

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058537.D
 Acq On : 4 Oct 2019 13:59
 Operator : JC/SP
 Sample : K5180-01DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 23:37:21 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	392204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	626941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	545411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	232048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	269909	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
35) Dibromofluoromethane	7.57	113	182674	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	10.08	98	752180	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.41	95	254476	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	

Target Compounds

					Qvalue	
3) Chloromethane	2.04	50	1858	0.393	ug/l	99
11) Tert butyl alcohol	4.76	59	14969	23.510	ug/l #	92
13) Acrolein	3.58	56	123	0.607	ug/l #	73
16) Acetone	3.79	43	260706	133.436	ug/l	98
18) Methyl Acetate	4.30	43	7998	1.628	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	58931	4.514	ug/l	96
20) Methylene Chloride	4.52	84	6360	1.411	ug/l	89
22) Diisopropyl ether	5.92	45	17140	1.183	ug/l #	86
23) Vinyl Acetate	5.93	43	10007	0.916	ug/l #	74
25) 2-Butanone	6.81	43	107452	40.057	ug/l	96
29) Tetrahydrofuran	7.17	42	422	0.248	ug/l #	68
31) Cyclohexane	7.64	56	11002	1.387	ug/l #	25
36) 1,1-Dichloropropene	7.65	75	33374	5.567	ug/l #	50
37) Ethyl Acetate	6.81	43	107452	21.141	ug/l #	72
38) Carbon Tetrachloride	7.65	117	39768	7.349	ug/l #	17
39) Methylcyclohexane	9.07	83	3895	0.556	ug/l #	89
40) Benzene	8.03	78	86622	5.027	ug/l	97
41) Methacrylonitrile	7.17	41	780	0.334	ug/l #	29
43) Isopropyl Acetate	8.16	43	2155	0.225	ug/l #	85
51) 4-Methyl-2-Pentanone	9.98	43	5672	1.155	ug/l	100
52) Toluene	10.15	92	534394	49.270	ug/l	99
59) 2-Hexanone	10.75	43	7892	2.208	ug/l	99
60) Dibromochloromethane	10.63	129	1244	Below Cal	#	11
64) Tetrachloroethene	10.63	164	1680	0.485	ug/l	93
67) Ethyl Benzene	11.51	91	196436	10.003	ug/l	99
68) m/p-Xylenes	11.62	106	287593	38.926	ug/l	97
69) o-Xylene	11.95	106	186331	26.199	ug/l	97
70) Styrene	11.95	104	11829	1.024	ug/l #	1
71) Bromoform	12.41	173	1809	1.401	ug/l #	1
73) Isopropylbenzene	12.25	105	14927	0.870	ug/l	99
76) 1,2,3-Trichloropropane	12.41	75	143689	33.902	ug/l #	100
78) n-propylbenzene	12.60	91	53212	2.754	ug/l	97
79) 2-Chlorotoluene	12.66	91	37128	3.113	ug/l #	44
80) 1,3,5-Trimethylbenzene	12.74	105	101138	7.045	ug/l	97

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

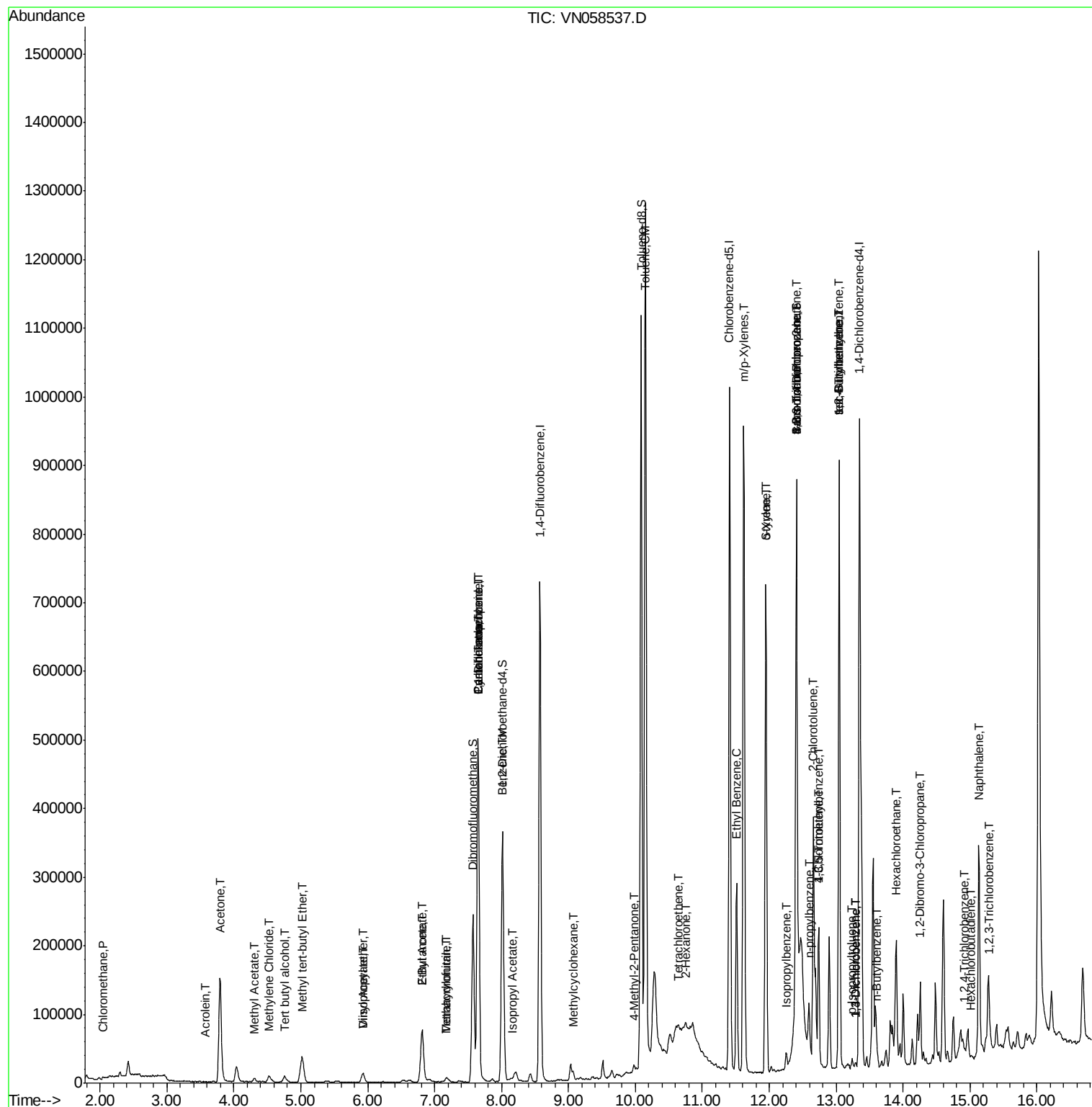
81) trans-1,4-Dichloro-2-buten	12.41	75	143689	102.964	ug/l #	7
82) 4-Chlorotoluene	12.74	91	10171	0.836	ug/l #	43
83) tert-Butylbenzene	13.05	119	60014	4.954	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.05	105	489753	34.051	ug/l	99
85) sec-Butylbenzene	13.05	105	489753	30.718	ug/l #	58
86) p-Isopropyltoluene	13.24	119	6786	0.484	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	1556	0.213	ug/l	88
88) 1,4-Dichlorobenzene	13.29	146	1556	0.214	ug/l	89
89) n-Butylbenzene	13.62	91	6695	0.527	ug/l #	74
90) Hexachloroethane	13.90	117	5236	2.483	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	785	0.878	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.92	180	2725	0.704	ug/l	98
94) Hexachlorobutadiene	15.02	225	680	0.342	ug/l	88
95) Naphthalene	15.13	128	227000	20.005	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	3415	0.855	ug/l #	65

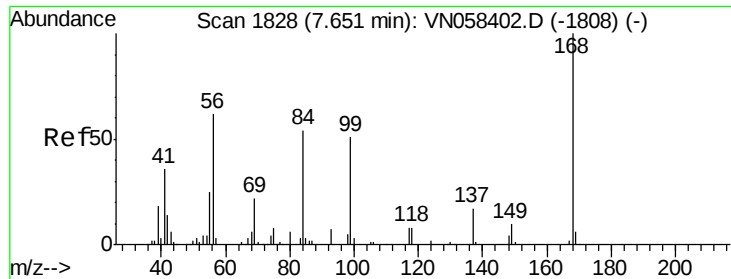
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

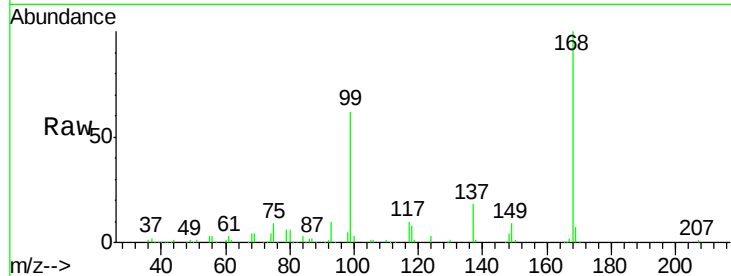
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 392204

Ion Ratio Lower Upper

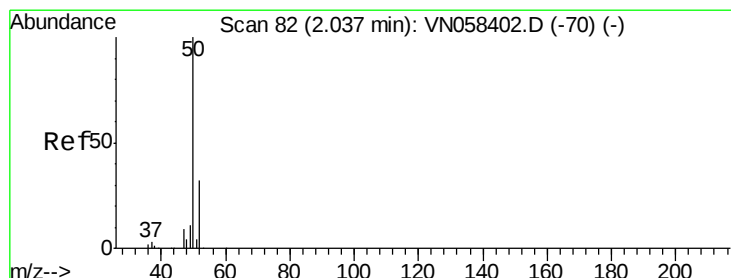
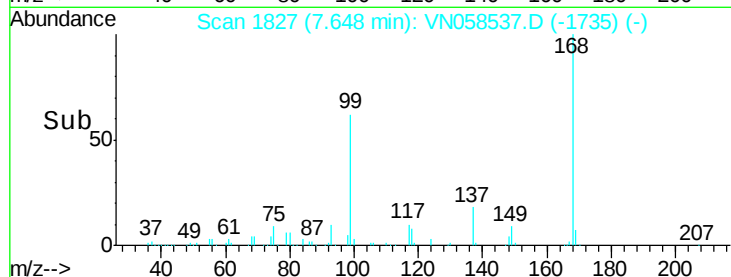
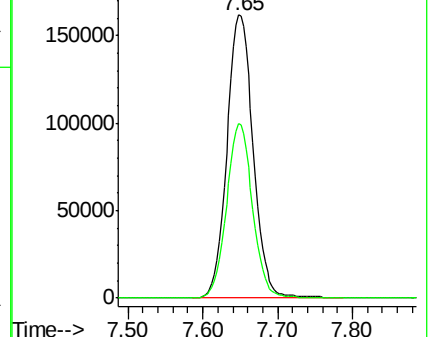
168 100

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): VNO



#3

Chloromethane

Concen: 0.393 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058537.D

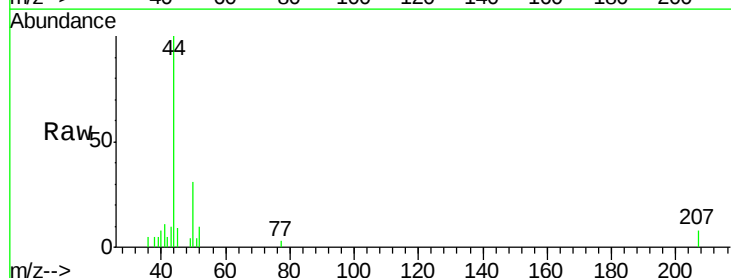
Acq: 4 Oct 2019 13:59

Tgt Ion: 50 Resp: 1858

Ion Ratio Lower Upper

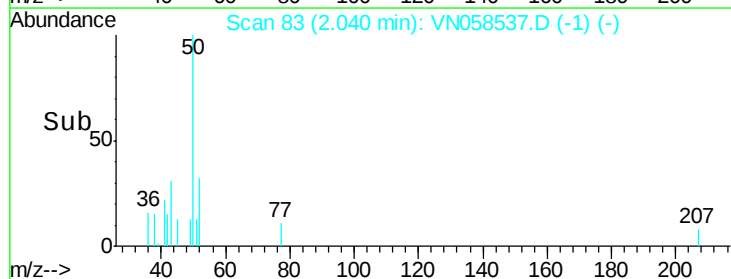
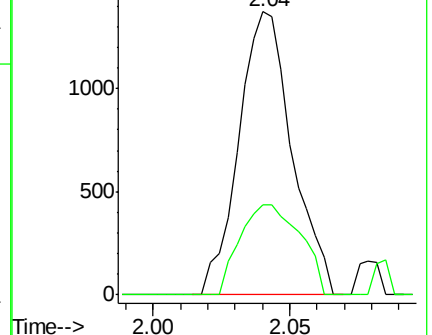
50 100

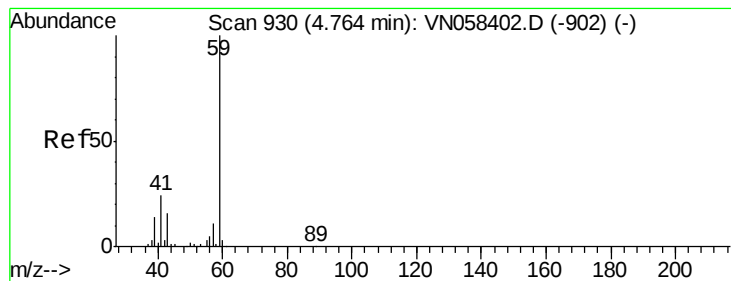
52 31.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#11

Tert butyl alcohol

Concen: 23.510 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

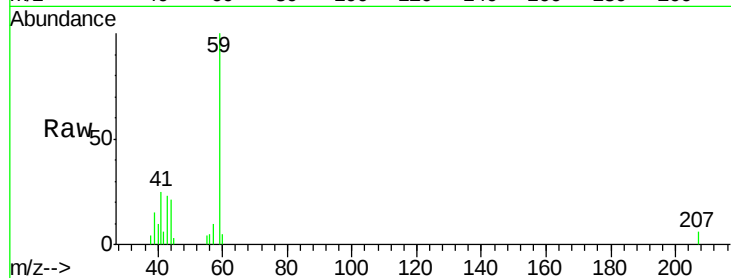
ClientSampled :

Tot Ion: 59 Resp: 14969

Ion Ratio Lower Upper

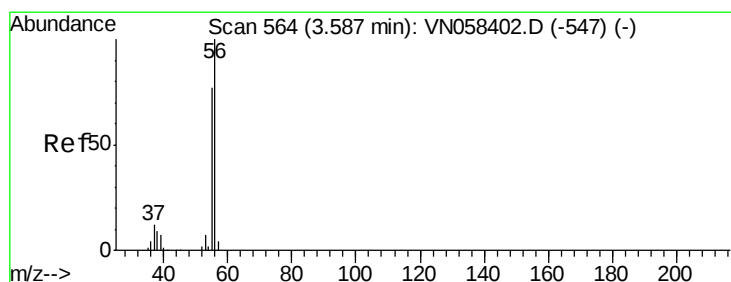
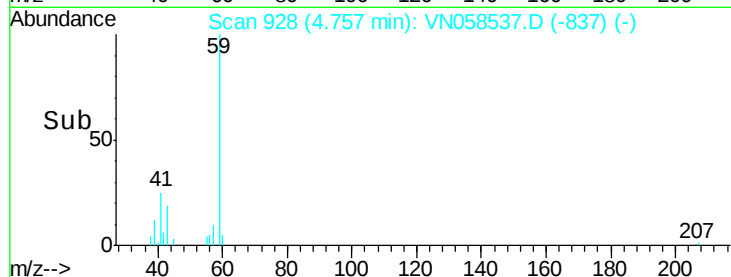
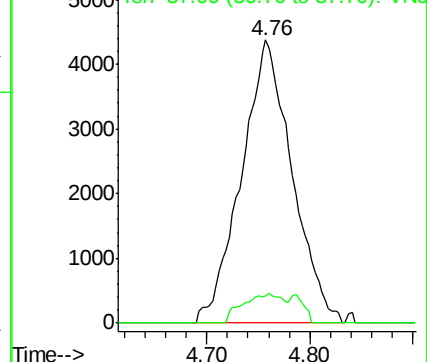
59 100

57 8.1 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: 0.607 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.01 min

Lab File: VN058537.D

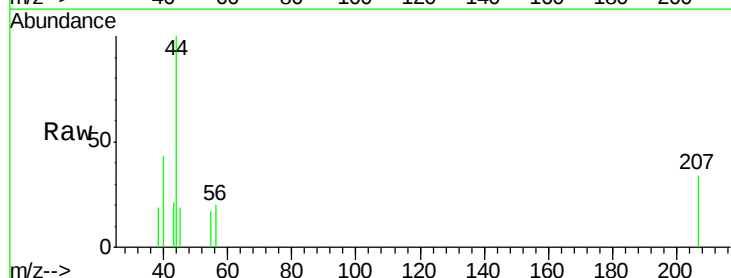
Acq: 4 Oct 2019 13:59

Tgt Ion: 56 Resp: 123

Ion Ratio Lower Upper

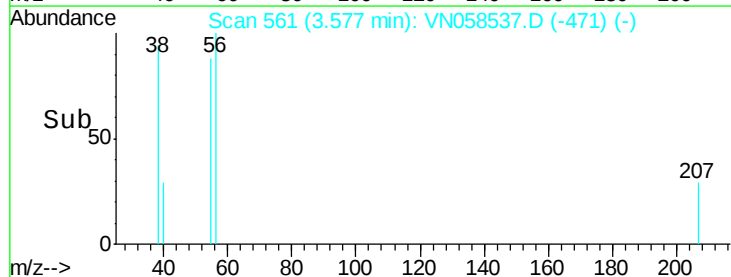
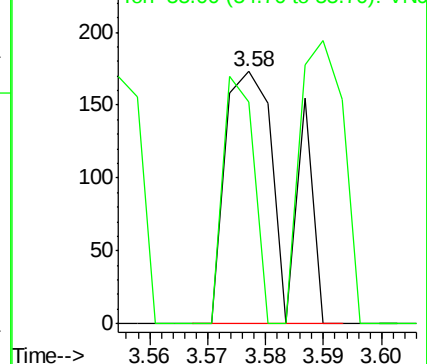
56 100

