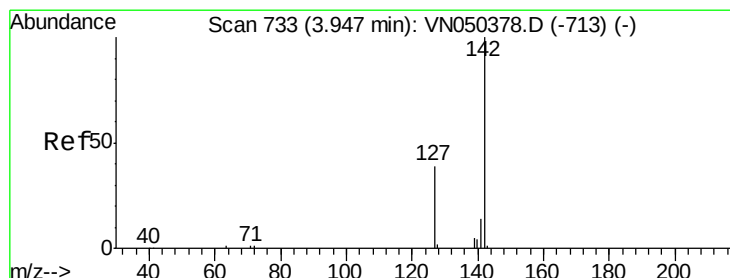
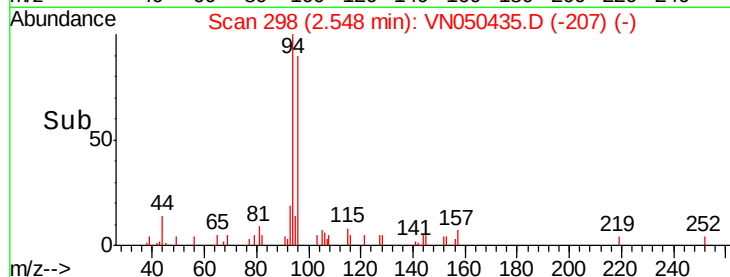
2000

1000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#10

Methyl Iodide

Concen: 0.46 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

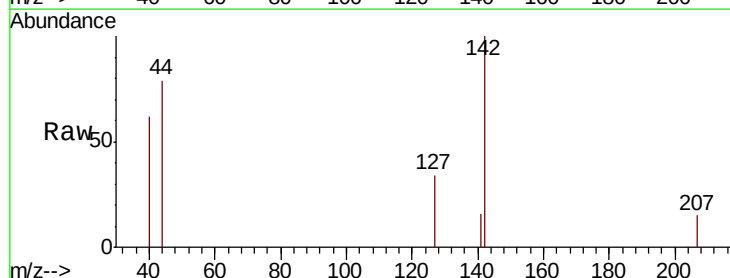
Tgt Ion:142 Resp: 1996

Ion Ratio Lower Upper

142 100

127 58.0 33.4 50.2#

141 12.3 11.6 17.4



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

1500

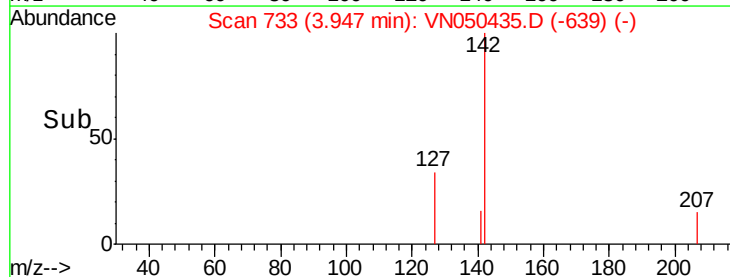
1000

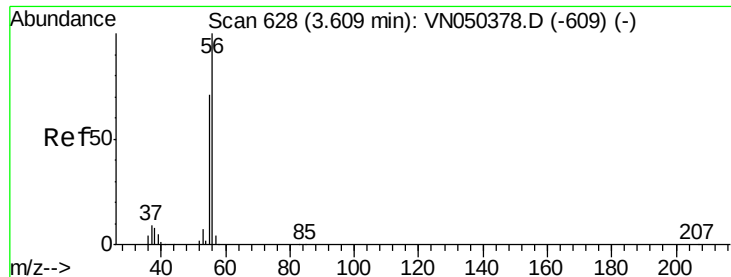
500

0

Time-->

3.90 3.92 3.94 3.96





#13

Acrolein

Concen: 15.17 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.01 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Instrument :

MSVOA_N

ClientSampled :

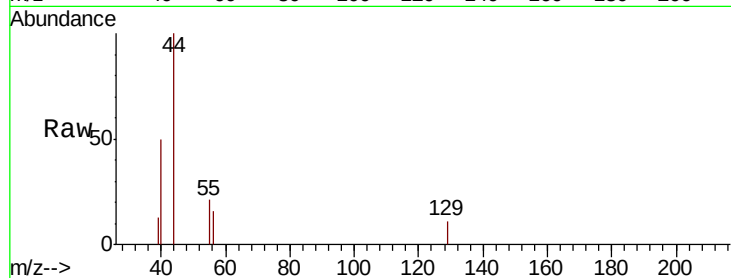
TP-3

Tot Ion: 56 Resp: 186

Ion Ratio Lower Upper

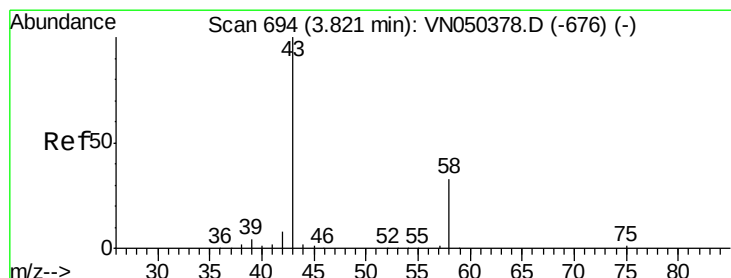
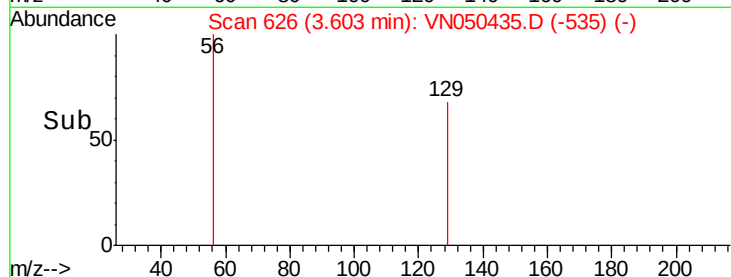
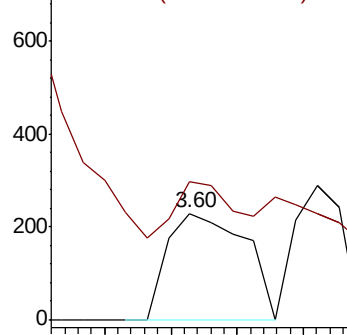
56 100

55 0.0 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 2.29 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050435.D

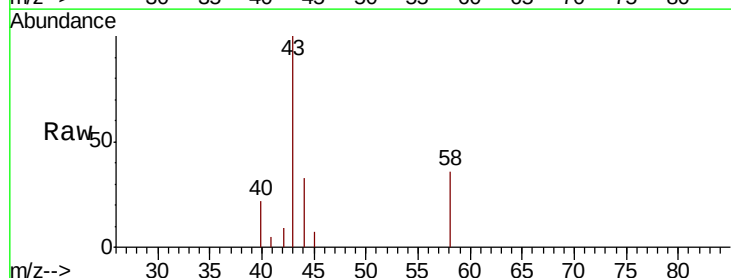
Acq: 7 Aug 2018 16:40

Tgt Ion: 43 Resp: 9138

Ion Ratio Lower Upper

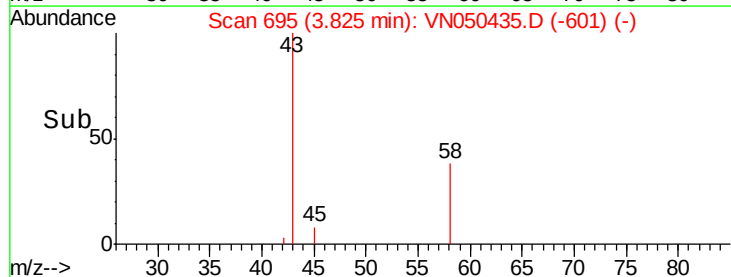
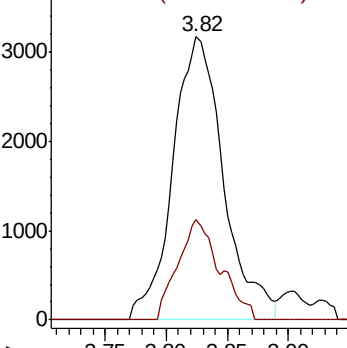
43 100

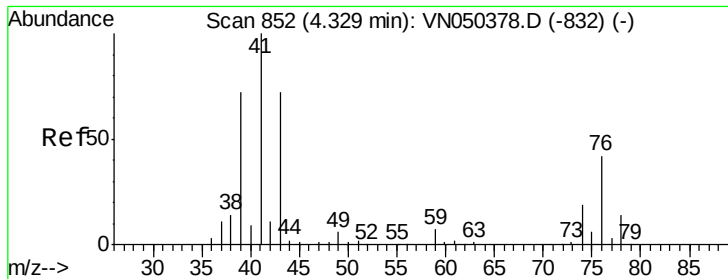
58 35.6 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

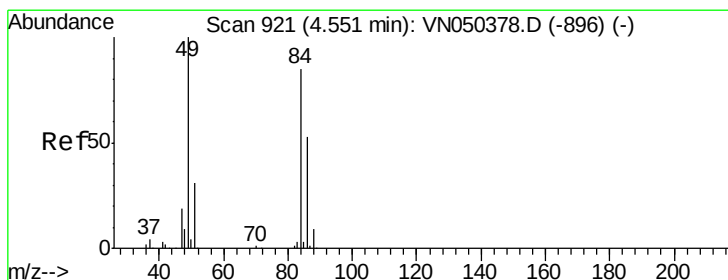
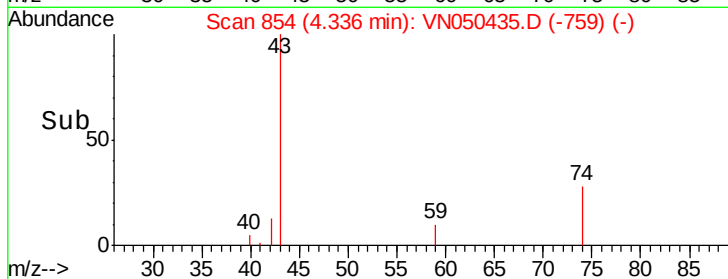
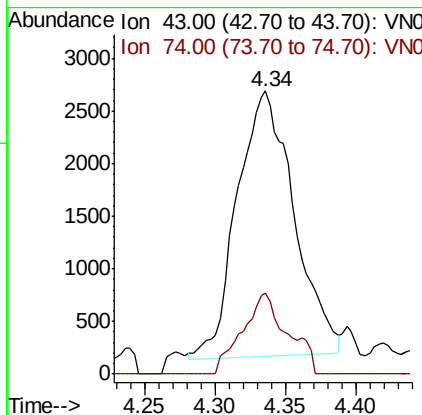
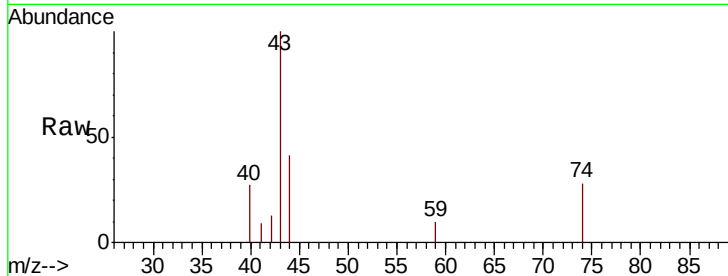




#18
Methyl Acetate
Concen: 0.61 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050435.D
Acq: 7 Aug 2018 16:40

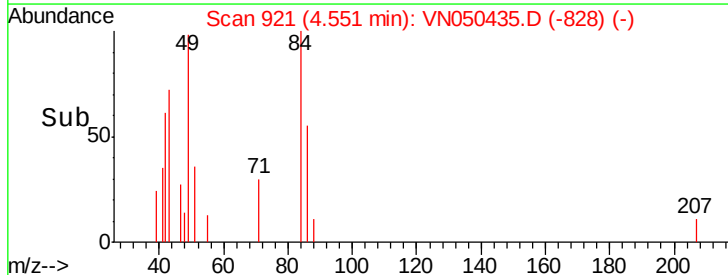
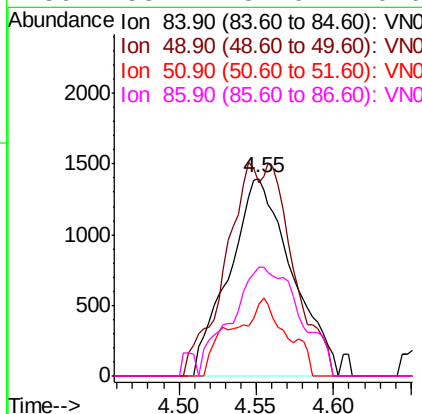
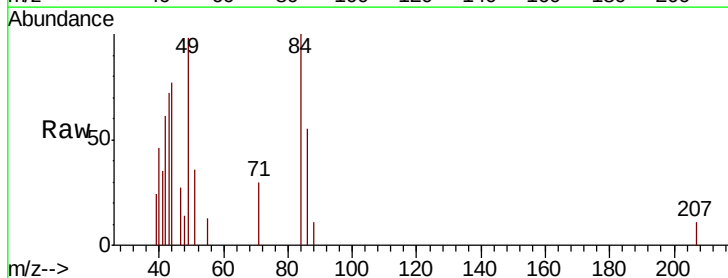
Instrument :
MSVOA_N
ClientSampleId :
TP-3

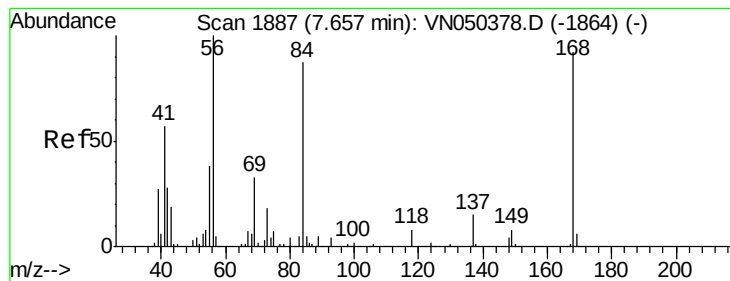
Tot Ion: 43 Resp: 7137
Ion Ratio Lower Upper
43 100
74 23.9 19.2 28.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050435.D
Acq: 7 Aug 2018 16:40

Tgt Ion: 84 Resp: 3942
Ion Ratio Lower Upper
84 100
49 98.0 94.8 142.2
51 36.4 28.3 42.5
86 55.2 51.0 76.6





#31

Cyclohexane

Concen: 2.66 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Instrument :

MSVOA_N

ClientSampled :

TP-3

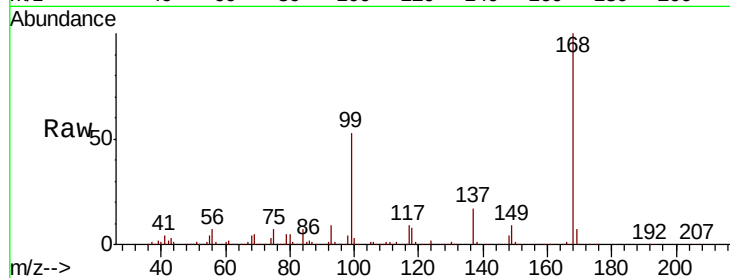
Tot Ion: 56 Resp: 54043

Ion Ratio Lower Upper

56 100

69 71.2 26.2 39.4#

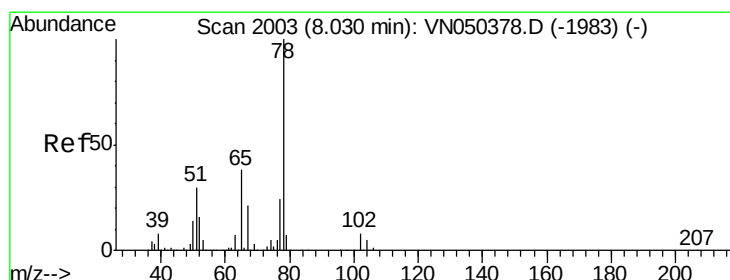
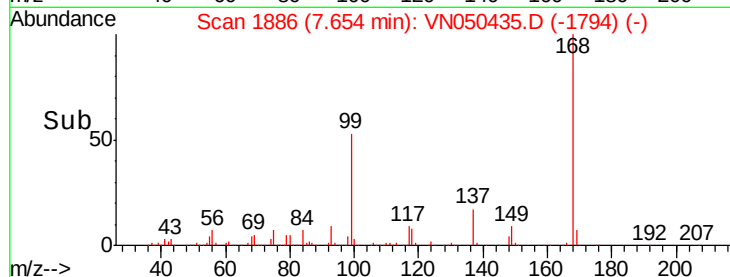
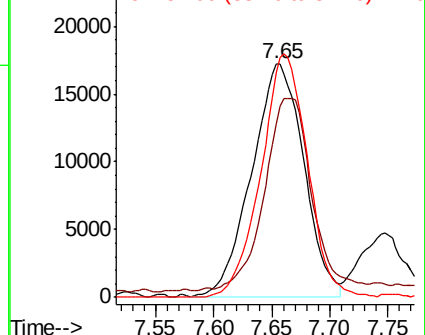
84 96.2 67.4 101.0



