

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100319\
 Data File : VN058521.D
 Acq On : 3 Oct 2019 19:24
 Operator : JC/SP
 Sample : K5180-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30474

Quant Time: Oct 04 03:23:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	361895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	598298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	516958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	236913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	259779	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	7.57	113	184140	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.08	98	743624	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.41	95	260930	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.76	59	60247	102.546	ug/l	100
13) Acrolein	3.59	56	291	1.557	ug/l	88
15) Acrylonitrile	5.01	53	3634	2.122	ug/l #	32
16) Acetone	3.79	43	1239617	687.606	ug/l	100
18) Methyl Acetate	4.30	43	26231	5.785	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	276968	22.993	ug/l	96
20) Methylene Chloride	4.53	84	26921	6.471	ug/l	95
22) Diisopropyl ether	5.93	45	82976	6.206	ug/l	93
23) Vinyl Acetate	5.93	43	45470	4.511	ug/l #	74
25) 2-Butanone	6.81	43	516185	208.544	ug/l	97
29) Tetrahydrofuran	7.20	42	5922	3.770	ug/l #	84
31) Cyclohexane	7.64	56	17571	2.401	ug/l #	58
36) 1,1-Dichloropropene	7.65	75	32685	5.713	ug/l #	52
37) Ethyl Acetate	6.91	43	17213	3.549	ug/l #	92
38) Carbon Tetrachloride	7.65	117	37261	7.216	ug/l #	15
39) Methylcyclohexane	9.07	83	20879	3.125	ug/l	98
40) Benzene	8.03	78	421955	25.659	ug/l	99
41) Methacrylonitrile	7.18	41	6239	2.796	ug/l #	33
43) Isopropyl Acetate	8.22	43	89912	9.858	ug/l #	74
48) Methyl methacrylate	9.21	41	1461	0.352	ug/l #	13
51) 4-Methyl-2-Pentanone	9.98	43	23000	4.909	ug/l	100
52) Toluene	10.15	92	2701720	261.019	ug/l	83
53) t-1,3-Dichloropropene	10.15	75	35514	6.166	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	5700	1.512	ug/l #	18
59) 2-Hexanone	10.75	43	32568	9.547	ug/l	85
60) Dibromochloromethane	10.63	129	5518	0.871	ug/l #	11
64) Tetrachloroethene	10.63	164	5429	1.653	ug/l	91
67) Ethyl Benzene	11.51	91	1021521	54.883	ug/l	99
68) m/p-Xylenes	11.62	106	1553623	221.856	ug/l	95
69) o-Xylene	11.95	106	997144	147.917	ug/l	100
70) Styrene	11.95	104	53022	4.841	ug/l #	1
71) Bromoform	12.41	173	1282	1.223	ug/l #	1
73) Isopropylbenzene	12.25	105	71460	4.081	ug/l	100
74) N-amyl acetate	12.03	43	24564	3.527	ug/l #	48

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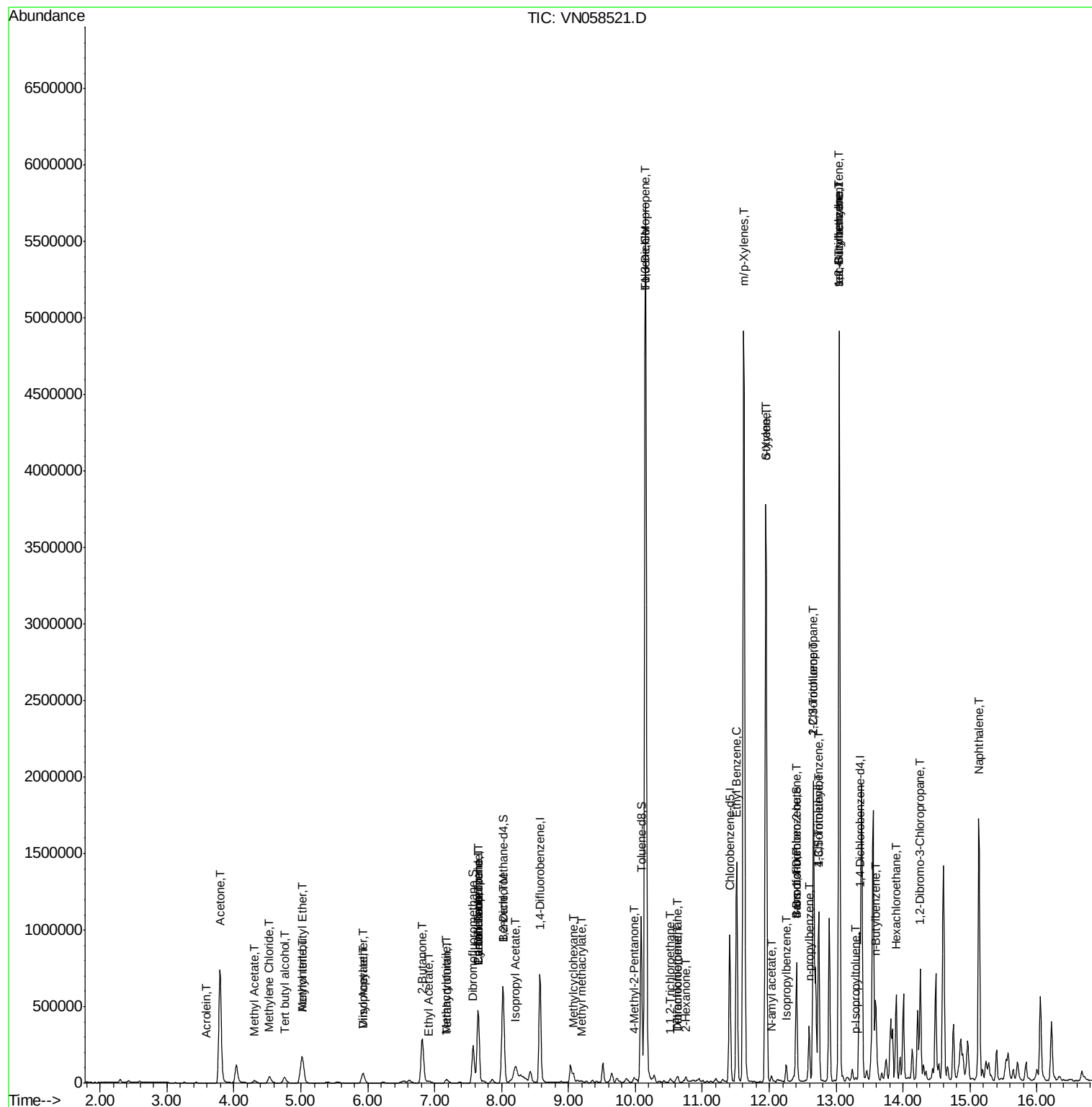
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,2,3-Trichloropropane	12.66	75	11751	2.716	ug/l #	100
78) n-propylbenzene	12.60	91	283468	14.371	ug/l	99
79) 2-Chlorotoluene	12.66	91	154427	12.684	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.74	105	568978	38.821	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.41	75	141559	99.355	ug/l #	7
82) 4-Chlorotoluene	12.74	91	64053	5.156	ug/l #	43
83) tert-Butylbenzene	13.05	119	327482	26.480	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.05	105	2635855	179.502	ug/l	95
85) sec-Butylbenzene	13.05	105	2635855	161.930	ug/l #	58
86) p-Isopropyltoluene	13.30	119	10839	0.756	ug/l #	74
89) n-Butylbenzene	13.59	91	19531	1.505	ug/l #	1
90) Hexachloroethane	13.90	117	26736	12.419	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	3245	3.554	ug/l #	5
95) Naphthalene	15.13	128	1311120	113.310	ug/l	99

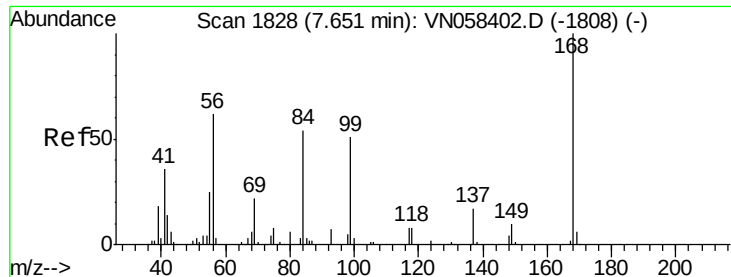
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

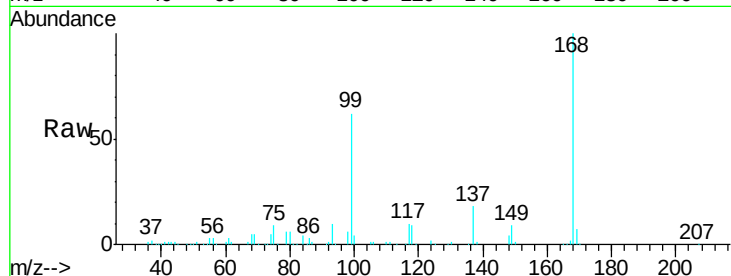
30474

Tgt Ion:168 Resp: 361895

Ion Ratio Lower Upper

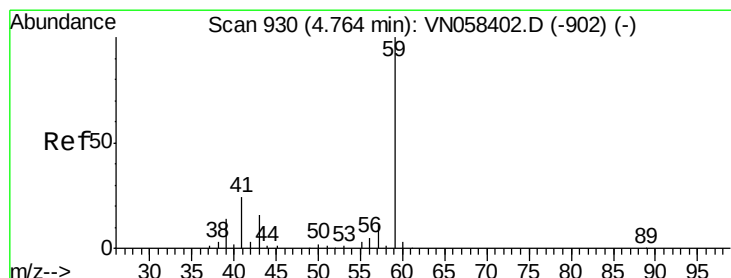
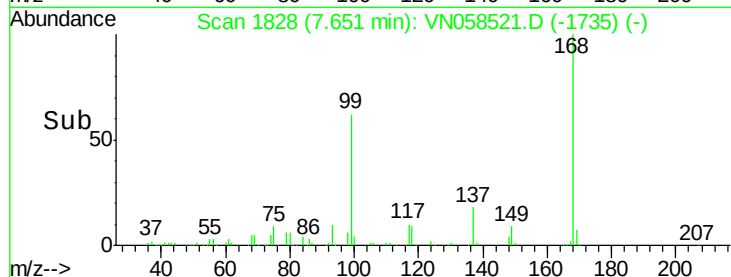
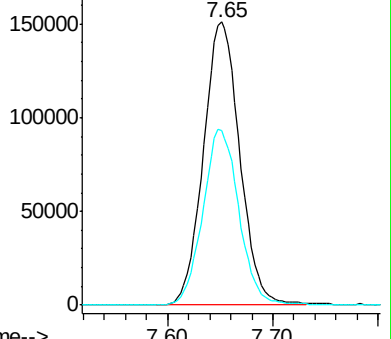
168 100

99 61.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 102.546 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN058521.D

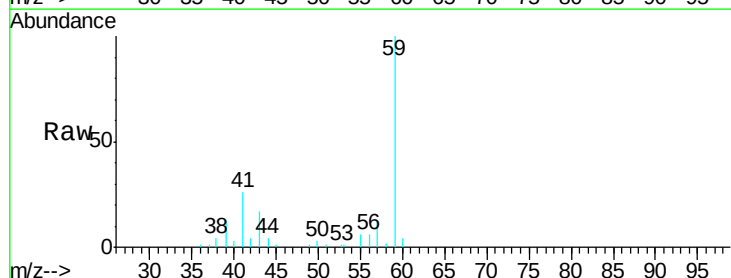
Acq: 3 Oct 2019 19:24

Tgt Ion: 59 Resp: 60247

Ion Ratio Lower Upper

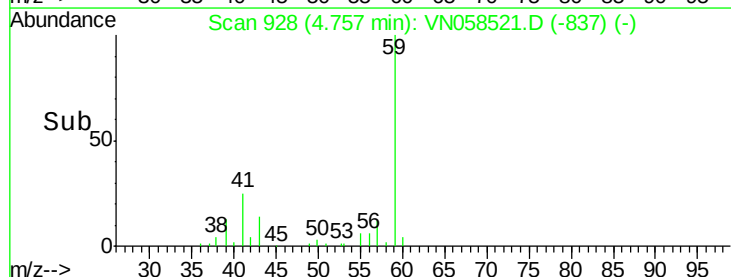
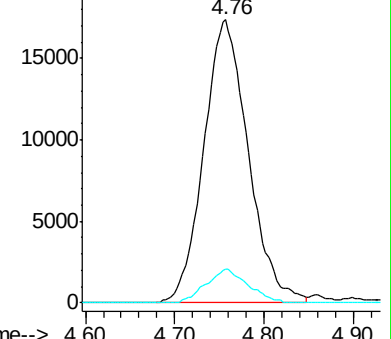
59 100

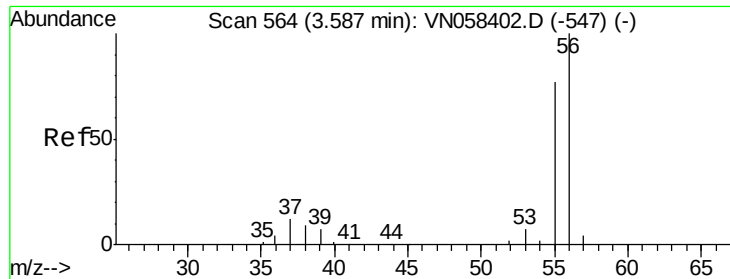
57 11.2 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

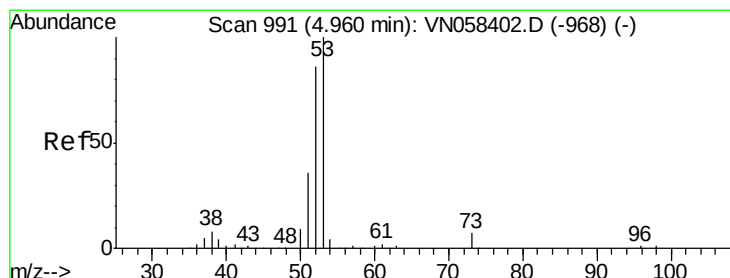
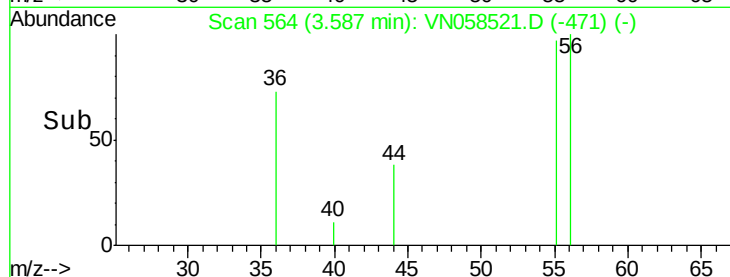
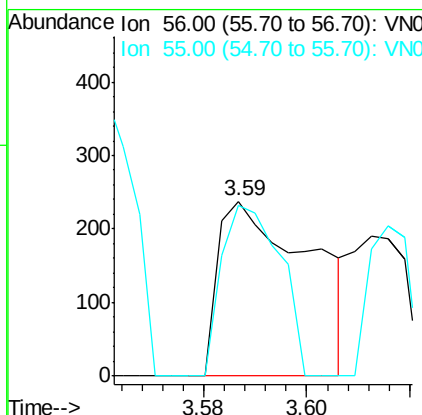
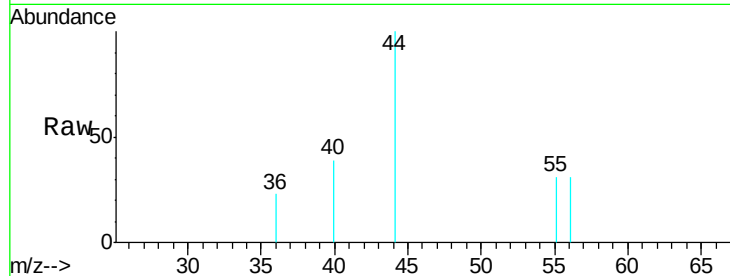




#13
Acrolein
Concen: 1.557 ug/l
RT: 3.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VN058521.D
Acq: 3 Oct 2019 19:24

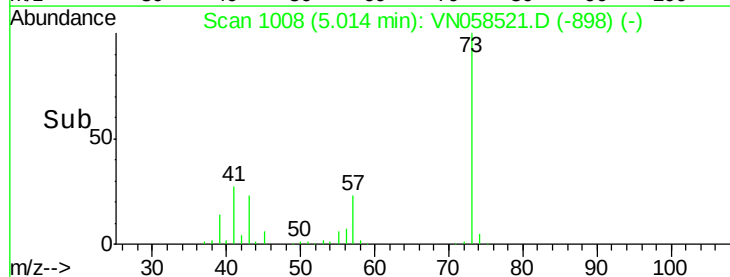
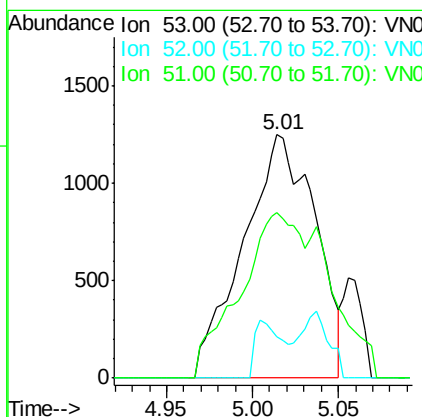
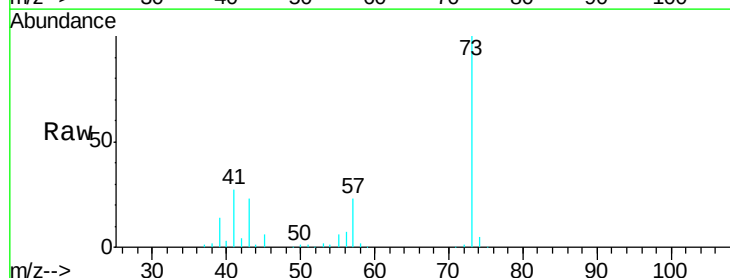
Instrument :
MSVOA_N
ClientSampled :
30474

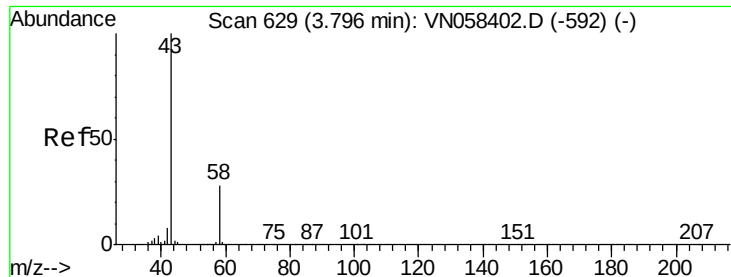
Tgt Ion: 56 Resp: 291
Ion Ratio Lower Upper
56 100
55 62.9 58.3 87.5



#15
Acrylonitrile
Concen: 2.122 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.05 min
Lab File: VN058521.D
Acq: 3 Oct 2019 19:24

Tgt Ion: 53 Resp: 3634
Ion Ratio Lower Upper
53 100
52 8.6 66.6 100.0#
51 57.5 29.8 44.8#