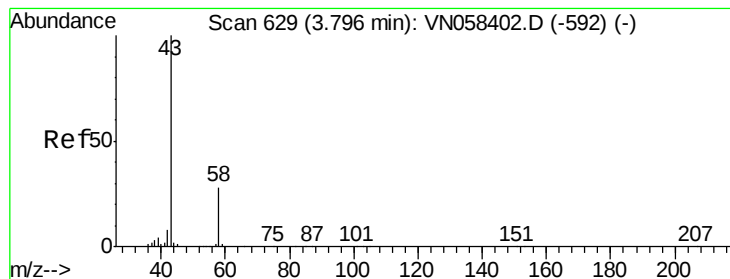
55 50.4 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 133.436 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

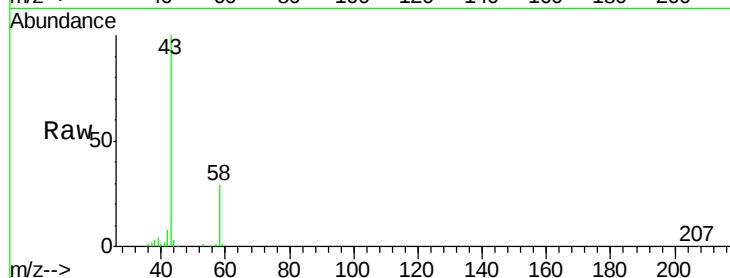
ClientSampled :

Tot Ion: 43 Resp: 260706

Ion Ratio Lower Upper

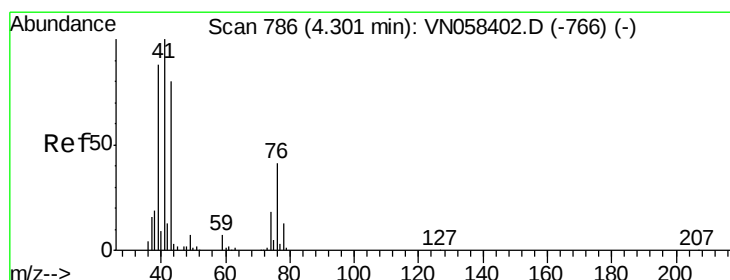
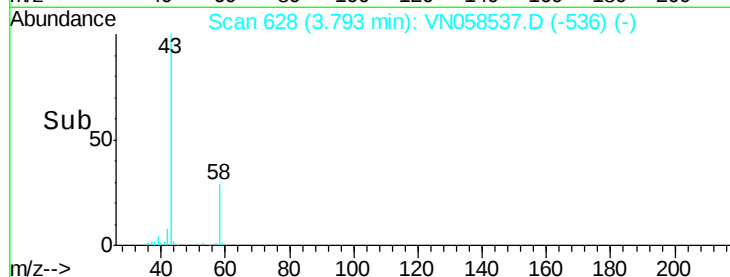
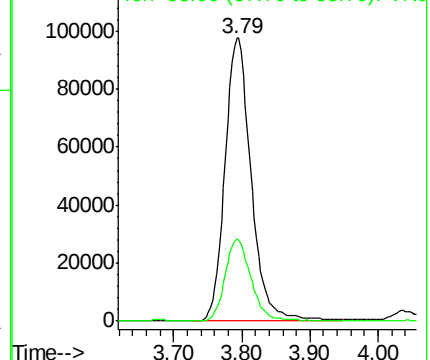
43 100

58 29.1 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: 1.628 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058537.D

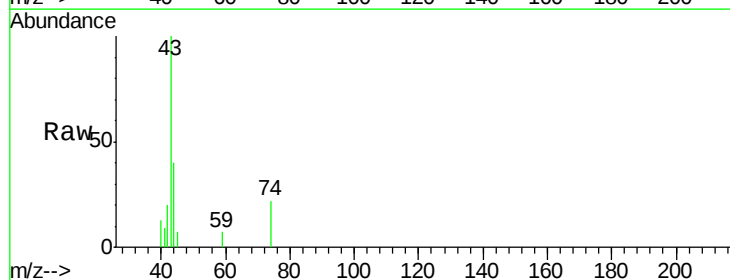
Acq: 4 Oct 2019 13:59

Tgt Ion: 43 Resp: 7998

Ion Ratio Lower Upper

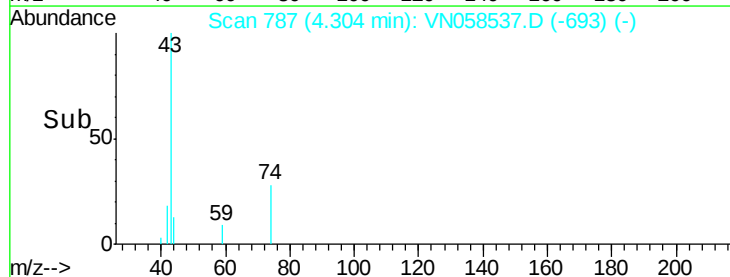
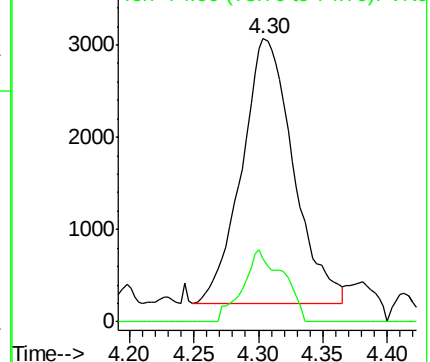
43 100

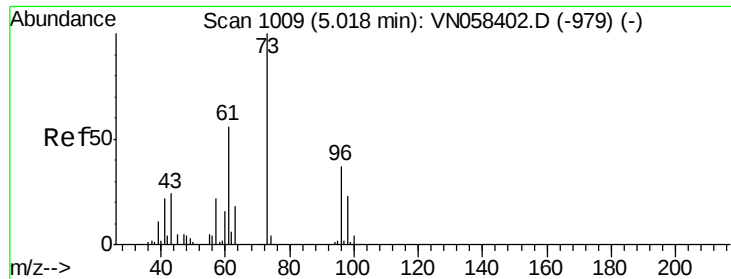
74 21.3 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



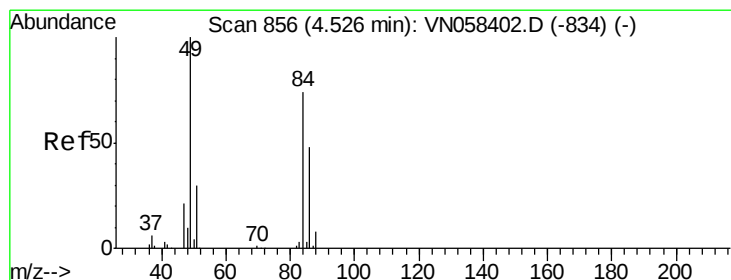
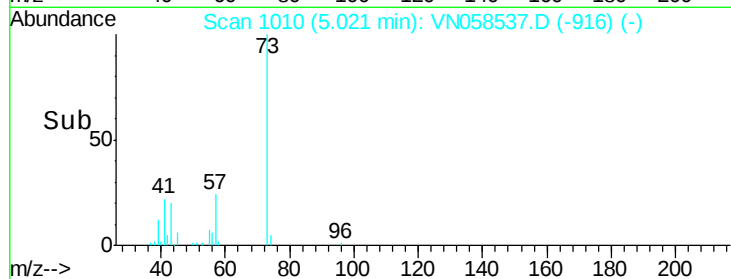
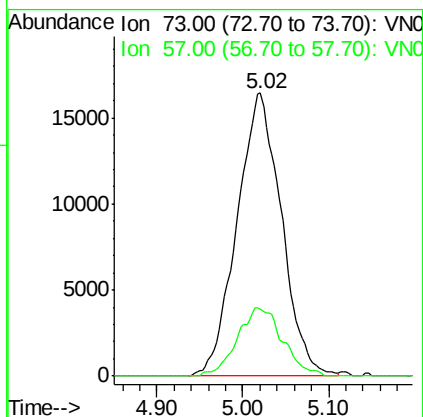
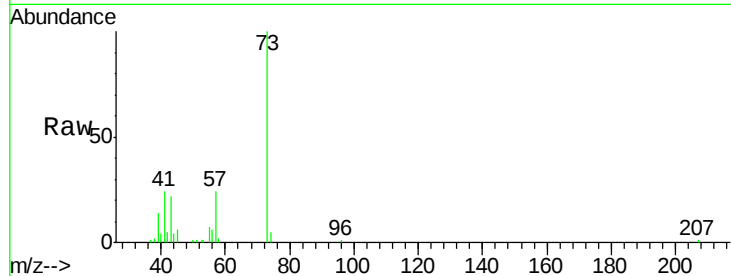


#19

Methyl tert-butyl Ether
 Concen: 4.514 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN058537.D
 Acq: 4 Oct 2019 13:59

Instrument :
 MSVOA_N
 ClientSampleId :

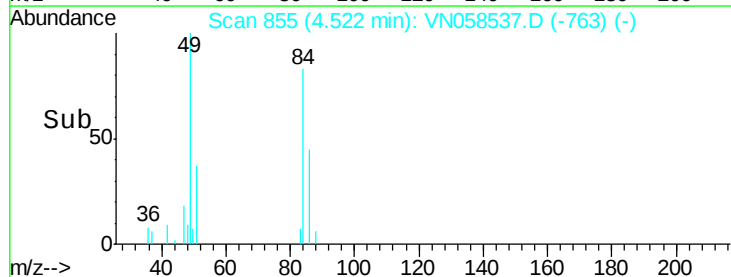
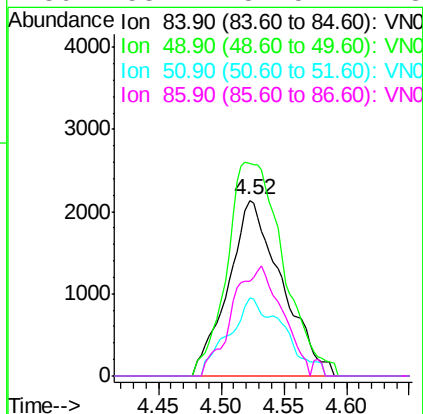
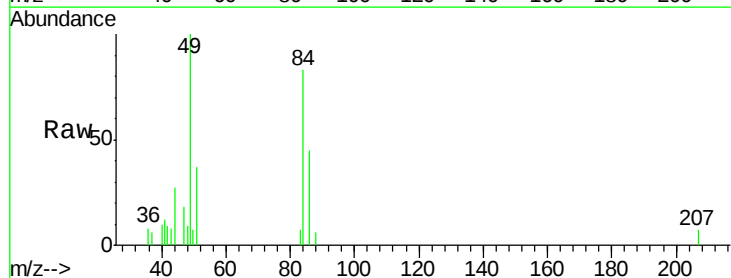
Tot Ion: 73 Resp: 58931
 Ion Ratio Lower Upper
 73 100
 57 23.8 17.6 26.4

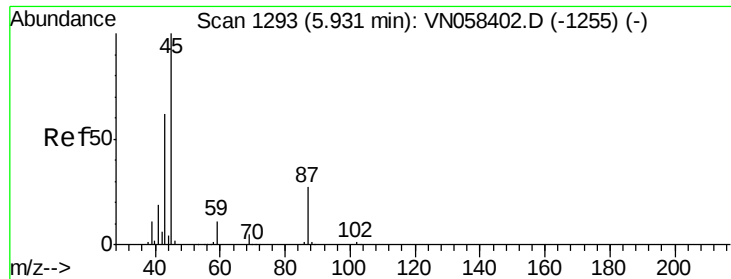


#20

Methylene Chloride
 Concen: 1.411 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VN058537.D
 Acq: 4 Oct 2019 13:59

Tgt Ion: 84 Resp: 6360
 Ion Ratio Lower Upper
 84 100
 49 120.7 107.9 161.9
 51 44.7 32.8 49.2
 86 53.7 51.5 77.3

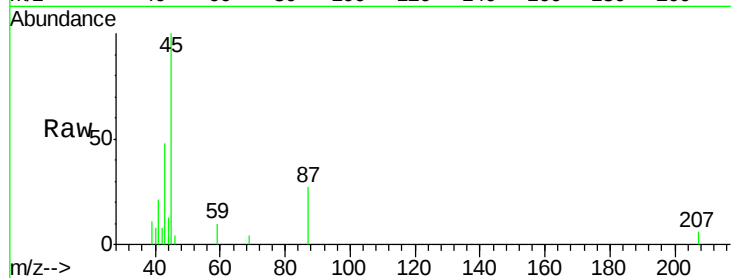




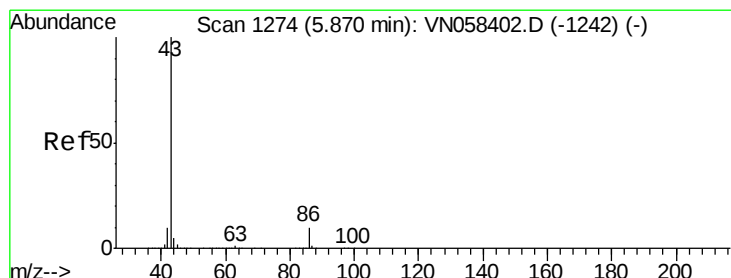
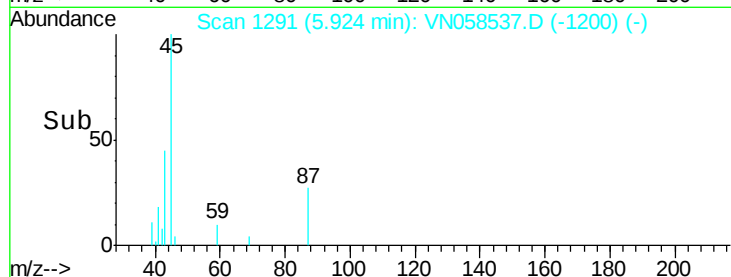
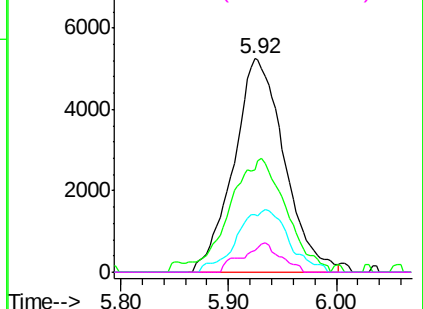
#22
Diisopropyl ether
Concen: 1.183 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.01 min
Lab File: VN058537.D
Acq: 4 Oct 2019 13:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 45 Resp: 17140
Ion Ratio Lower Upper
45 100
43 44.9 49.7 74.5#
87 27.2 21.5 32.3
59 10.0 8.9 13.3

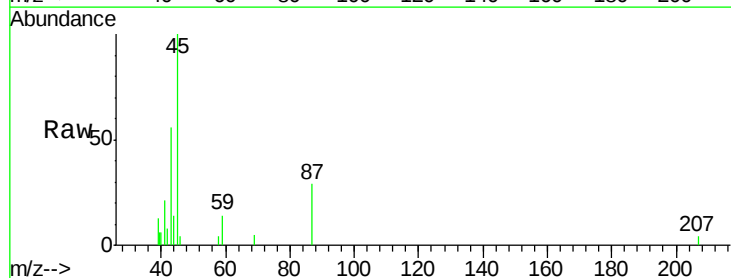


Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

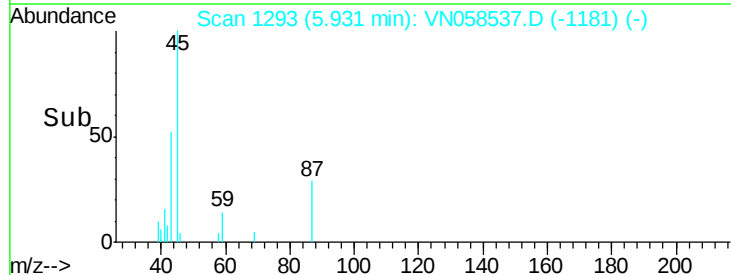
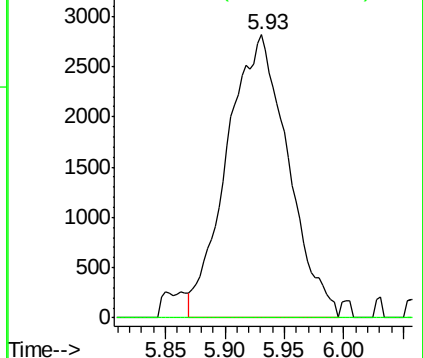