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: 43.40 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050435.D

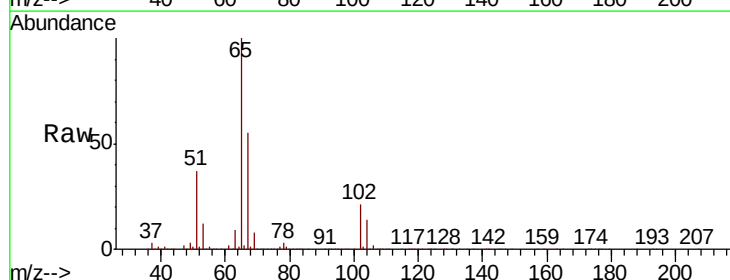
Acq: 7 Aug 2018 16:40

Tgt Ion: 65 Resp: 502195

Ion Ratio Lower Upper

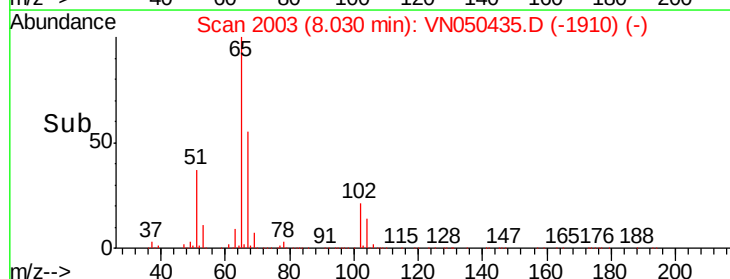
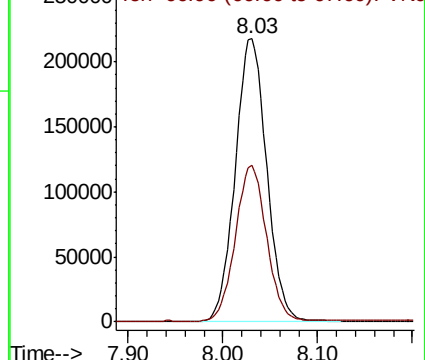
65 100

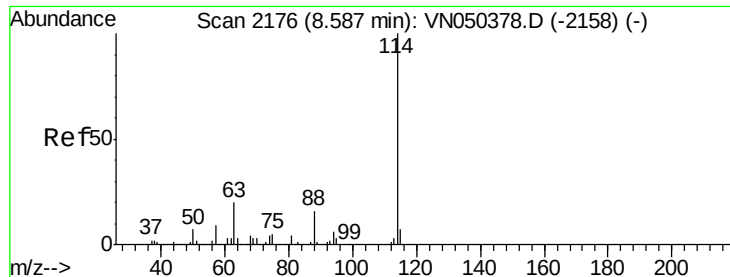
67 54.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

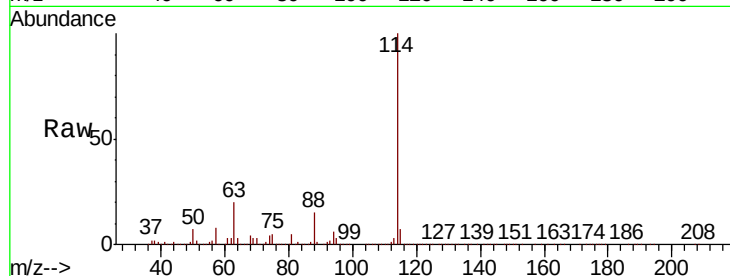




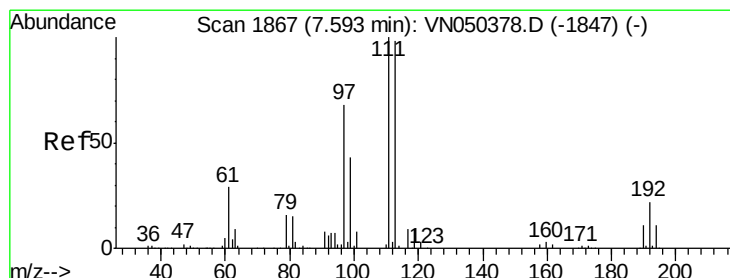
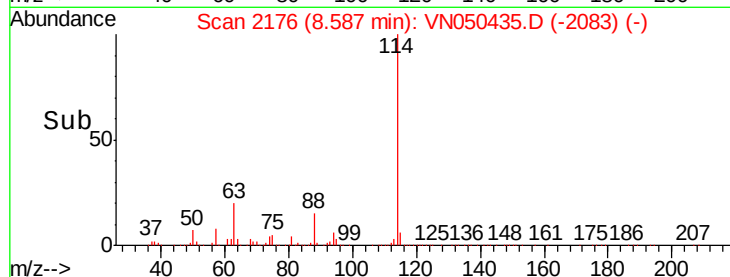
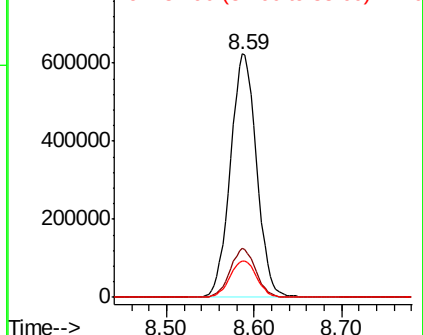
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050435.D
 Acq: 7 Aug 2018 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Tot Ion:114 Resp: 1294453
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.1 0.0 31.2

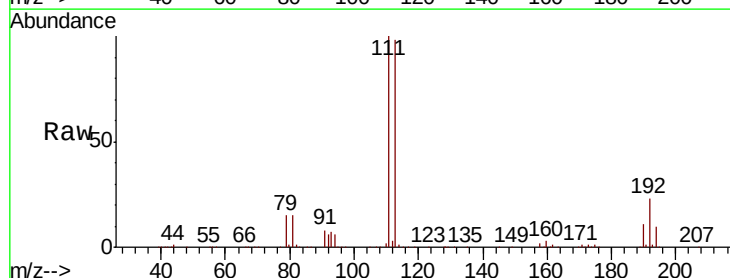


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

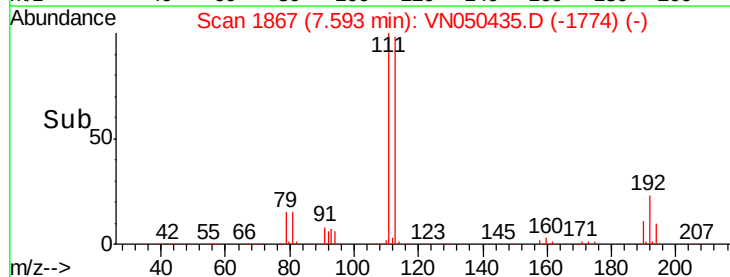
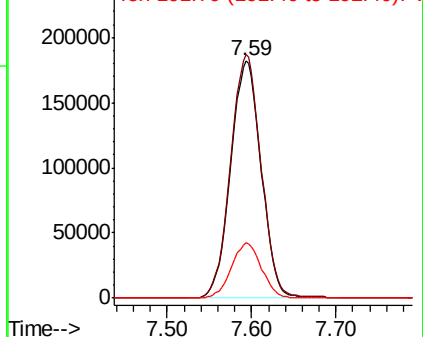


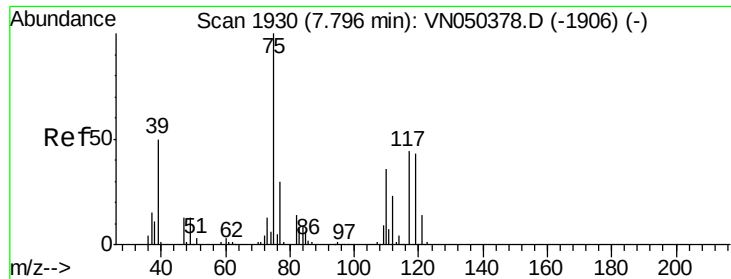
#35
 Dibromofluoromethane
 Concen: 44.20 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050435.D
 Acq: 7 Aug 2018 16:40

Tgt Ion:113 Resp: 459089
 Ion Ratio Lower Upper
 113 100
 111 102.8 80.7 121.1
 192 22.9 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

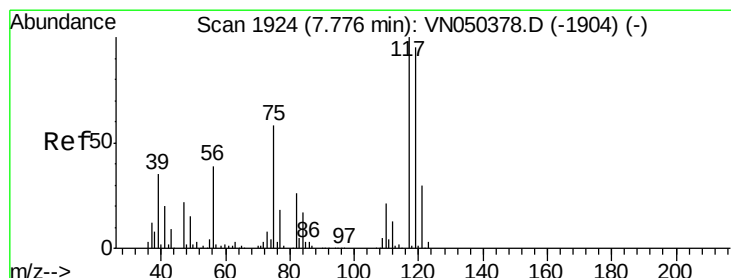
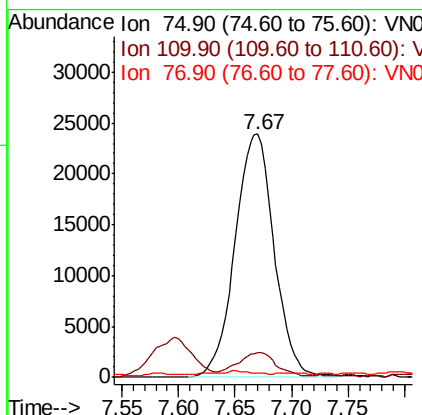
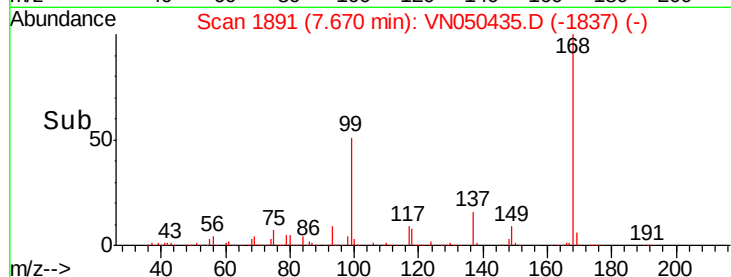
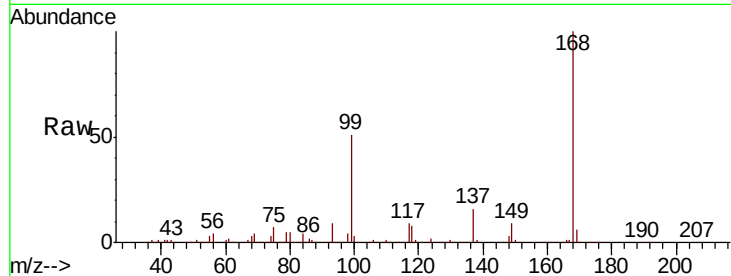




#36
 1,1-Dichloropropene
 Concen: 4.05 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050435.D
 Acq: 7 Aug 2018 16:40

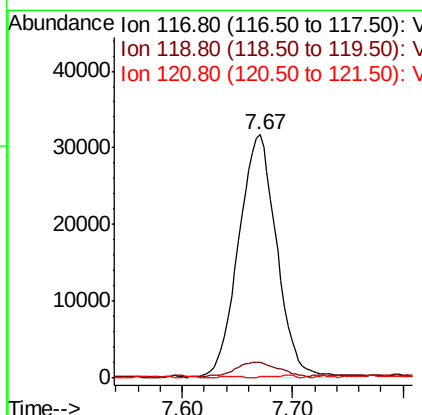
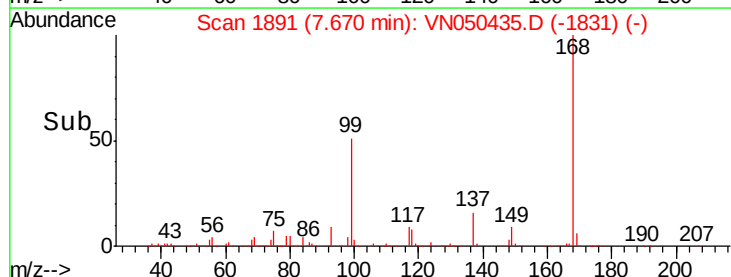
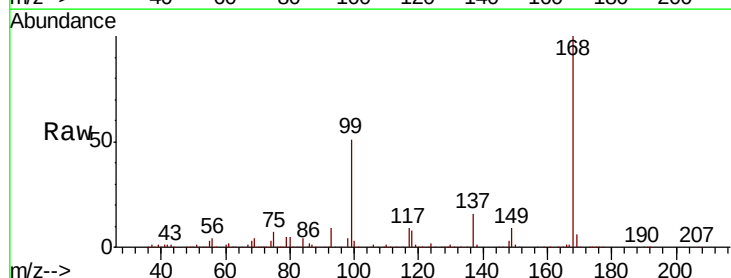
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

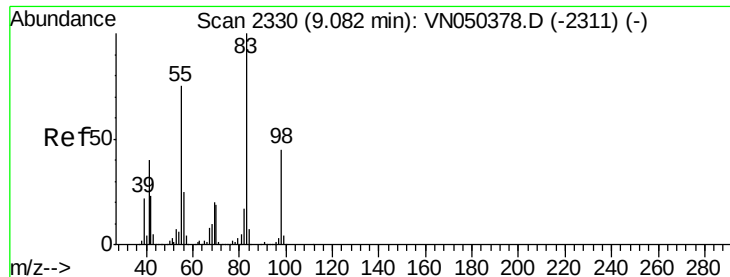
Tot Ion: 75 Resp: 57637
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.14 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050435.D
 Acq: 7 Aug 2018 16:40

Tgt Ion: 117 Resp: 76314
 Ion Ratio Lower Upper
 117 100
 119 5.6 77.4 116.0#
 121 0.7 23.9 35.9#

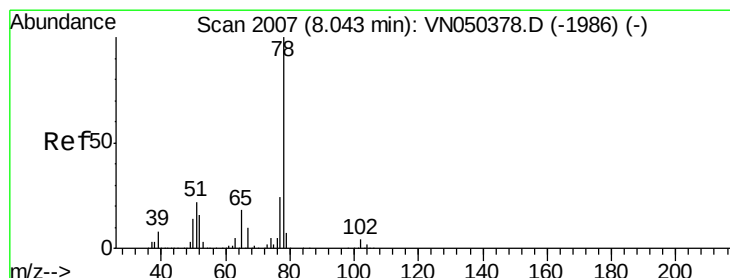
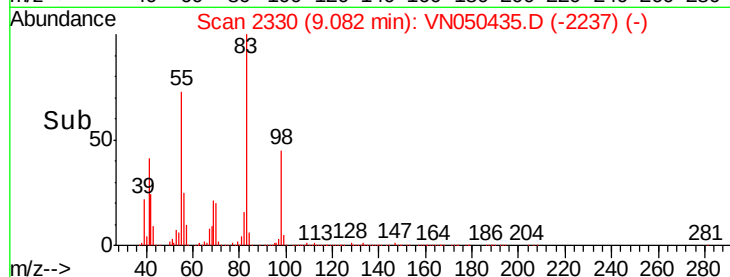
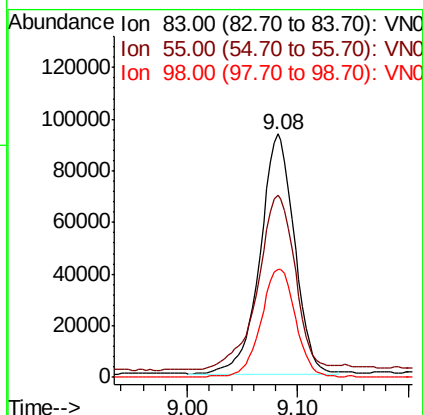
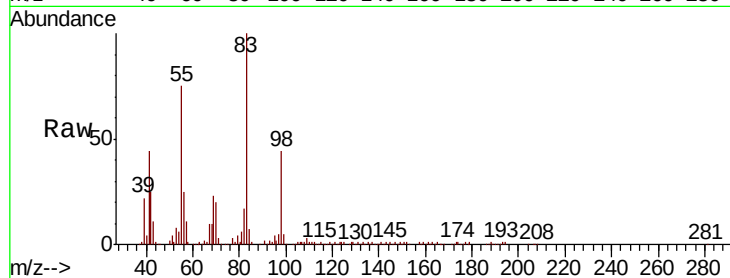




#39
Methylvlcyclohexane
Concen: 12.88 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050435.D
Acq: 7 Aug 2018 16:40