#16

Acetone

Concen: 687.606 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

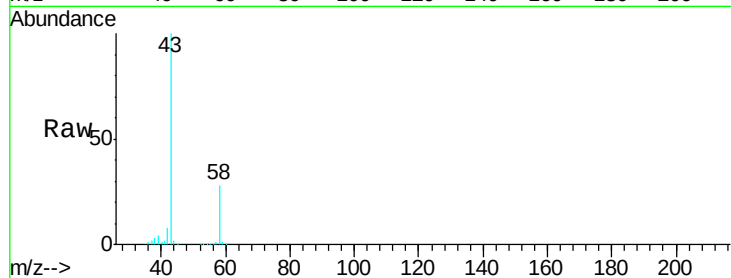
30474

Tgt Ion: 43 Resp: 1239617

Ion Ratio Lower Upper

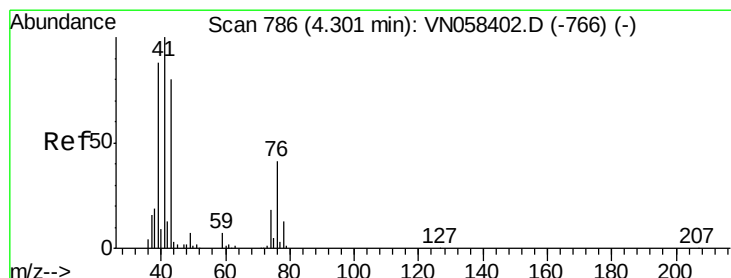
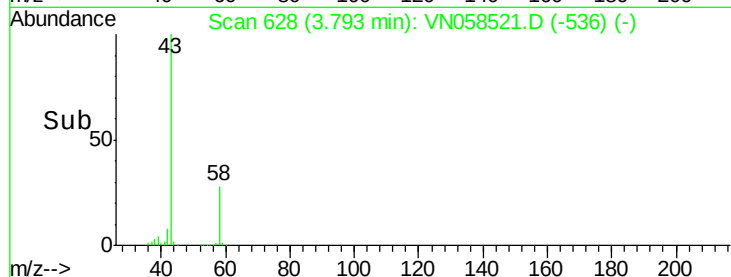
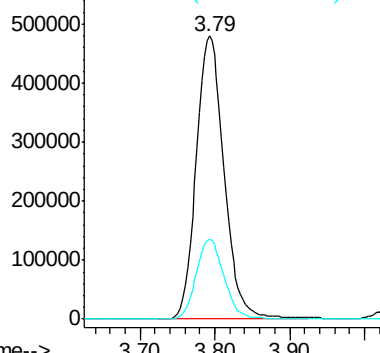
43 100

58 28.1 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 5.785 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058521.D

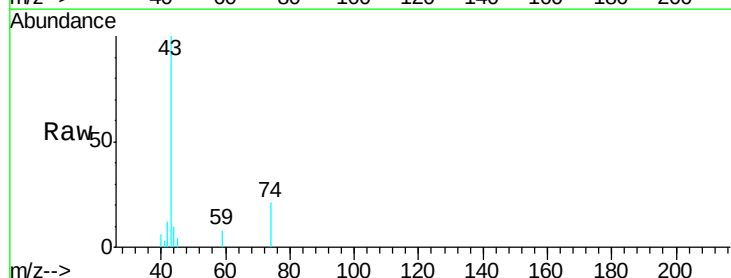
Acq: 3 Oct 2019 19:24

Tgt Ion: 43 Resp: 26231

Ion Ratio Lower Upper

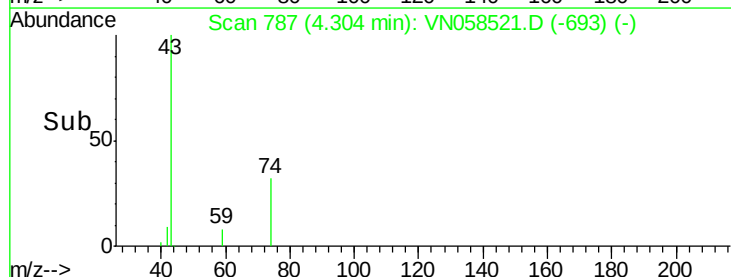
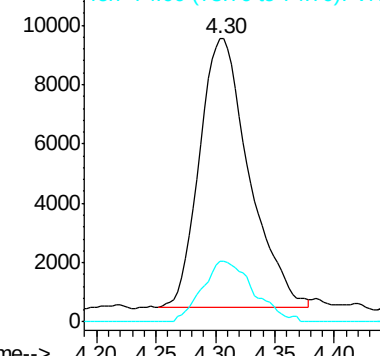
43 100

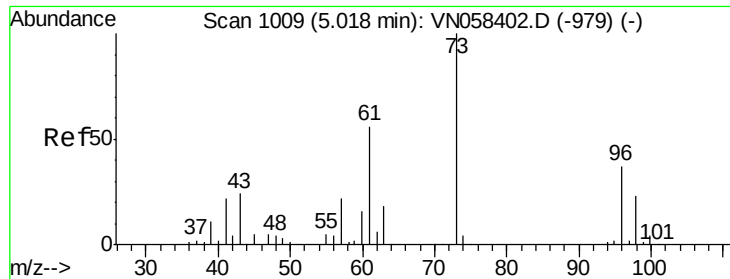
74 23.3 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

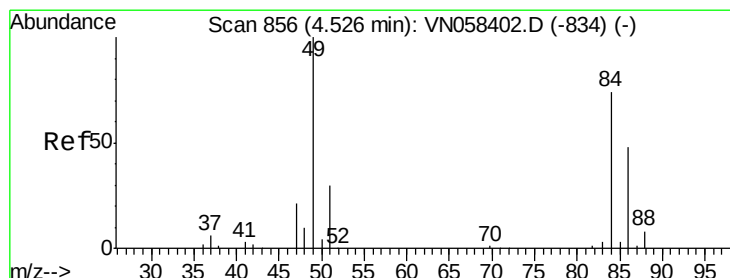
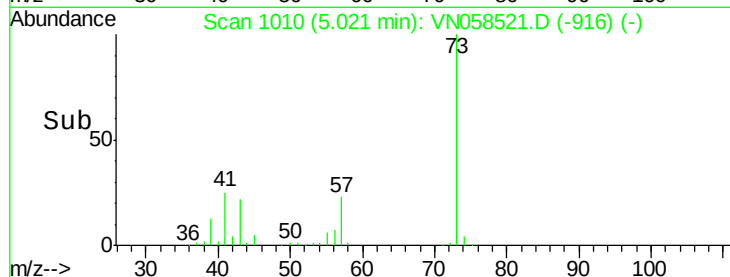
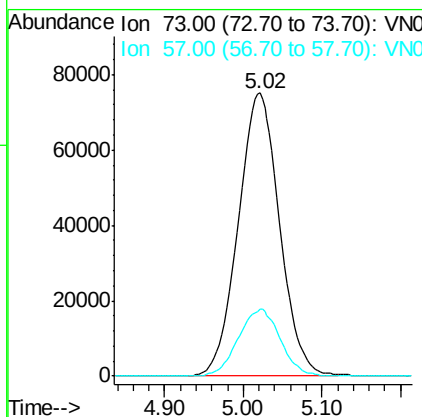
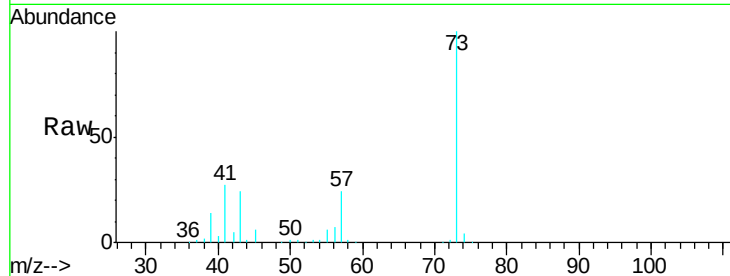




#19
Methyl tert-butyl Ether
Concen: 22.993 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058521.D
Acq: 3 Oct 2019 19:24

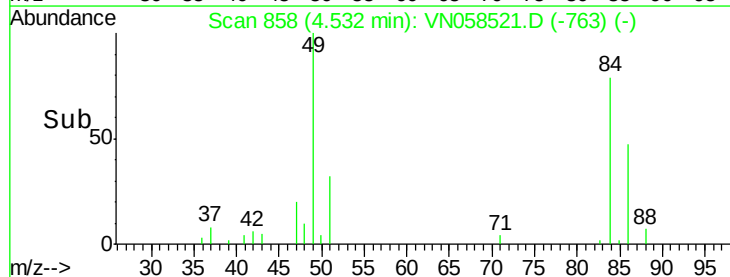
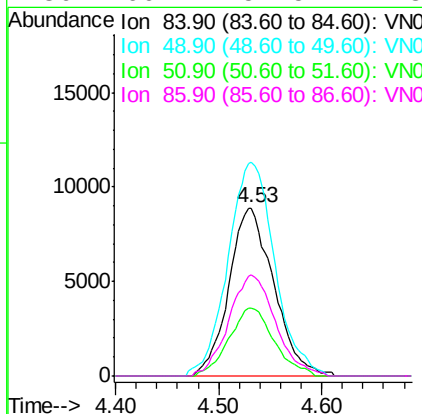
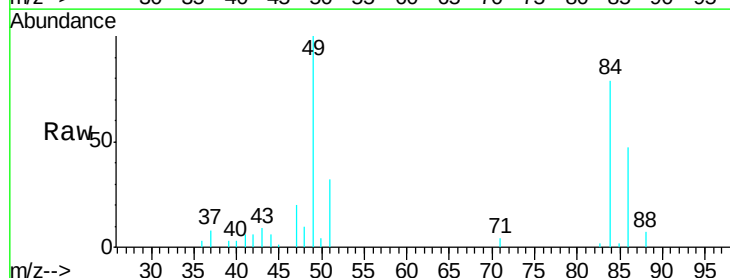
Instrument :
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ClientSampleId :
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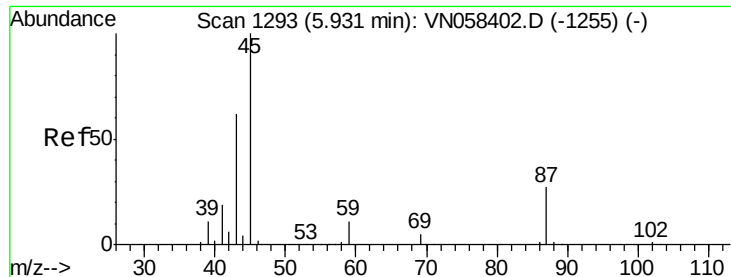
Tgt Ion: 73 Resp: 276968
Ion Ratio Lower Upper
73 100
57 23.8 17.6 26.4



#20
Methylene Chloride
Concen: 6.471 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058521.D
Acq: 3 Oct 2019 19:24

Tgt Ion: 84 Resp: 26921
Ion Ratio Lower Upper
84 100
49 126.9 107.9 161.9
51 40.4 32.8 49.2
86 60.1 51.5 77.3





#22

Diisopropyl ether

Concen: 6.206 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

30474

Tgt Ion: 45 Resp: 82976

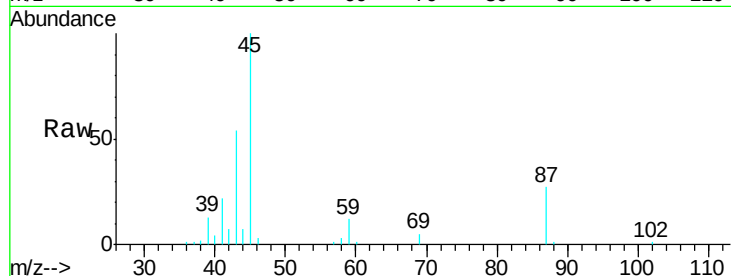
Ion Ratio Lower Upper

45 100

43 53.8 49.7 74.5

87 26.8 21.5 32.3

59 11.7 8.9 13.3

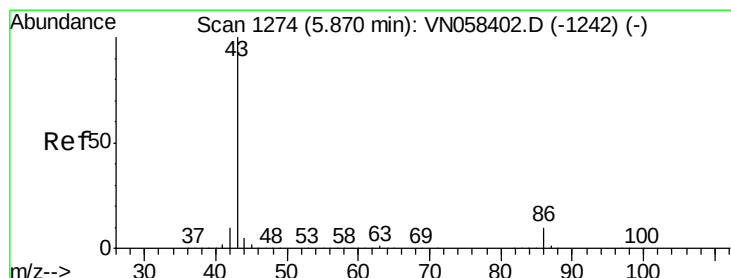
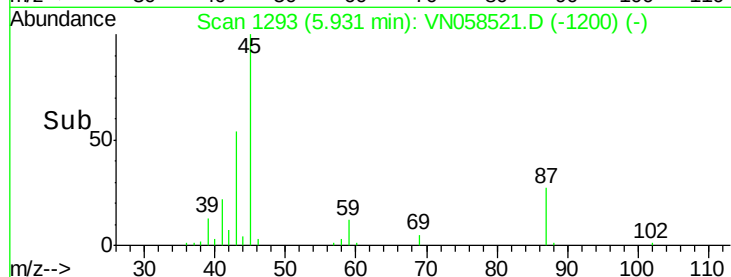
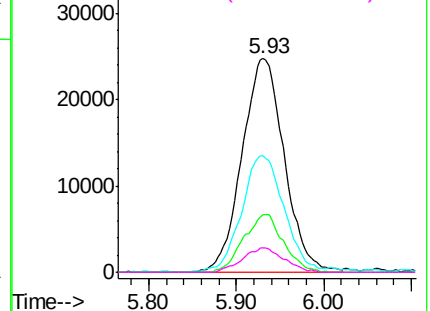


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#23

Vinyl Acetate

Concen: 4.511 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.06 min

Lab File: VN058521.D

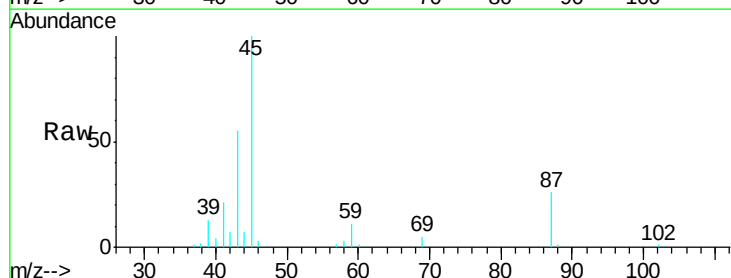
Acq: 3 Oct 2019 19:24

Tgt Ion: 43 Resp: 45470

Ion Ratio Lower Upper

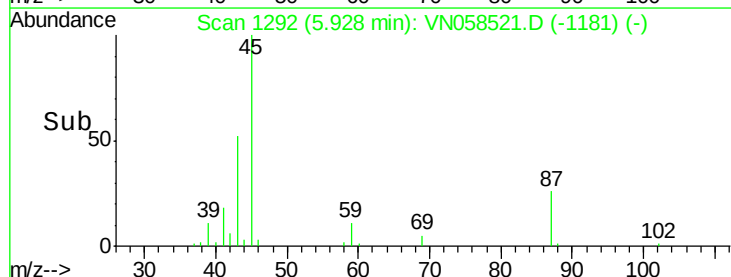
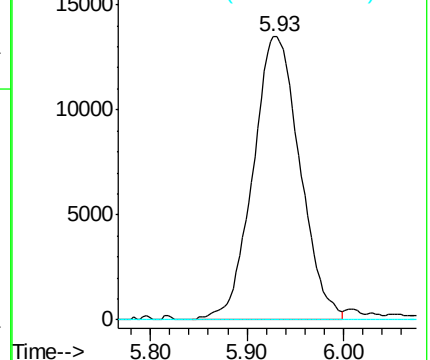
43 100

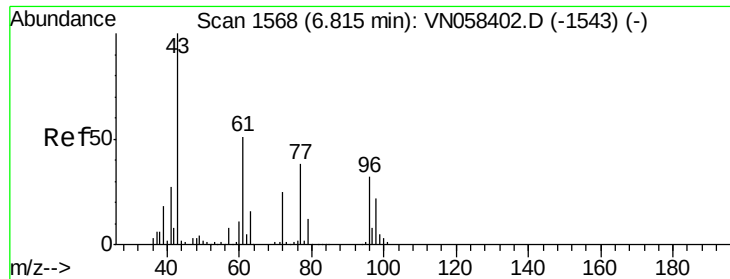
86 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#25

2-Butanone

Concen: 208.544 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

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ClientSampleId :

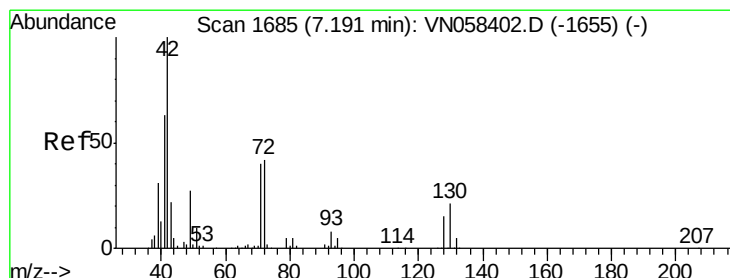
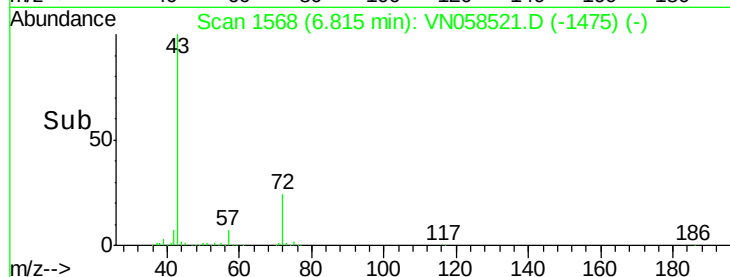
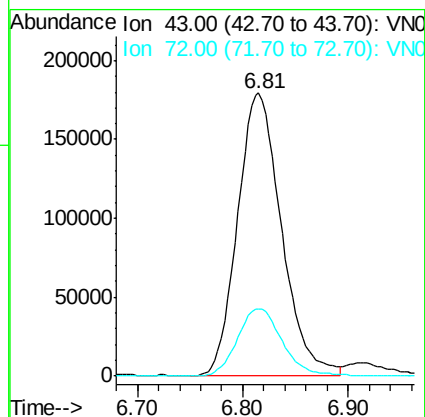
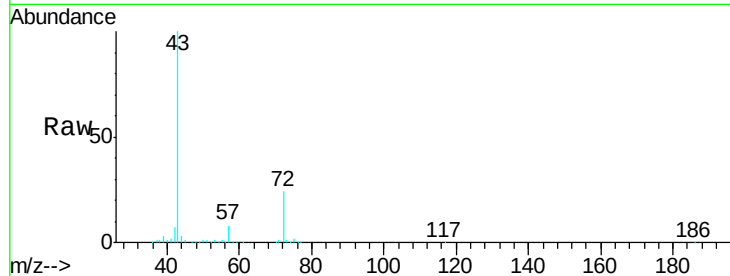
30474

Tgt Ion: 43 Resp: 516185

Ion Ratio Lower Upper

43 100

72 23.9 20.2 30.4



#29

Tetrahydrofuran

Concen: 3.770 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

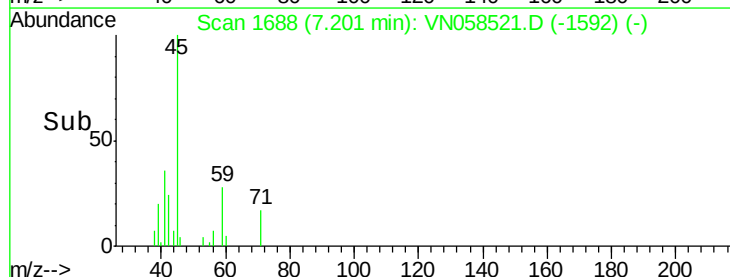
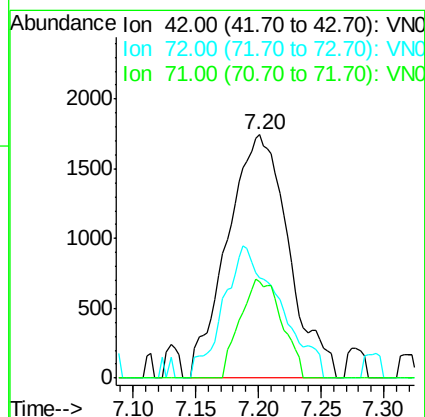
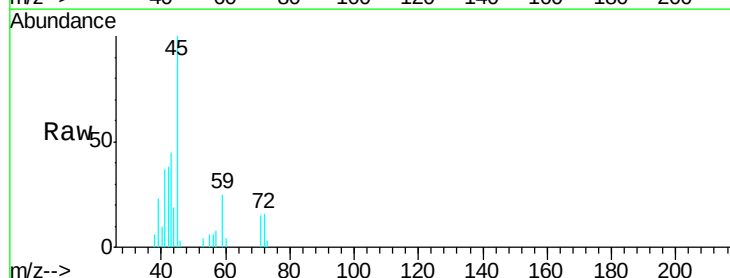
Tgt Ion: 42 Resp: 5922