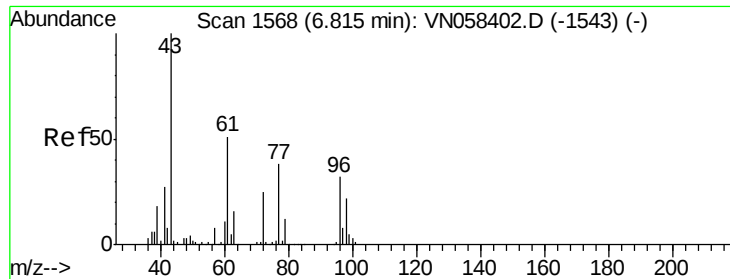
#23
Vinyl Acetate
Concen: 0.916 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.06 min
Lab File: VN058537.D
Acq: 4 Oct 2019 13:59

Tgt Ion: 43 Resp: 10007
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: 40.057 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

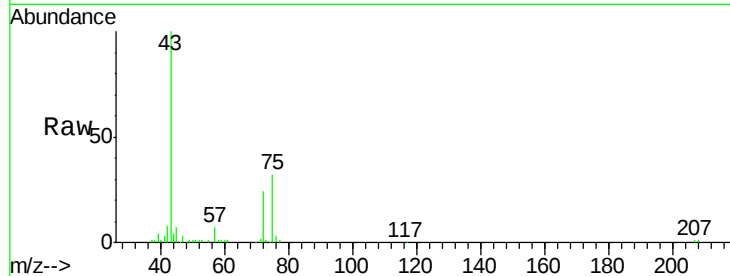
ClientSampled :

Tot Ion: 43 Resp: 107452

Ion Ratio Lower Upper

43 100

72 23.5 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

40000

30000

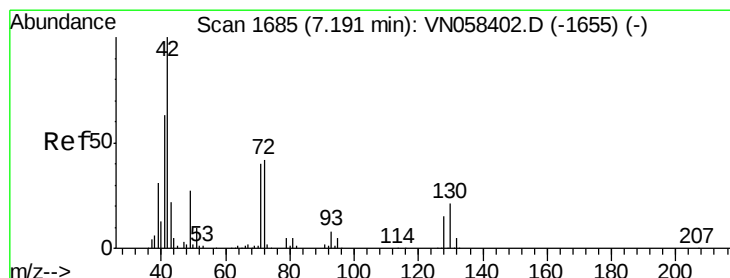
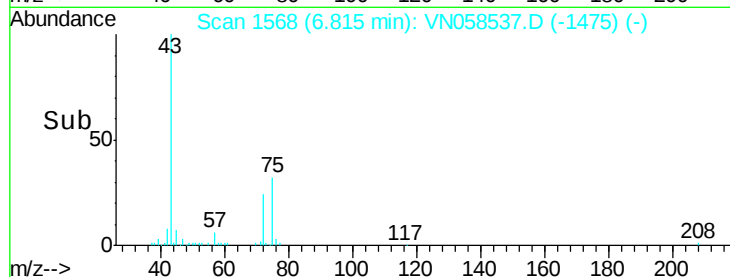
20000

10000

0

6.70 6.80 6.90

Time-->



#29

Tetrahydrofuran

Concen: 0.248 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.02 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

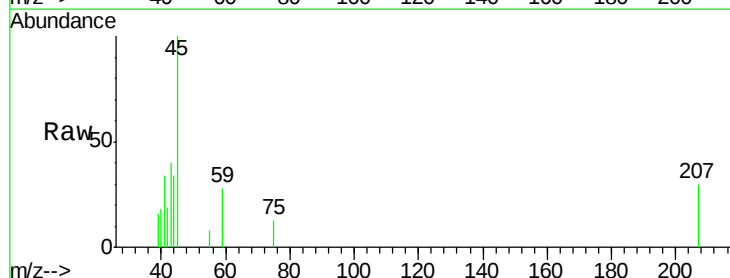
Tgt Ion: 42 Resp: 422

Ion Ratio Lower Upper

42 100

72 40.8 33.7 50.5

71 0.0 31.8 47.6#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

600

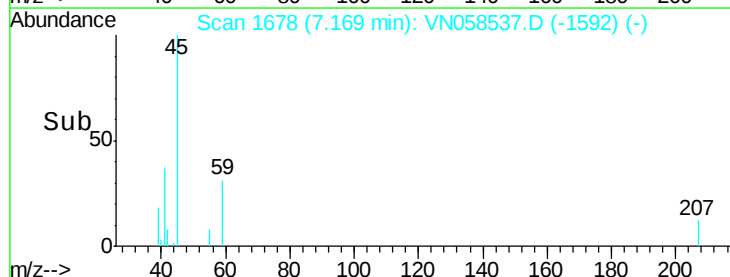
400

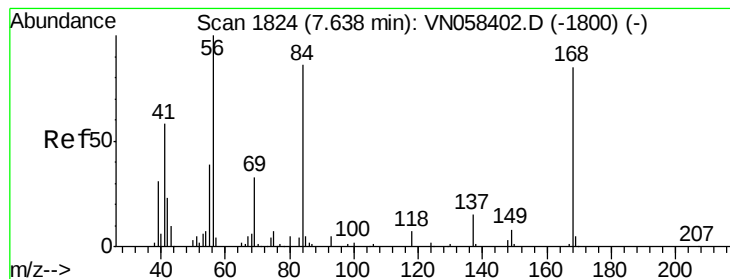
200

0

7.14 7.15 7.16 7.17 7.18

Time-->





#31

Cyclohexane

Concen: 1.387 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :
MSVOA_N
ClientSampleId :

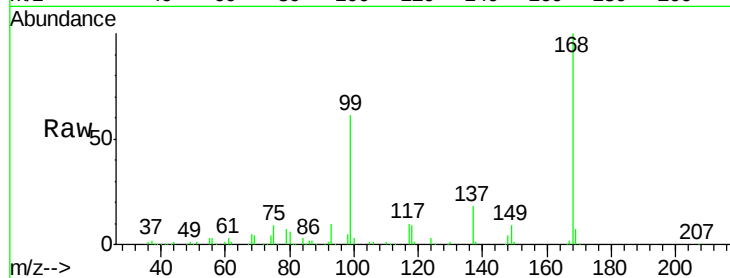
Tot Ion: 56 Resp: 11002

Ion Ratio Lower Upper

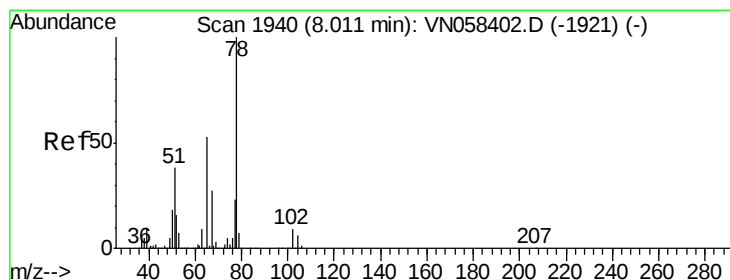
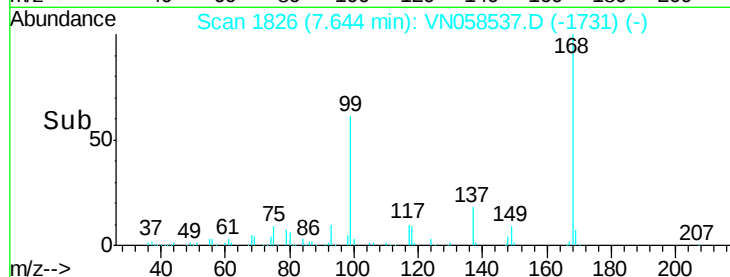
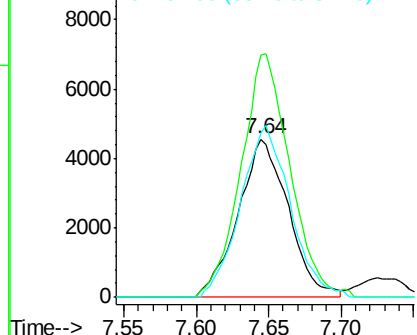
56 100

69 153.3 26.2 39.4#

84 103.9 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#33

1,2-Dichloroethane-d4

Concen: 47.093 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058537.D

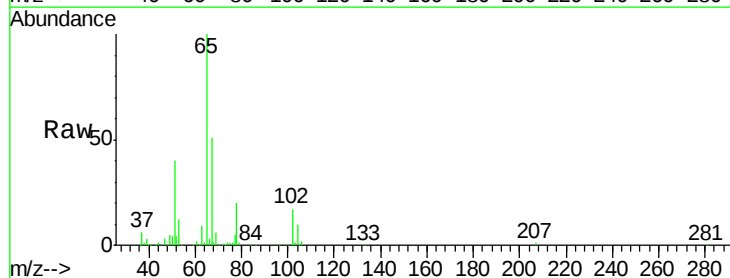
Acq: 4 Oct 2019 13:59

Tgt Ion: 65 Resp: 269909

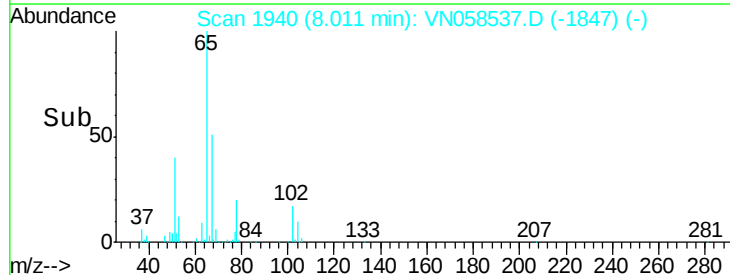
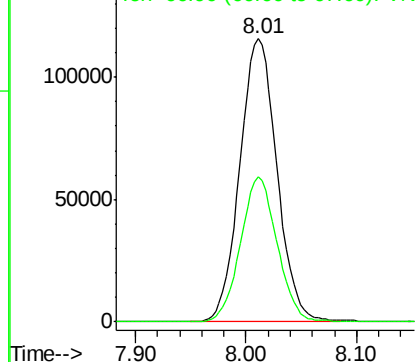
Ion Ratio Lower Upper

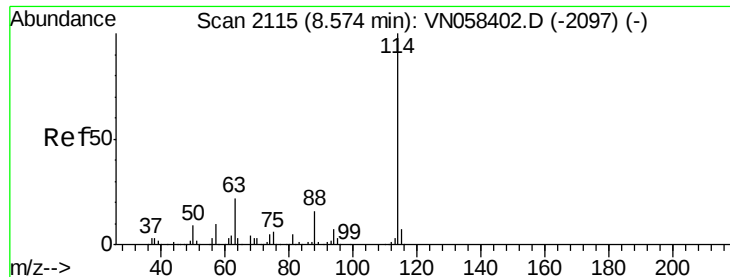
65 100

67 50.4 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :
MSVOA_N
ClientSampleId :

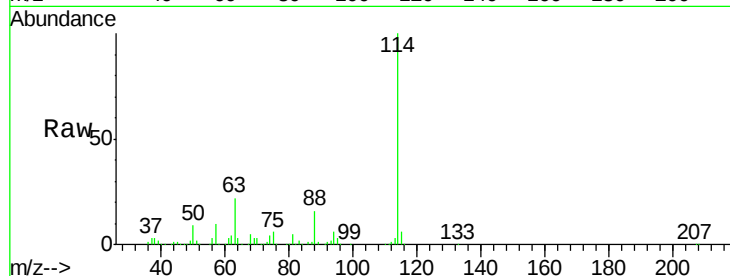
Tot Ion:114 Resp: 626941

Ion Ratio Lower Upper

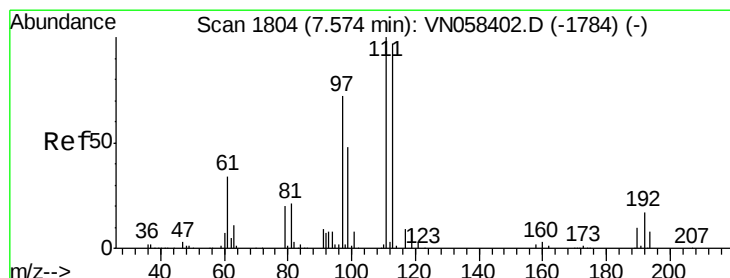
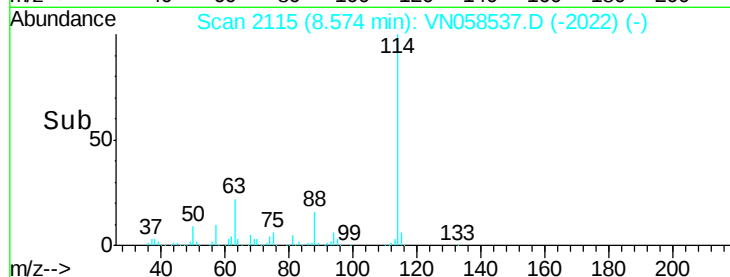
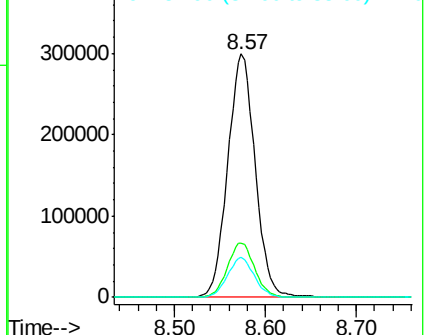
114 100

63 22.4 0.0 45.0

88 16.2 0.0 32.2



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: 47.541 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

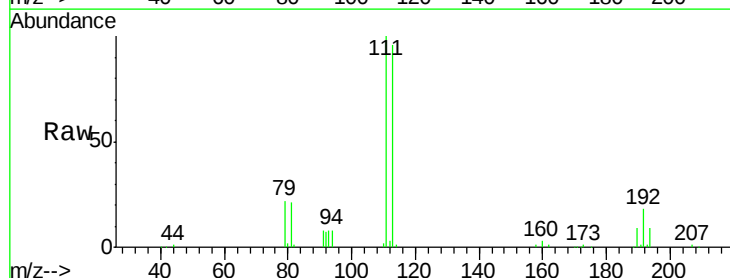
Tgt Ion:113 Resp: 182674

Ion Ratio Lower Upper

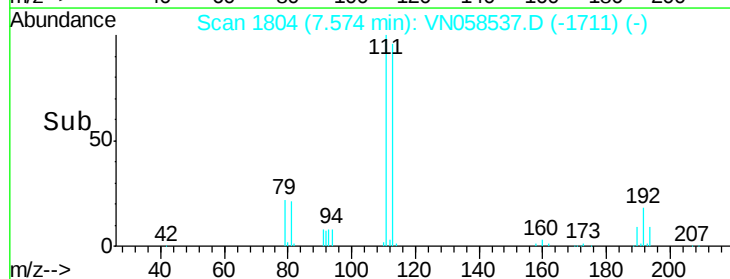
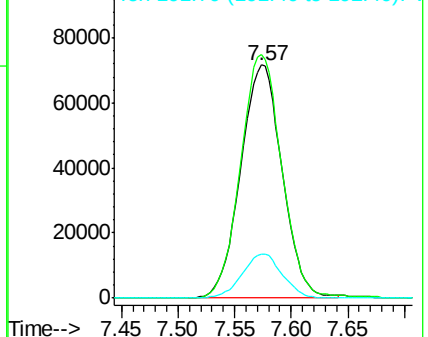
113 100

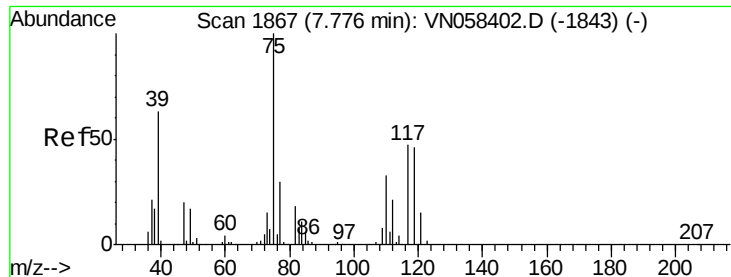
111 104.3 83.4 125.2

192 18.3 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: 5.567 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.13 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampled :

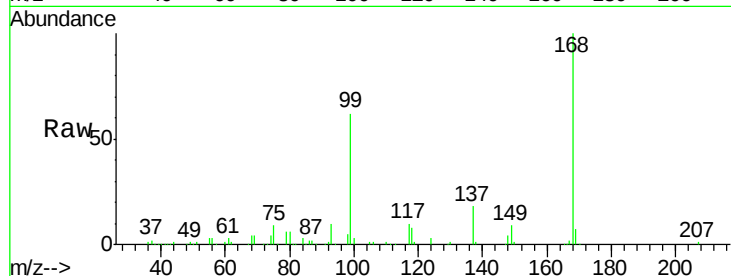
Tot Ion: 75 Resp: 33374

Ion Ratio Lower Upper

75 100

110 8.2 16.4 49.2#

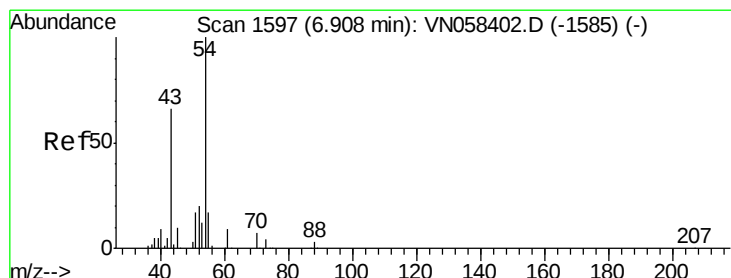
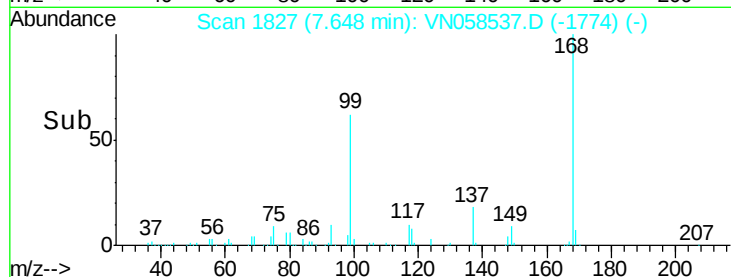
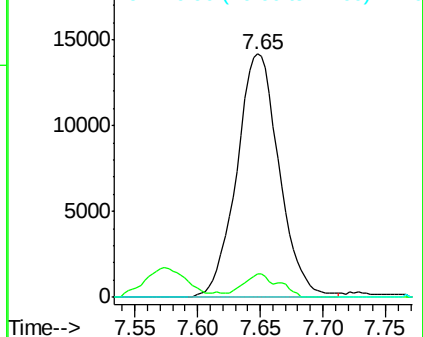
77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 109.90 (109.60 to 110.60): VNC