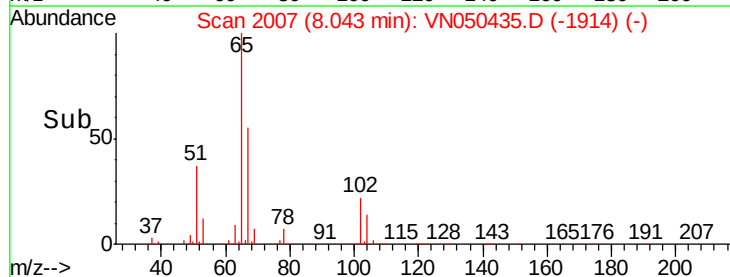
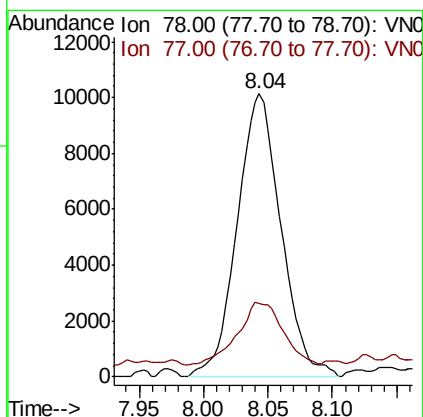
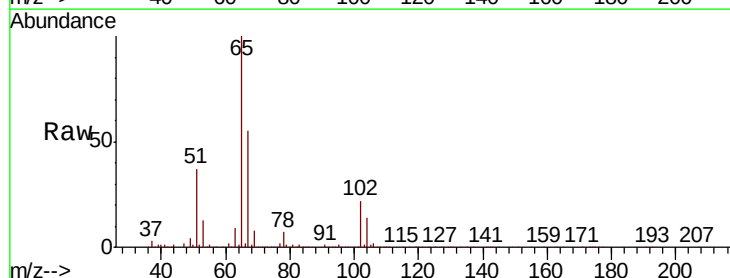
Instrument :
MSVOA_N
ClientSampleId :
TP-3

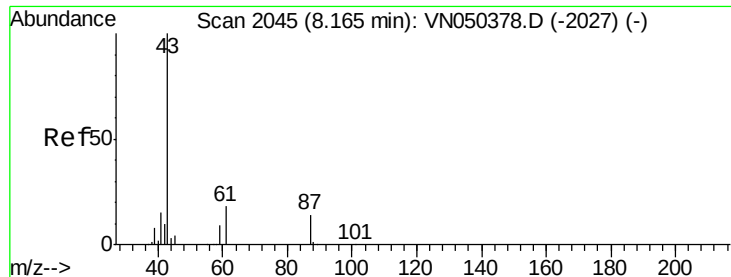
Tot Ion: 83 Resp: 199946
Ion Ratio Lower Upper
83 100
55 72.6 61.8 92.8
98 45.0 36.5 54.7



#40
Benzene
Concen: 0.55 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050435.D
Acq: 7 Aug 2018 16:40

Tgt Ion: 78 Resp: 23989
Ion Ratio Lower Upper
78 100
77 21.5 18.7 28.1





#43

Isopropyl Acetate

Concen: 0.36 ug/l

RT: 8.15 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

TP-3

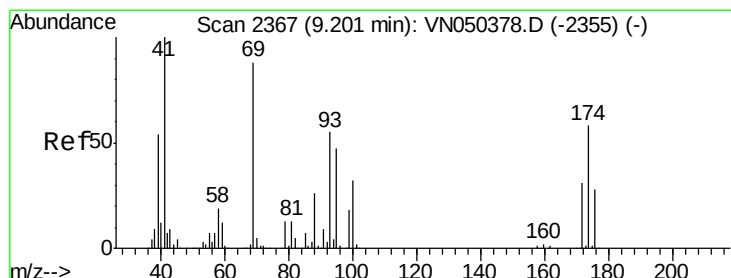
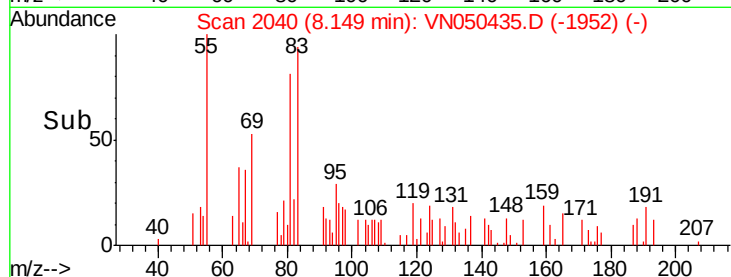
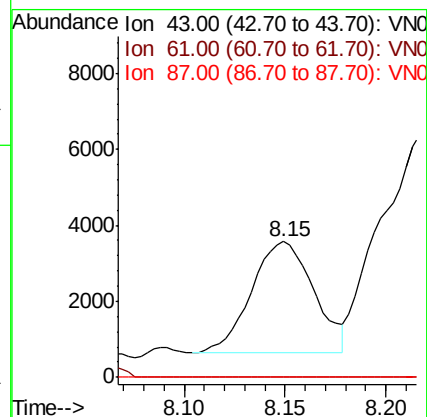
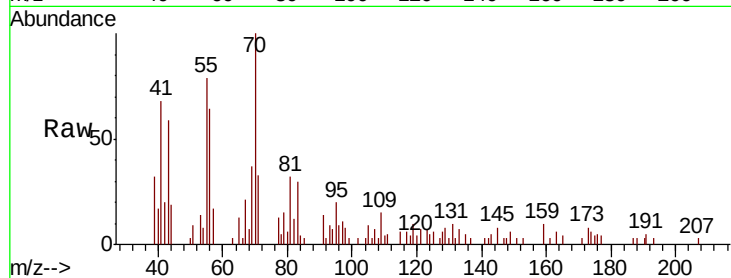
Tot Ion: 43 Resp: 6365

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

87 0.0 10.3 15.5#



#48

Methyl methacrylate

Concen: 0.77 ug/l

RT: 9.15 min Scan# 2350

Delta R.T. -0.05 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

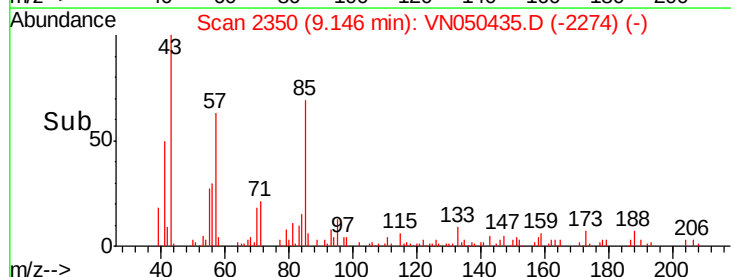
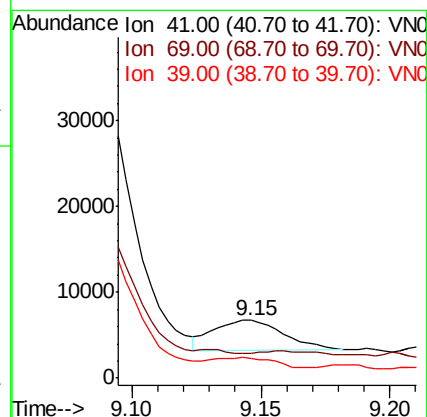
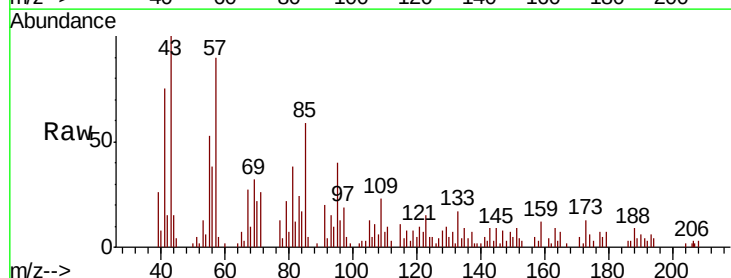
Tgt Ion: 41 Resp: 6811

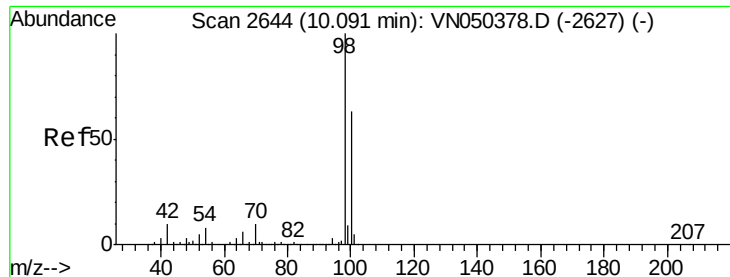
Ion Ratio Lower Upper

41 100

69 0.0 70.6 105.8#

39 29.4 43.9 65.9#





#50

Toluene-d8

Concen: 47.53 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

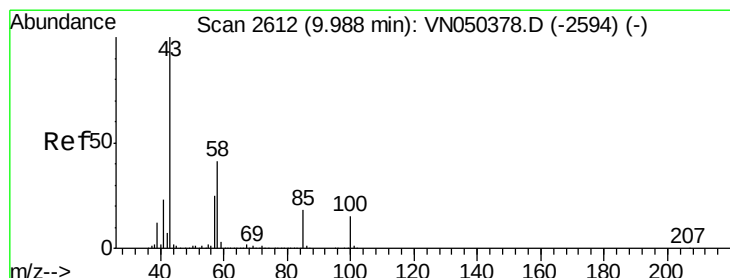
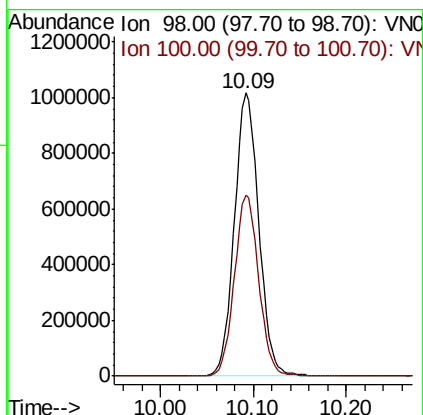
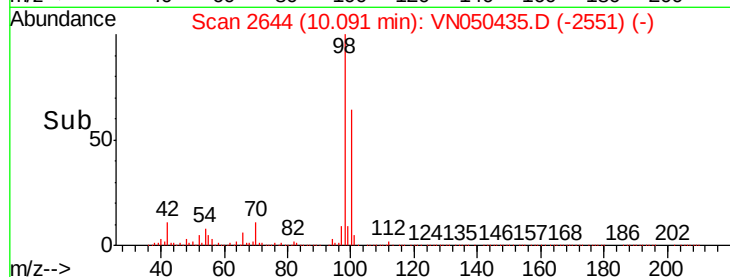
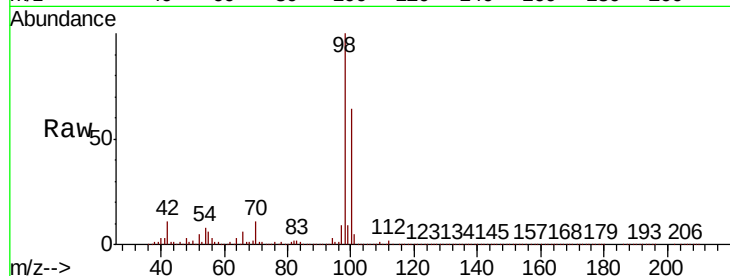
TP-3

Tot Ion: 98 Resp: 1856339

Ion Ratio Lower Upper

98 100

100 63.7 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 1.23 ug/l

RT: 10.09 min Scan# 2643

Delta R.T. 0.10 min

Lab File: VN050435.D

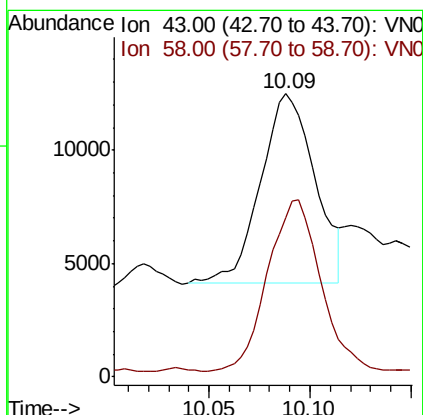
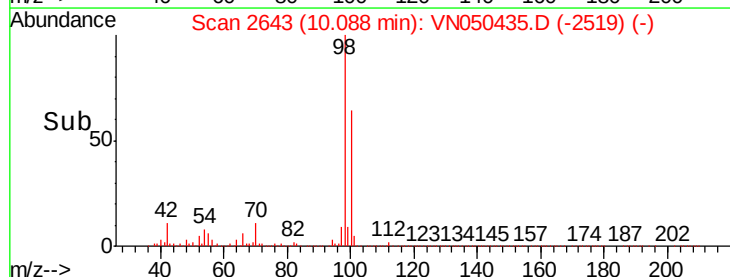
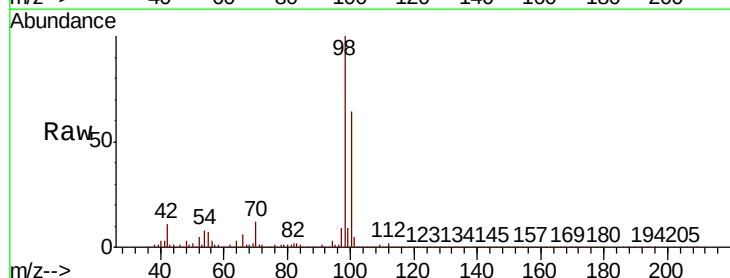
Acq: 7 Aug 2018 16:40

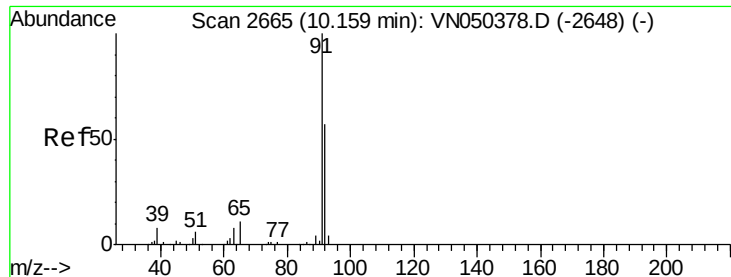
Tgt Ion: 43 Resp: 15628

Ion Ratio Lower Upper

43 100

58 87.9 31.9 47.9#





#52

Toluene

Concen: 8.74 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Instrument :

MSVOA_N

ClientSampled :

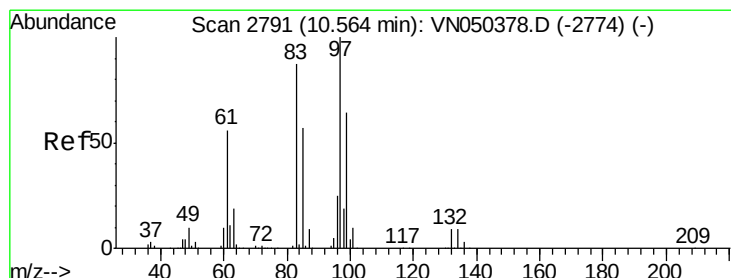
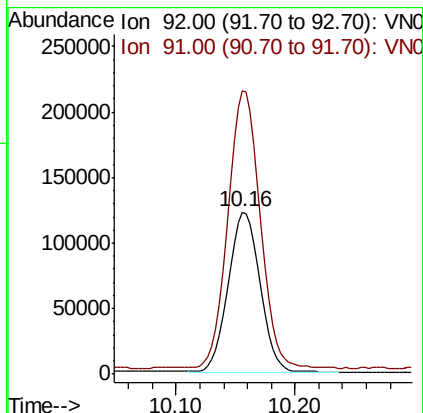
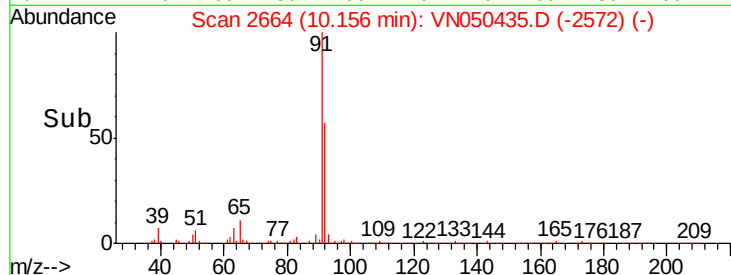
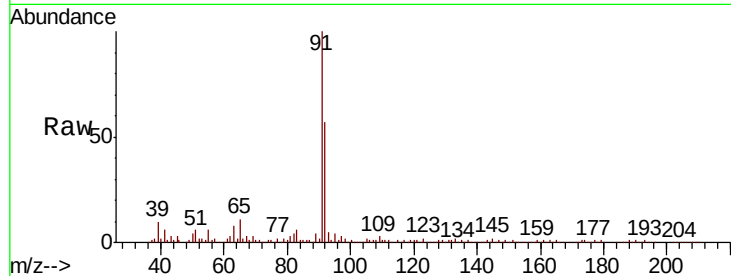
TP-3

Tot Ion: 92 Resp: 229672

Ion Ratio Lower Upper

92 100

91 172.3 140.3 210.5



#55

1,1,2-Trichloroethane

Concen: 2.97 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. -0.03 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Tgt Ion: 97 Resp: 30446