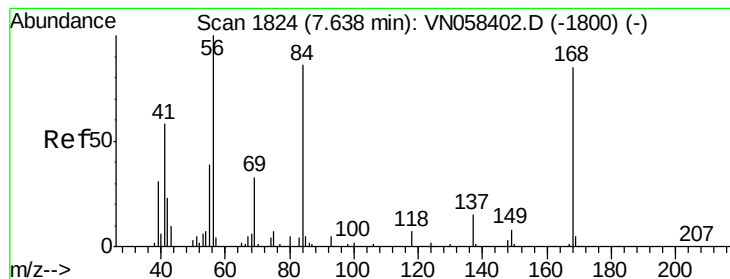
Ion Ratio Lower Upper

42 100

72 49.7 33.7 50.5

71 27.8 31.8 47.6#





#31

Cyclohexane

Concen: 2.401 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

30474

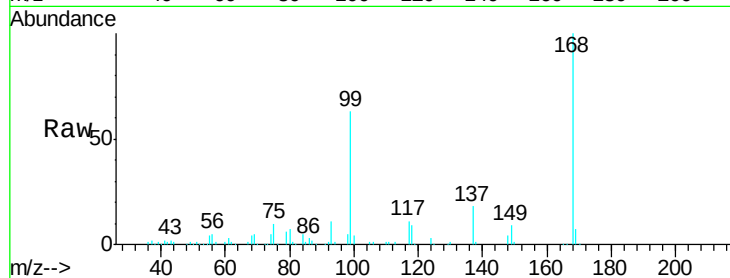
Tgt Ion: 56 Resp: 17571

Ion Ratio Lower Upper

56 100

69 101.0 26.2 39.4#

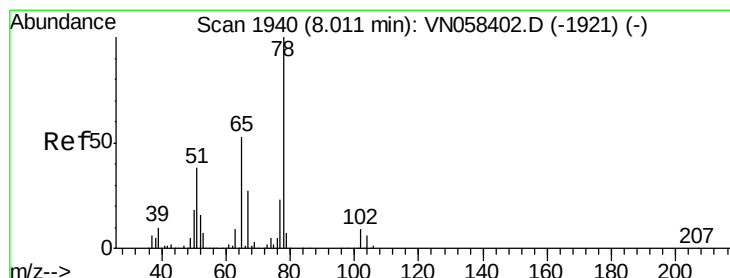
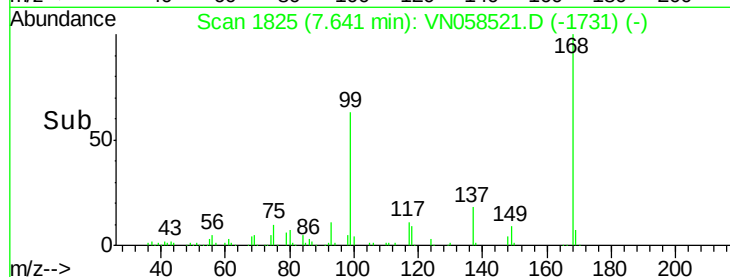
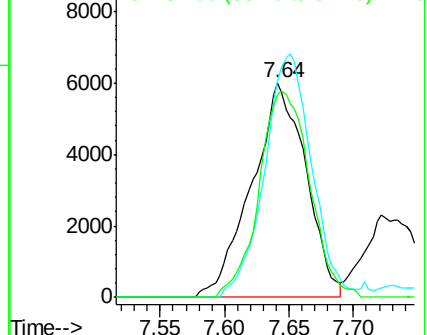
84 94.2 67.6 101.4



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: 49.121 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058521.D

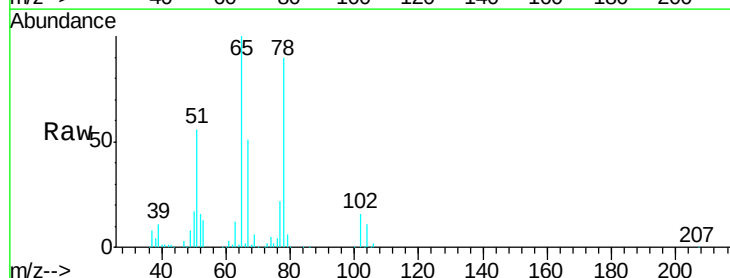
Acq: 3 Oct 2019 19:24

Tgt Ion: 65 Resp: 259779

Ion Ratio Lower Upper

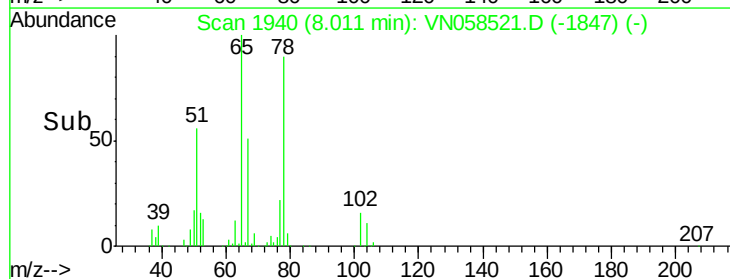
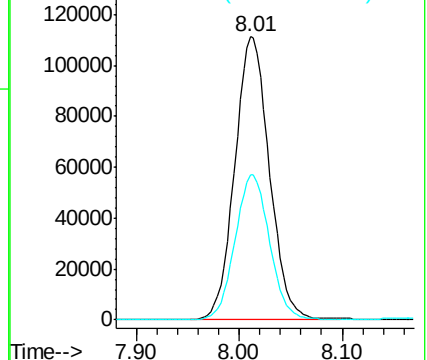
65 100

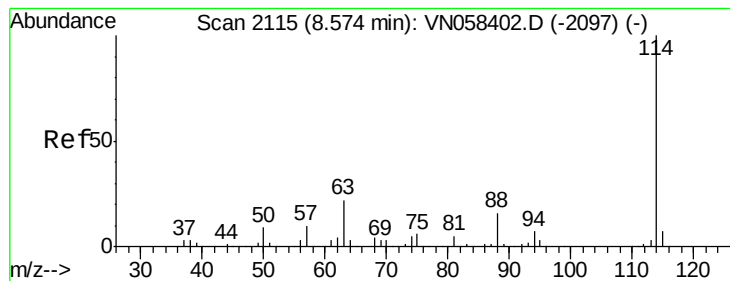
67 51.1 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

30474

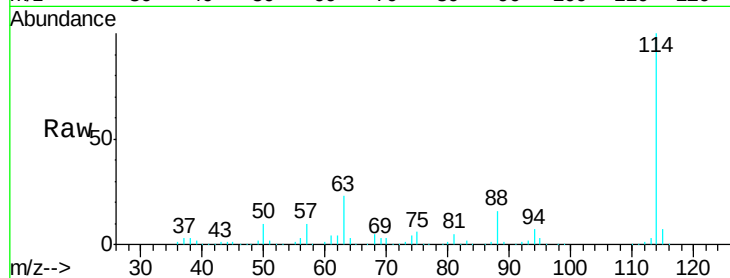
Tgt Ion:114 Resp: 598298

Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.0

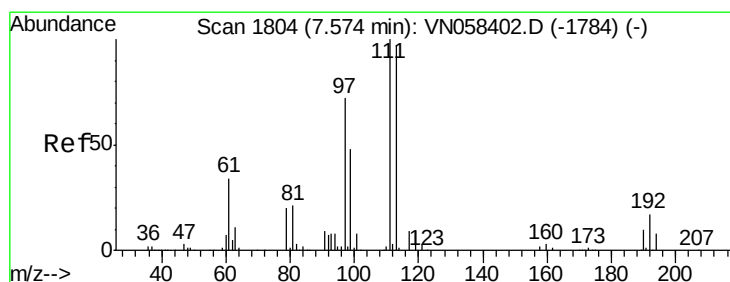
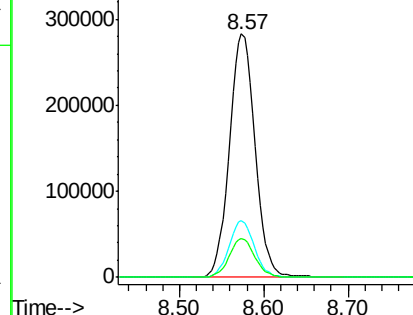
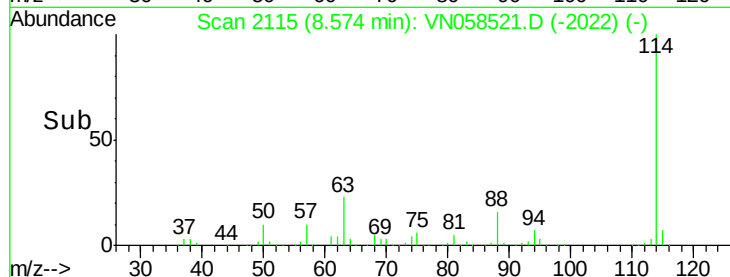
88 15.9 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.217 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

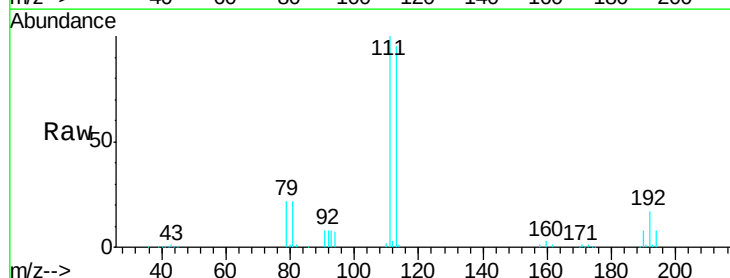
Tgt Ion:113 Resp: 184140

Ion Ratio Lower Upper

113 100

111 101.1 83.4 125.2

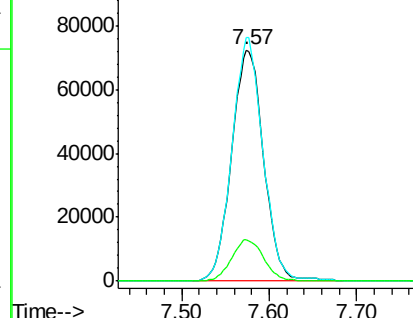
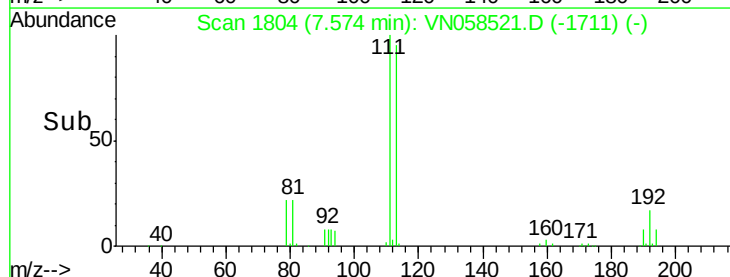
192 18.0 14.9 22.3

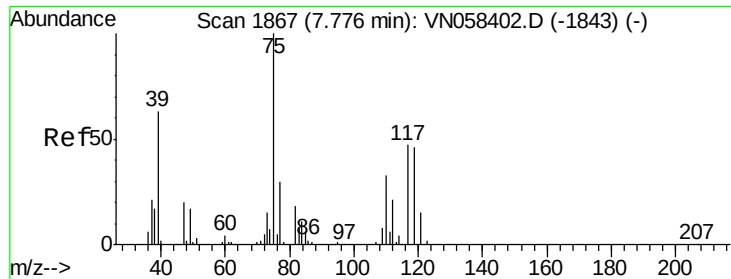


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

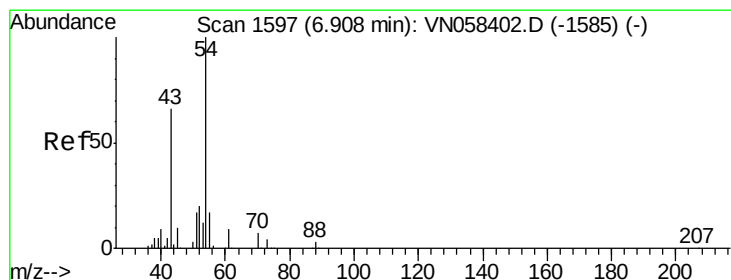
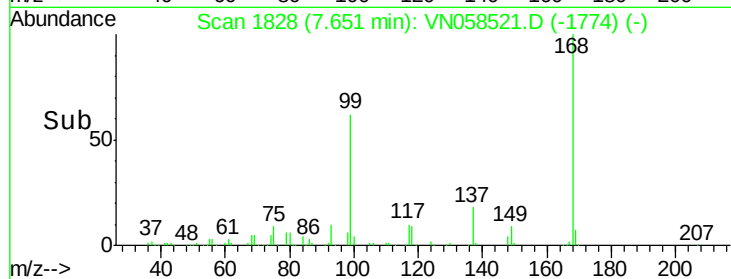
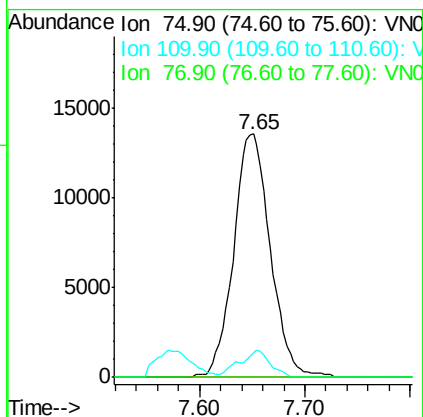
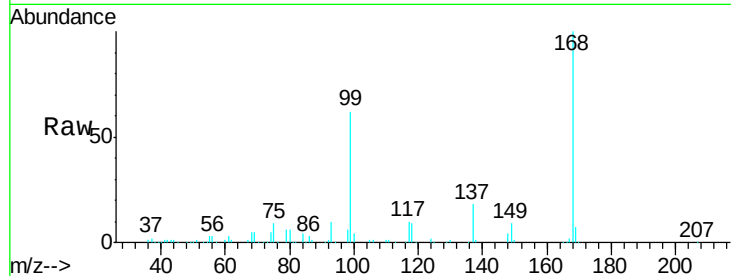




#36
 1,1-Dichloropropene
 Concen: 5.713 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058521.D
 Acq: 3 Oct 2019 19:24

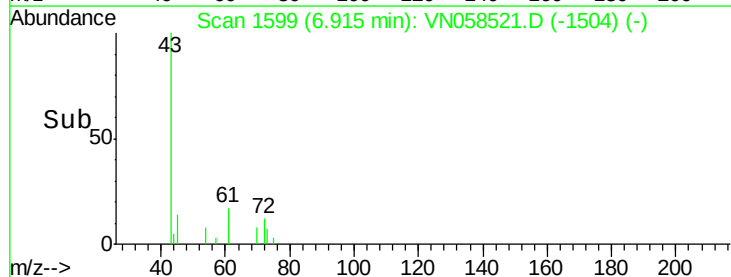
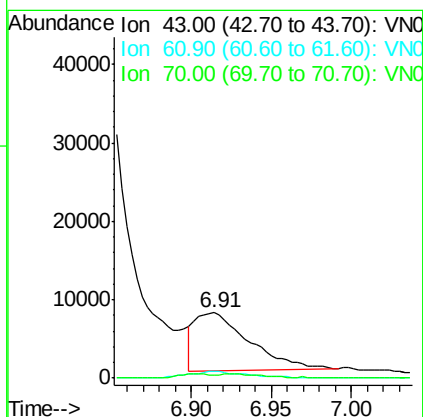
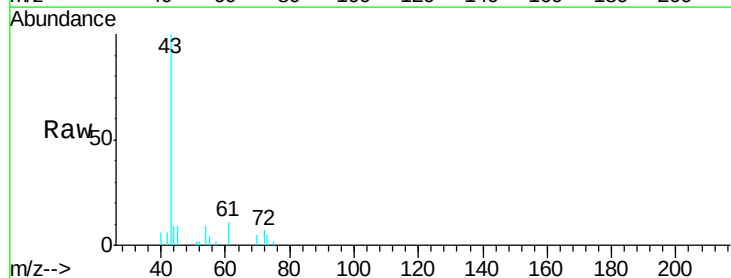
Instrument :
 MSVOA_N
 ClientSampled :
 30474

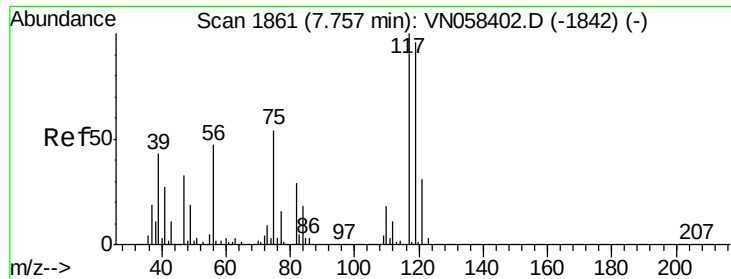
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.4	49.2#
77	0.0	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 3.549 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: VN058521.D
 Acq: 3 Oct 2019 19:24

Tgt Ion	Ratio	Lower	Upper
43	100		
61	11.7	10.5	15.7
70	4.3	7.8	11.6#





#38

Carbon Tetrachloride

Concen: 7.216 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

30474

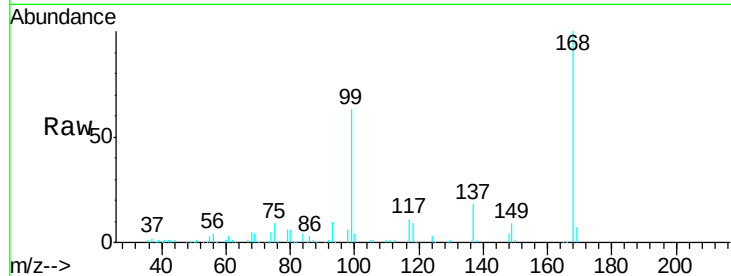
Tgt Ion:117 Resp: 37261

Ion Ratio Lower Upper

117 100

119 4.1 76.6 115.0#

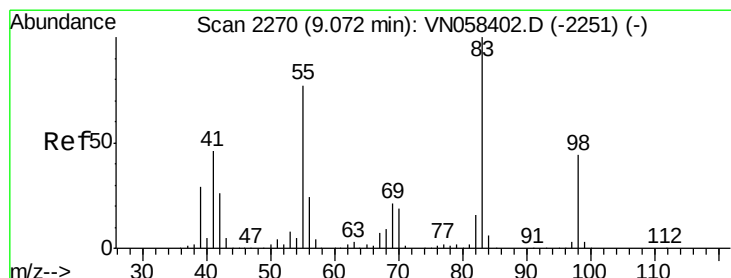
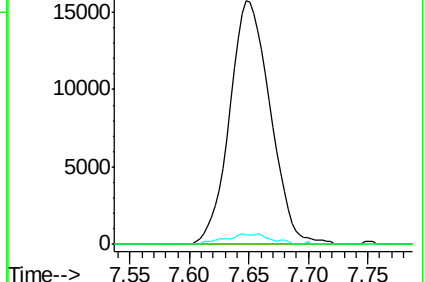
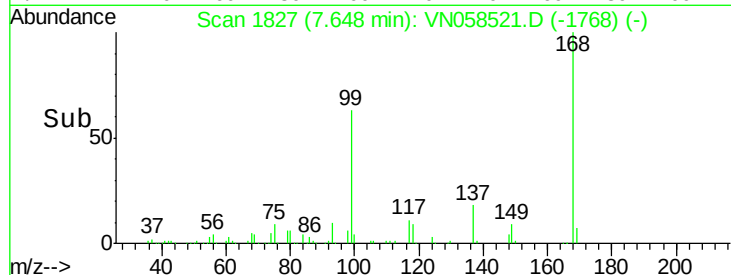
121 0.0 24.7 37.1#