Ion 76.90 (76.60 to 77.60): VNC



#37

Ethyl Acetate

Concen: 21.141 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.09 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

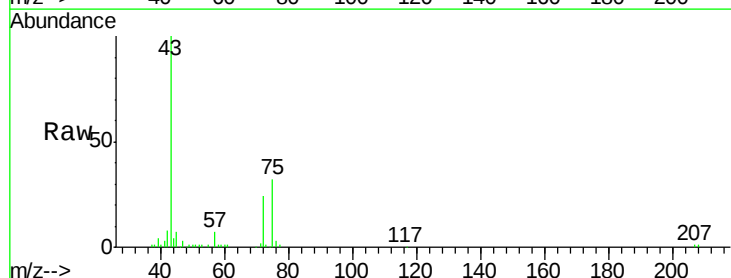
Tgt Ion: 43 Resp: 107452

Ion Ratio Lower Upper

43 100

61 1.6 10.5 15.7#

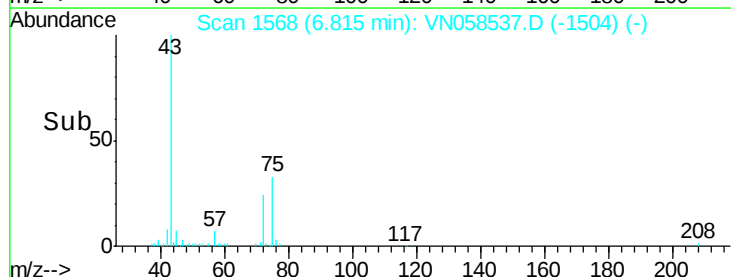
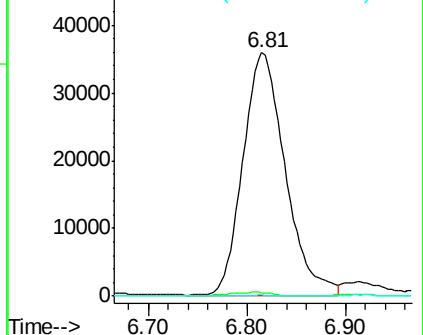
70 0.1 7.8 11.6#

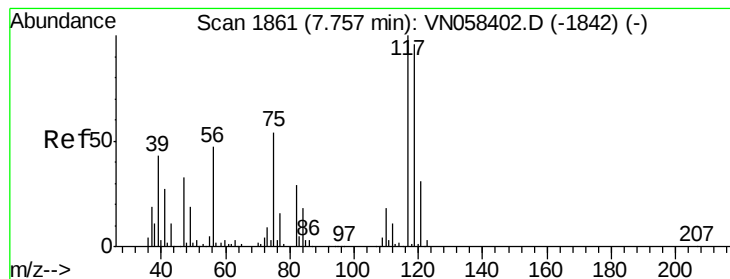


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 70.00 (69.70 to 70.70): VNC





#38

Carbon Tetrachloride

Concen: 7.349 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

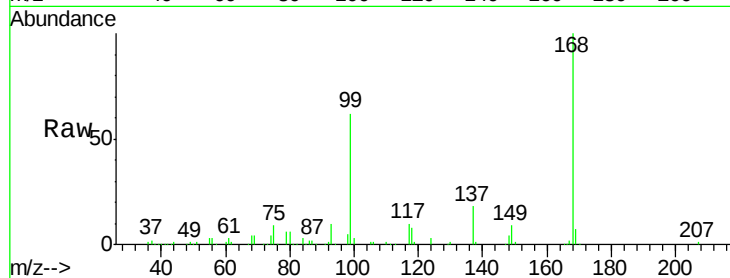
Tot Ion:117 Resp: 39768

Ion Ratio Lower Upper

117 100

119 6.2 76.6 115.0#

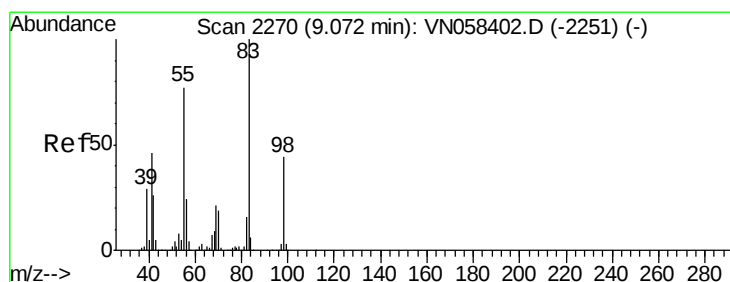
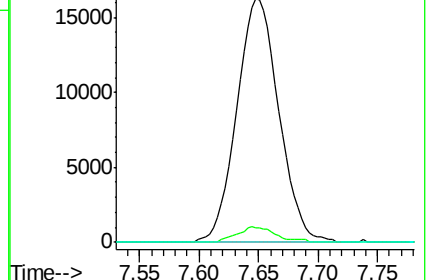
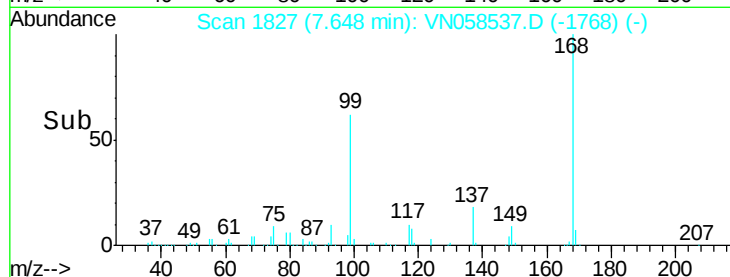
121 0.0 24.7 37.1#



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: 0.556 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

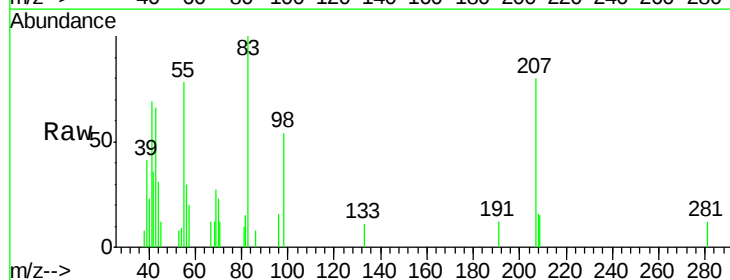
Tgt Ion: 83 Resp: 3895

Ion Ratio Lower Upper

83 100

55 69.8 61.8 92.6

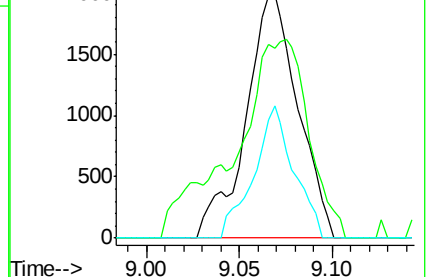
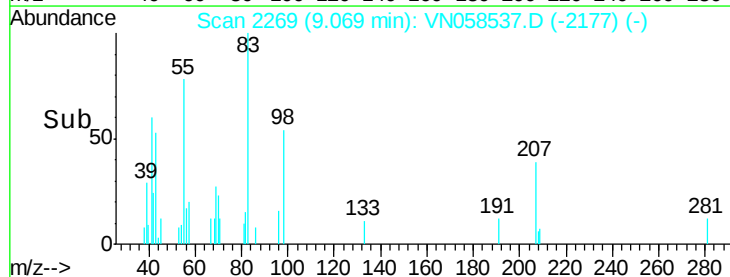
98 54.1 35.4 53.0#

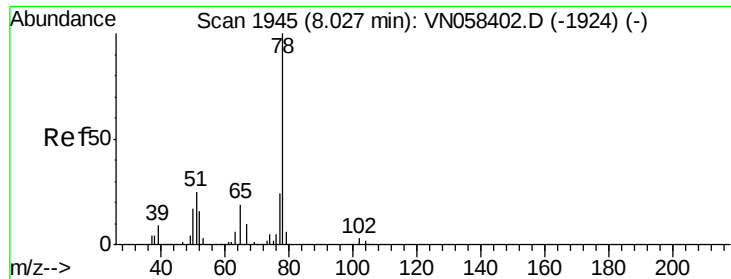


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 5.027 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

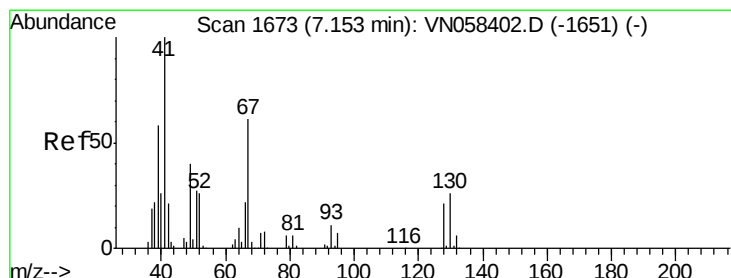
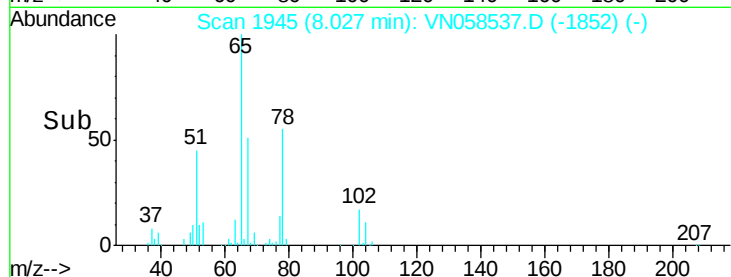
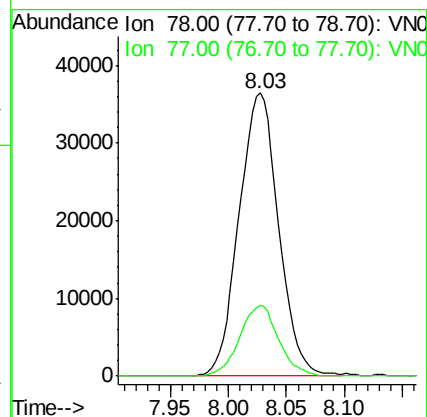
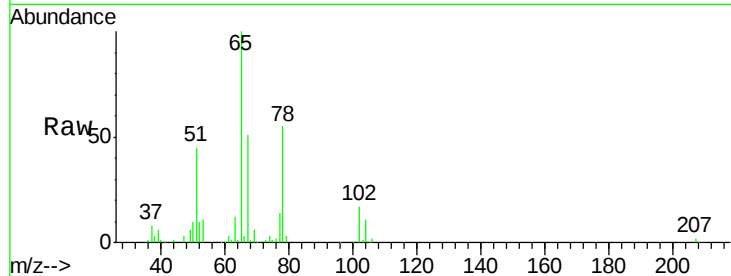
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 78 Resp: 86622

Ion Ratio Lower Upper

78 100

77 25.2 18.9 28.3



#41

Methacrylonitrile

Concen: 0.334 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.02 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Tgt Ion: 41 Resp: 780

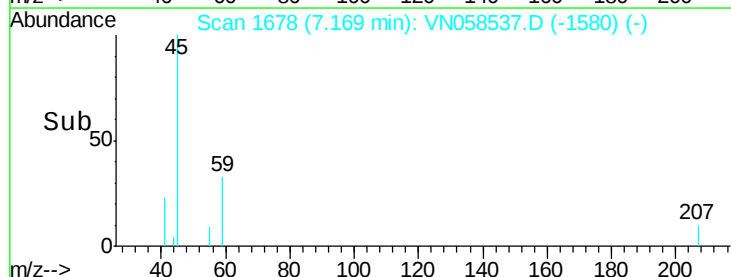
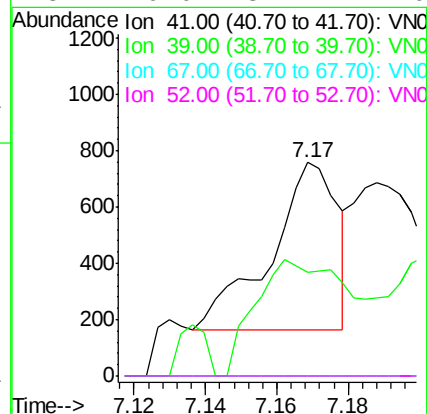
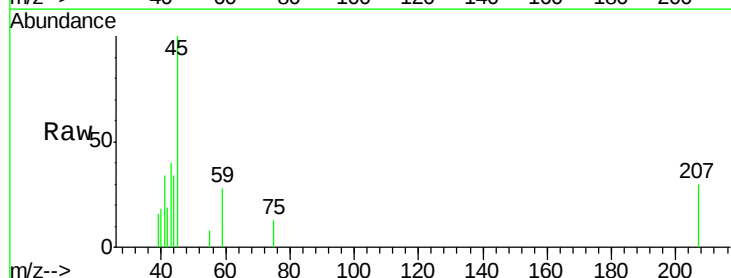
Ion Ratio Lower Upper

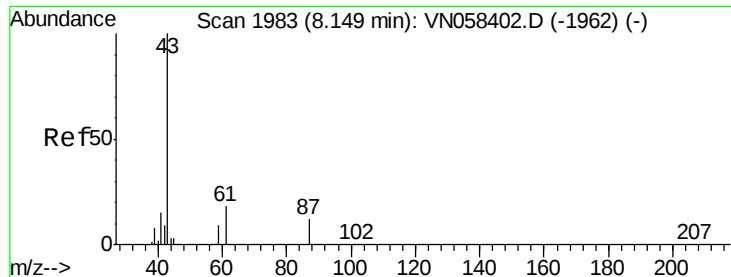
41 100

39 95.4 50.2 75.4#

67 0.0 70.2 105.4#

52 0.0 31.4 47.0#





#43

Isopropyl Acetate

Concen: 0.225 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.01 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

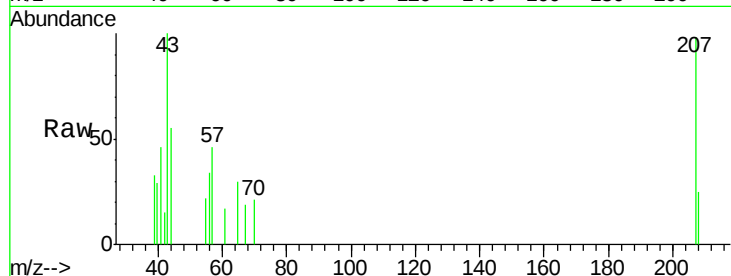
Tot Ion: 43 Resp: 2155

Ion Ratio Lower Upper

43 100

61 12.9 14.8 22.2#

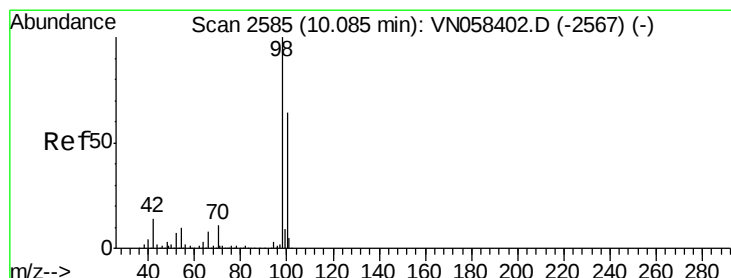
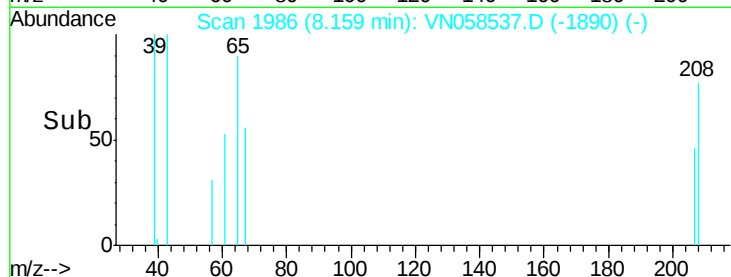
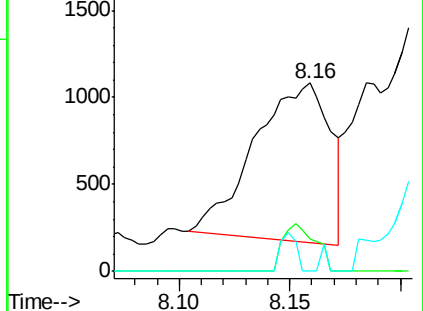
87 5.0 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058402.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058402.D (-1962) (-)