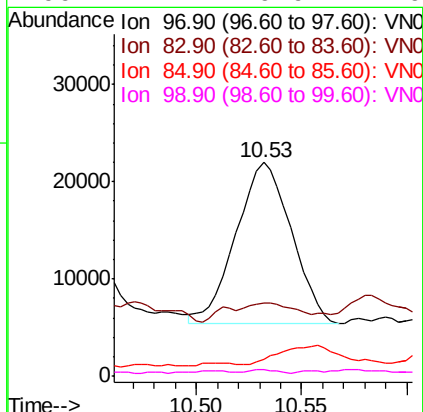
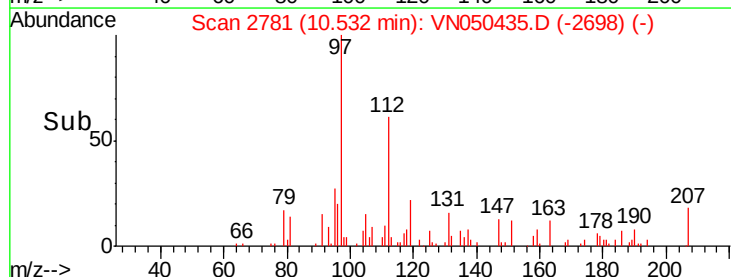
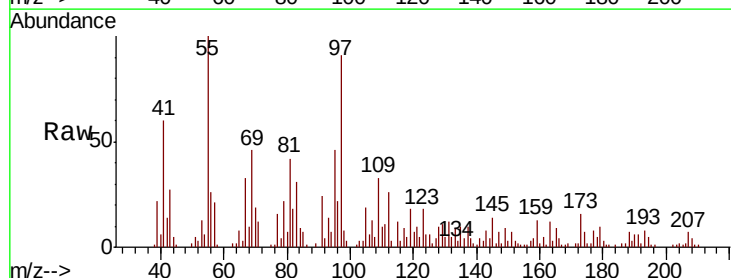
Ion Ratio Lower Upper

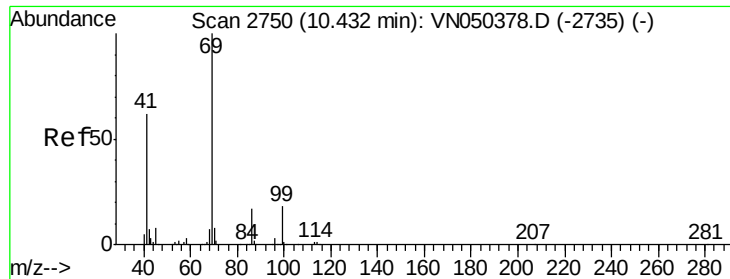
97 100

83 6.9 69.2 103.8#

85 4.4 44.0 66.0#

99 1.2 49.9 74.9#





#56

Ethyl methacrylate

Concen: 2.93 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Instrument :

MSVOA_N

ClientSampled :

TP-3

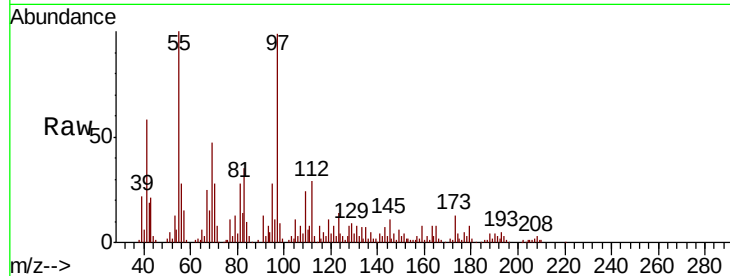
Tot Ion: 69 Resp: 18254

Ion Ratio Lower Upper

69 100

41 127.0 51.0 76.4#

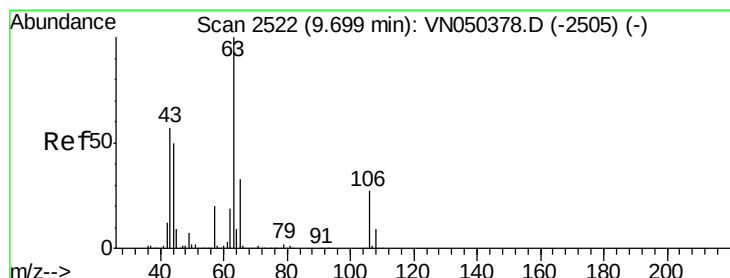
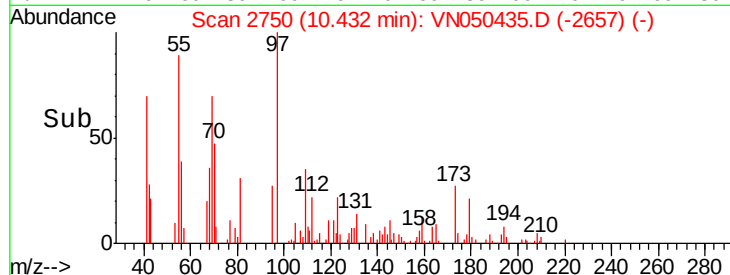
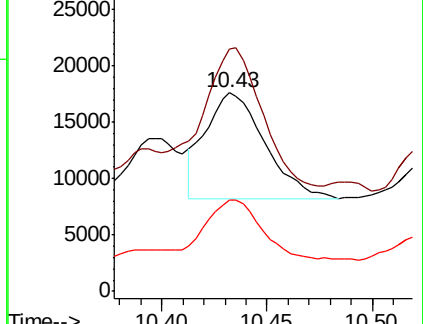
39 54.8 26.6 40.0#



Abundance Ion 69.00 (68.70 to 69.70): VN050435.D (-2657) (-)

Ion 41.00 (40.70 to 41.70): VN050435.D (-2657) (-)

Ion 39.00 (38.70 to 39.70): VN050435.D (-2657) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 7.41 ug/l

RT: 9.71 min Scan# 2526

Delta R.T. 0.01 min

Lab File: VN050435.D

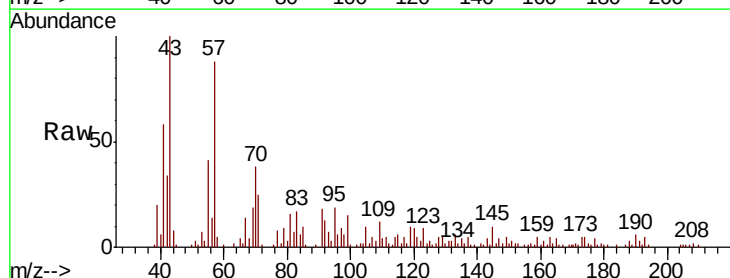
Acq: 7 Aug 2018 16:40

Tgt Ion: 63 Resp: 137

Ion Ratio Lower Upper

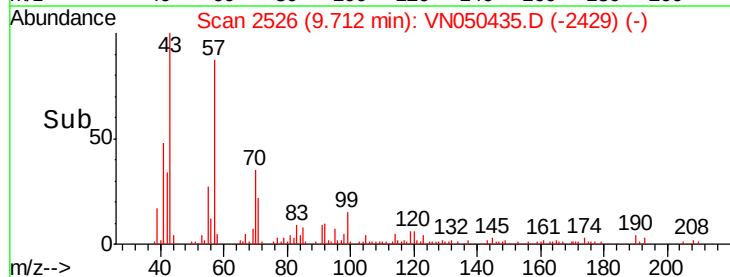
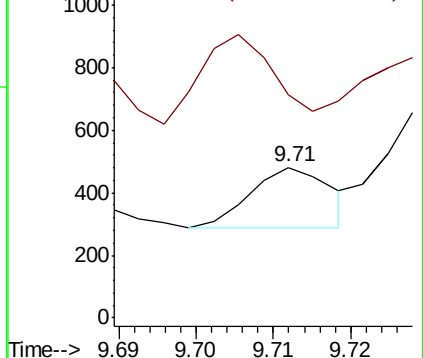
63 100

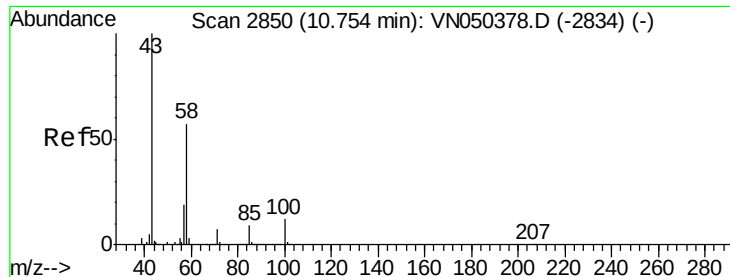
106 136.5 21.7 32.5#



Abundance Ion 62.90 (62.60 to 63.60): VN050435.D (-2429) (-)

Ion 105.90 (105.60 to 106.60): VN050435.D (-2429) (-)

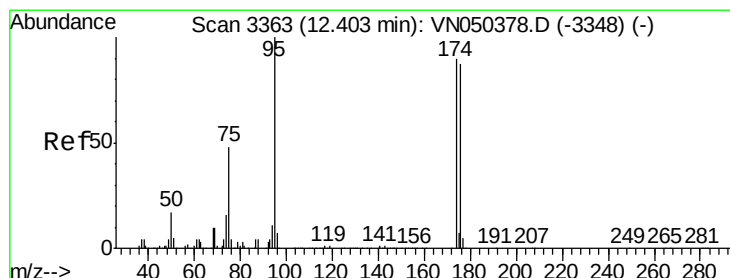
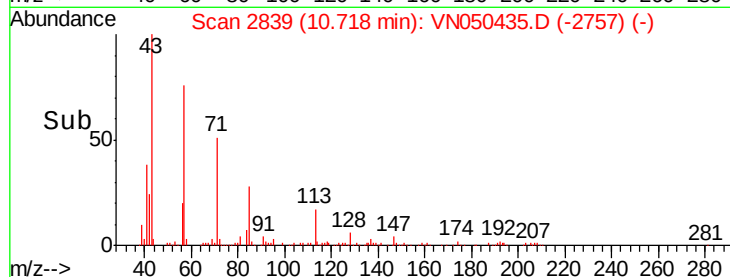
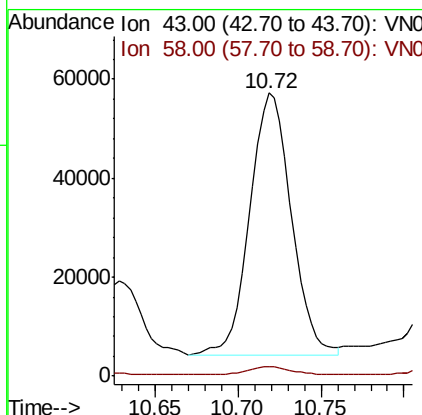
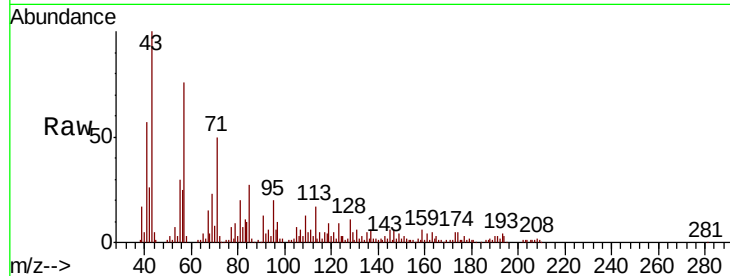




#59
2-Hexanone
Concen: 10.34 ug/l
RT: 10.72 min Scan# 2839
Delta R.T. -0.04 min
Lab File: VN050435.D
Acq: 7 Aug 2018 16:40

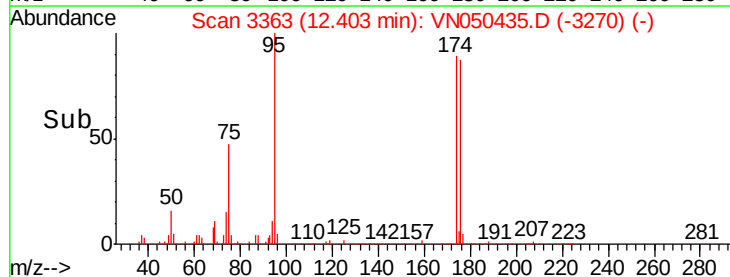
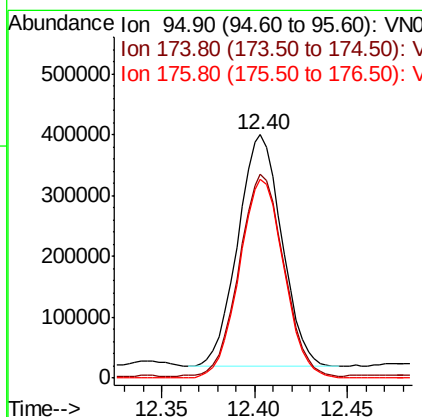
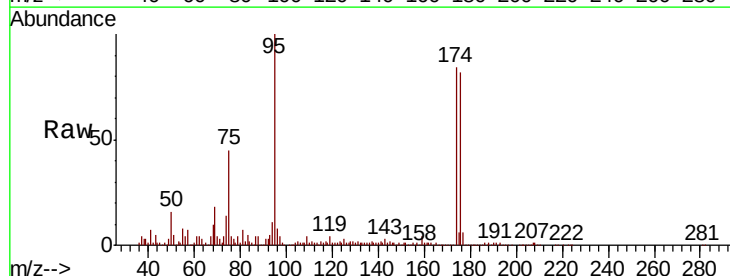
Instrument :
MSVOA_N
ClientSampleId :
TP-3

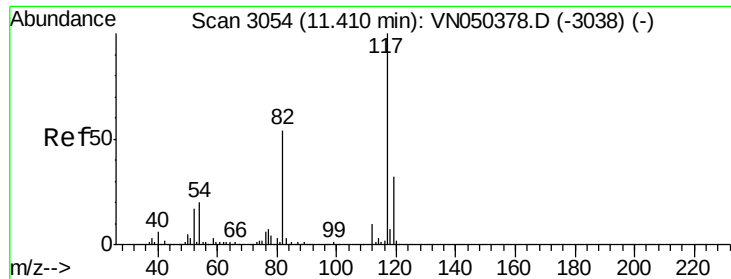
Tot Ion: 43 Resp: 91899
Ion Ratio Lower Upper
43 100
58 3.3 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 47.01 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050435.D
Acq: 7 Aug 2018 16:40

Tgt Ion: 95 Resp: 625665
Ion Ratio Lower Upper
95 100
174 87.5 0.0 178.2
176 86.8 0.0 173.4

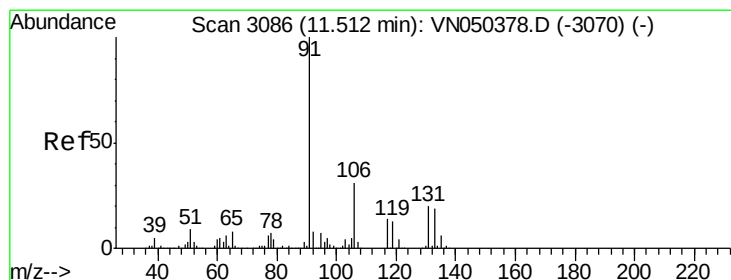
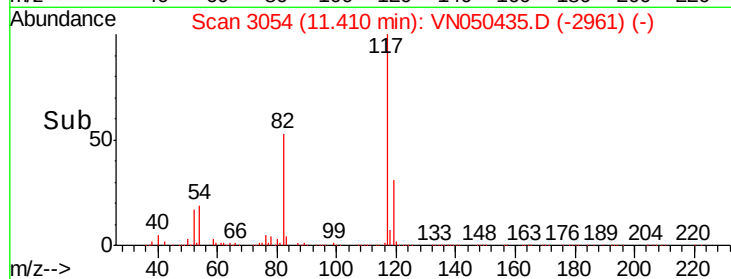
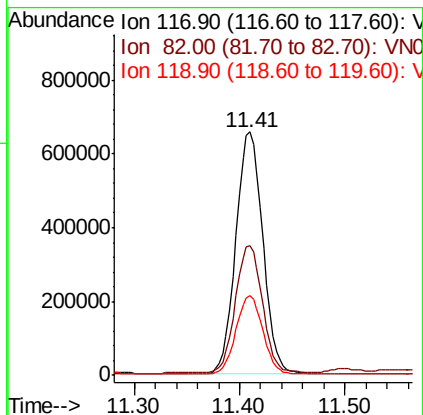
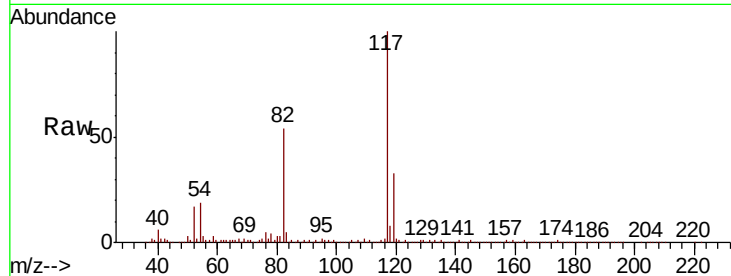