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: 3.125 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

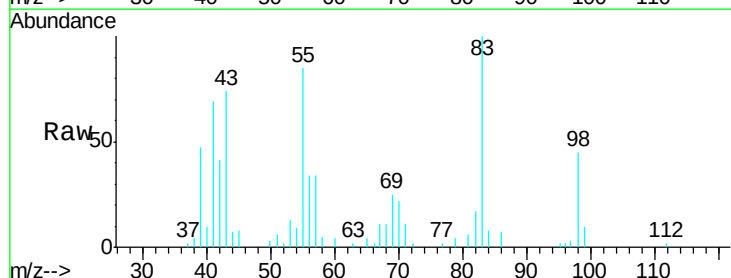
Tgt Ion: 83 Resp: 20879

Ion Ratio Lower Upper

83 100

55 79.4 61.8 92.6

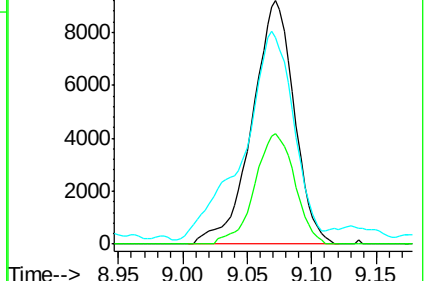
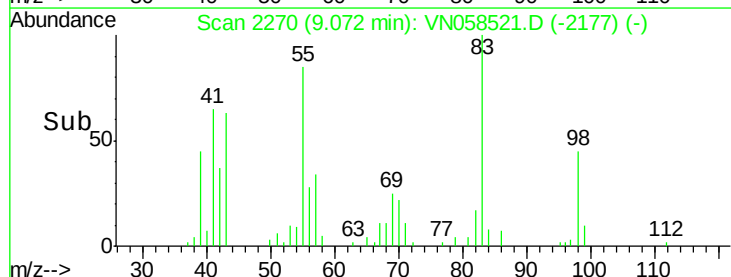
98 45.3 35.4 53.0

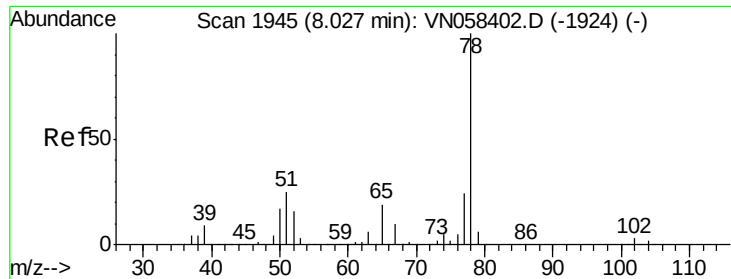


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 25.659 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

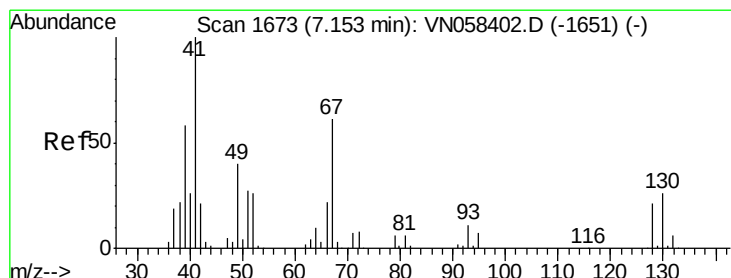
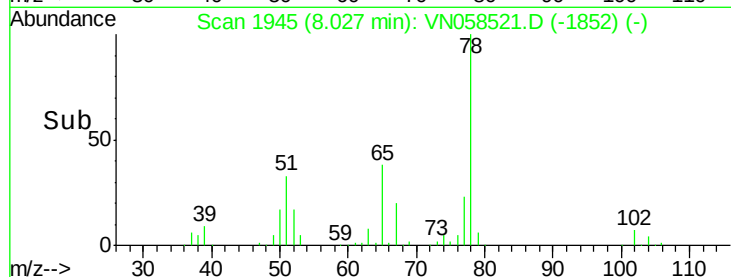
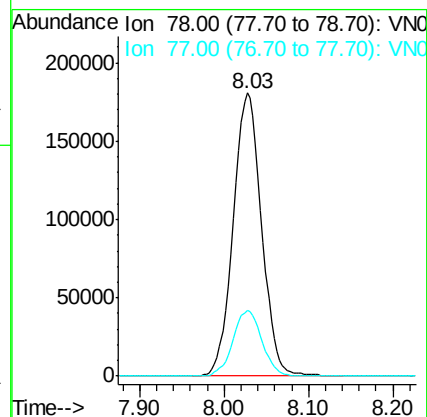
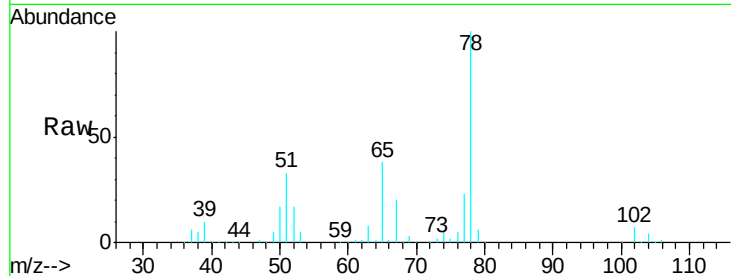
30474

Tgt Ion: 78 Resp: 421955

Ion Ratio Lower Upper

78 100

77 23.1 18.9 28.3



#41

Methacrylonitrile

Concen: 2.796 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.02 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Tgt Ion: 41 Resp: 6239

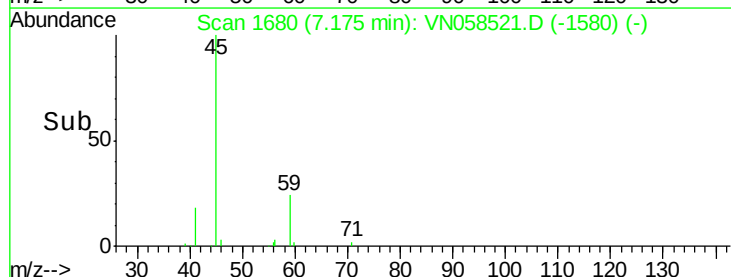
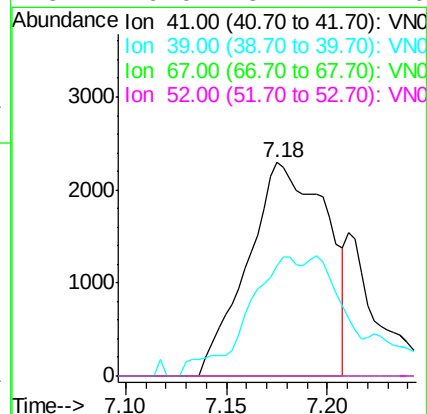
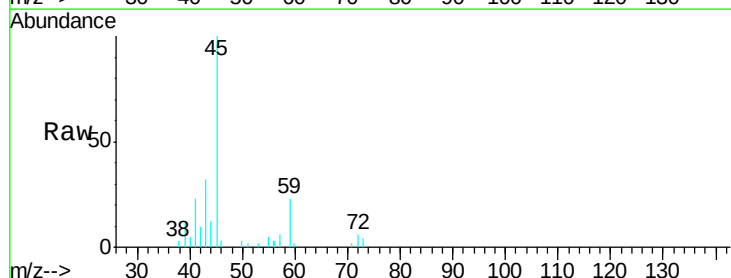
Ion Ratio Lower Upper

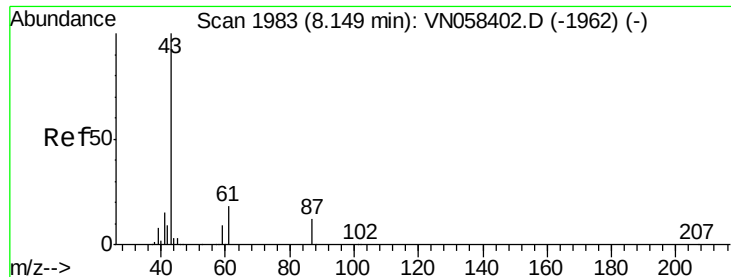
41 100

39 39.2 50.2 75.4#

67 0.0 70.2 105.4#

52 0.0 31.4 47.0#





#43

Isopropyl Acetate

Concen: 9.858 ug/l

RT: 8.22 min Scan# 2004

Delta R.T. 0.07 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

30474

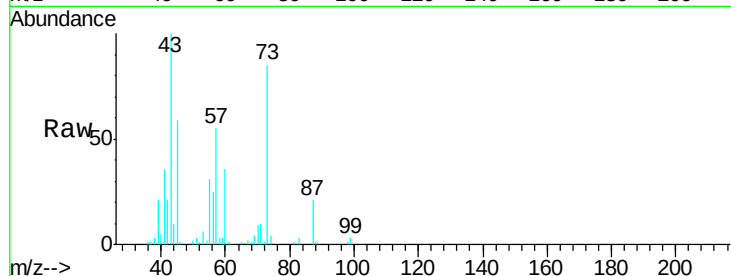
Tgt Ion: 43 Resp: 89912

Ion Ratio Lower Upper

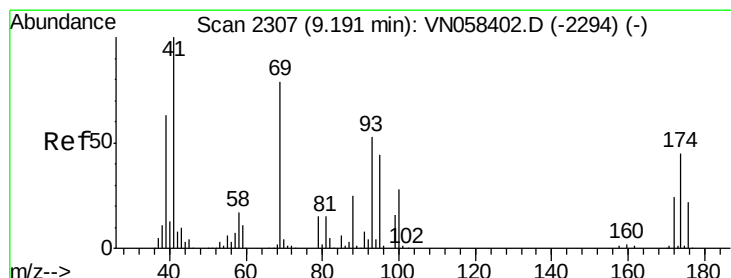
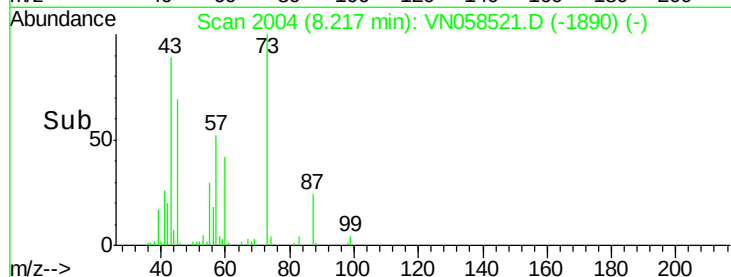
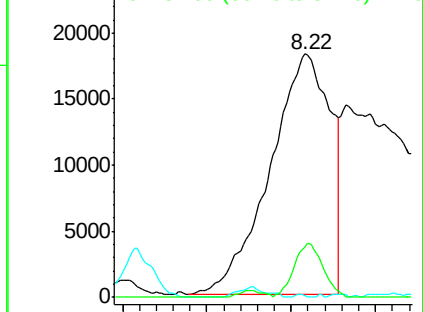
43 100

61 0.0 14.8 22.2#

87 10.8 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#48

Methyl methacrylate

Concen: 0.352 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.02 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

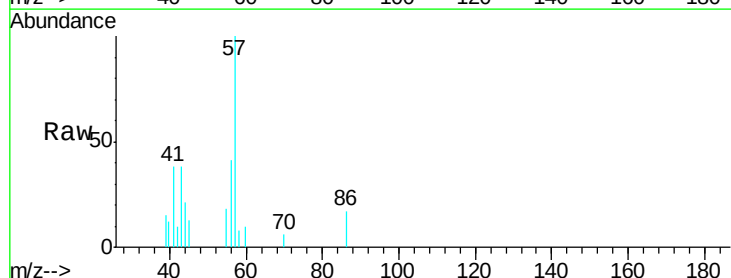
Tgt Ion: 41 Resp: 1461

Ion Ratio Lower Upper

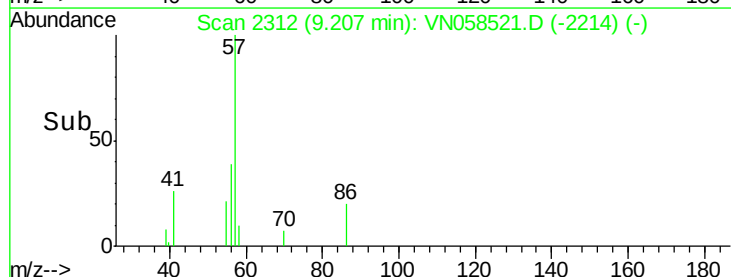
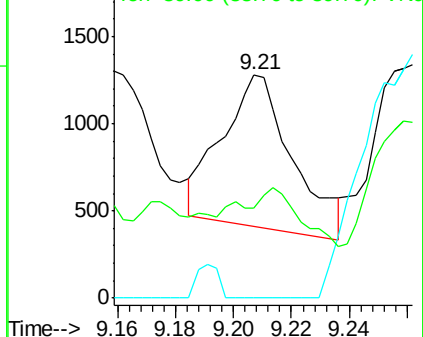
41 100

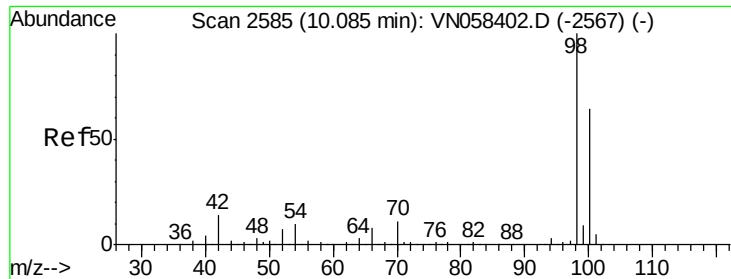
69 0.0 64.7 97.1#

39 0.0 52.9 79.3#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 51.767 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

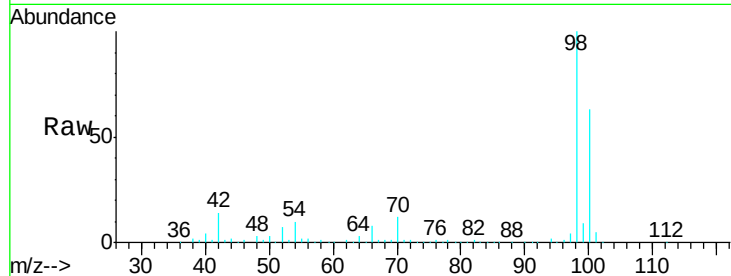
30474

Tgt Ion: 98 Resp: 743624

Ion Ratio Lower Upper

98 100

100 63.2 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN058402.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN058402.D (-2567) (-)

10.08

400000

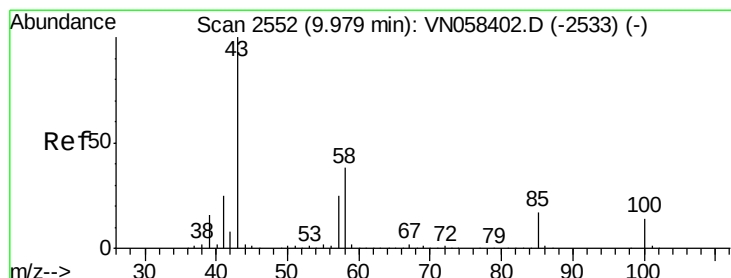
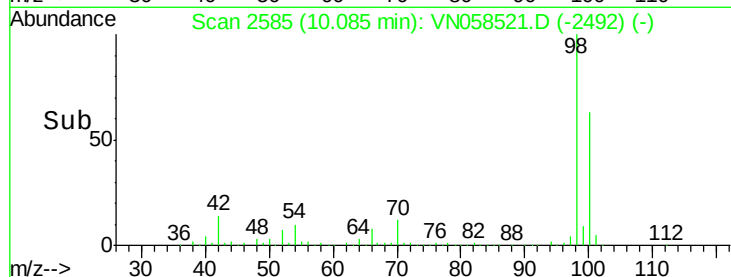
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 4.909 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN058521.D

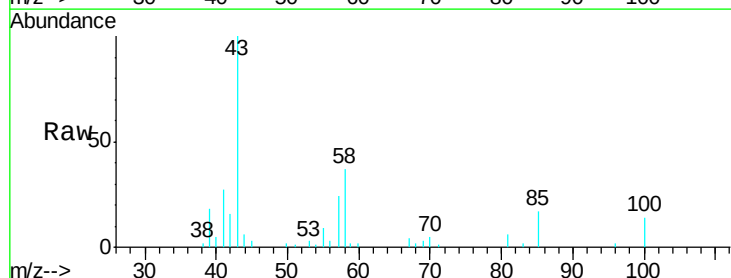
Acq: 3 Oct 2019 19:24

Tgt Ion: 43 Resp: 23000

Ion Ratio Lower Upper

43 100

58 37.8 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058402.D (-2533) (-)

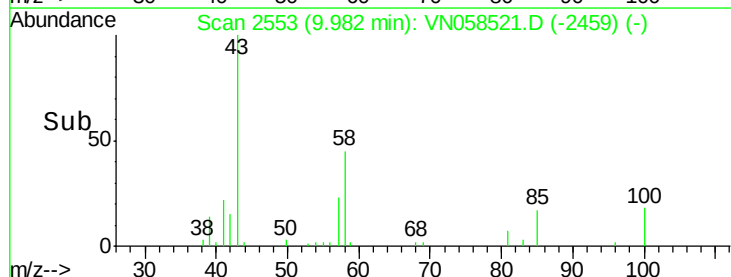
9.98

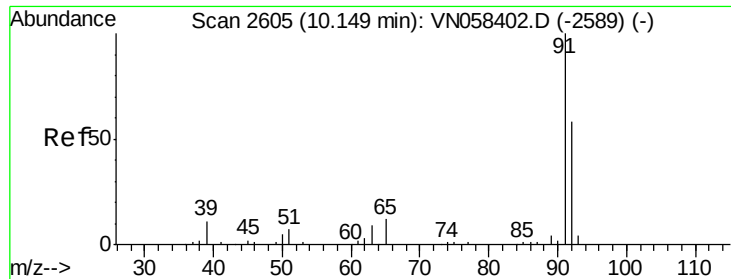
10000

5000

0

Time-->





#52

Toluene

Concen: 261.019 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

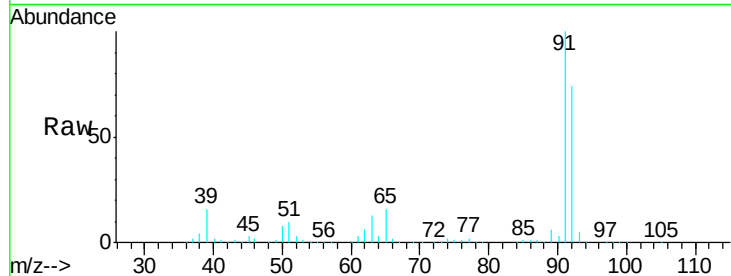
30474

Tgt Ion: 92 Resp: 2701720

Ion Ratio Lower Upper

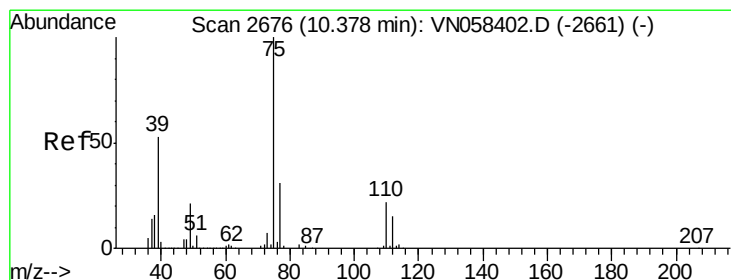
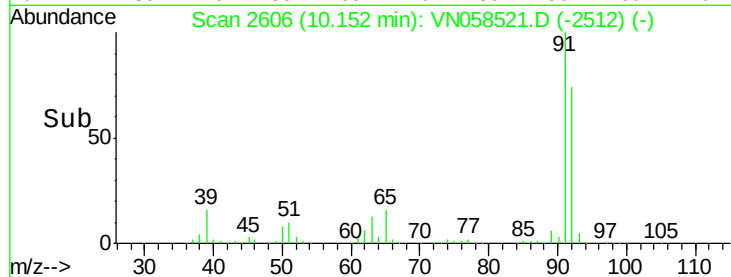
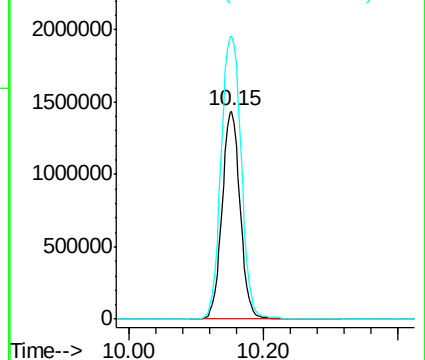
92 100