#50

Toluene-d8

Concen: 49.970 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058537.D

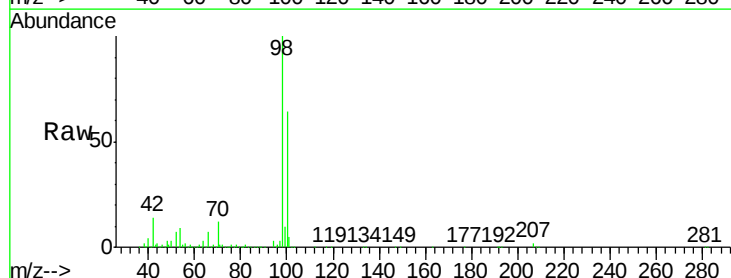
Acq: 4 Oct 2019 13:59

Tgt Ion: 98 Resp: 752180

Ion Ratio Lower Upper

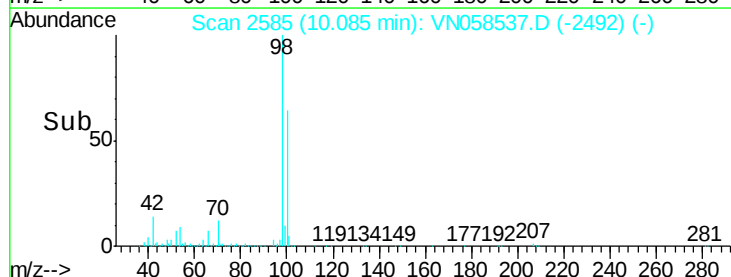
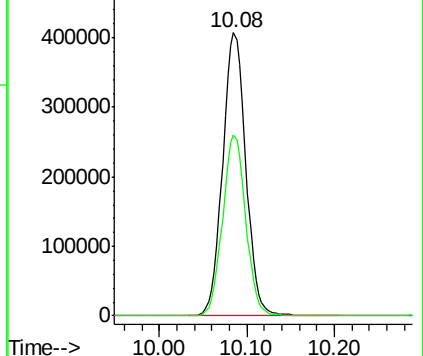
98 100

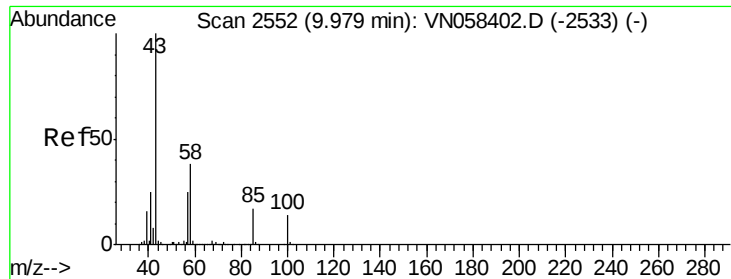
100 63.6 51.0 76.6



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

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





#51

4-Methyl-2-Pentanone

Concen: 1.155 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

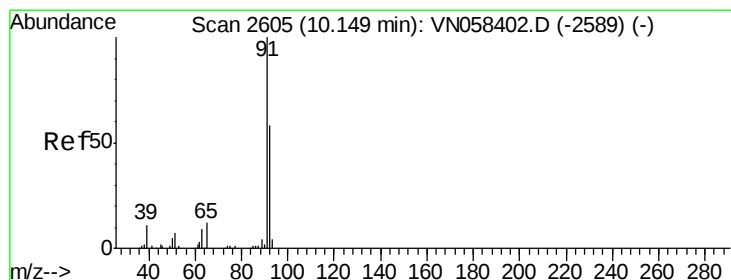
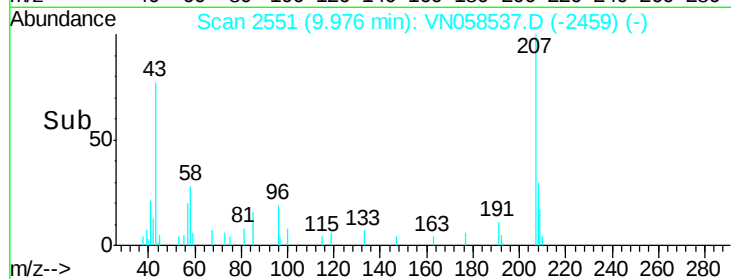
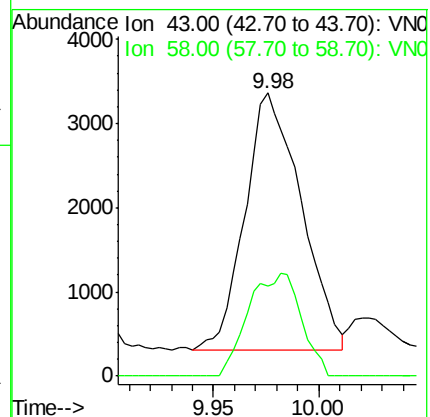
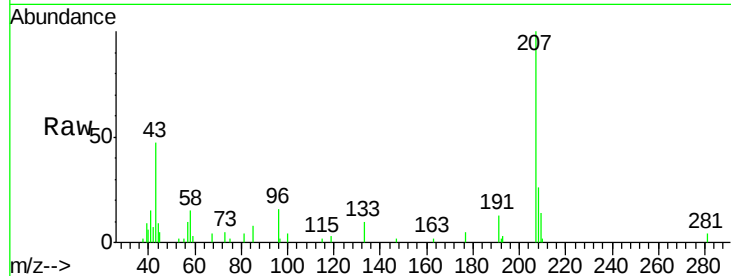
ClientSampleId :

Tot Ion: 43 Resp: 5672

Ion Ratio Lower Upper

43 100

58 37.5 30.2 45.2



#52

Toluene

Concen: 49.270 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058537.D

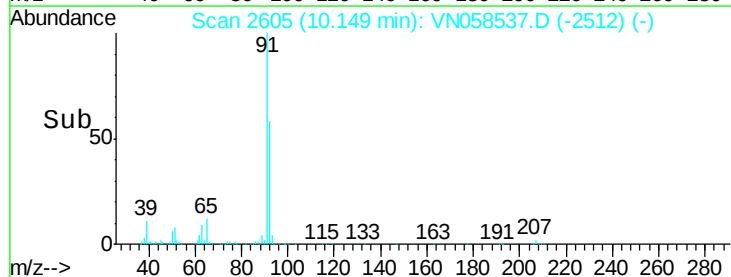
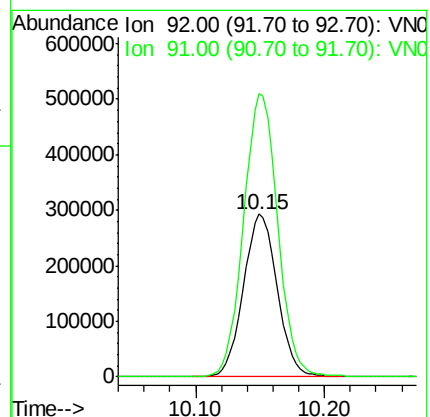
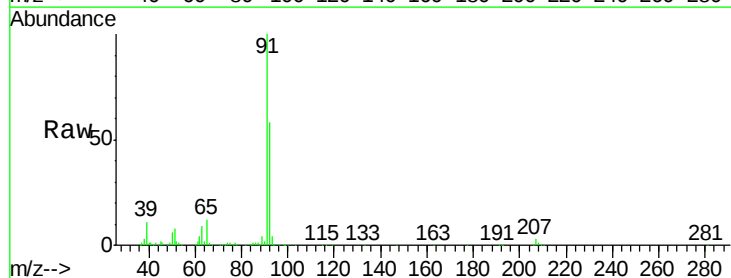
Acq: 4 Oct 2019 13:59

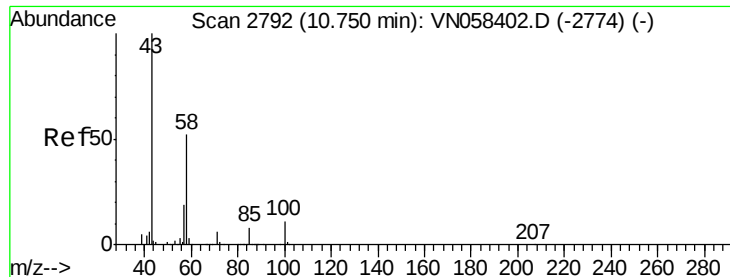
Tgt Ion: 92 Resp: 534394

Ion Ratio Lower Upper

92 100

91 176.4 140.2 210.4

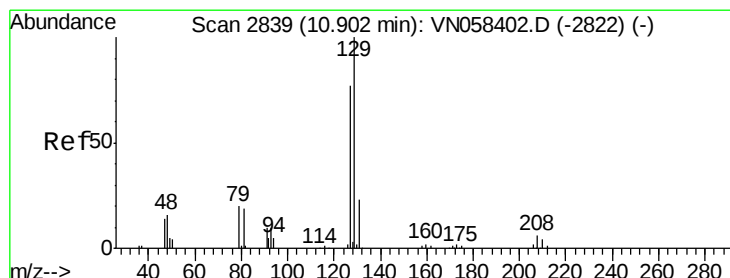
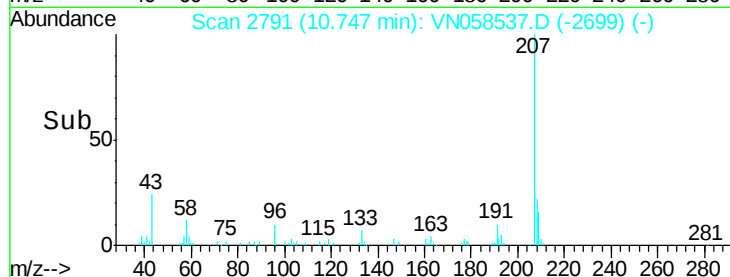
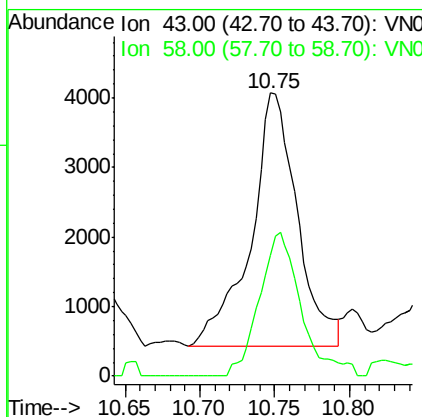
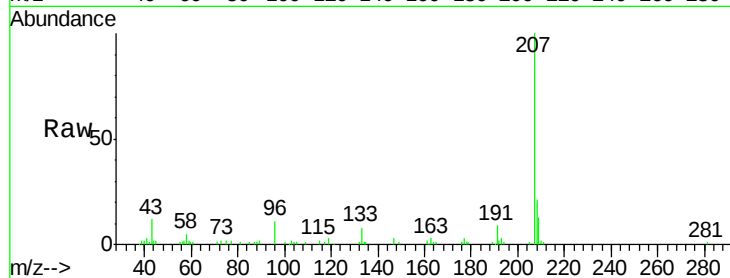




#59
2-Hexanone
Concen: 2.208 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058537.D
Acq: 4 Oct 2019 13:59

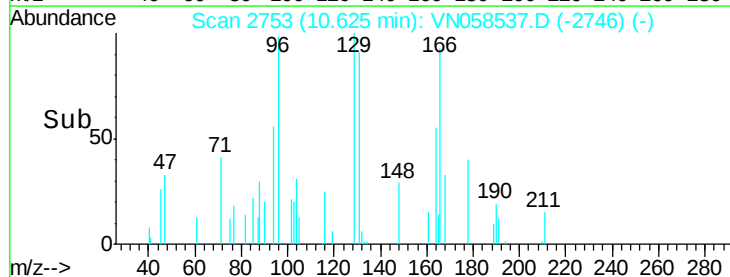
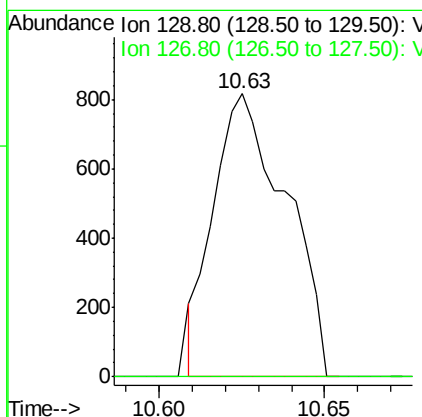
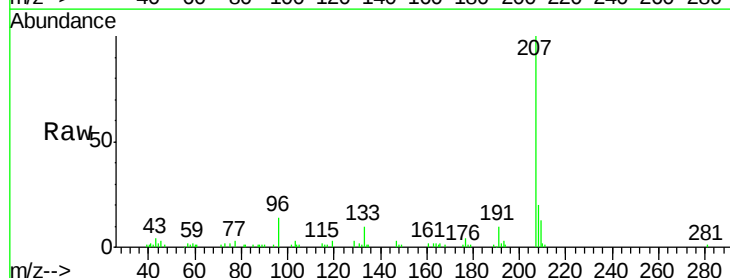
Instrument :
MSVOA_N
ClientSampleId :

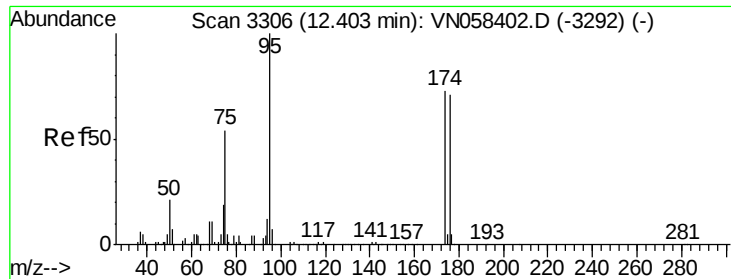
Tot Ion: 43 Resp: 7892
Ion Ratio Lower Upper
43 100
58 50.6 25.8 77.3



#60
Dibromochloromethane
Concen: Below Cal
RT: 10.63 min Scan# 2753
Delta R.T. -0.28 min
Lab File: VN058537.D
Acq: 4 Oct 2019 13:59

Tgt Ion: 129 Resp: 1244
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#





#62

4-Bromofluorobenzene

Concen: 46.755 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

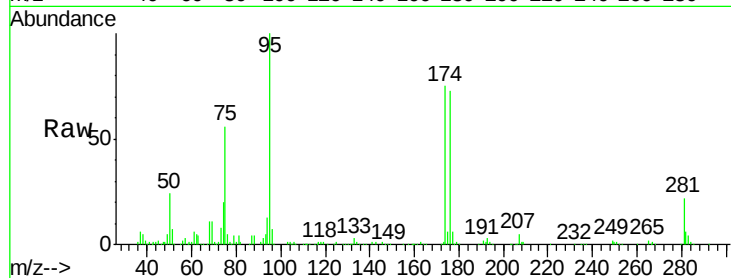
Tot Ion: 95 Resp: 254476

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.6

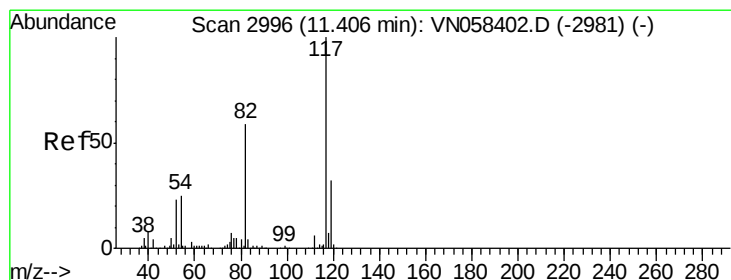
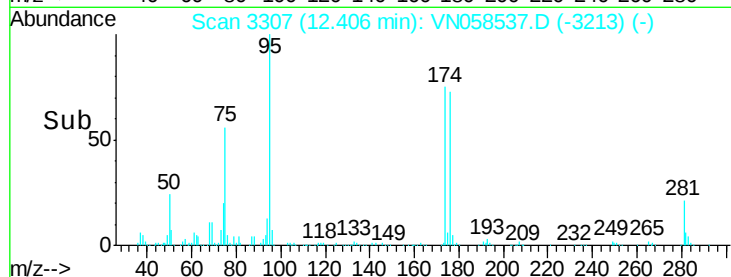
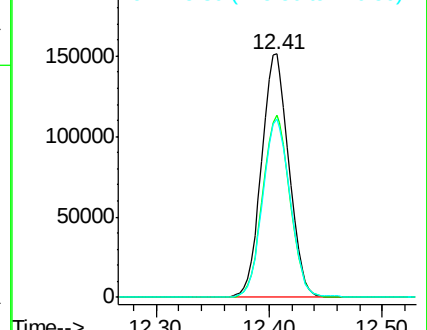
176 73.9 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

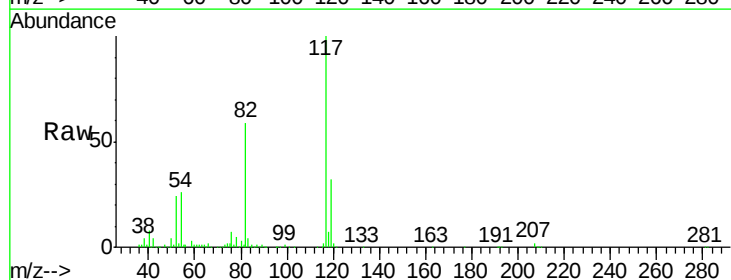
Tgt Ion: 117 Resp: 545411

Ion Ratio Lower Upper

117 100

82 58.6 47.4 71.0

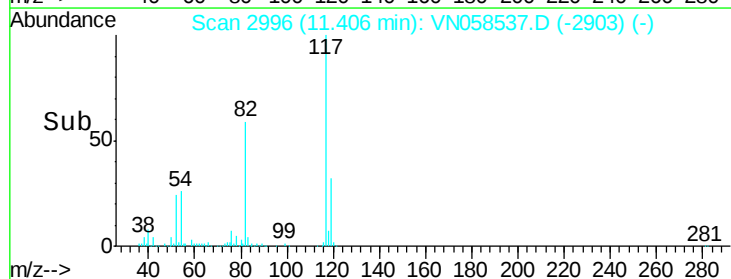
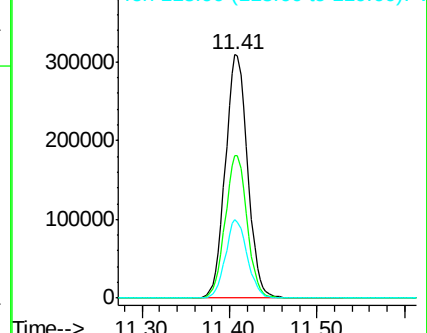
119 32.2 25.5 38.3