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050435.D
Acq: 7 Aug 2018 16:40

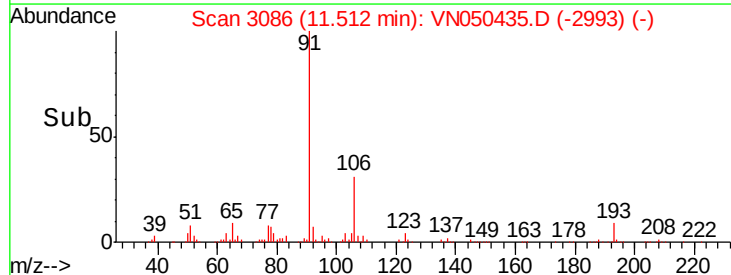
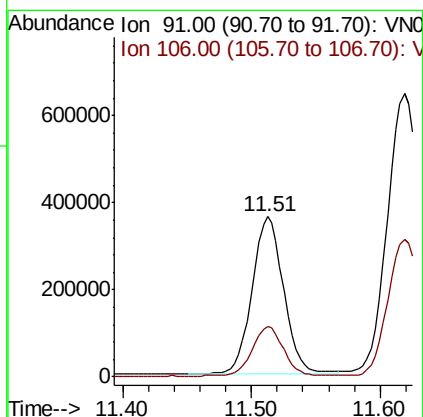
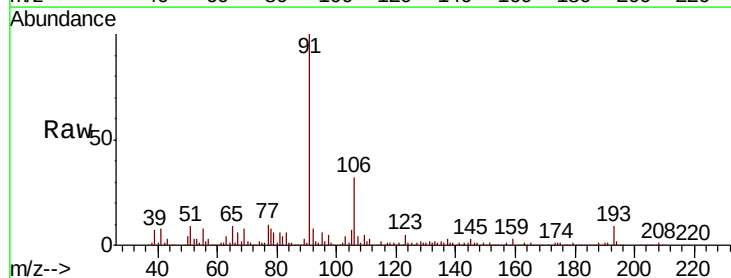
Instrument :
MSVOA_N
ClientSampled :
TP-3

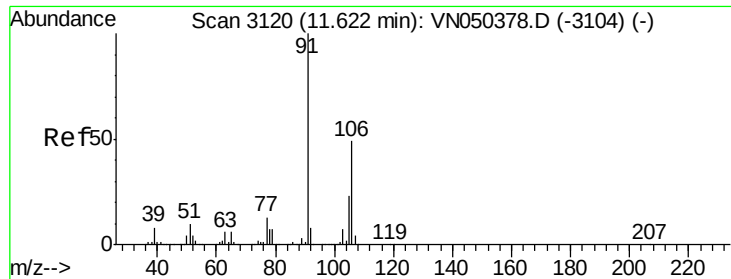
Tot Ion:117 Resp: 1159778
Ion Ratio Lower Upper
117 100
82 52.7 43.7 65.5
119 32.4 26.1 39.1



#67
Ethyl Benzene
Concen: 13.12 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050435.D
Acq: 7 Aug 2018 16:40

Tgt Ion: 91 Resp: 616560
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.4

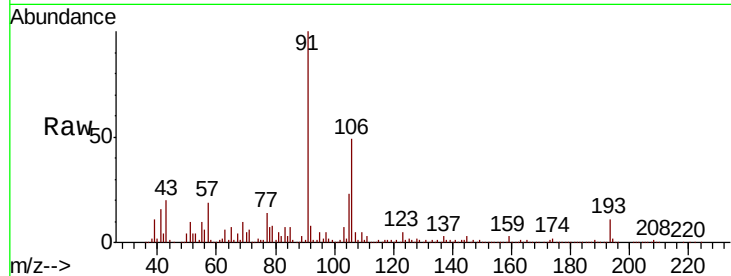




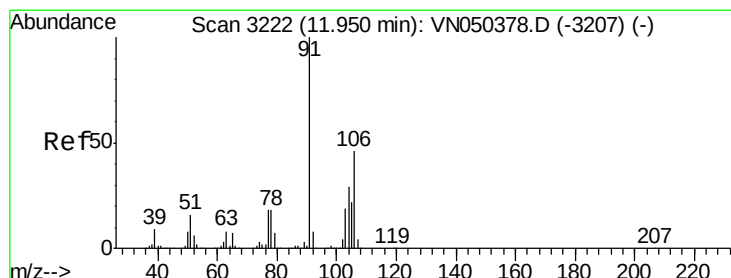
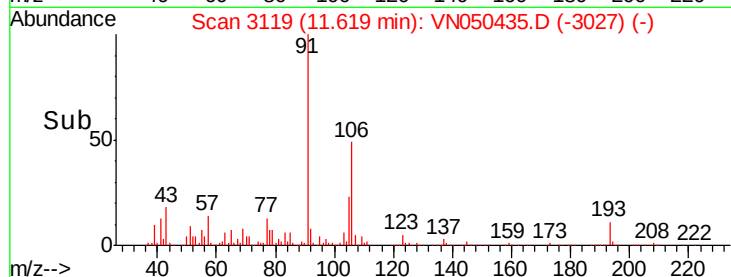
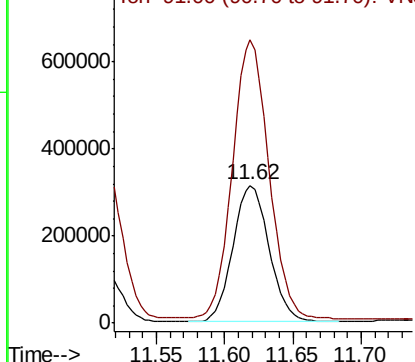
#68
m/p-Xylenes
Concen: 32.34 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN050435.D
Acq: 7 Aug 2018 16:40

Instrument :
MSVOA_N
ClientSampled :
TP-3

Tot Ion:106 Resp: 578712
Ion Ratio Lower Upper
106 100
91 205.4 162.2 243.2

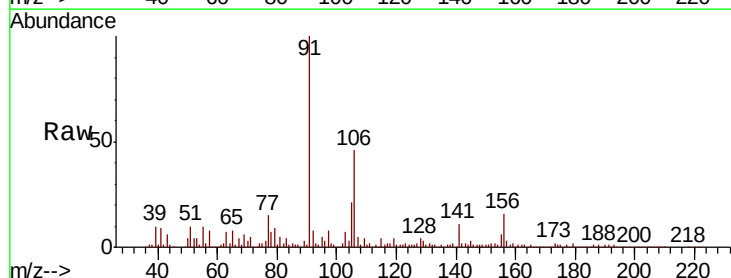


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

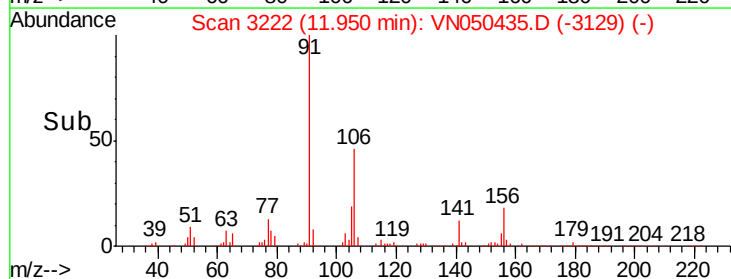
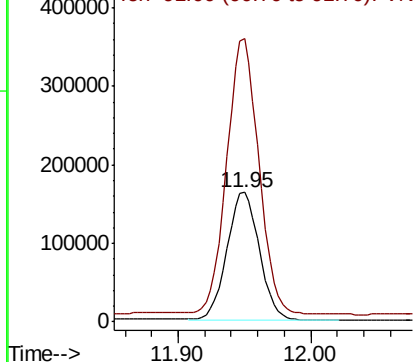


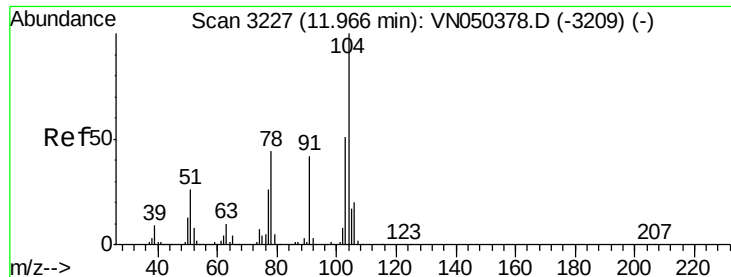
#69
o-Xylene
Concen: 16.06 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050435.D
Acq: 7 Aug 2018 16:40

Tgt Ion:106 Resp: 276826
Ion Ratio Lower Upper
106 100
91 212.6 107.7 323.1



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





#70

Stvrene

Concen: 0.62 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.02 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

TP-3

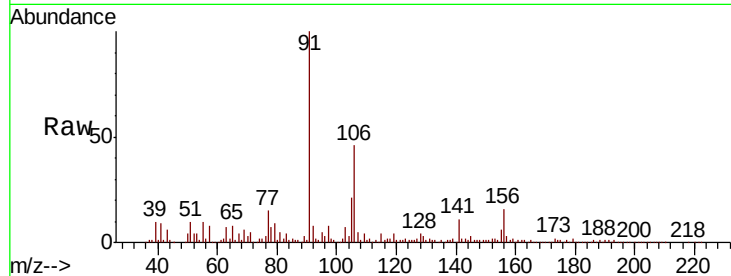
Tot Ion:104 Resp: 17429

Ion Ratio Lower Upper

104 100

78 281.9 39.3 58.9#

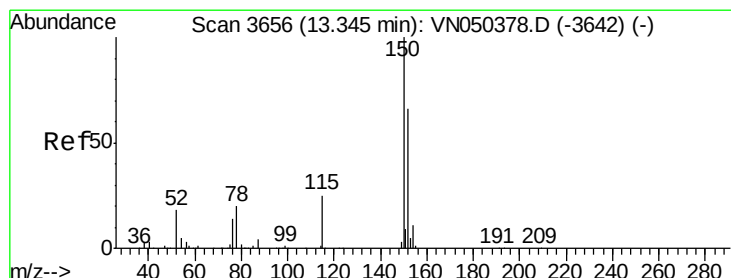
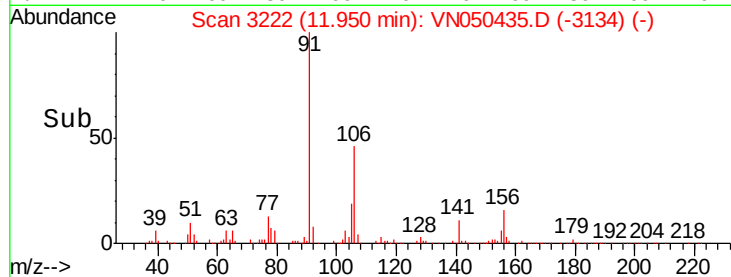
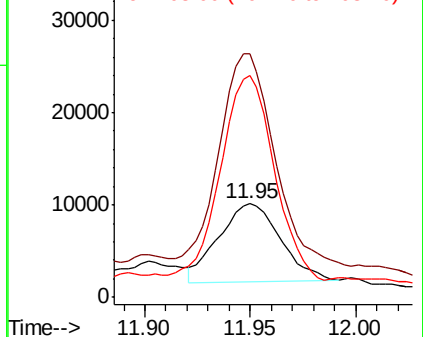
103 224.6 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): 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: VN050435.D

Acq: 7 Aug 2018 16:40

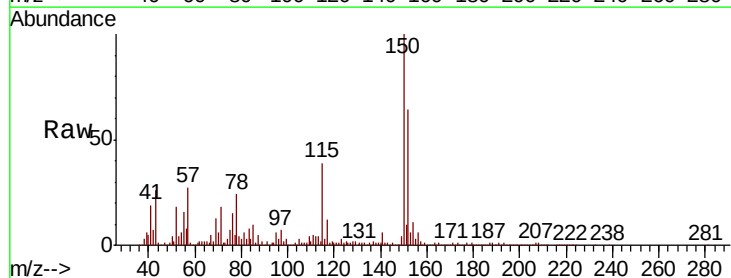
Tgt Ion:152 Resp: 589493

Ion Ratio Lower Upper

152 100

115 65.8 27.8 83.3

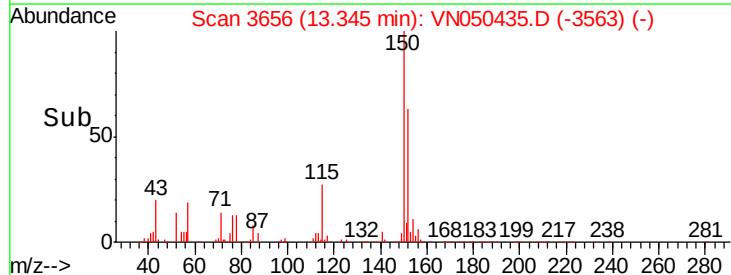
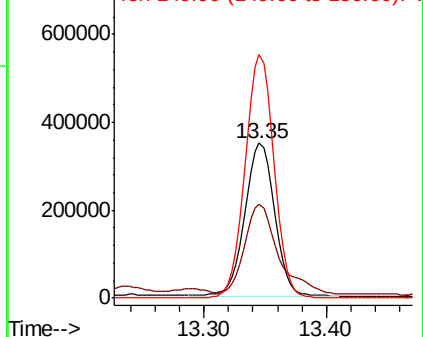
150 150.8 0.0 348.6

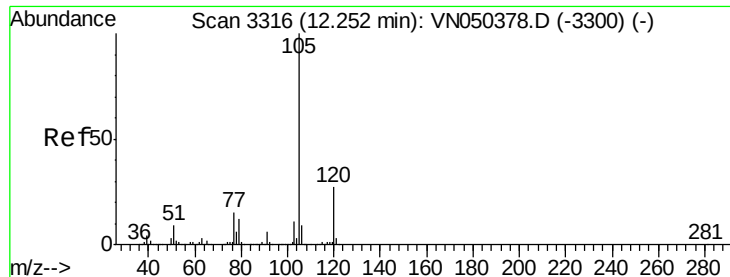


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.49 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Instrument :

MSVOA_N

ClientSampled :

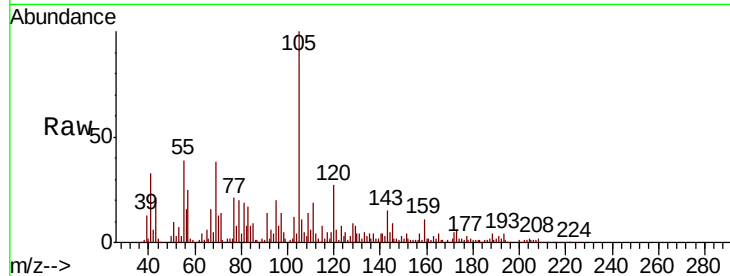
TP-3

Tot Ion:105 Resp: 154466

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

100000

80000

60000

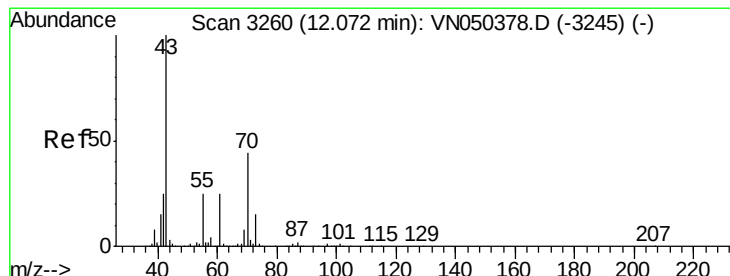
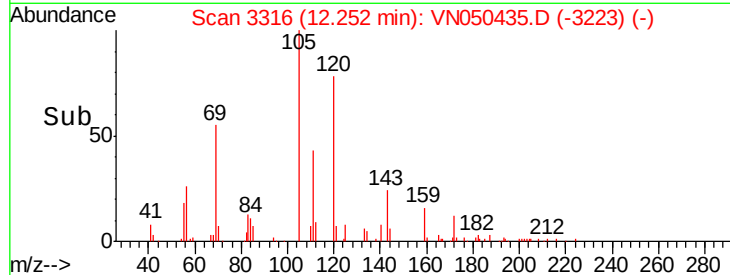
40000

20000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 7.88 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Tgt Ion: 43 Resp: 112967