91 152.1 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 6.166 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.23 min

Lab File: VN058521.D

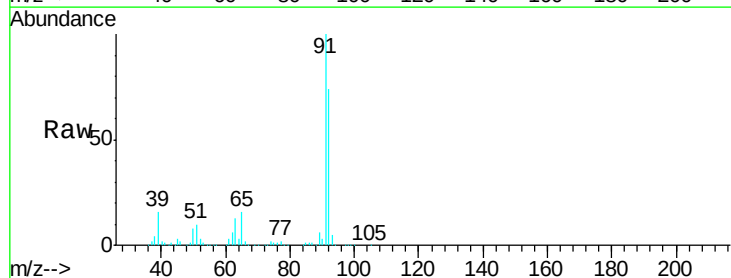
Acq: 3 Oct 2019 19:24

Tgt Ion: 75 Resp: 35514

Ion Ratio Lower Upper

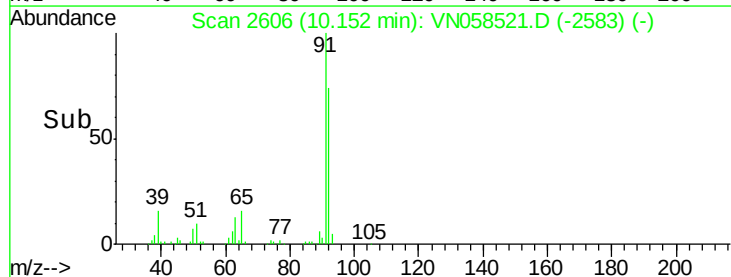
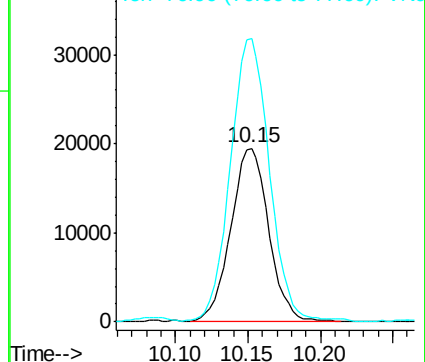
75 100

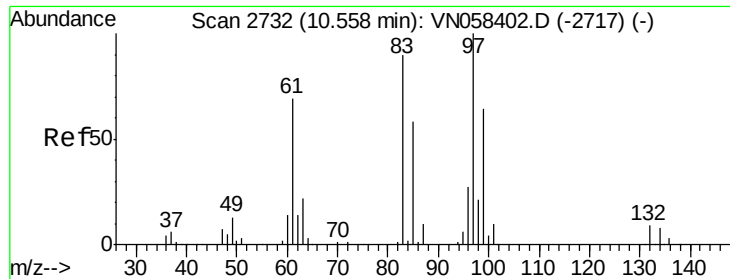
77 161.9 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

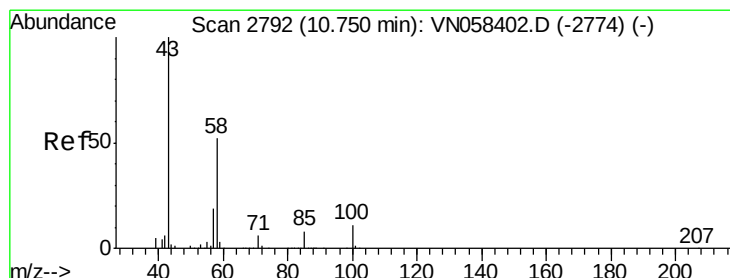
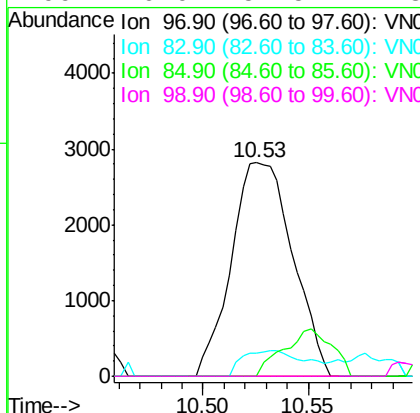
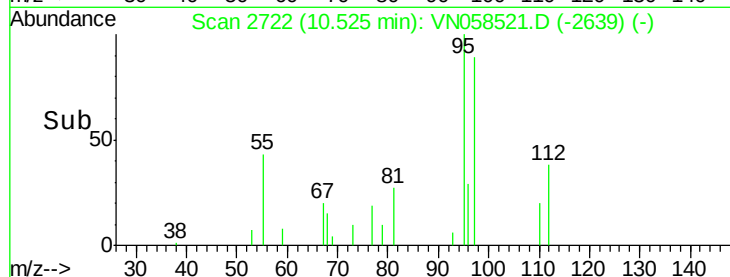
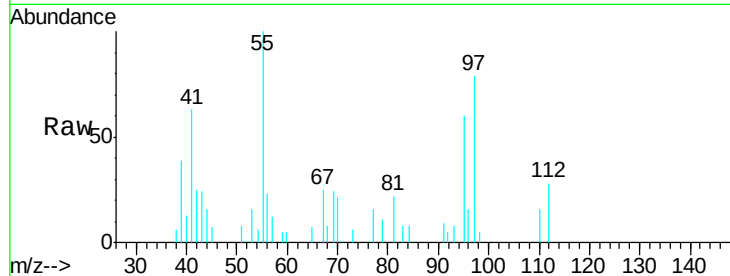




#55
 1,1,2-Trichloroethane
 Concen: 1.512 ug/l
 RT: 10.53 min Scan# 2722
 Delta R.T. -0.03 min
 Lab File: VN058521.D
 Acq: 3 Oct 2019 19:24

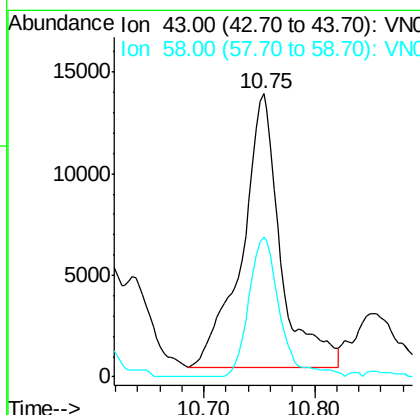
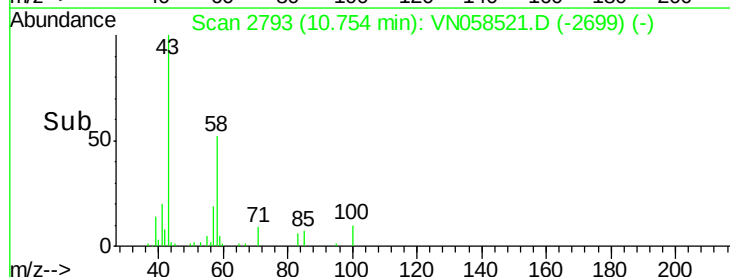
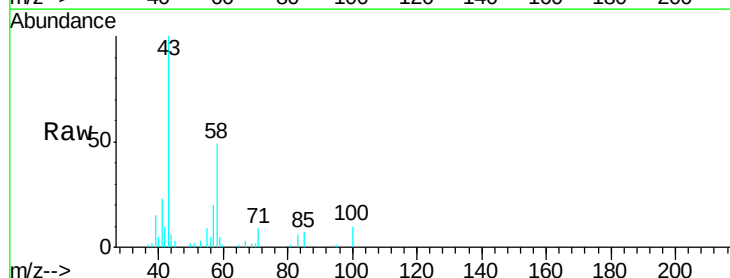
Instrument :
 MSVOA_N
 ClientSampled :
 30474

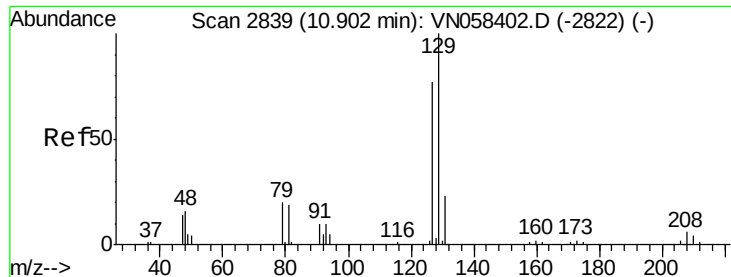
Tgt Ion: 97 Resp: 5700
 Ion Ratio Lower Upper
 97 100
 83 10.6 71.8 107.6#
 85 0.0 46.6 69.8#
 99 0.0 51.5 77.3#



#59
 2-Hexanone
 Concen: 9.547 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN058521.D
 Acq: 3 Oct 2019 19:24

Tgt Ion: 43 Resp: 32568
 Ion Ratio Lower Upper
 43 100
 58 41.2 25.8 77.3

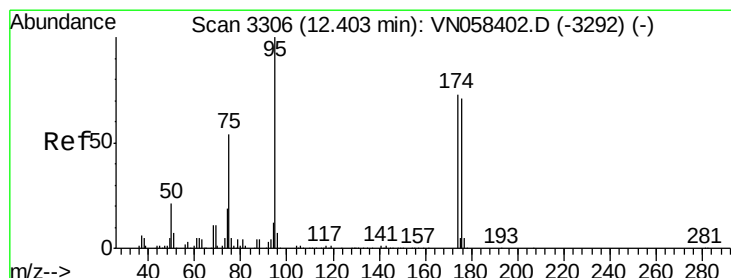
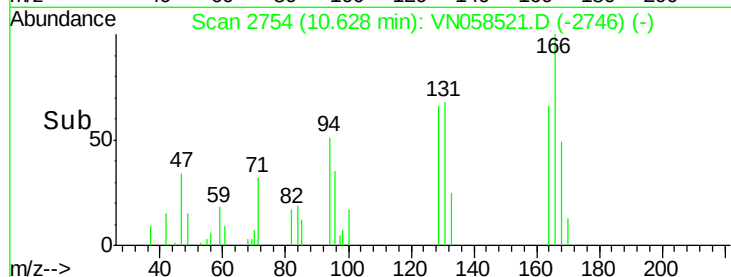
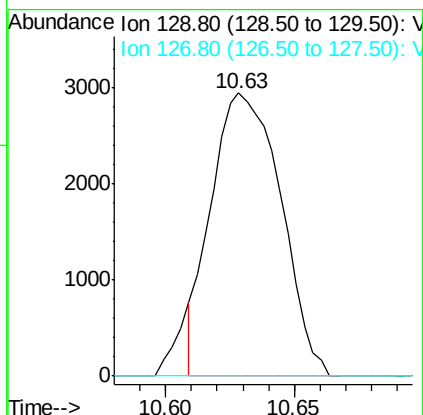
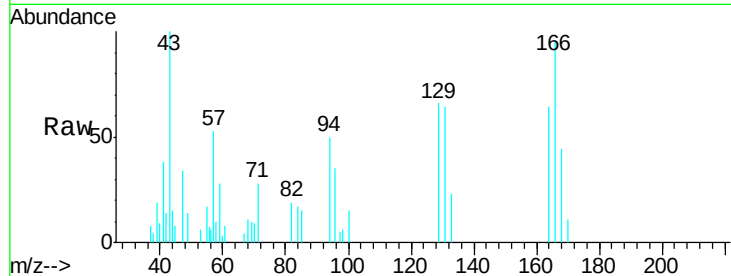




#60
Dibromochloromethane
Concen: 0.871 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN058521.D
Acq: 3 Oct 2019 19:24

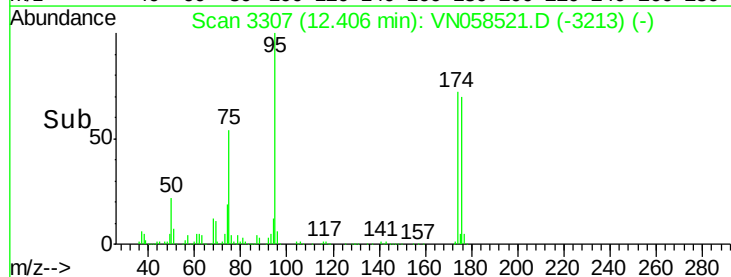
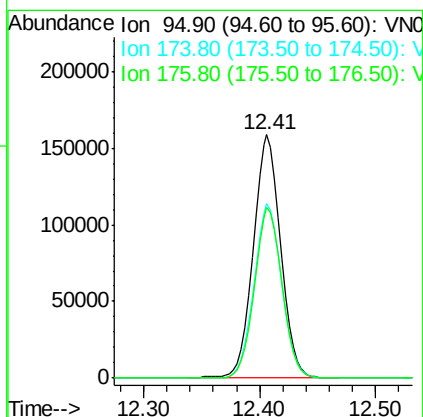
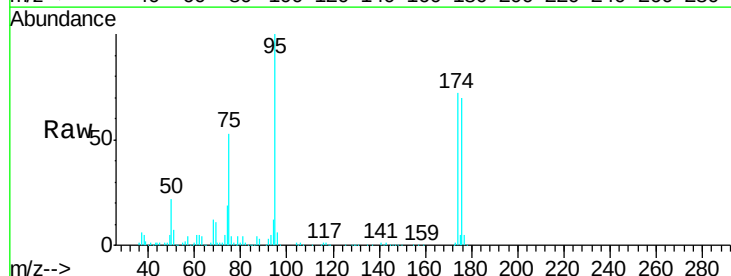
Instrument :
MSVOA_N
ClientSampled :
30474

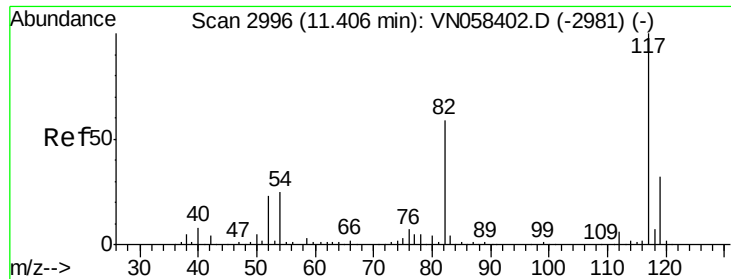
Tgt Ion: 129 Resp: 5518
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#



#62
4-Bromofluorobenzene
Concen: 50.236 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058521.D
Acq: 3 Oct 2019 19:24

Tgt Ion: 95 Resp: 260930
Ion Ratio Lower Upper
95 100
174 72.8 0.0 150.6
176 70.8 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

30474

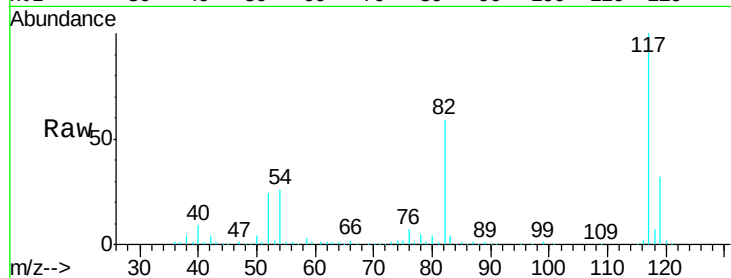
Tgt Ion:117 Resp: 516958

Ion Ratio Lower Upper

117 100

82 59.1 47.4 71.0

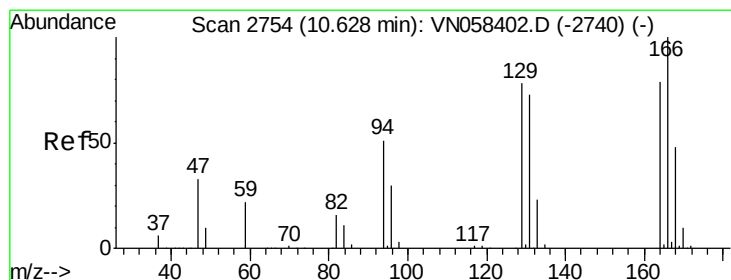
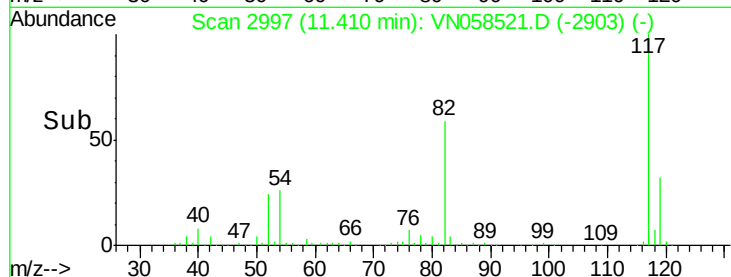
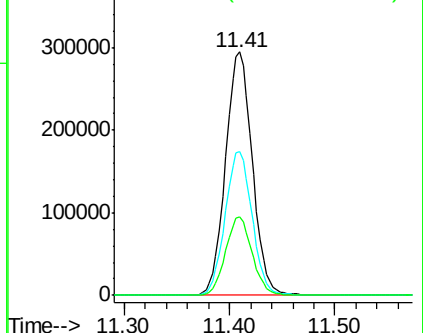
119 32.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 1.653 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Tgt Ion:164 Resp: 5429