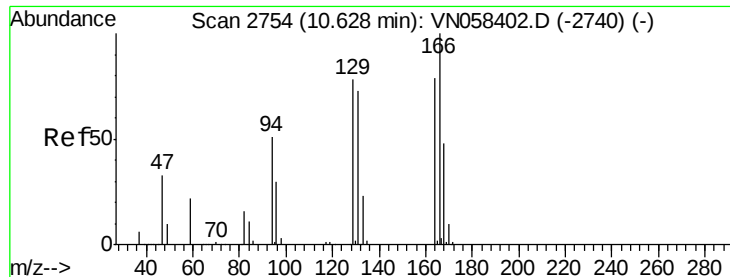


Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)





#64

Tetrachloroethene

Concen: 0.485 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

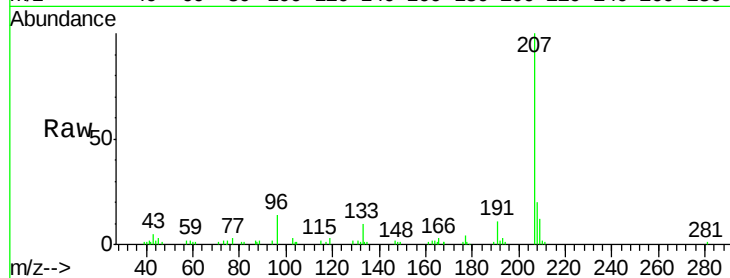
Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampled :



Tot Ion:164 Resp: 1680

Ion Ratio Lower Upper

164 100

166 124.4 101.1 151.7

129 103.1 79.2 118.8

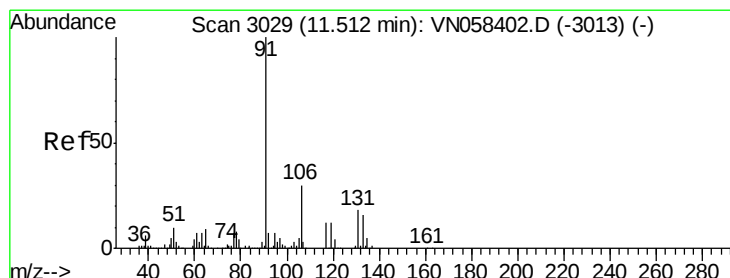
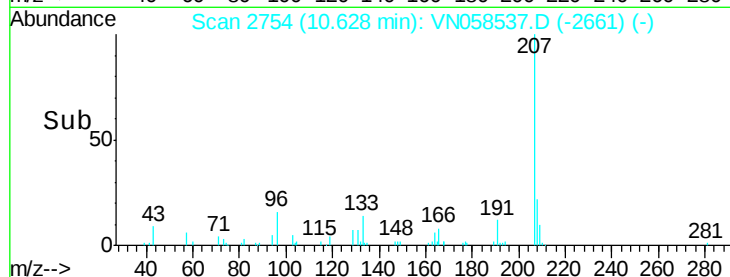
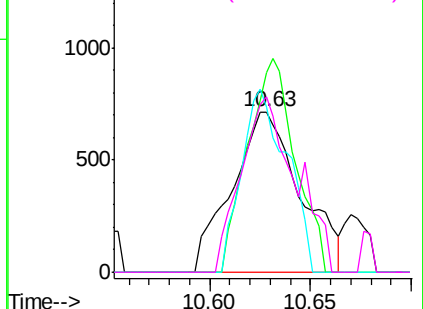
131 109.8 74.1 111.1

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: 10.003 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058537.D

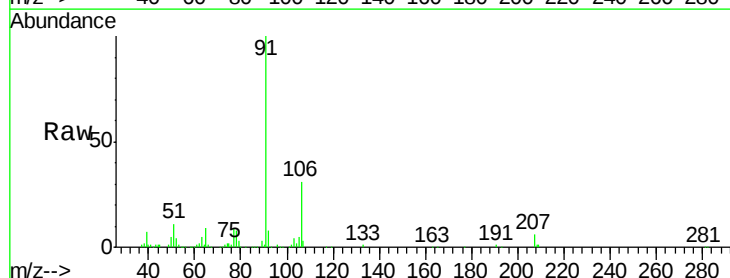
Acq: 4 Oct 2019 13:59

Tgt Ion: 91 Resp: 196436

Ion Ratio Lower Upper

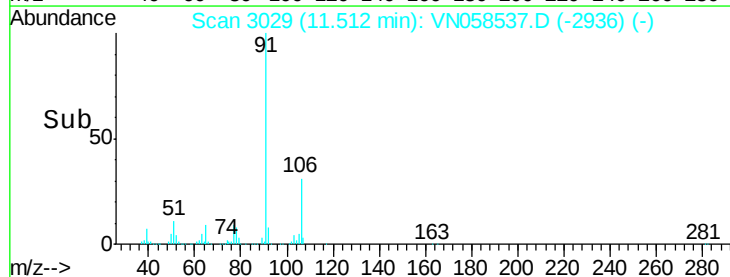
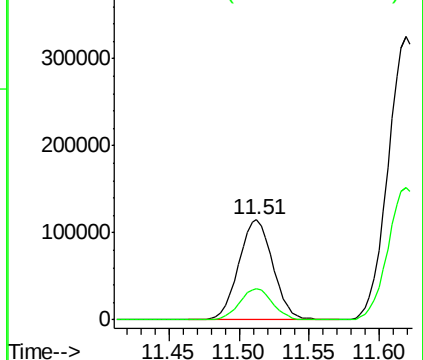
91 100

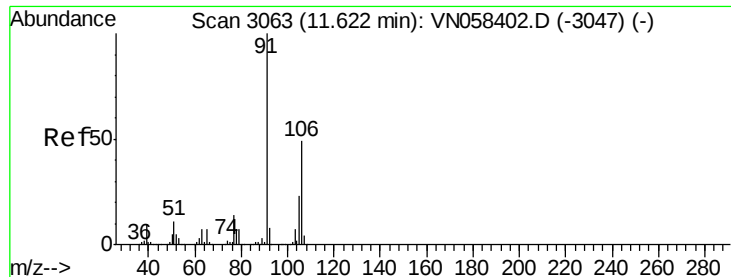
106 31.1 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

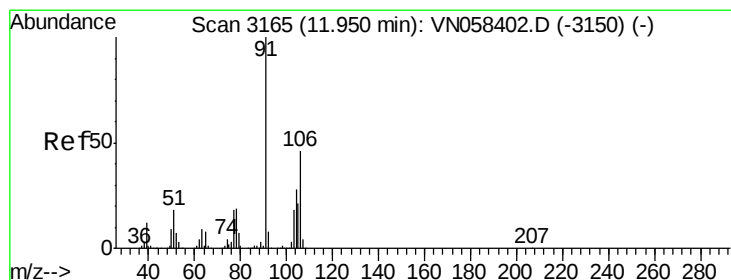
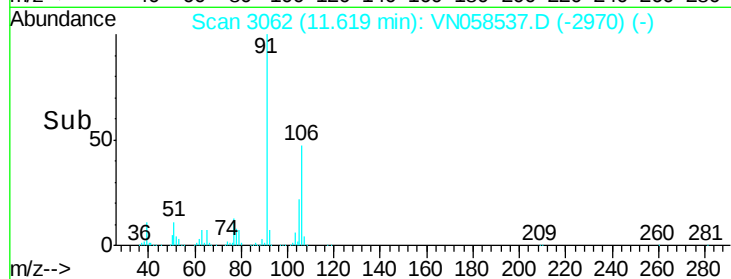
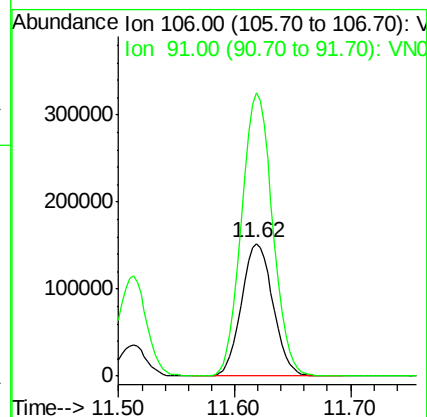
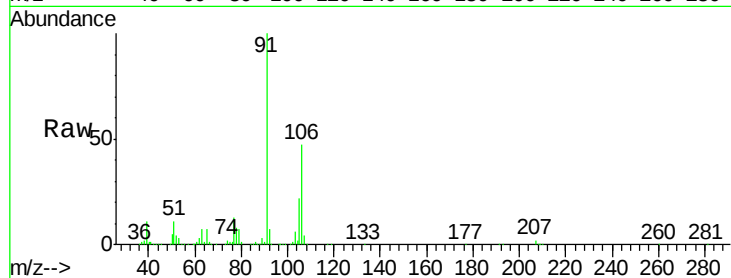




#68
m/p-Xylenes
Concen: 38.926 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058537.D
Acq: 4 Oct 2019 13:59

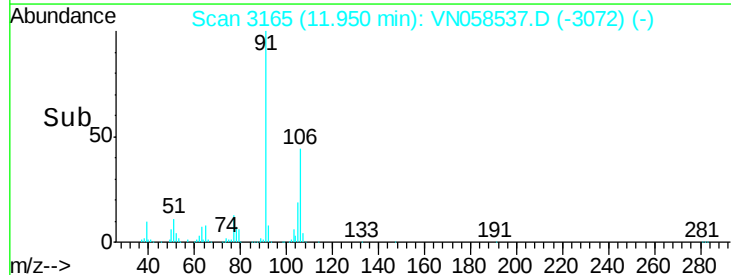
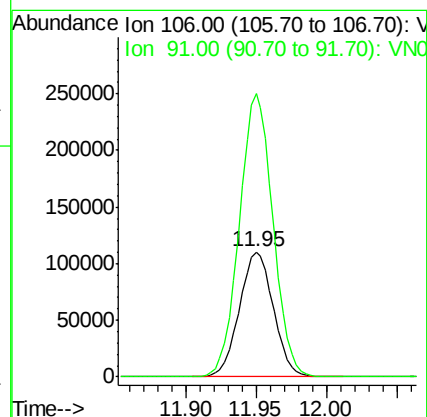
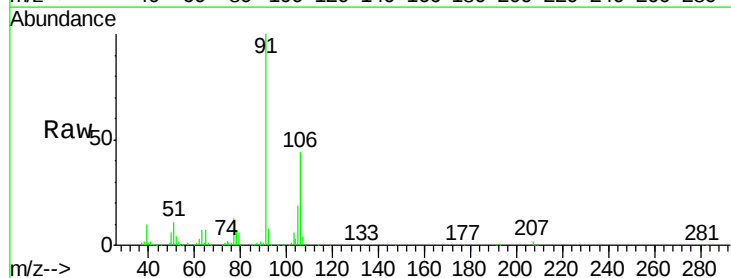
Instrument :
MSVOA_N
ClientSampleId :

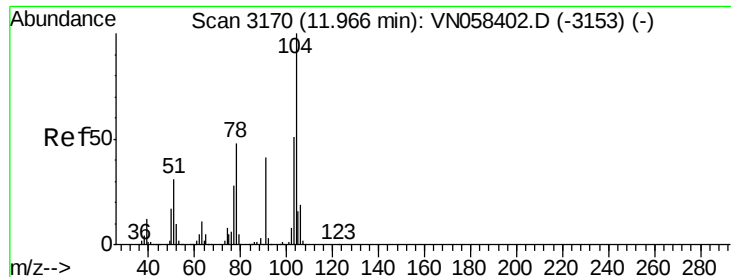
Tot Ion:106 Resp: 287593
Ion Ratio Lower Upper
106 100
91 210.9 165.0 247.4



#69
o-Xylene
Concen: 26.199 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058537.D
Acq: 4 Oct 2019 13:59

Tgt Ion:106 Resp: 186331
Ion Ratio Lower Upper
106 100
91 223.6 109.1 327.4

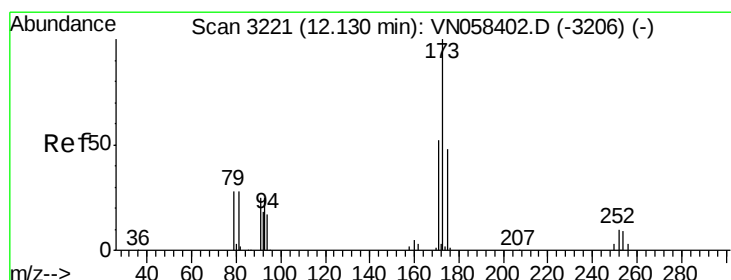
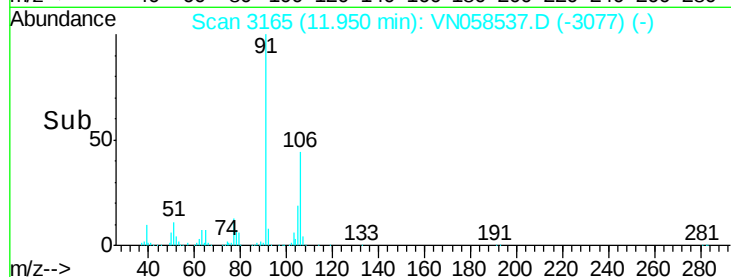
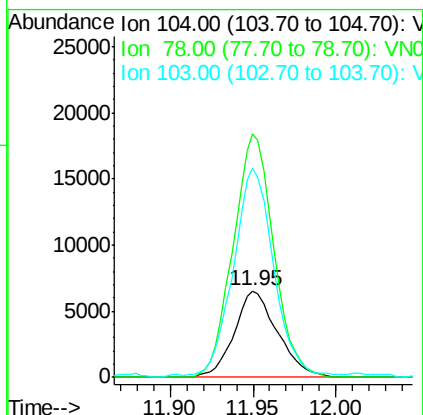
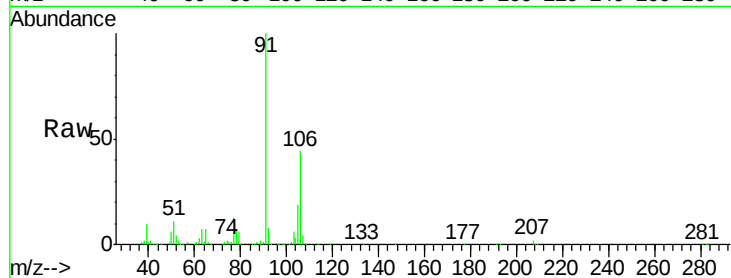




#70
Stvrene
Concen: 1.024 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.02 min
Lab File: VN058537.D
Acq: 4 Oct 2019 13:59

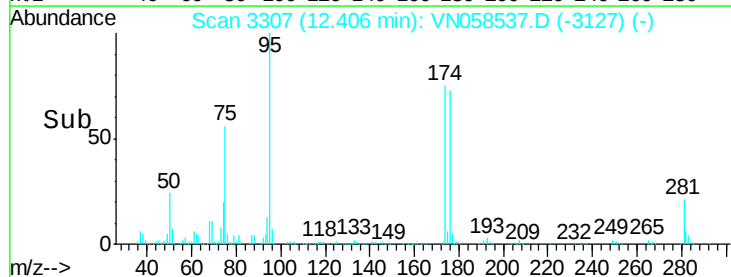
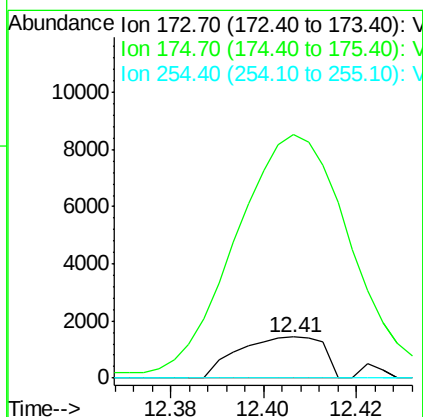
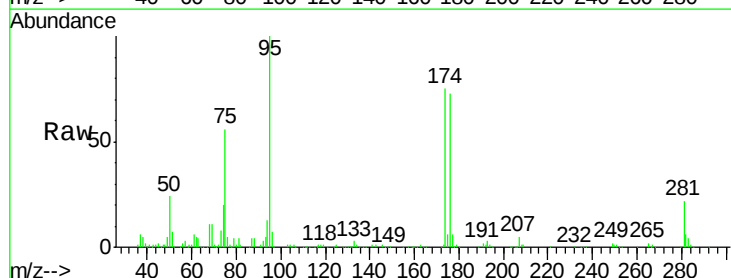
Instrument :
MSVOA_N
ClientSampled :

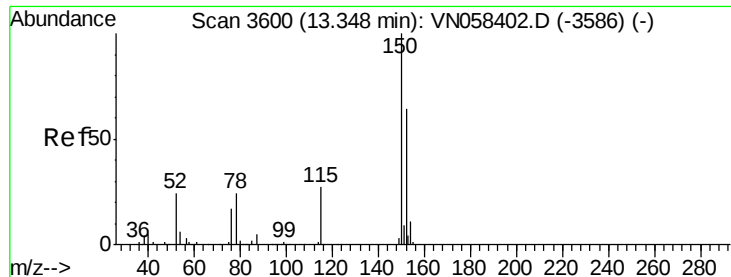
Tot Ion:104 Resp: 11829
Ion Ratio Lower Upper
104 100
78 263.5 42.8 64.2#
103 220.0 43.7 65.5#