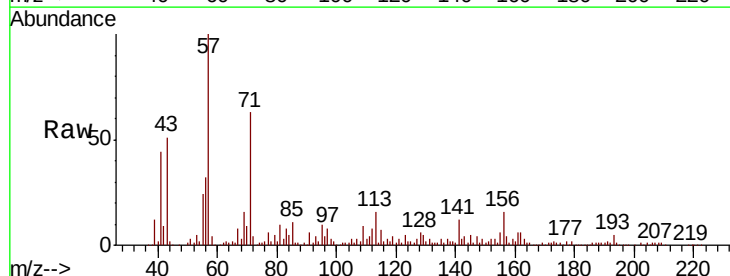
Ion Ratio Lower Upper

43 100

70 11.2 34.4 51.6#

55 13.3 20.8 31.2#

61 0.2 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

12.05

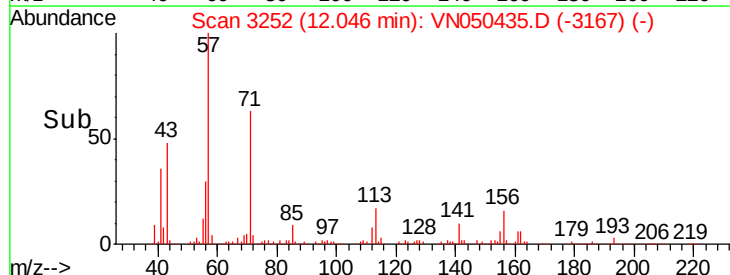
100000

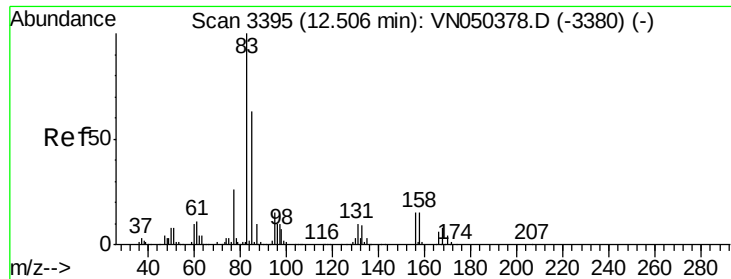
50000

0

Time-->

12.00 12.05





#75

1,1,2,2-Tetrachloroethane

Concen: 0.50 ug/l

RT: 12.45 min Scan# 3378

Delta R.T. -0.05 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Instrument :

MSVOA_N

ClientSampled :

TP-3

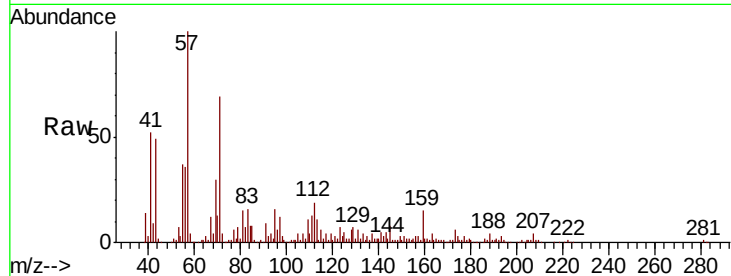
Tot Ion: 83 Resp: 6363

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

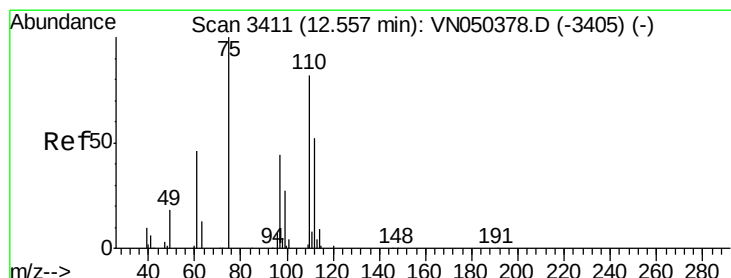
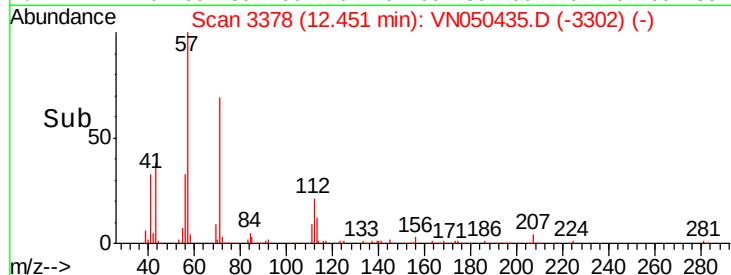
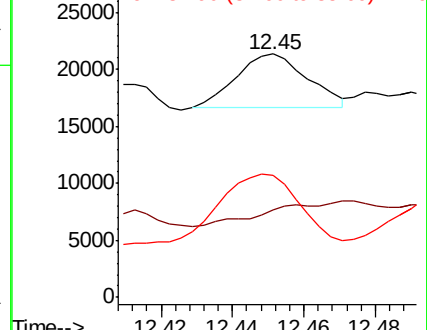
85 174.3 32.3 96.8#



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: 27.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050435.D

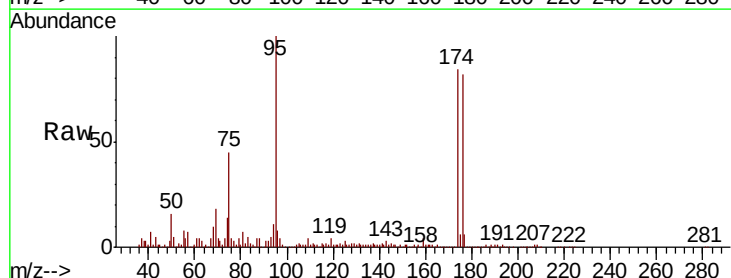
Acq: 7 Aug 2018 16:40

Tgt Ion: 75 Resp: 292032

Ion Ratio Lower Upper

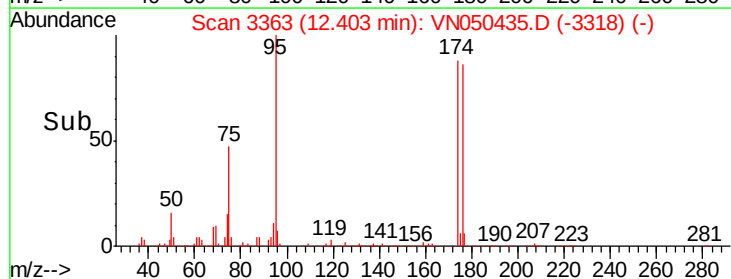
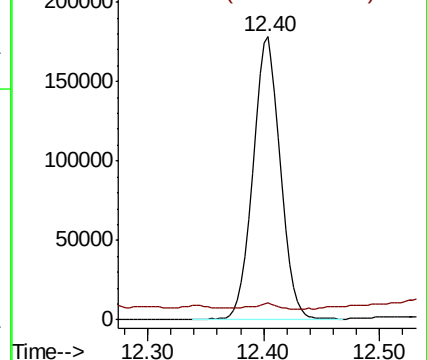
75 100

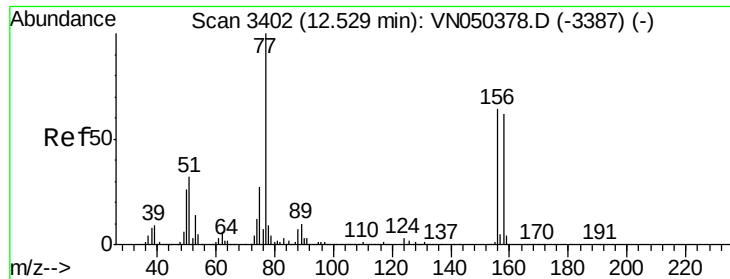
77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 17.41 ug/l

RT: 12.55 min Scan# 3409

Delta R.T. 0.02 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

TP-3

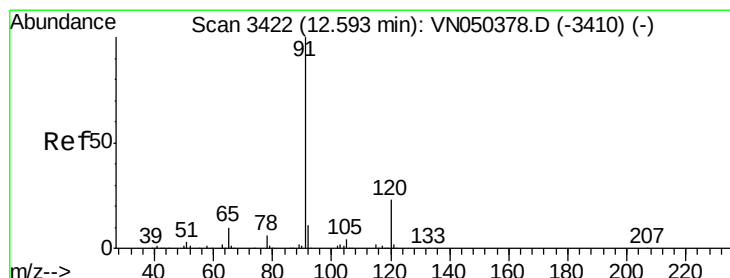
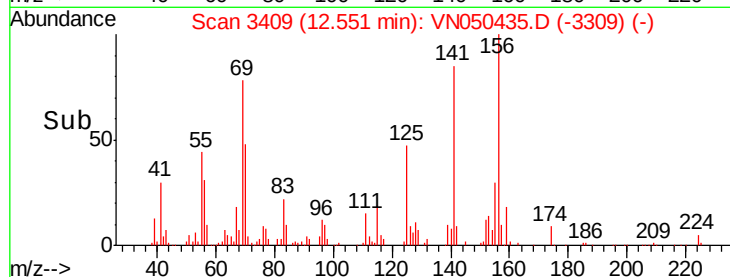
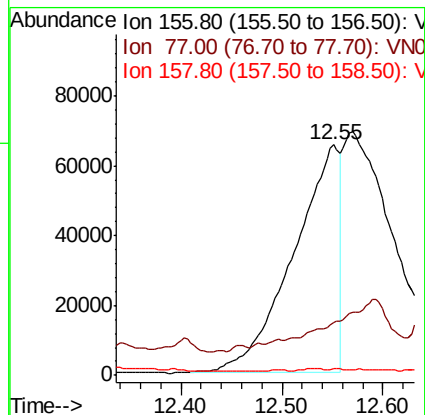
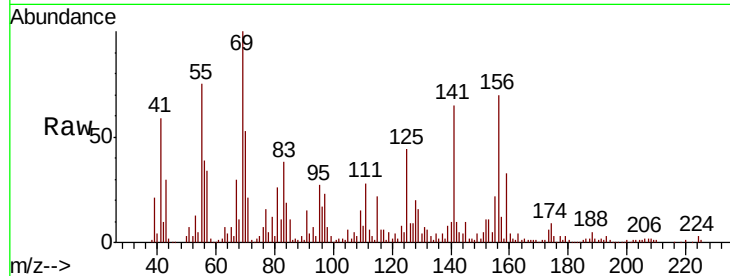
Tot Ion:156 Resp: 206428

Ion Ratio Lower Upper

156 100

77 0.0 91.7 275.1#

158 0.0 48.9 146.6#



#78

n-propylbenzene

Concen: 7.79 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050435.D

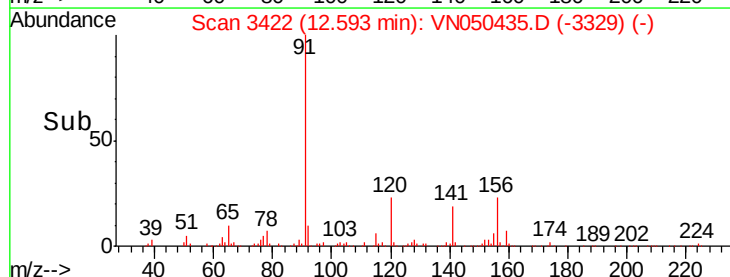
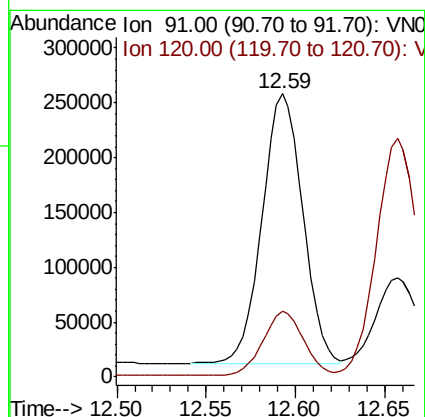
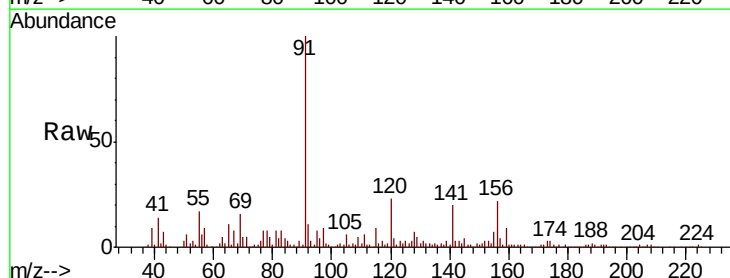
Acq: 7 Aug 2018 16:40

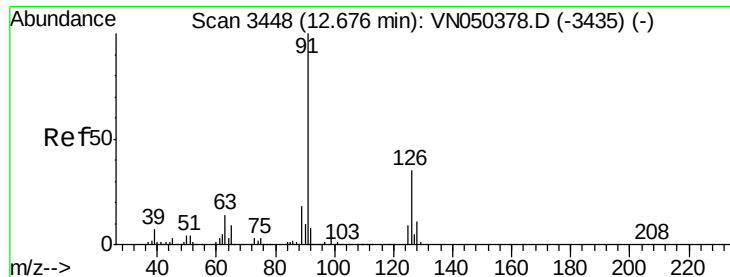
Tgt Ion: 91 Resp: 389971

Ion Ratio Lower Upper

91 100

120 23.7 11.6 34.7





#79

2-Chlorotoluene

Concen: 3.89 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Instrument :

MSVOA_N

ClientSampled :

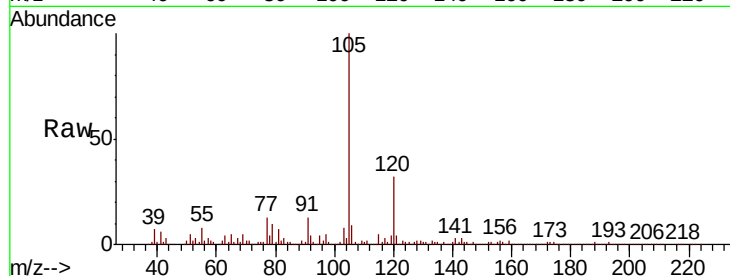
TP-3

Tot Ion: 91 Resp: 120324

Ion Ratio Lower Upper

91 100

126 0.8 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) (-)

250000

200000

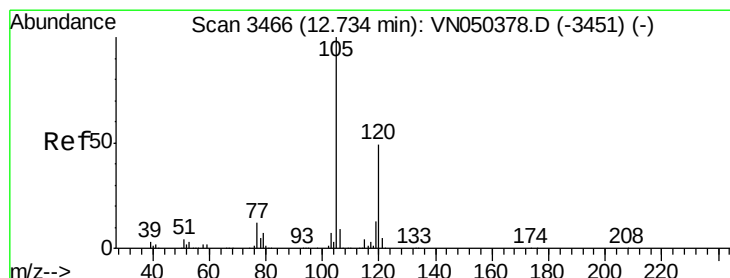
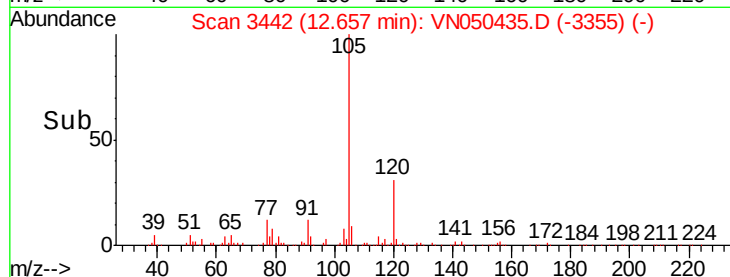
150000

100000

50000

0

Time--> 12.60 12.65



#80

1,3,5-Trimethylbenzene

Concen: 20.58 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050435.D

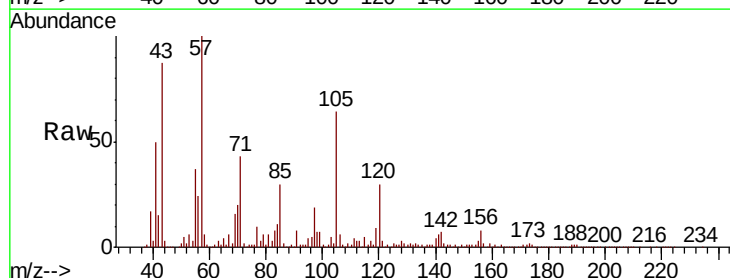
Acq: 7 Aug 2018 16:40

Tgt Ion: 105 Resp: 739259

Ion Ratio Lower Upper

105 100

120 43.6 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) (-)

800000

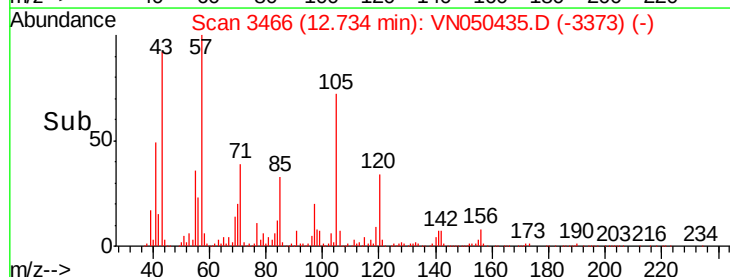
600000

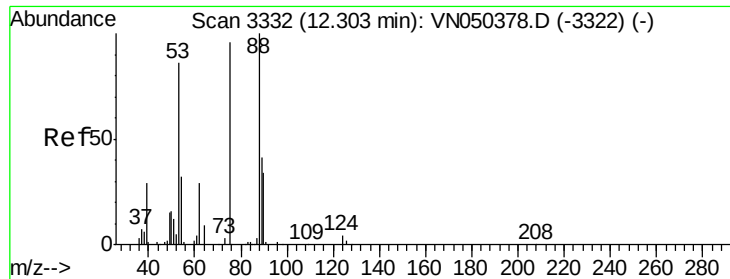
400000

200000

0

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 96.16 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