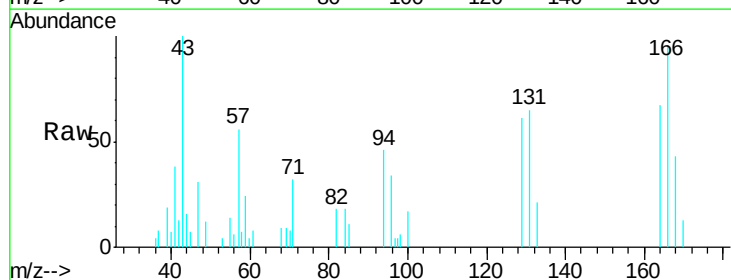
Ion Ratio Lower Upper

164 100

166 142.5 101.1 151.7

129 89.9 79.2 118.8

131 95.7 74.1 111.1

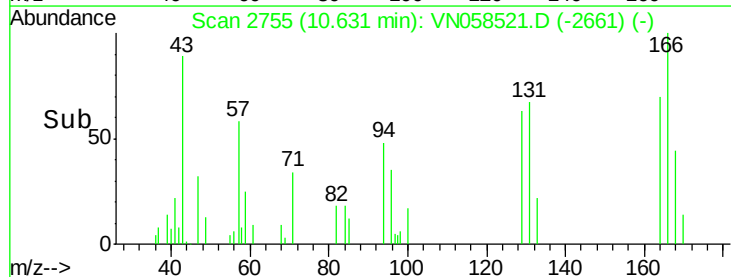
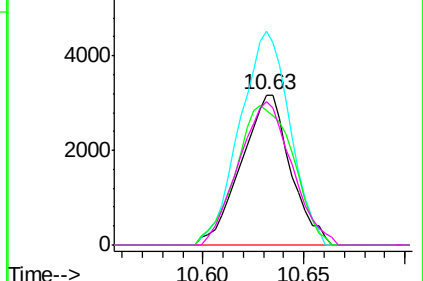


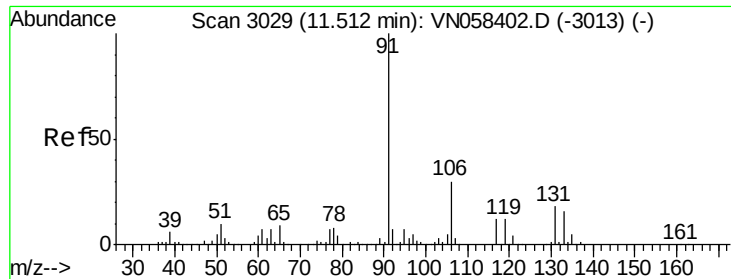
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

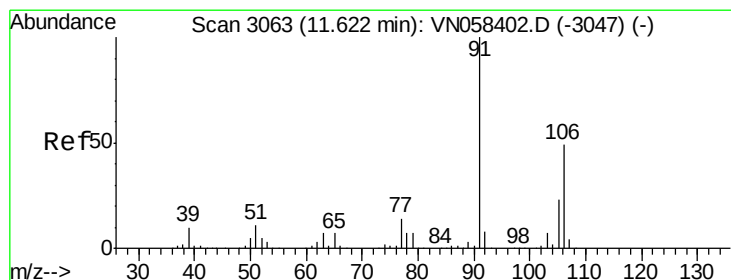
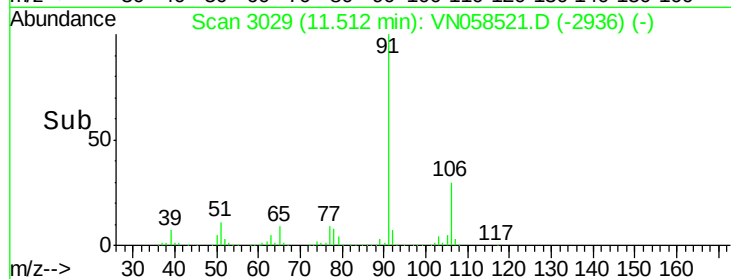
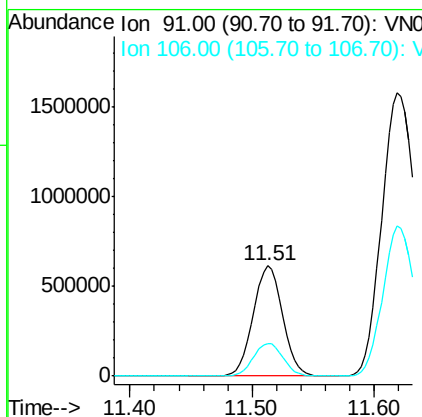
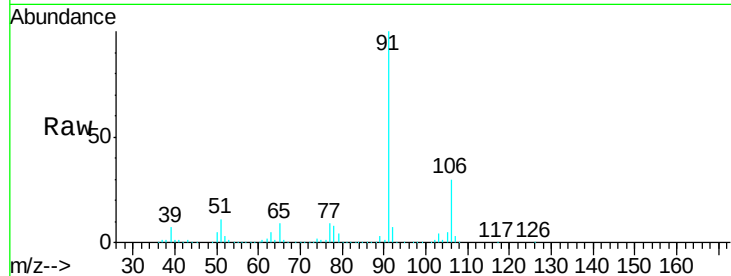




#67
Ethyl Benzene
Concen: 54.883 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058521.D
Acq: 3 Oct 2019 19:24

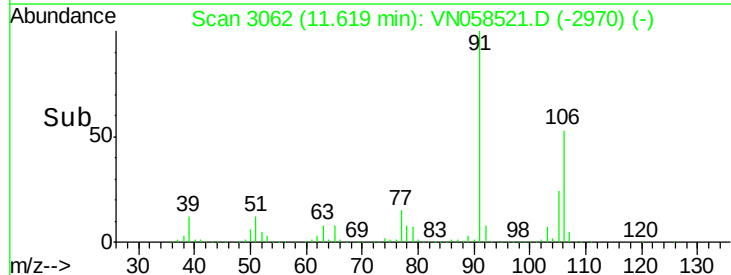
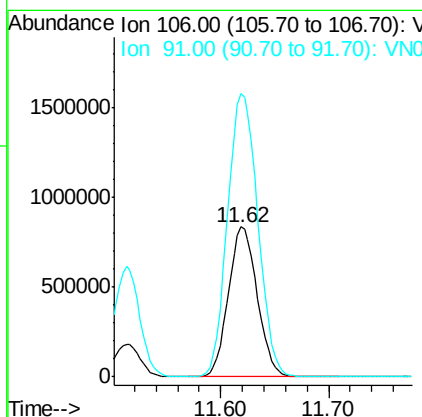
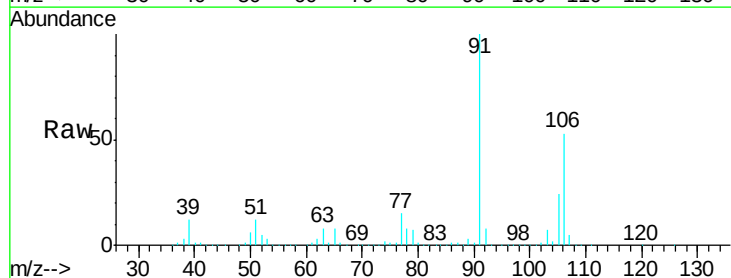
Instrument :
MSVOA_N
ClientSampled :
30474

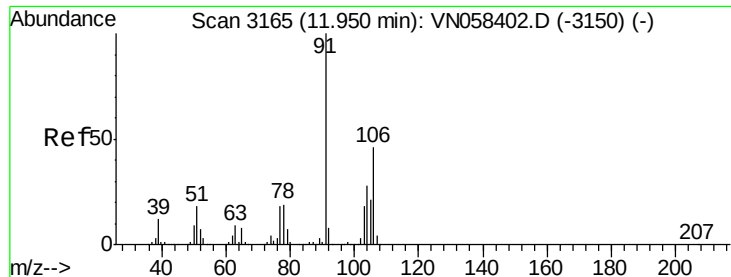
Tgt Ion: 91 Resp: 1021521
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5



#68
m/p-Xylenes
Concen: 221.856 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058521.D
Acq: 3 Oct 2019 19:24

Tgt Ion: 106 Resp: 1553623
Ion Ratio Lower Upper
106 100
91 198.9 165.0 247.4

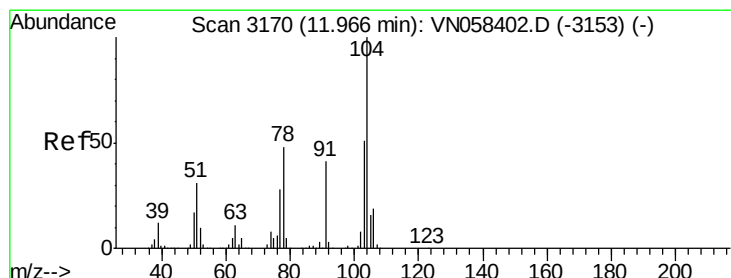
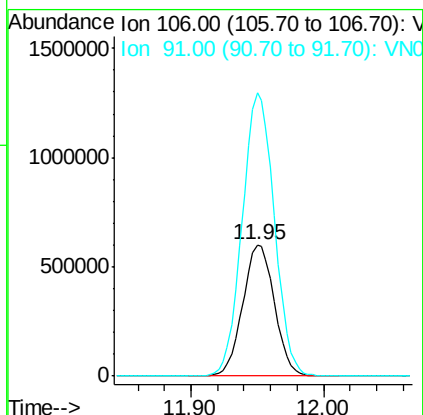
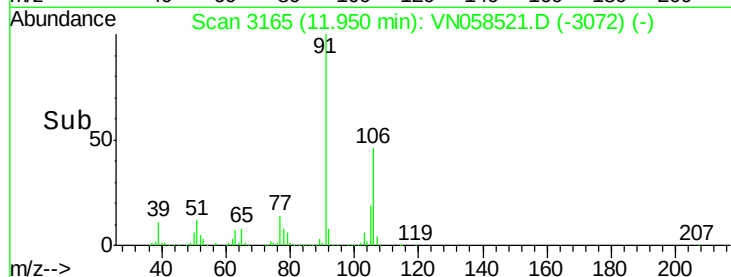
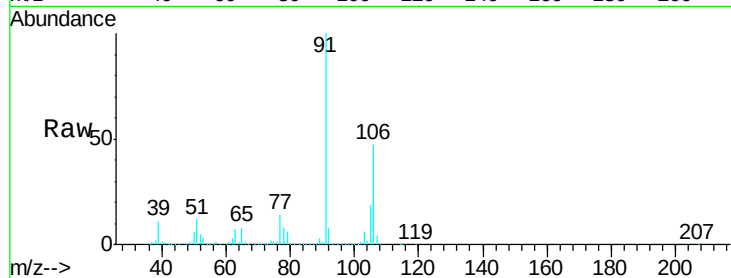




#69
o-Xylene
Concen: 147.917 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058521.D
Acq: 3 Oct 2019 19:24

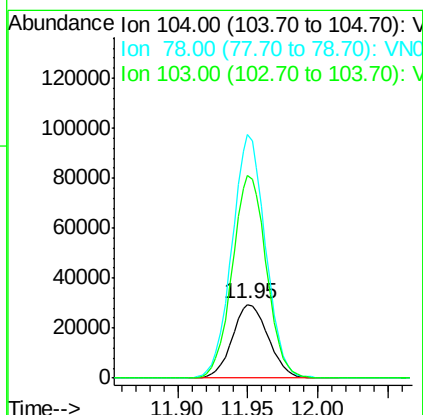
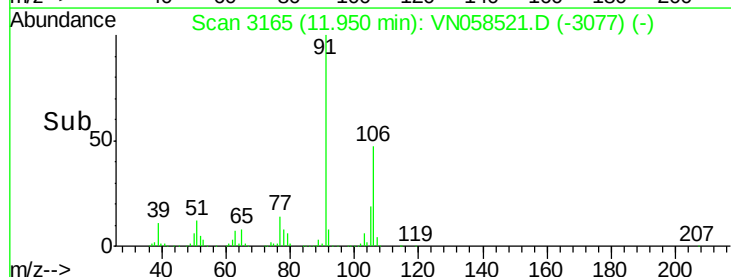
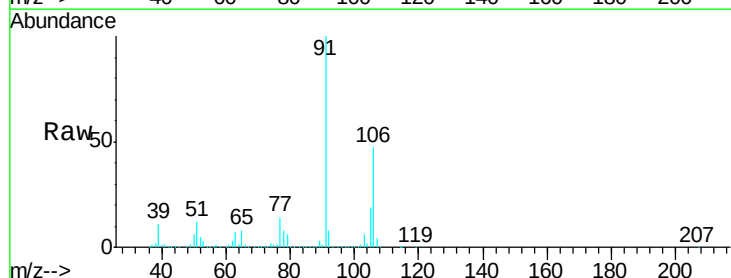
Instrument :
MSVOA_N
ClientSampled :
30474

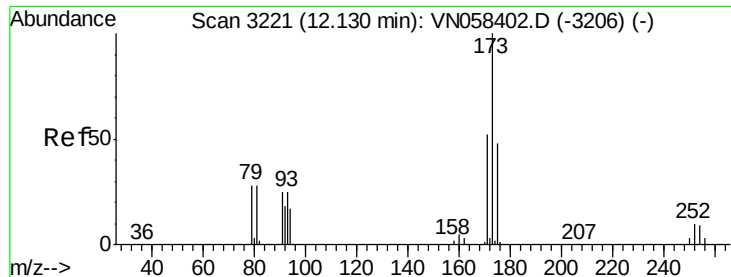
Tgt Ion:106 Resp: 997144
Ion Ratio Lower Upper
106 100
91 217.9 109.1 327.4



#70
Styrene
Concen: 4.841 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.02 min
Lab File: VN058521.D
Acq: 3 Oct 2019 19:24

Tgt Ion:104 Resp: 53022
Ion Ratio Lower Upper
104 100
78 305.7 42.8 64.2#
103 259.2 43.7 65.5#





#71

Bromoform

Concen: 1.223 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

30474

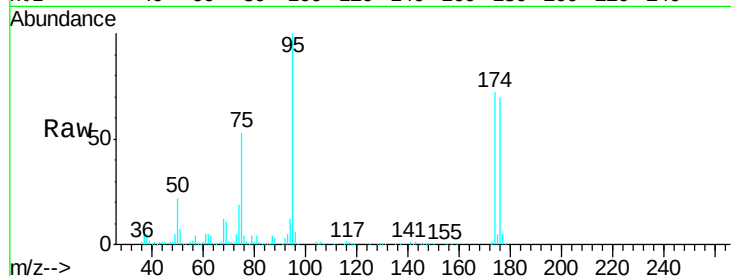
Tgt Ion:173 Resp: 1282

Ion Ratio Lower Upper

173 100

175 896.4 24.3 73.0#

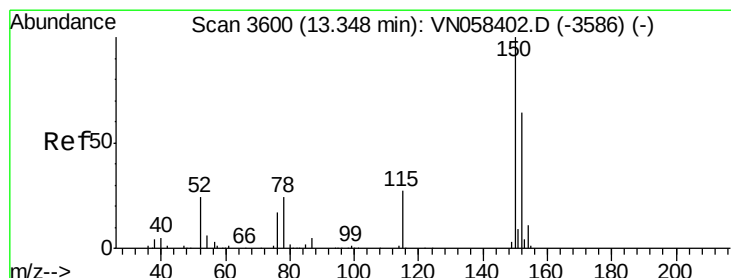
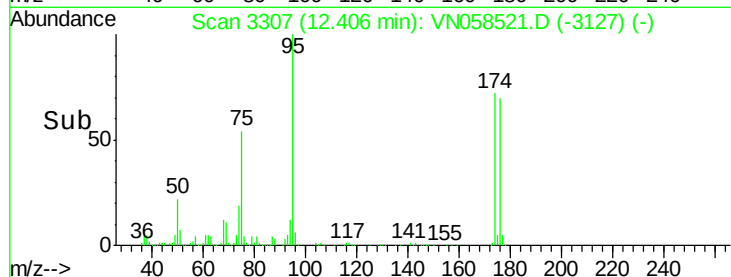
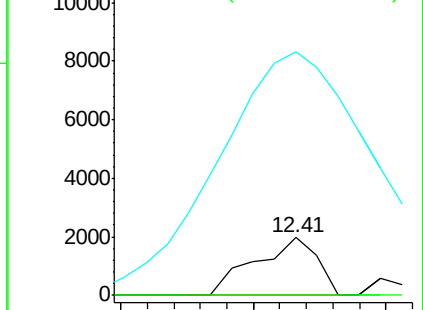
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

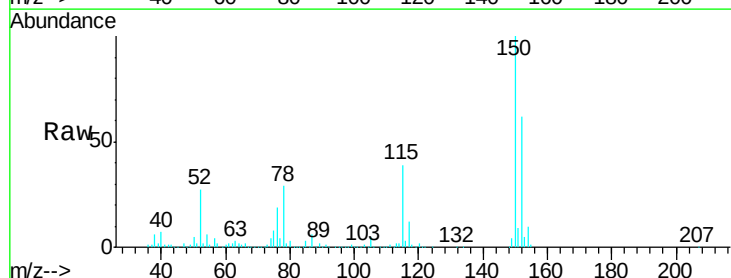
Tgt Ion:152 Resp: 236913

Ion Ratio Lower Upper

152 100

115 80.2 30.0 90.0

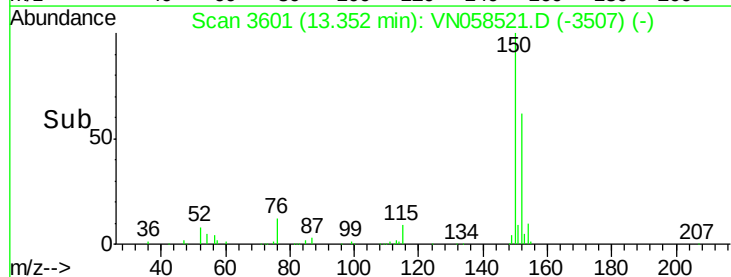
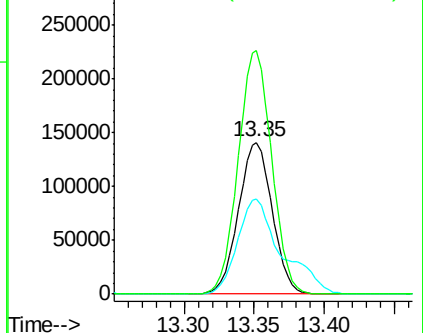
150 159.4 0.0 348.2

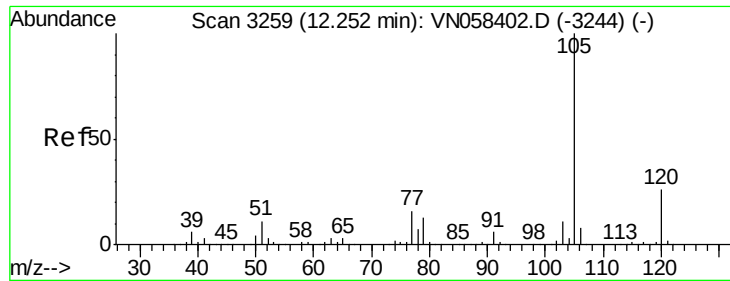


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.081 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

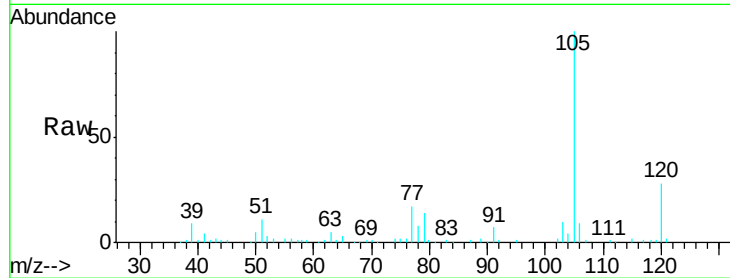
30474

Tgt Ion: 105 Resp: 71460

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4

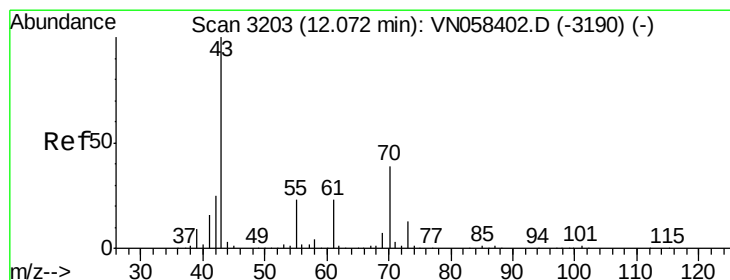
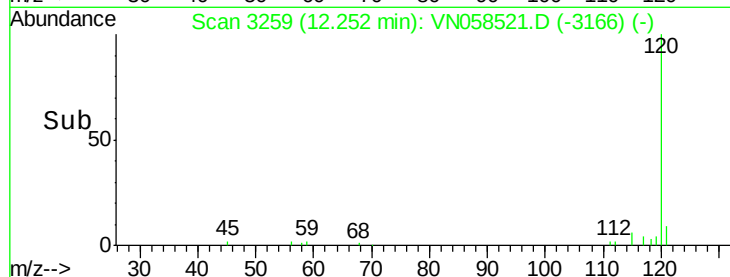