#71
Bromoform
Concen: 1.401 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058537.D
Acq: 4 Oct 2019 13:59

Tgt Ion:173 Resp: 1809
Ion Ratio Lower Upper
173 100
175 692.5 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

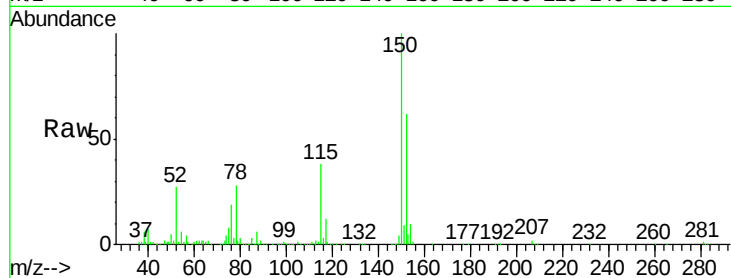
Tot Ion:152 Resp: 232048

Ion Ratio Lower Upper

152 100

115 64.8 30.0 90.0

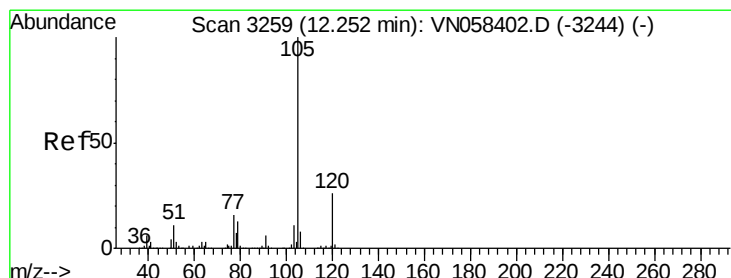
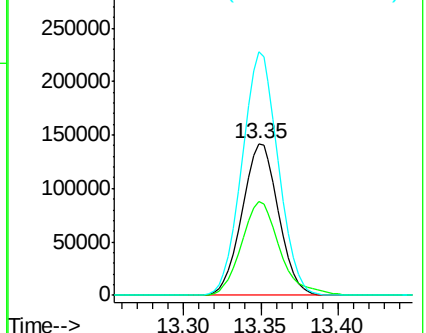
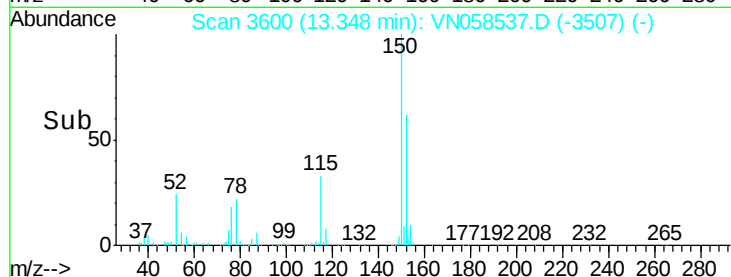
150 159.9 0.0 348.2



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: 0.870 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058537.D

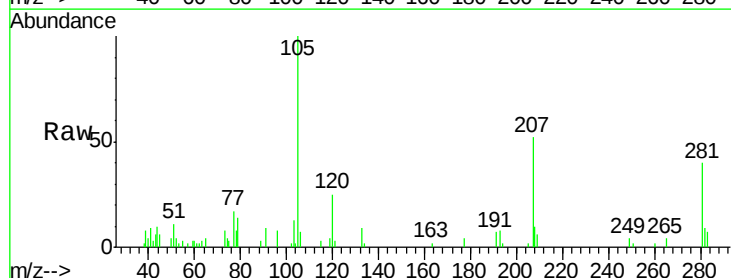
Acq: 4 Oct 2019 13:59

Tgt Ion:105 Resp: 14927

Ion Ratio Lower Upper

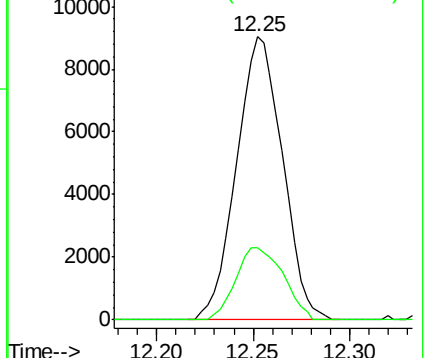
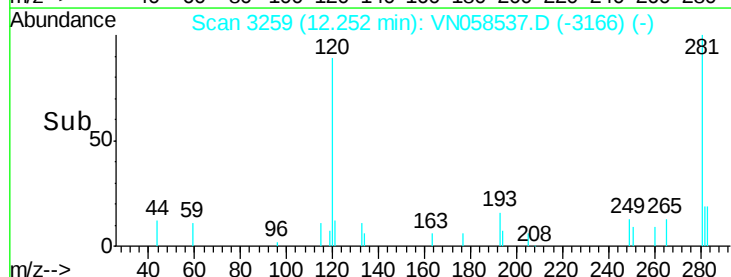
105 100

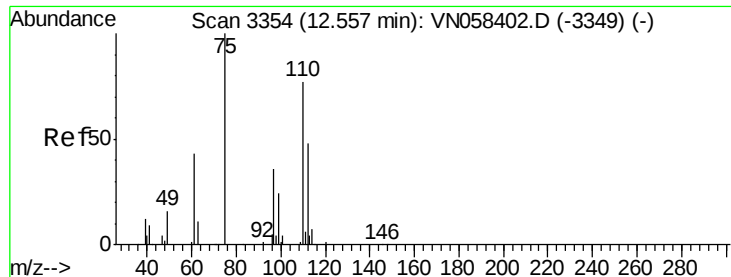
120 26.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 33.902 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

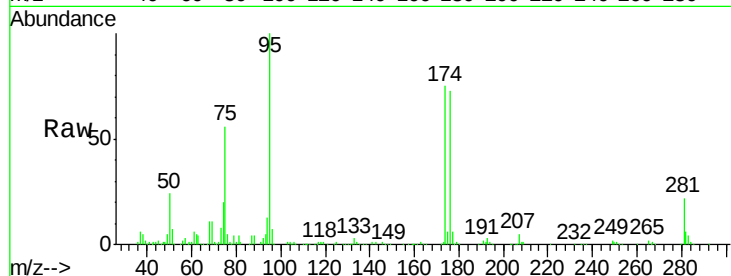
ClientSampleId :

Tot Ion: 75 Resp: 143689

Ion Ratio Lower Upper

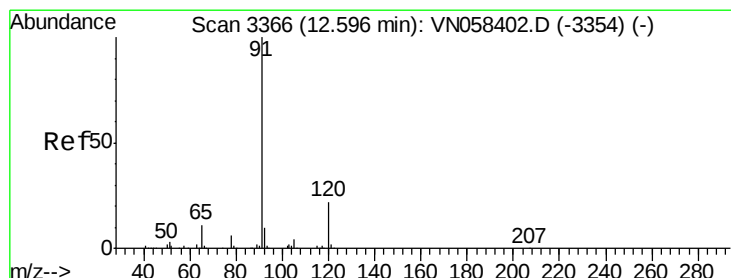
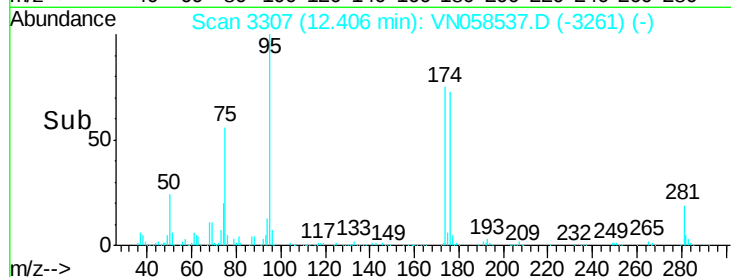
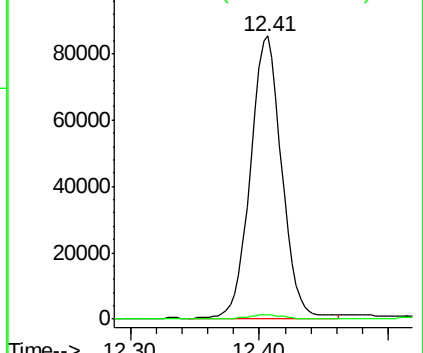
75 100

77 1.5 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: 2.754 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058537.D

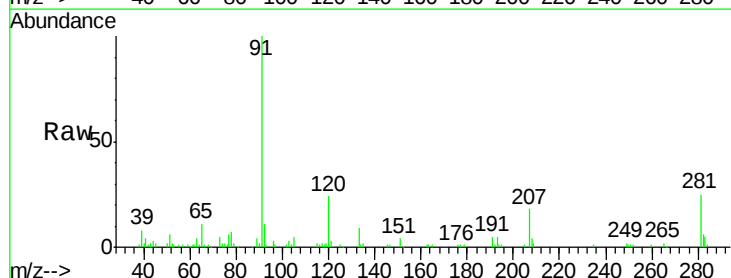
Acq: 4 Oct 2019 13:59

Tgt Ion: 91 Resp: 53212

Ion Ratio Lower Upper

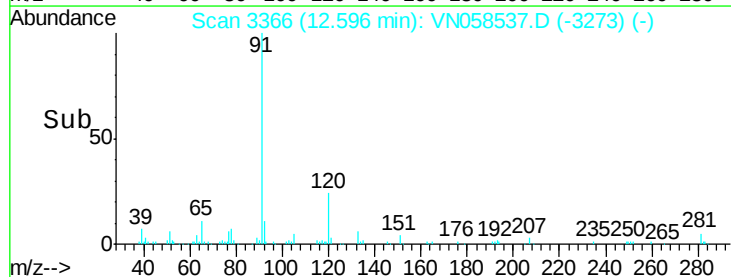
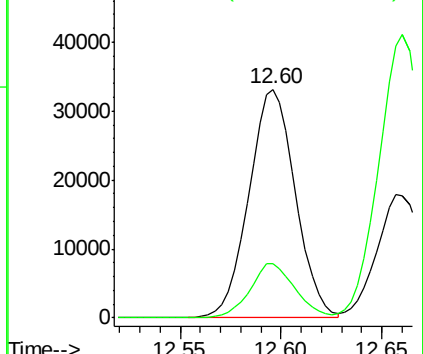
91 100

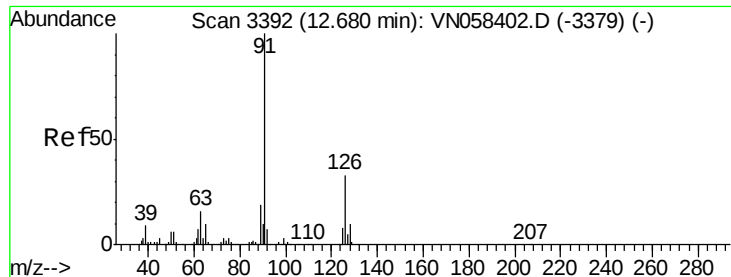
120 23.1 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

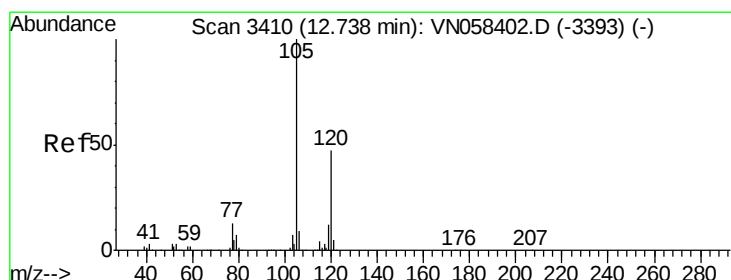
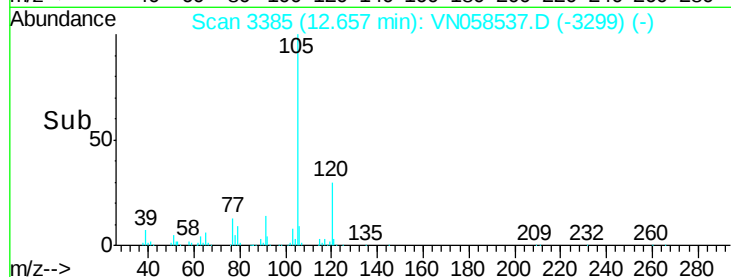
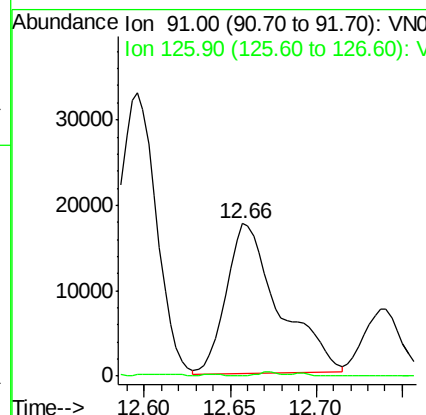
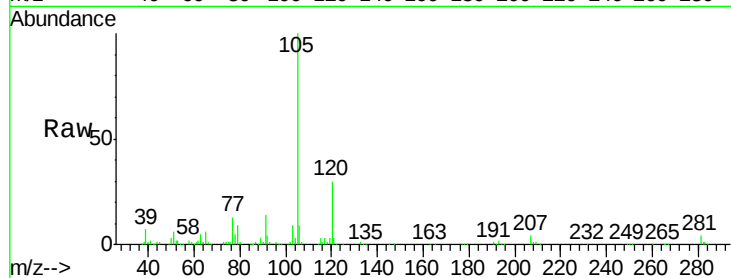




#79
 2-Chlorotoluene
 Concen: 3.113 ug/l
 RT: 12.66 min Scan# 3385
 Delta R.T. -0.02 min
 Lab File: VN058537.D
 Acq: 4 Oct 2019 13:59

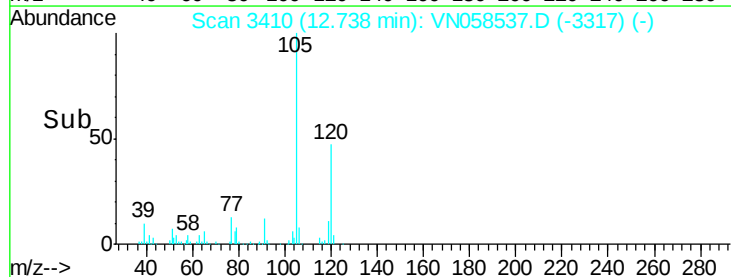
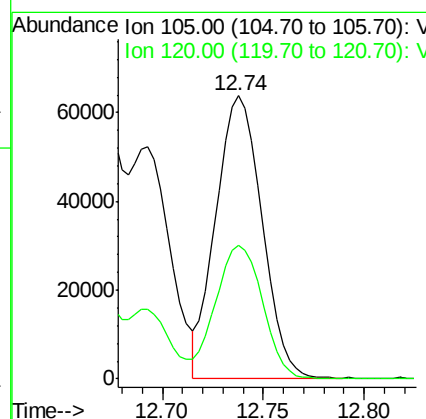
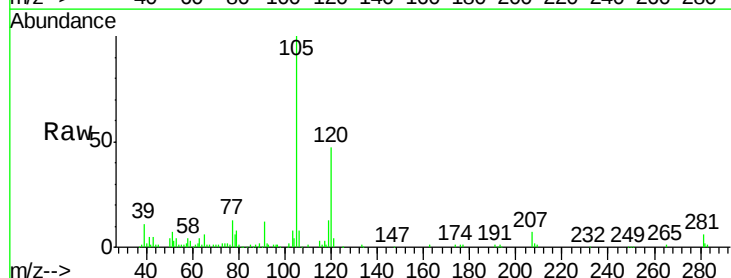
Instrument :
 MSVOA_N
 ClientSampled :

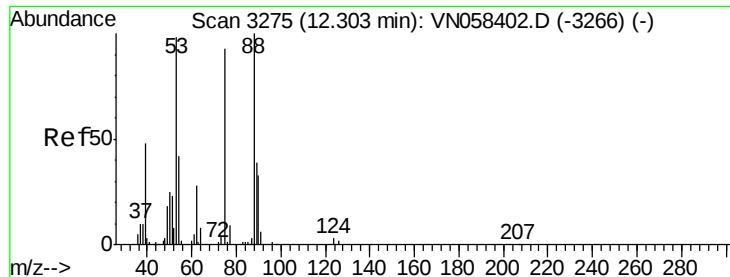
Tot Ion: 91 Resp: 37128
 Ion Ratio Lower Upper
 91 100
 126 1.1 16.2 48.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 7.045 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058537.D
 Acq: 4 Oct 2019 13:59

Tgt Ion: 105 Resp: 101138
 Ion Ratio Lower Upper
 105 100
 120 48.9 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 102.964 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