TP-3

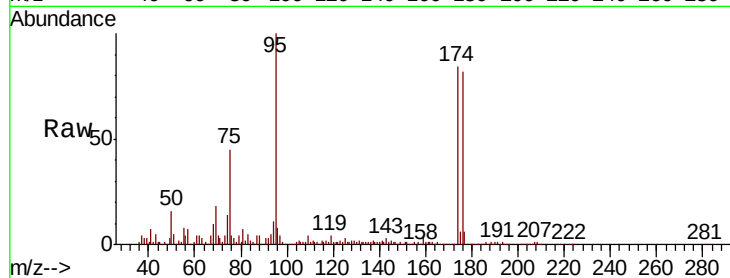
Tot Ion: 75 Resp: 292032

Ion Ratio Lower Upper

75 100

53 0.5 73.5 110.3#

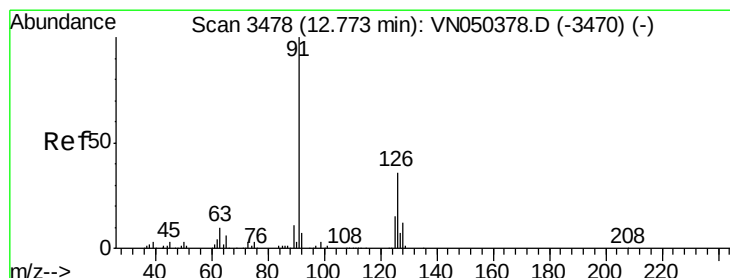
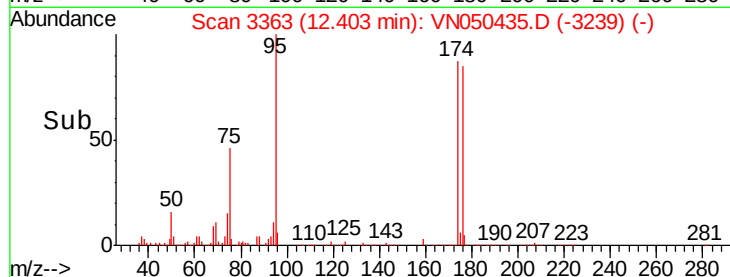
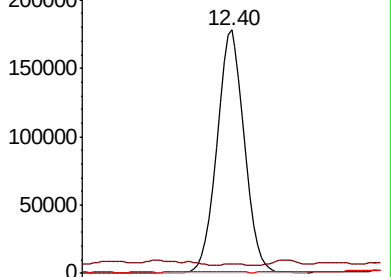
89 0.1 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 2.68 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN050435.D

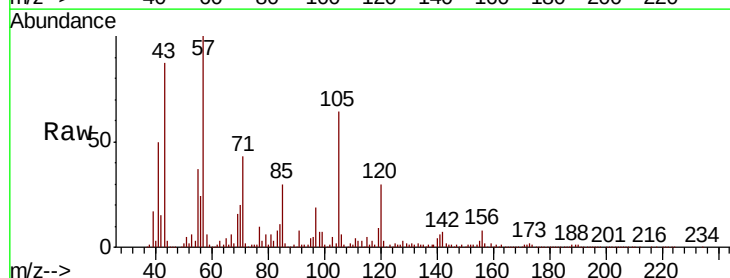
Acq: 7 Aug 2018 16:40

Tgt Ion: 91 Resp: 82731

Ion Ratio Lower Upper

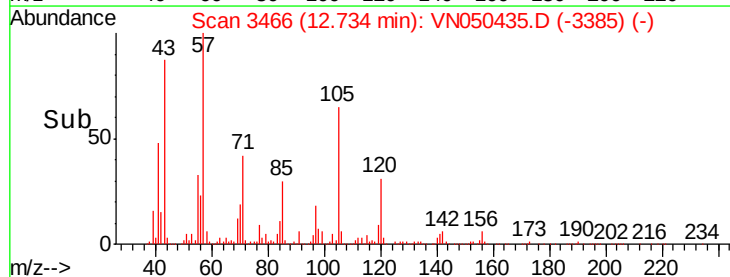
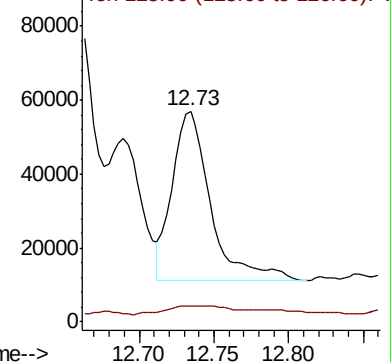
91 100

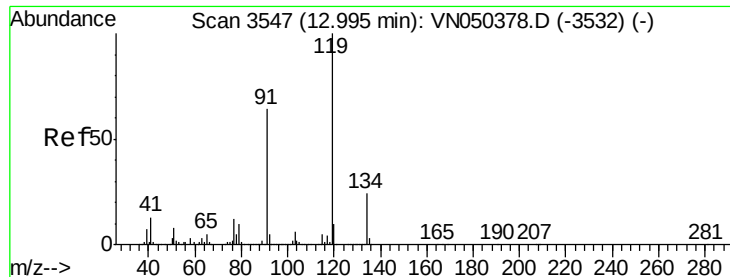
126 3.9 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

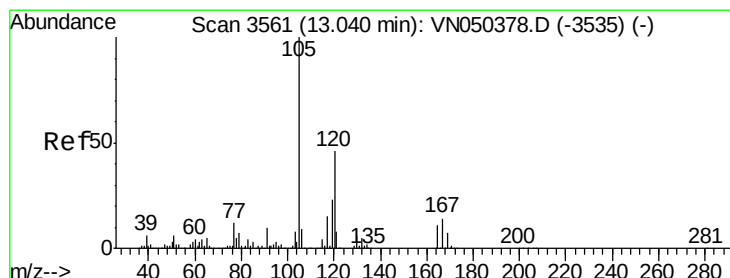
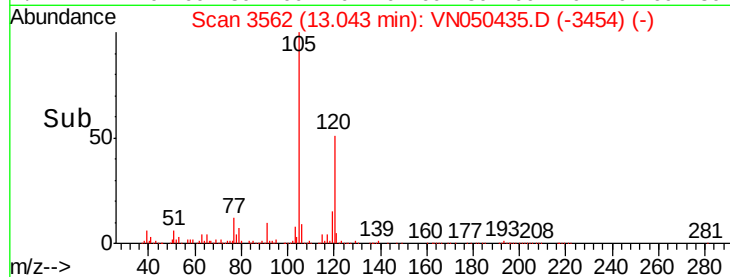
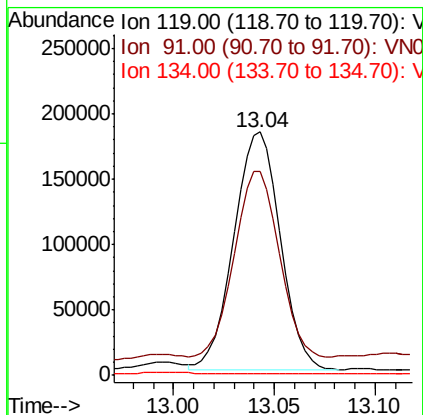
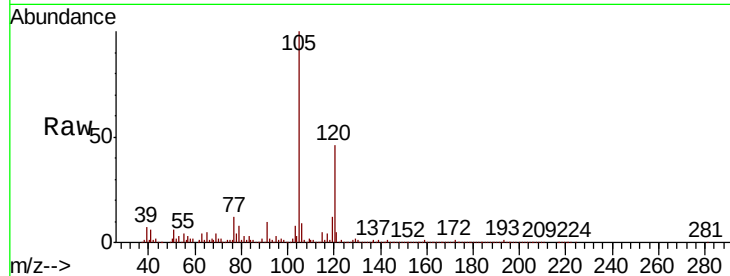




#83
 tert-Butylbenzene
 Concen: 9.34 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.05 min
 Lab File: VN050435.D
 Acq: 7 Aug 2018 16:40

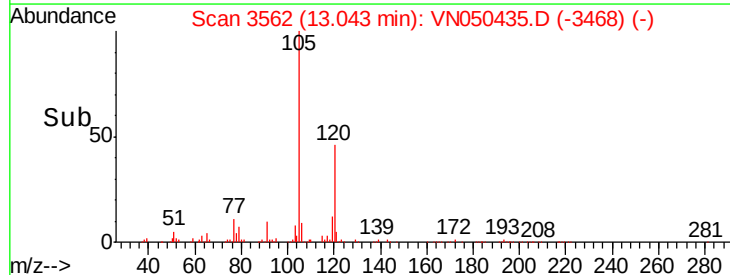
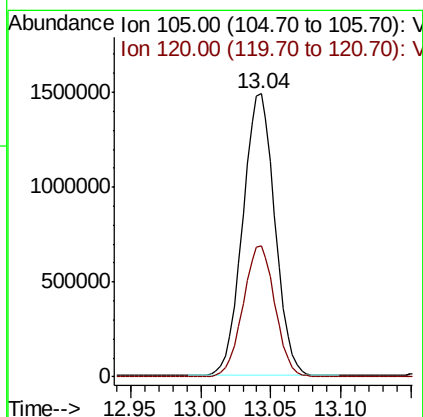
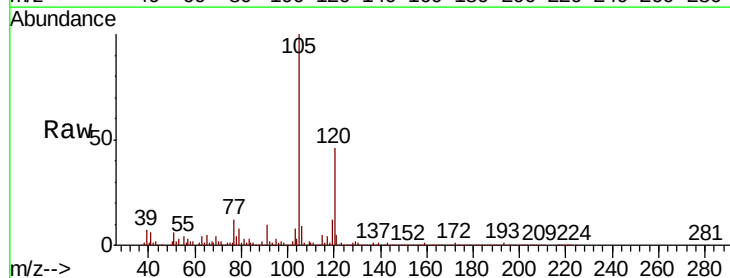
Instrument :
 MSVOA_N
 ClientSampled :
 TP-3

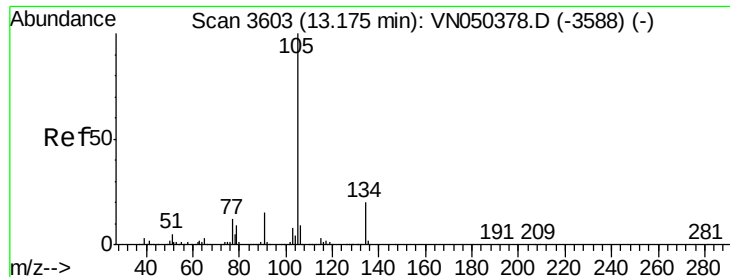
Tot Ion:119 Resp: 292693
 Ion Ratio Lower Upper
 119 100
 91 76.0 32.1 96.3
 134 0.0 13.2 39.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 65.26 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050435.D
 Acq: 7 Aug 2018 16:40

Tgt Ion:105 Resp: 2374591
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.7





#85

sec-Butylbenzene

Concen: 4.43 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Instrument :

MSVOA_N

ClientSampled :

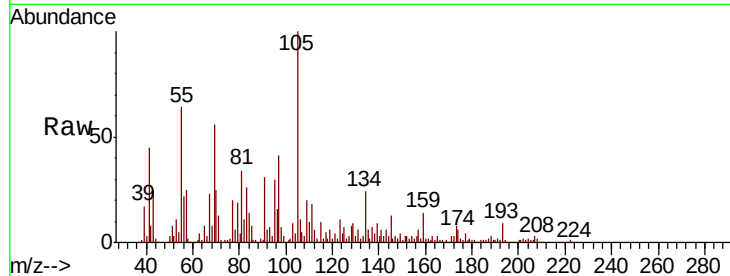
TP-3

Tot Ion:105 Resp: 185214

Ion Ratio Lower Upper

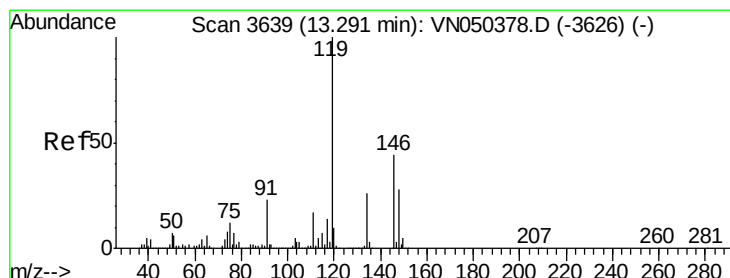
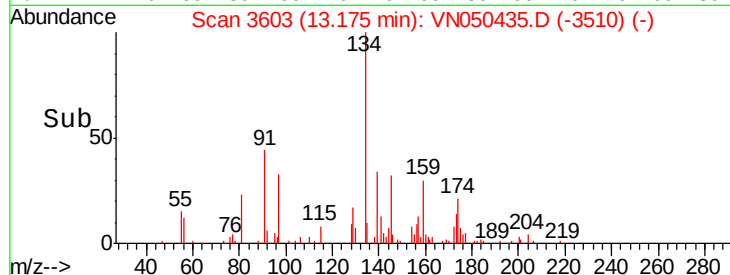
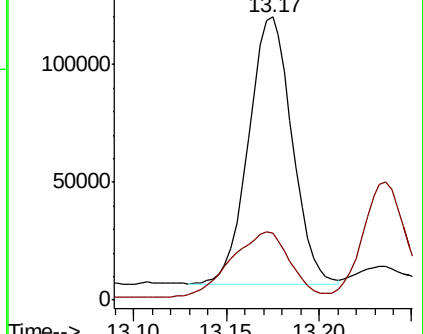
105 100

134 33.7 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: 5.33 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

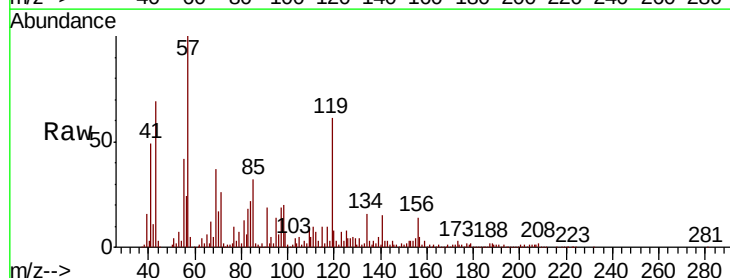
Tgt Ion:119 Resp: 190610

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

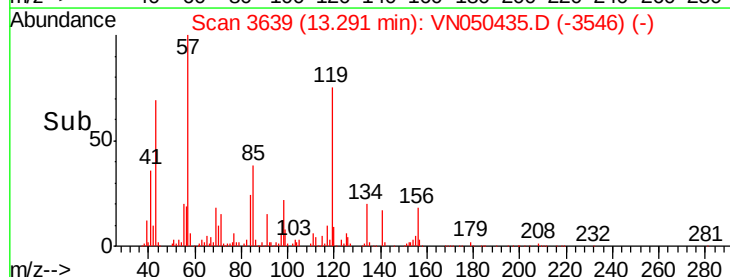
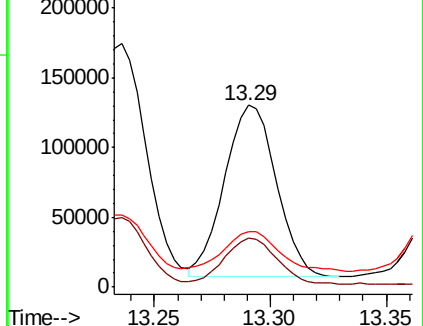
91 24.7 11.4 34.2