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

Time-->



#74

N-amyl acetate

Concen: 3.527 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Tgt Ion: 43 Resp: 24564

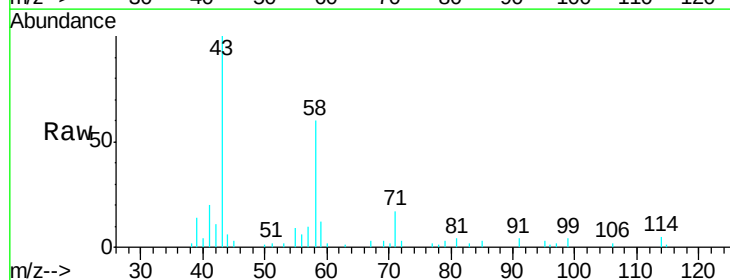
Ion Ratio Lower Upper

43 100

70 0.8 31.4 47.2#

55 5.1 18.2 27.4#

61 0.0 18.3 27.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO

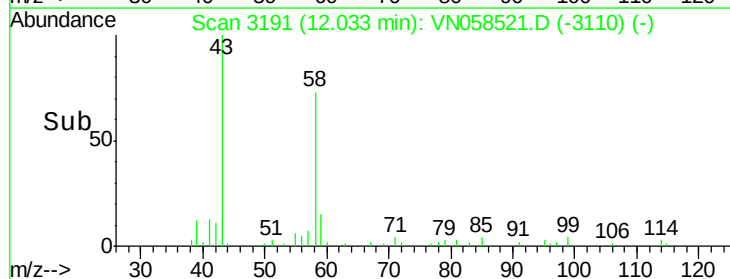
Ion 70.00 (69.70 to 70.70): VNO

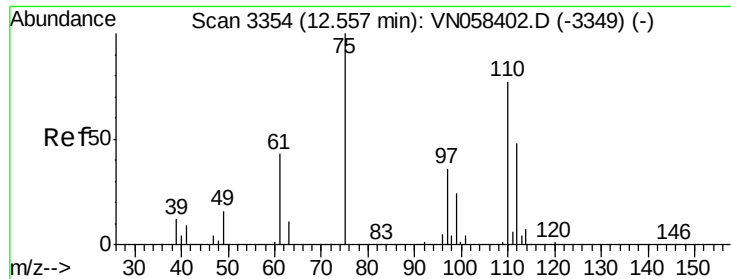
Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

12.03

Time-->





#76

1,2,3-Trichloropropane

Concen: 2.716 ug/l

RT: 12.66 min Scan# 3386

Delta R.T. 0.10 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

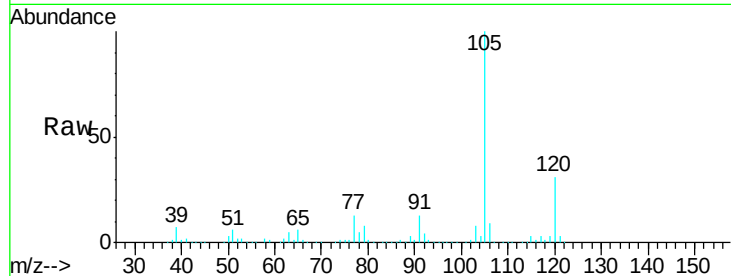
30474

Tgt Ion: 75 Resp: 11751

Ion Ratio Lower Upper

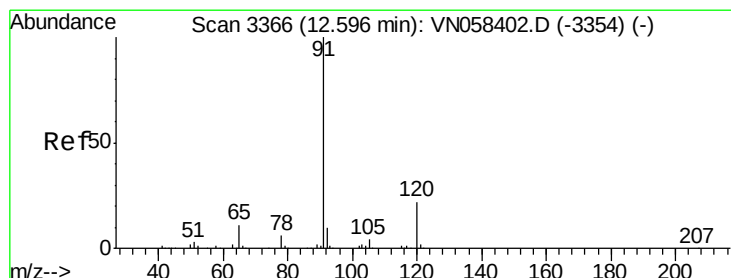
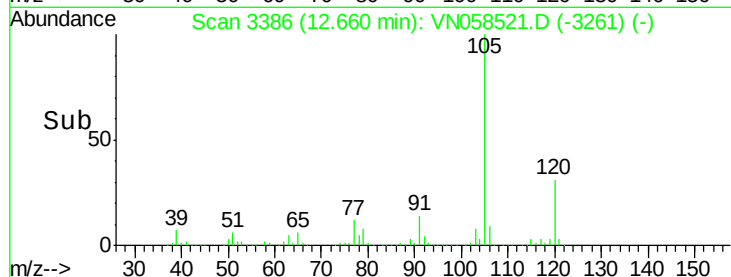
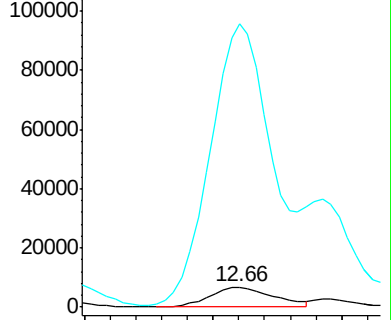
75 100

77 1348.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 14.371 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058521.D

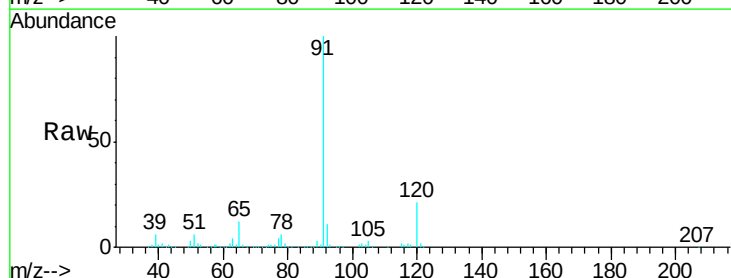
Acq: 3 Oct 2019 19:24

Tgt Ion: 91 Resp: 283468

Ion Ratio Lower Upper

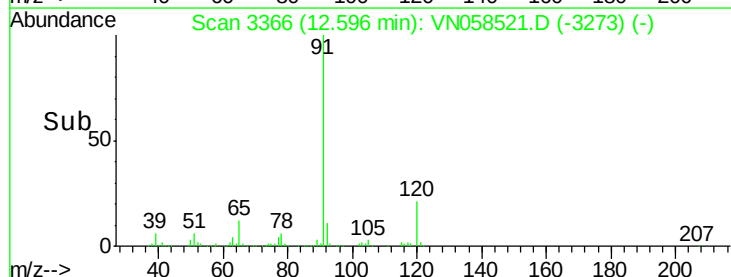
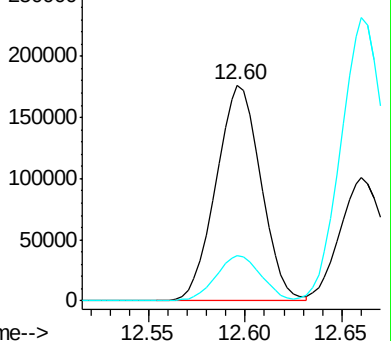
91 100

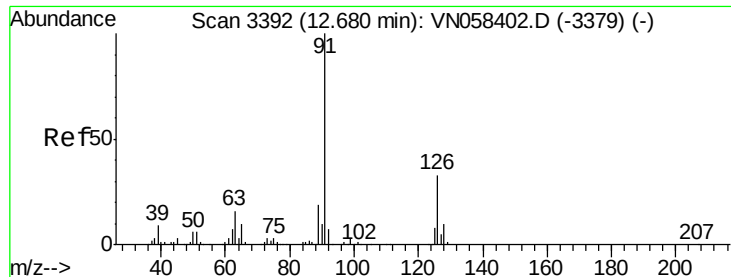
120 21.3 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 12.684 ug/l

RT: 12.66 min Scan# 3386

Delta R.T. -0.02 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

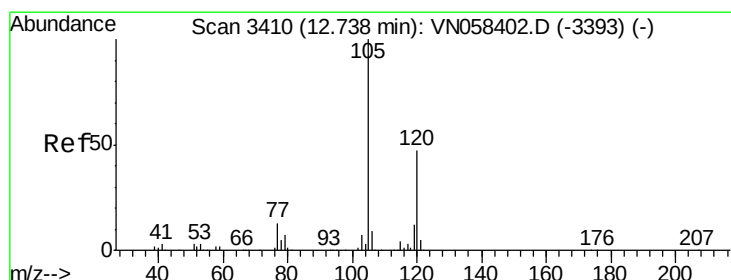
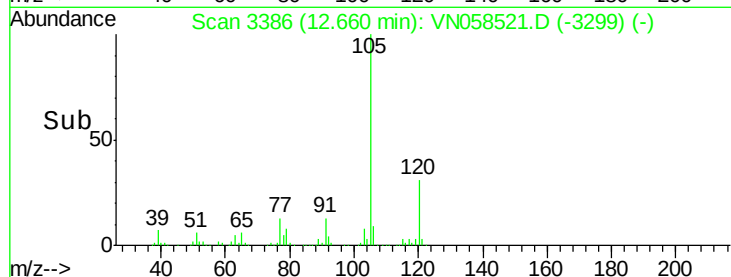
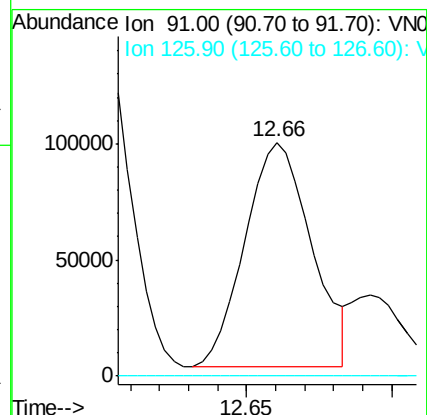
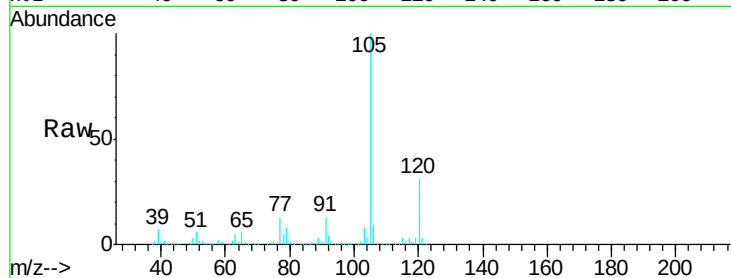
30474

Tgt Ion: 91 Resp: 154427

Ion Ratio Lower Upper

91 100

126 0.0 16.2 48.6#



#80

1,3,5-Trimethylbenzene

Concen: 38.821 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058521.D

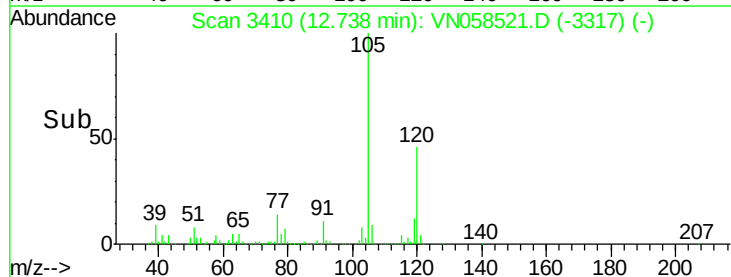
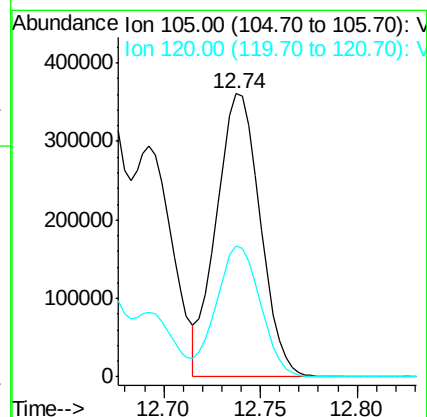
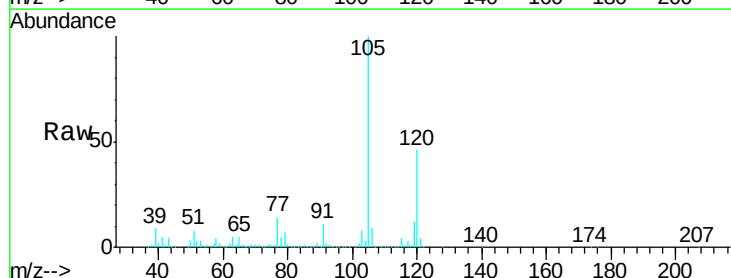
Acq: 3 Oct 2019 19:24

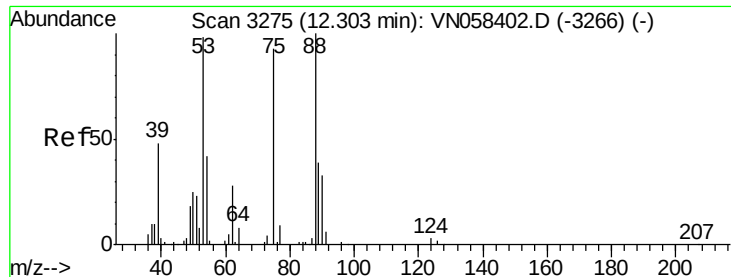
Tgt Ion: 105 Resp: 568978

Ion Ratio Lower Upper

105 100

120 46.4 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 99.355 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

30474

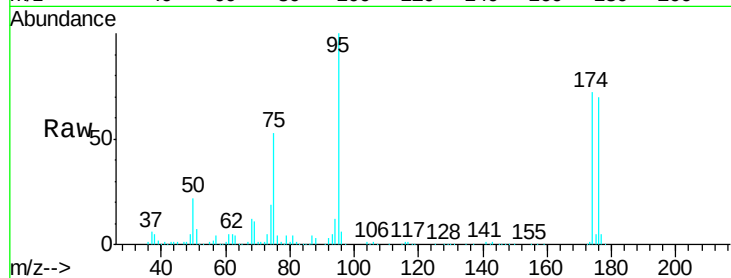
Tgt Ion: 75 Resp: 141559

Ion Ratio Lower Upper

75 100

53 0.1 85.4 128.0#

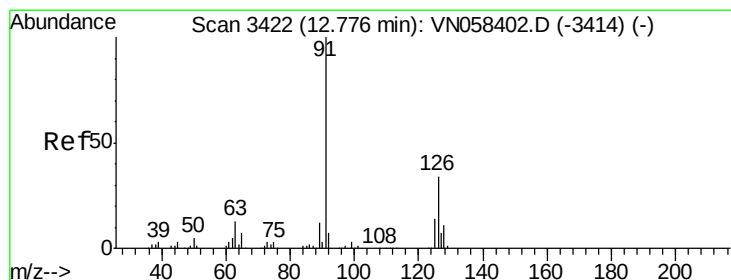
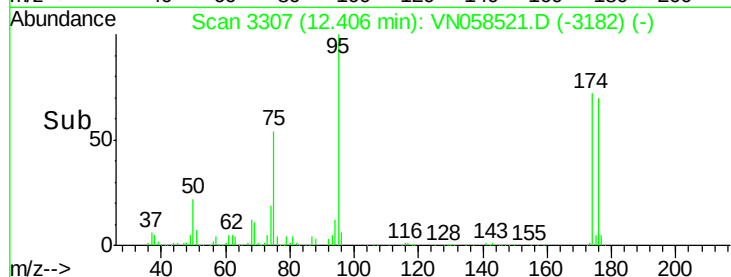
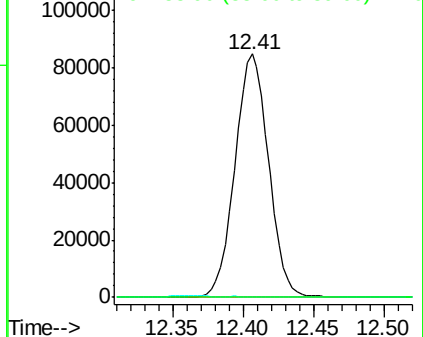
89 0.0 35.0 52.4#



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: 5.156 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.04 min

Lab File: VN058521.D

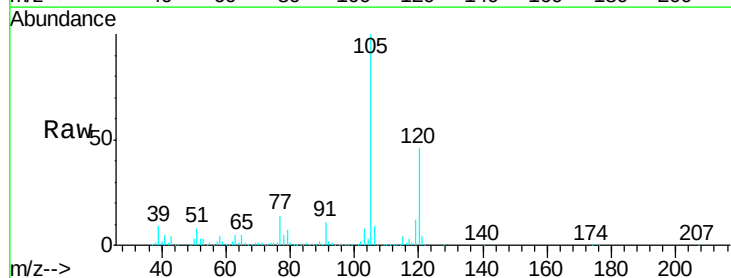
Acq: 3 Oct 2019 19:24

Tgt Ion: 91 Resp: 64053

Ion Ratio Lower Upper

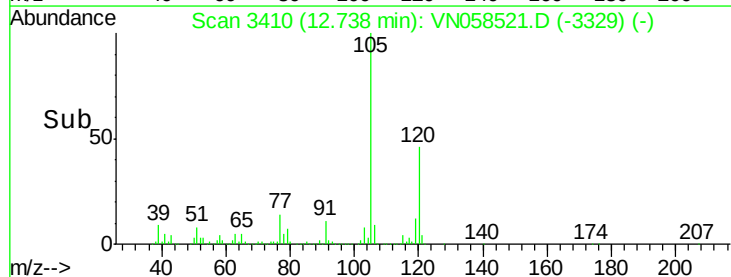
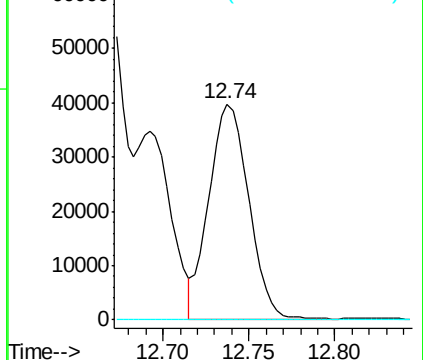
91 100

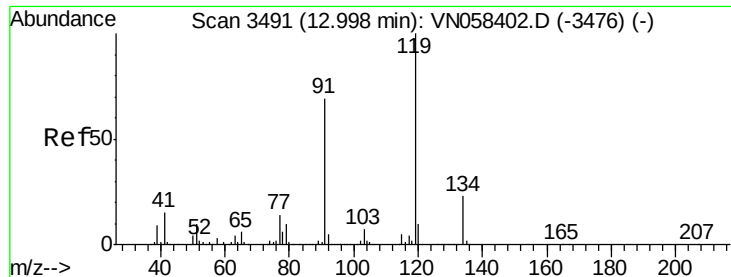
126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