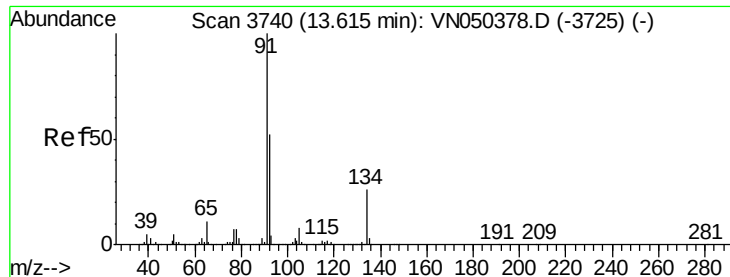


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

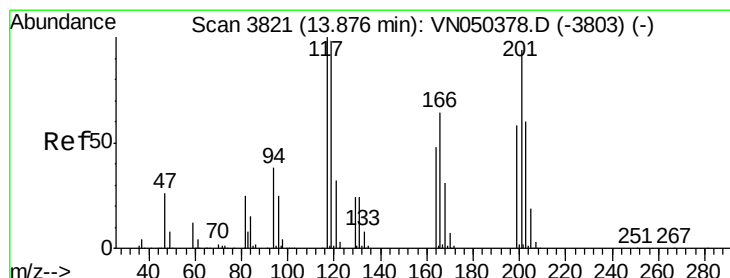
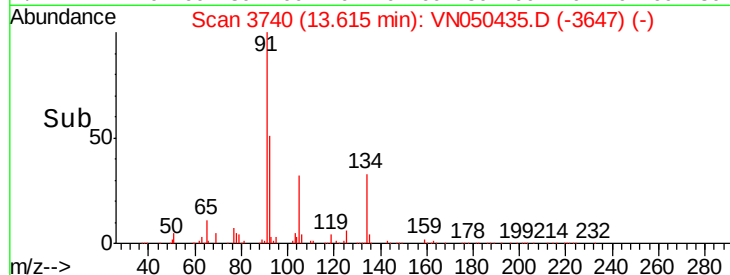
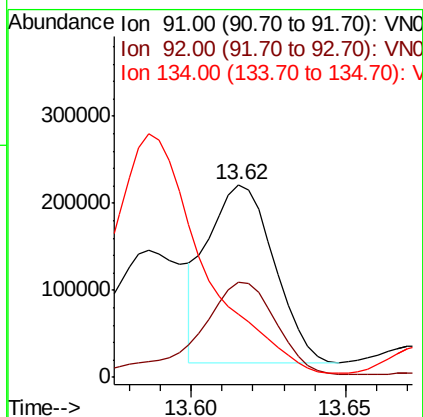
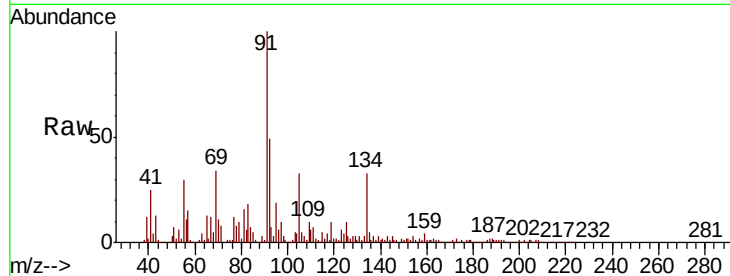




#89
n-Butylbenzene
Concen: 9.97 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050435.D
Acq: 7 Aug 2018 16:40

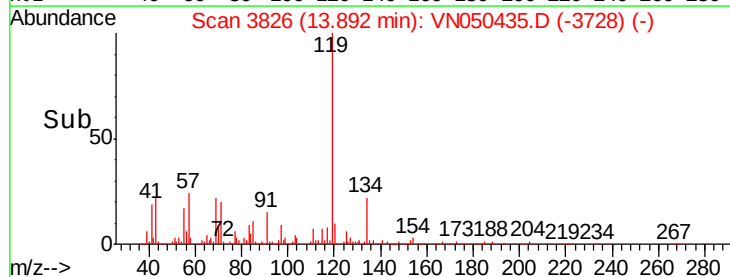
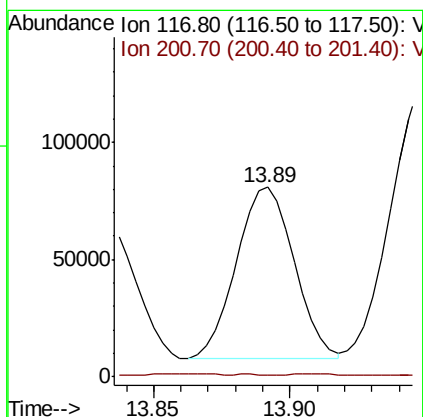
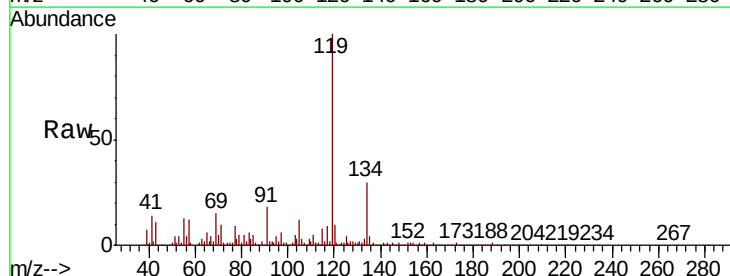
Instrument :
MSVOA_N
ClientSampled :
TP-3

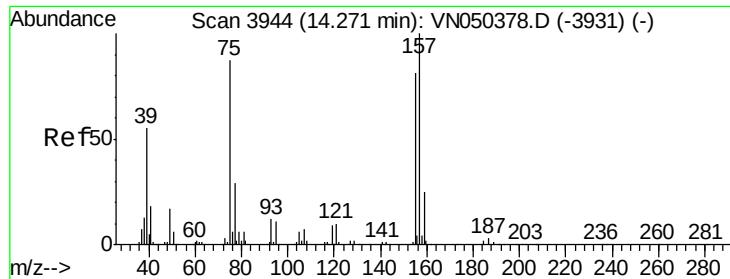
Tot Ion: 91 Resp: 303952
Ion Ratio Lower Upper
91 100
92 61.9 25.8 77.4
134 0.0 12.8 38.4#



#90
Hexachloroethane
Concen: 16.79 ug/l
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN050435.D
Acq: 7 Aug 2018 16:40

Tgt Ion: 117 Resp: 106881
Ion Ratio Lower Upper
117 100
201 0.4 45.6 136.8#

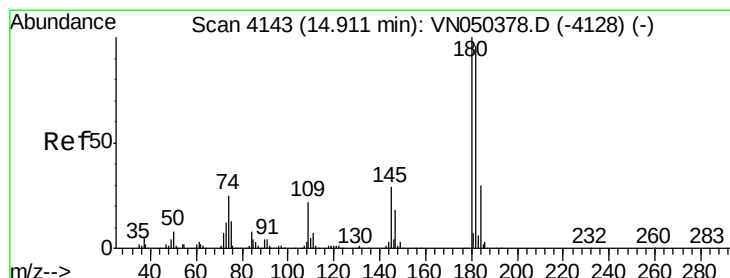
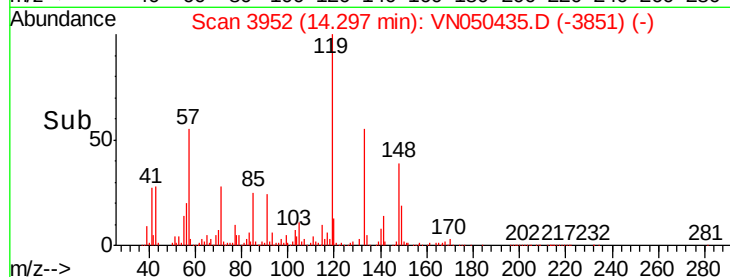
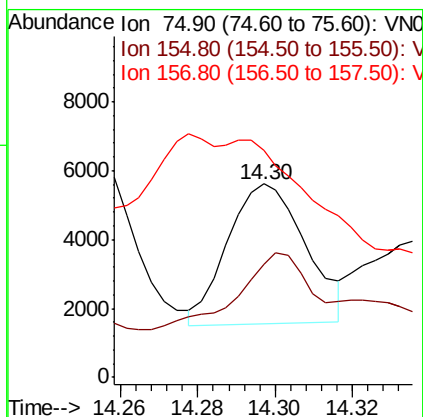
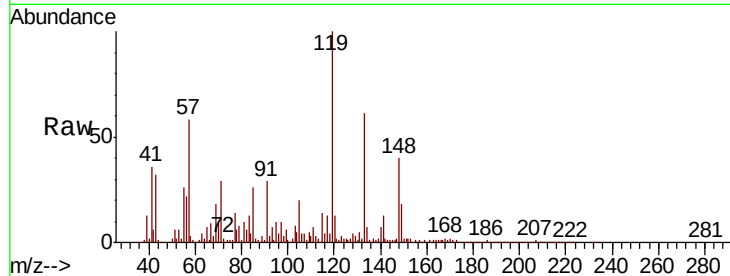




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.64 ug/l
 RT: 14.30 min Scan# 3952
 Delta R.T. 0.03 min
 Lab File: VN050435.D
 Acq: 7 Aug 2018 16:40

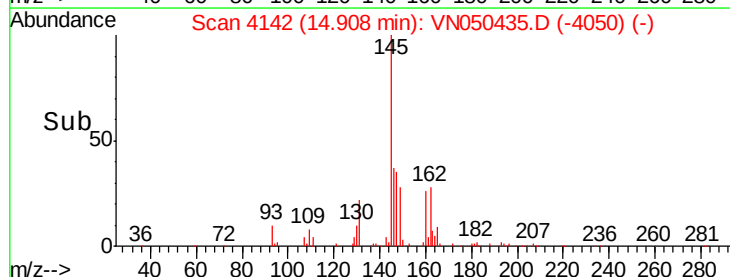
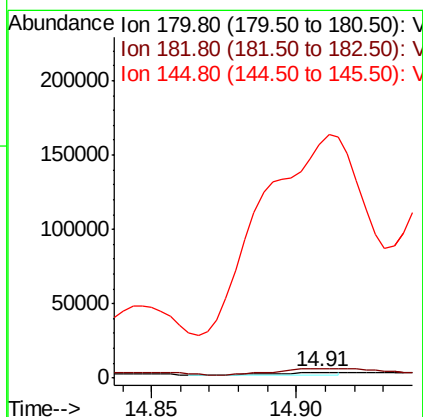
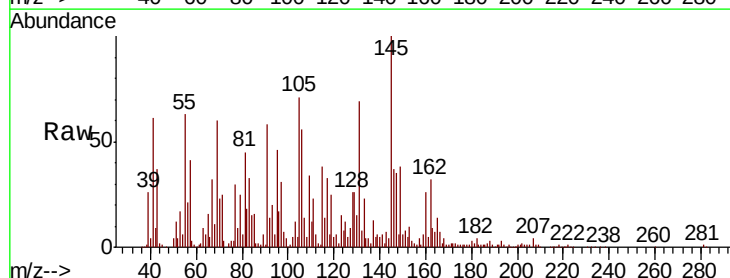
Instrument :
 MSVOA_N
 ClientSampled :
 TP-3

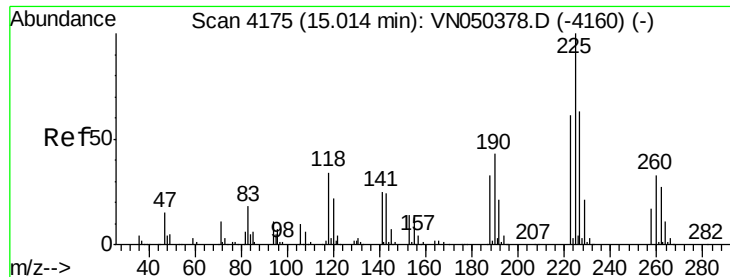
Tot Ion: 75 Resp: 5719
 Ion Ratio Lower Upper
 75 100
 155 52.0 44.8 134.4
 157 0.0 57.2 171.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.27 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050435.D
 Acq: 7 Aug 2018 16:40

Tgt Ion: 180 Resp: 2880
 Ion Ratio Lower Upper
 180 100
 182 154.5 46.7 140.1#
 145 14576.0 13.8 41.4#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4178

Delta R.T. 0.01 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

Instrument :

MSVOA_N

ClientSampled :

TP-3

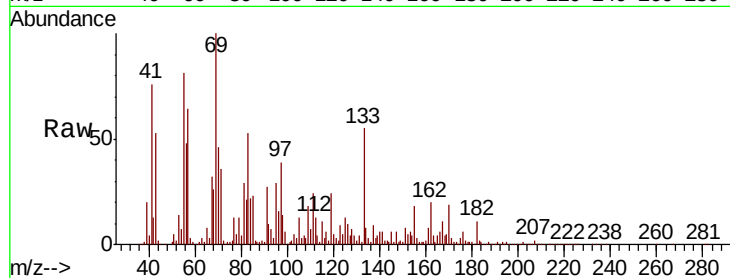
Tot Ion:225 Resp: 63

Ion Ratio Lower Upper

225 100

223 527.0 31.4 94.2#

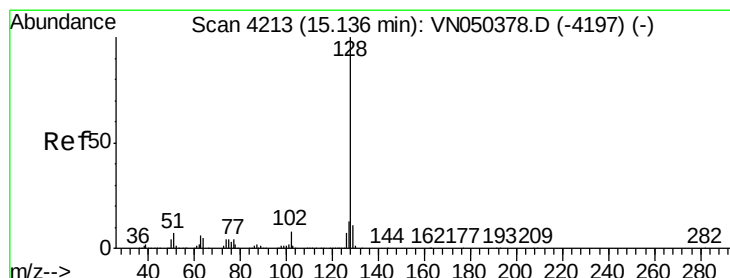
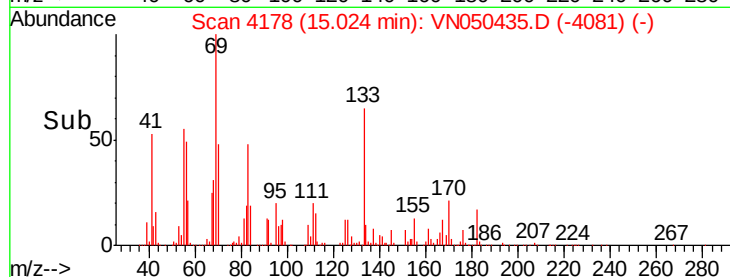
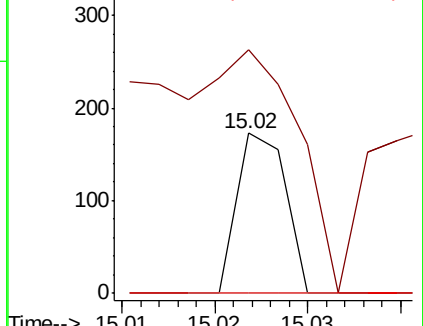
227 0.0 32.1 96.5#



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: 91.76 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050435.D

Acq: 7 Aug 2018 16:40

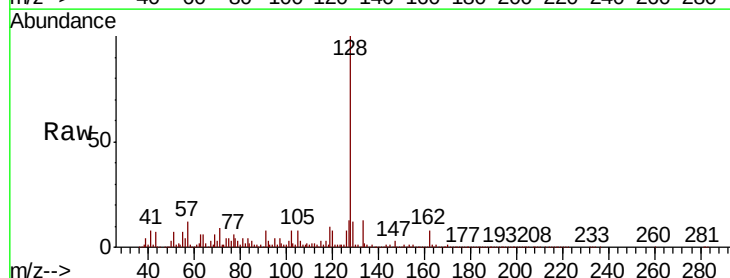
Tgt Ion:128 Resp: 2712056

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

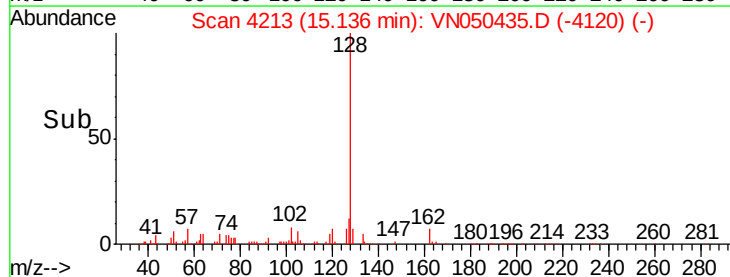
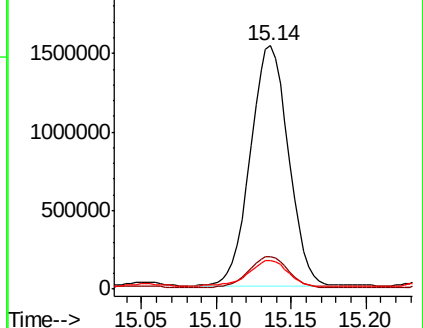
129 11.2 8.8 13.2

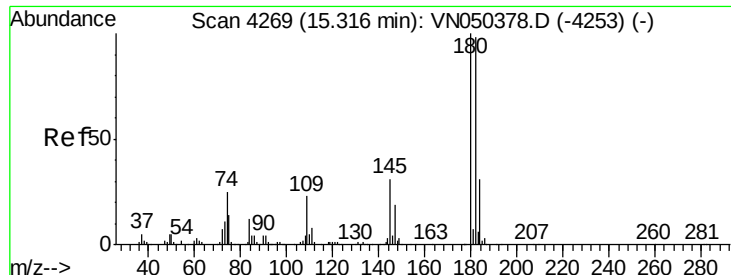


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.58 ug/l
 RT: 15.34 min Scan# 4276
 Delta R.T. 0.02 min
 Lab File: VN050435.D
 Acq: 7 Aug 2018 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.1	144.4#
145	0.0	15.3	45.9#