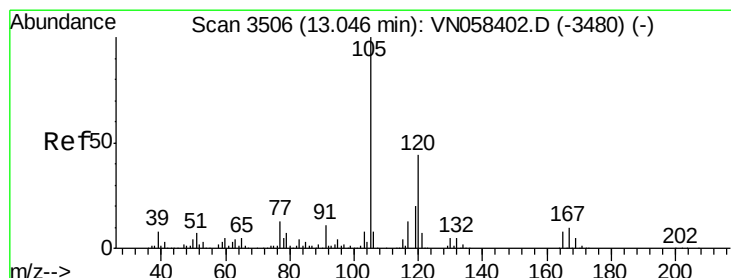
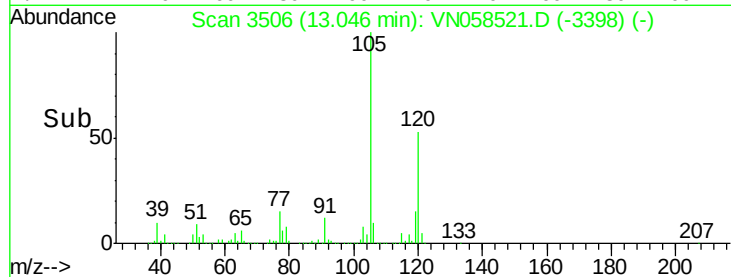
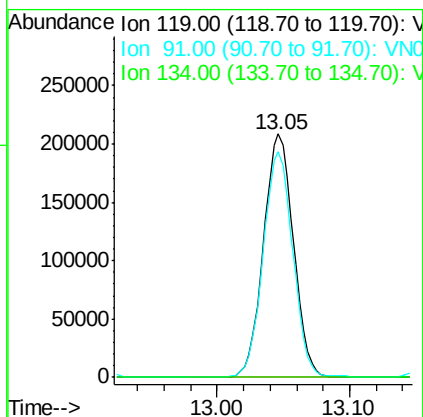
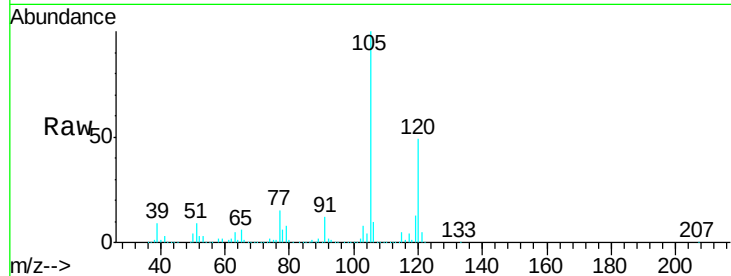




#83
 tert-Butylbenzene
 Concen: 26.480 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.05 min
 Lab File: VN058521.D
 Acq: 3 Oct 2019 19:24

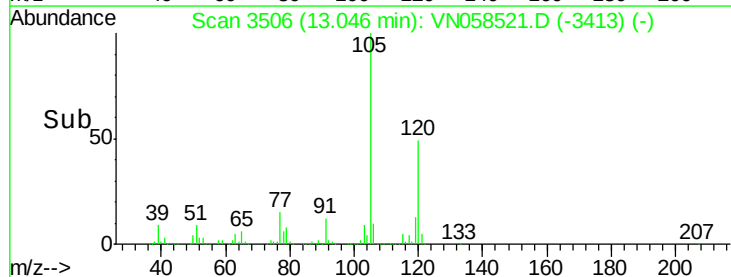
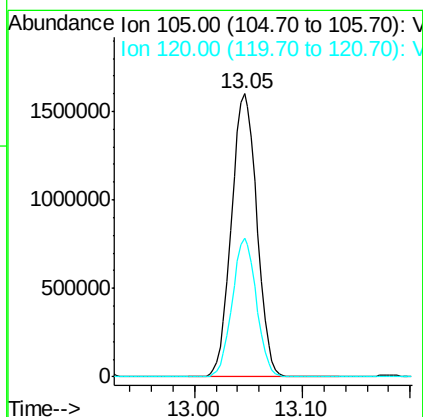
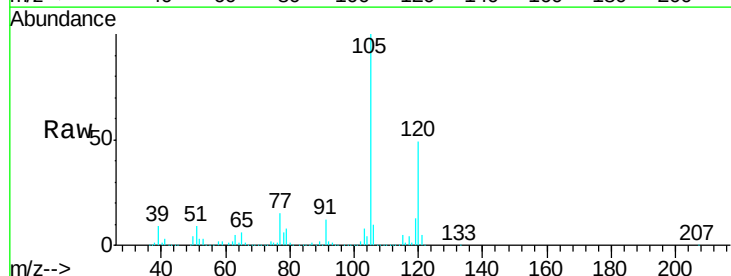
Instrument :
 MSVOA_N
 ClientSampled :
 30474

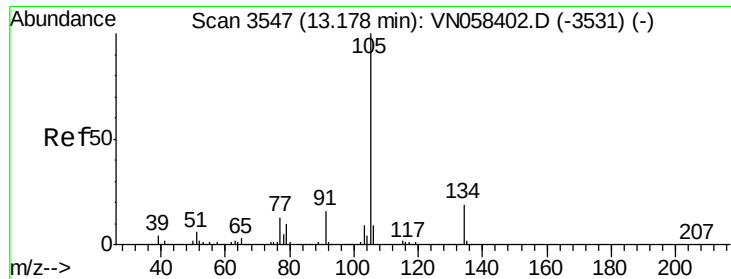
Tgt Ion:119 Resp: 327482
 Ion Ratio Lower Upper
 119 100
 91 92.6 34.2 102.6
 134 0.0 11.6 34.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 179.502 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058521.D
 Acq: 3 Oct 2019 19:24

Tgt Ion:105 Resp: 2635855
 Ion Ratio Lower Upper
 105 100
 120 46.6 21.7 65.1





#85

sec-Butylbenzene

Concen: 161.930 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.13 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

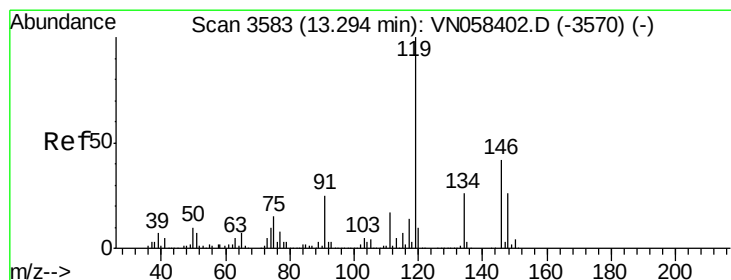
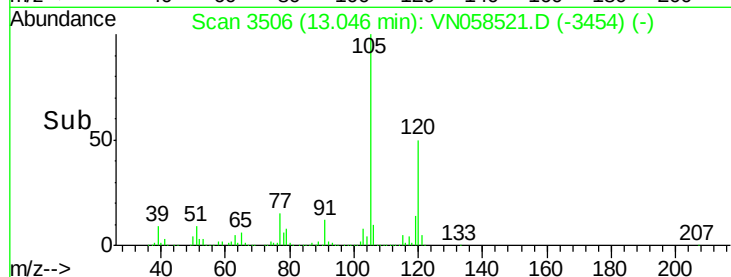
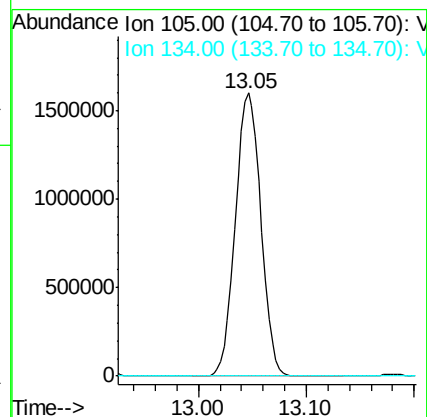
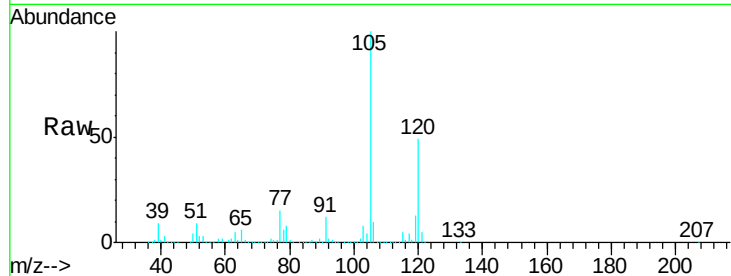
30474

Tgt Ion:105 Resp: 2635855

Ion Ratio Lower Upper

105 100

134 0.0 9.4 28.2#



#86

p-Isopropyltoluene

Concen: 0.756 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

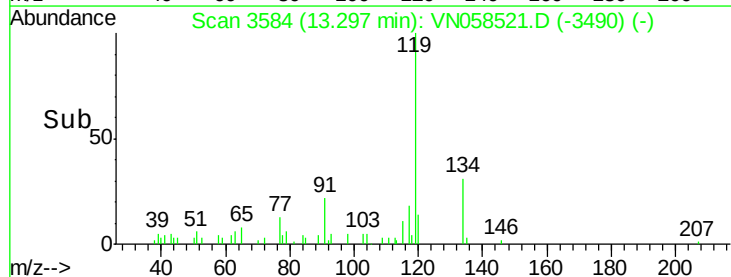
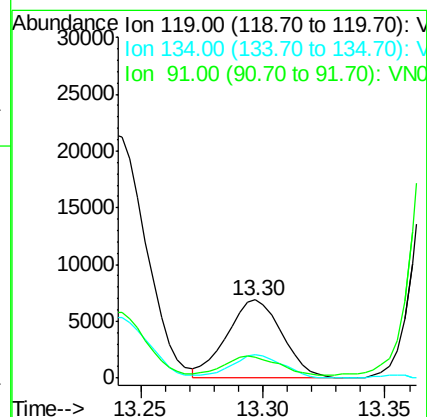
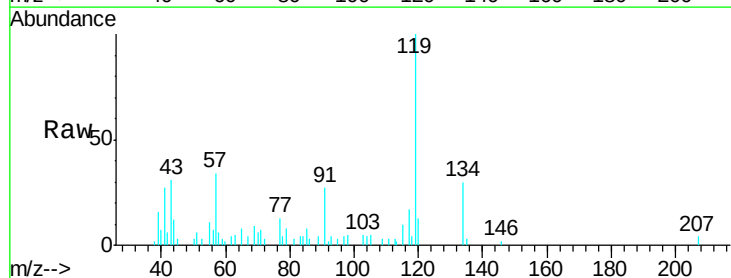
Tgt Ion:119 Resp: 10839

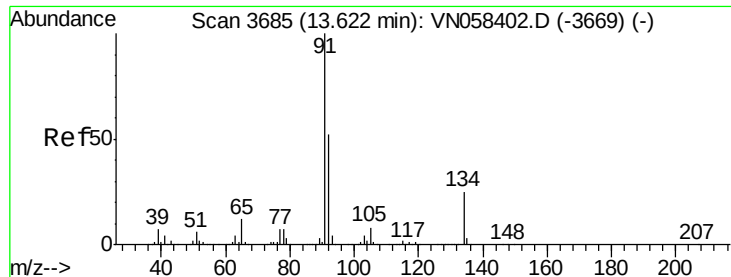
Ion Ratio Lower Upper

119 100

134 28.2 13.0 39.0

91 0.0 12.4 37.0#

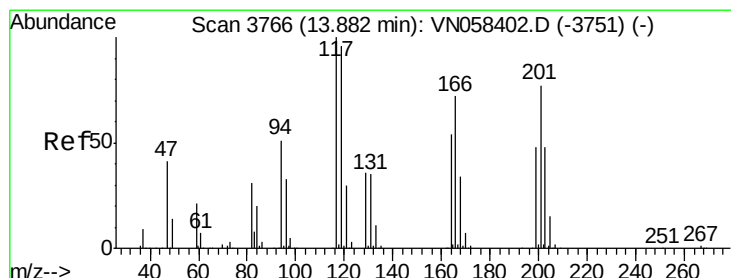
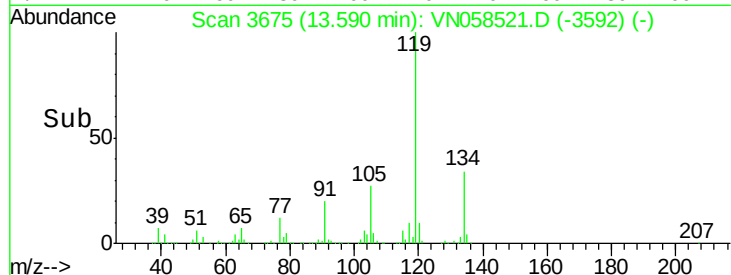
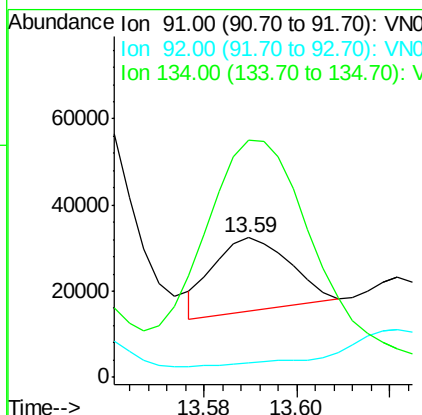
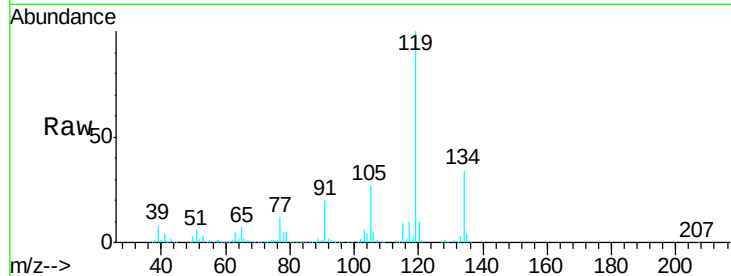




#89
n-Butylbenzene
Concen: 1.505 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.03 min
Lab File: VN058521.D
Acq: 3 Oct 2019 19:24

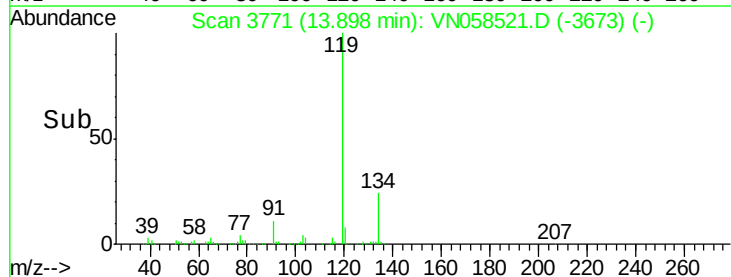
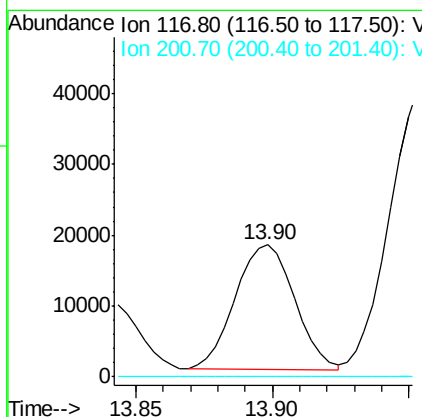
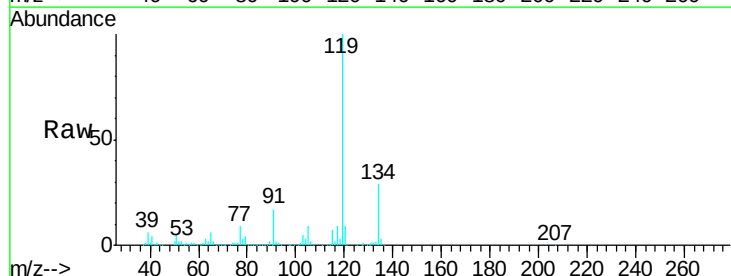
Instrument :
MSVOA_N
ClientSampled :
30474

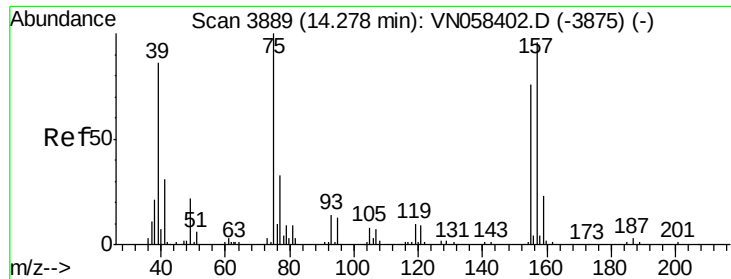
Tgt Ion: 91 Resp: 19531
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.1#
134 509.6 12.2 36.6#



#90
Hexachloroethane
Concen: 12.419 ug/l
RT: 13.90 min Scan# 3771
Delta R.T. 0.02 min
Lab File: VN058521.D
Acq: 3 Oct 2019 19:24

Tgt Ion: 117 Resp: 26736
Ion Ratio Lower Upper
117 100
201 0.0 38.6 116.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.554 ug/l

RT: 14.26 min Scan# 3884

Delta R.T. -0.02 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

30474

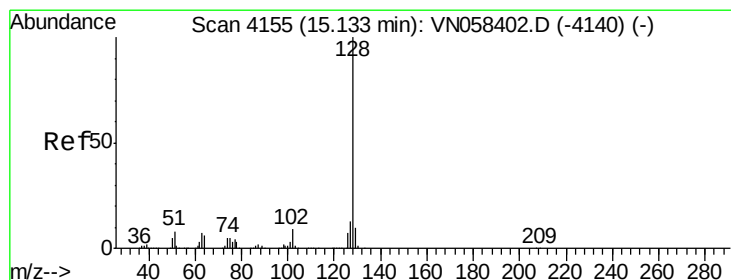
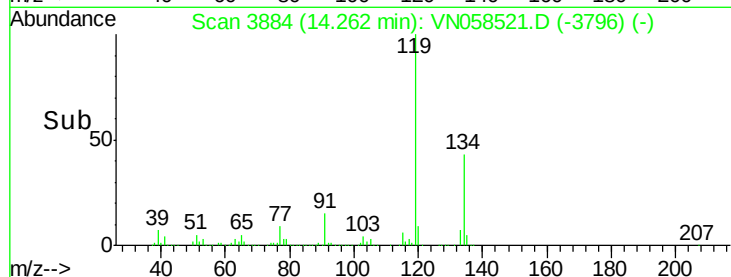
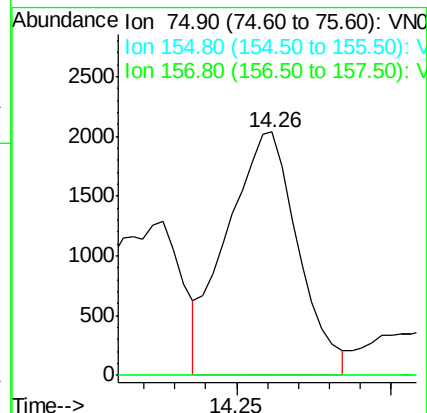
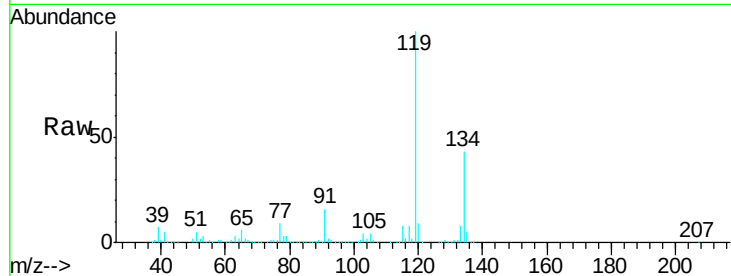
Tgt Ion: 75 Resp: 3245

Ion Ratio Lower Upper

75 100

155 0.0 39.2 117.6#

157 0.0 48.7 146.1#



#95

Naphthalene

Concen: 113.310 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058521.D

Acq: 3 Oct 2019 19:24

Tgt Ion: 128 Resp: 1311120

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 10.7 8.3 12.5