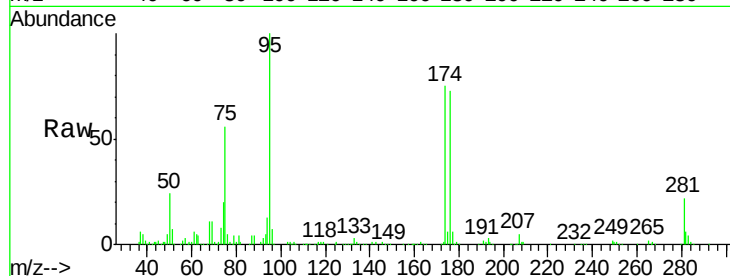
Tot Ion: 75 Resp: 143689

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

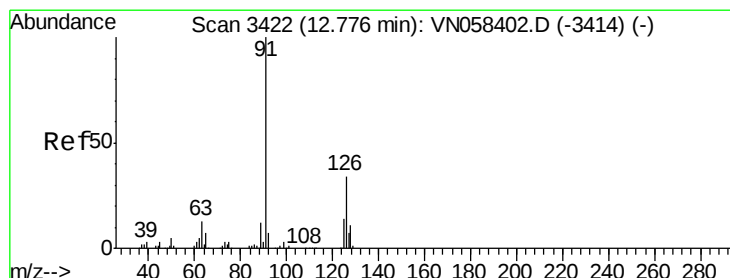
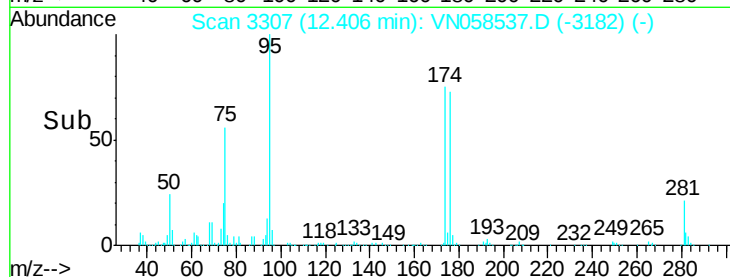
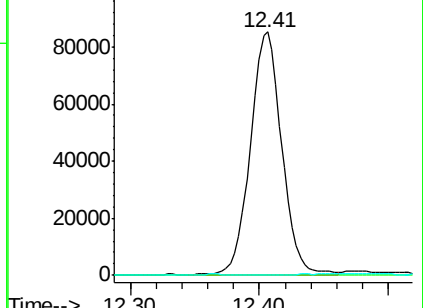
89 0.2 35.0 52.4#



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: 0.836 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.04 min

Lab File: VN058537.D

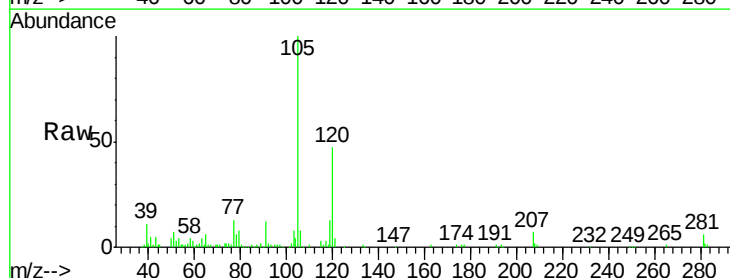
Acq: 4 Oct 2019 13:59

Tgt Ion: 91 Resp: 10171

Ion Ratio Lower Upper

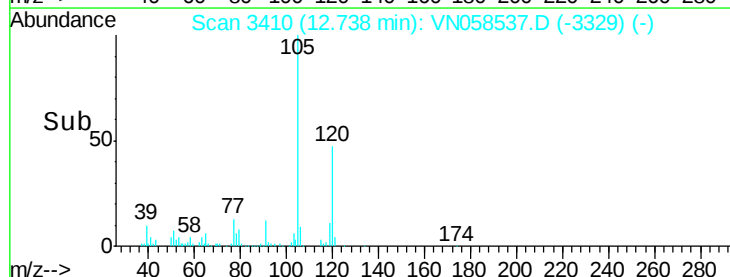
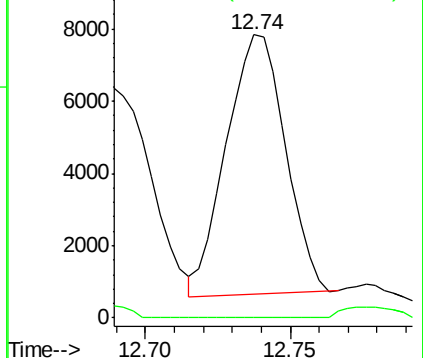
91 100

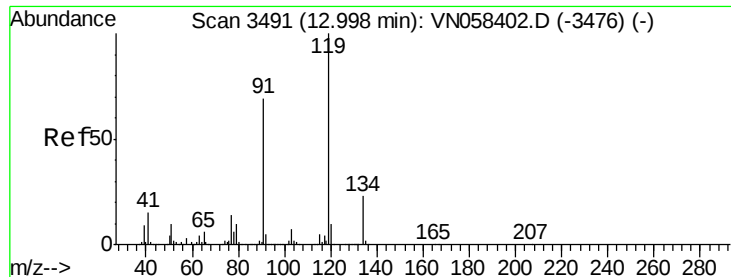
126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

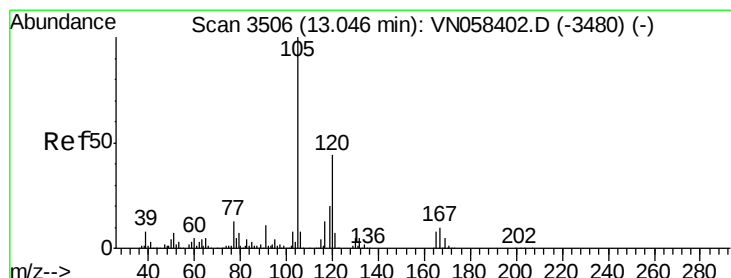
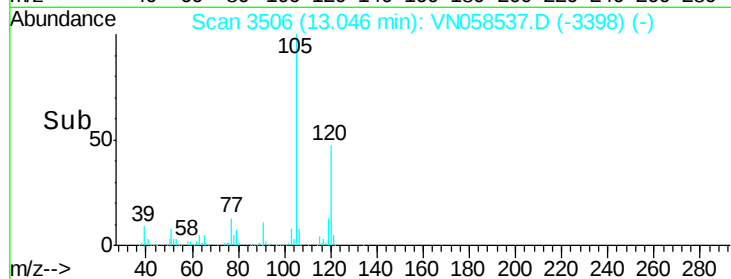
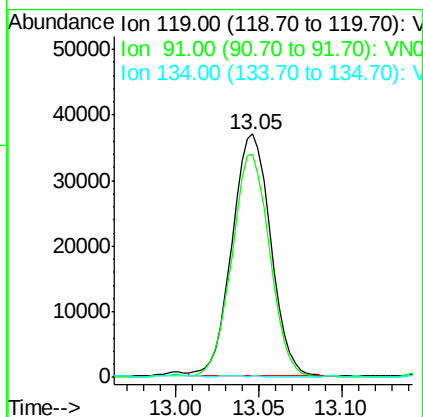
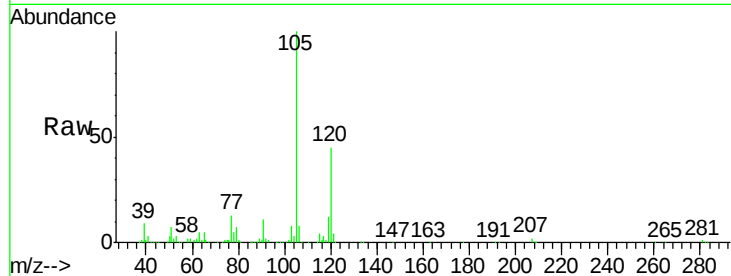




#83
 tert-Butylbenzene
 Concen: 4.954 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.05 min
 Lab File: VN058537.D
 Acq: 4 Oct 2019 13:59

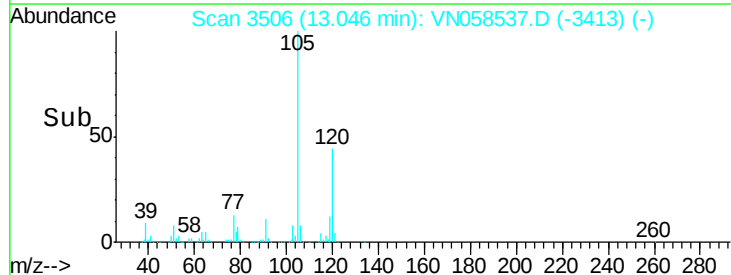
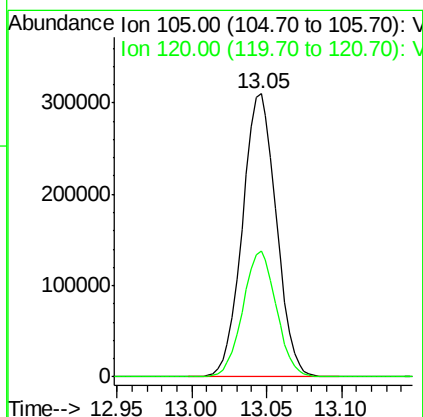
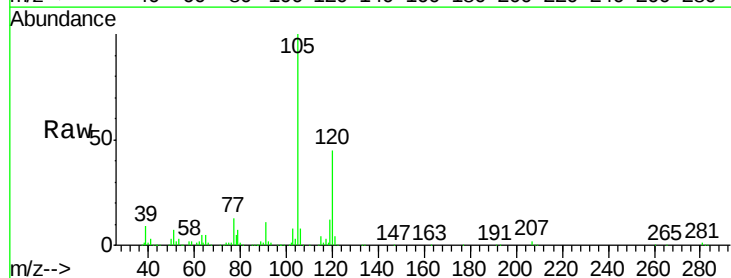
Instrument :
 MSVOA_N
 ClientSampled :

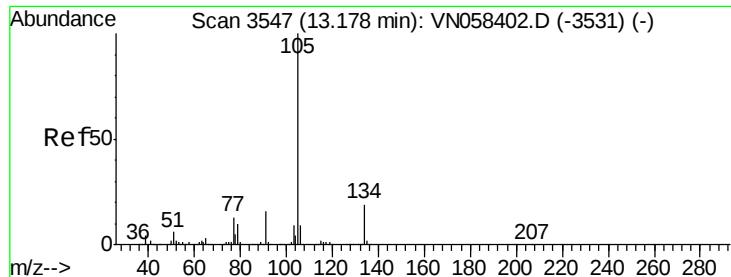
Tot Ion:119 Resp: 60014
 Ion Ratio Lower Upper
 119 100
 91 90.3 34.2 102.6
 134 0.2 11.6 34.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 34.051 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058537.D
 Acq: 4 Oct 2019 13:59

Tgt Ion:105 Resp: 489753
 Ion Ratio Lower Upper
 105 100
 120 43.9 21.7 65.1





#85

sec-Butylbenzene

Concen: 30.718 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.13 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

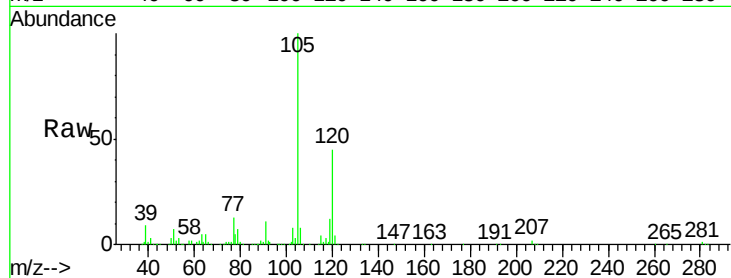
ClientSampled :

Tot Ion:105 Resp: 489753

Ion Ratio Lower Upper

105 100

134 0.0 9.4 28.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.05

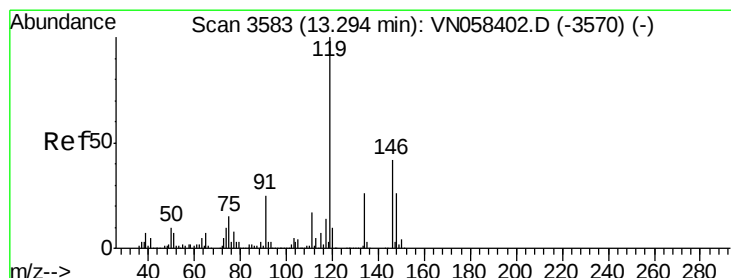
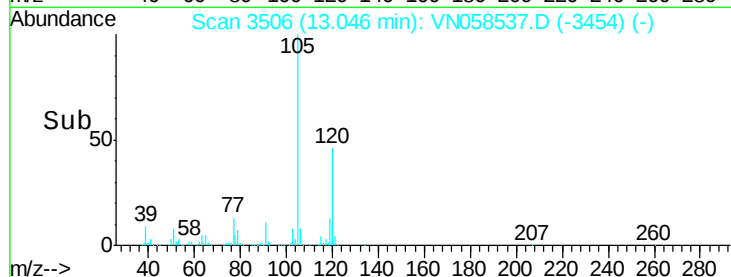
300000

200000

100000

0

Time--> 12.95 13.00 13.05 13.10



#86

p-Isopropyltoluene

Concen: 0.484 ug/l

RT: 13.24 min Scan# 3566

Delta R.T. -0.05 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

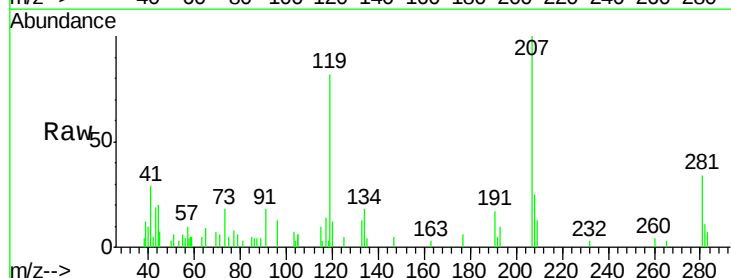
Tgt Ion:119 Resp: 6786

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 25.9 12.4 37.0



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

5000

4000

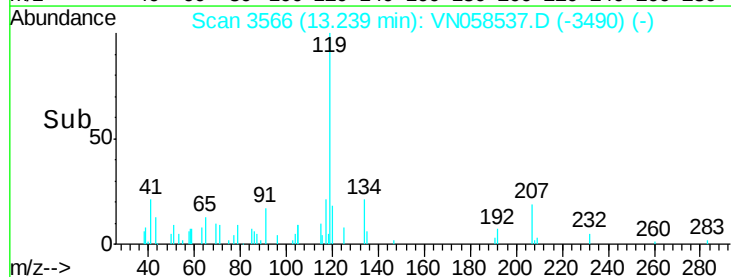
3000

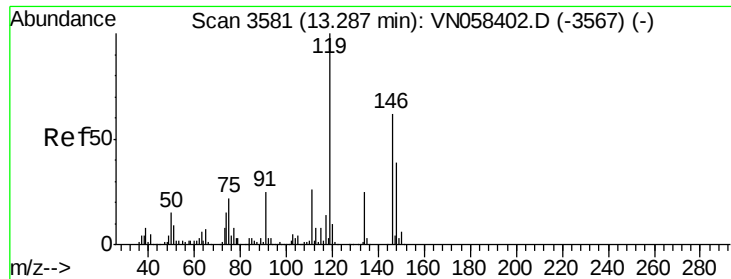
2000

1000

0

Time--> 13.20 13.25

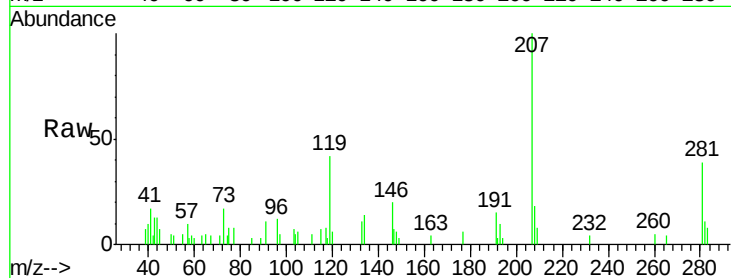




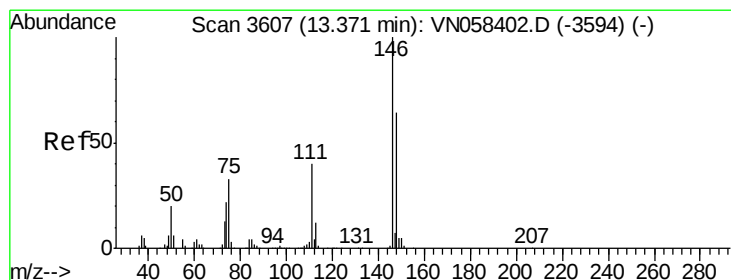
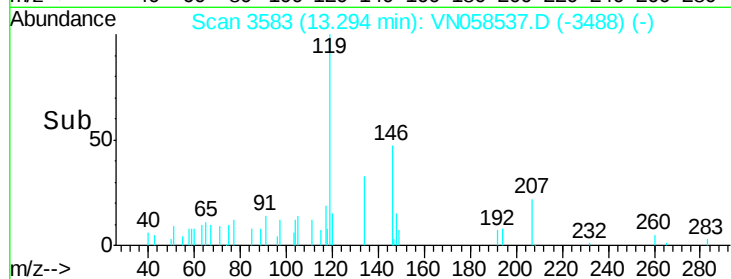
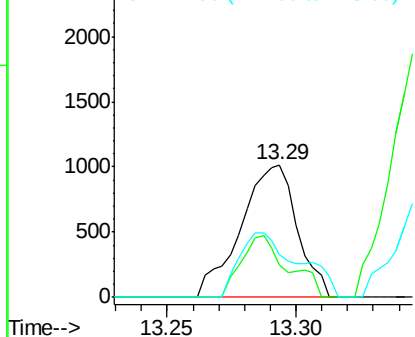
#87
 1,3-Dichlorobenzene
 Concen: 0.213 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.01 min
 Lab File: VN058537.D
 Acq: 4 Oct 2019 13:59

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 1556
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.8 62.4
 148 50.8 31.4 94.3

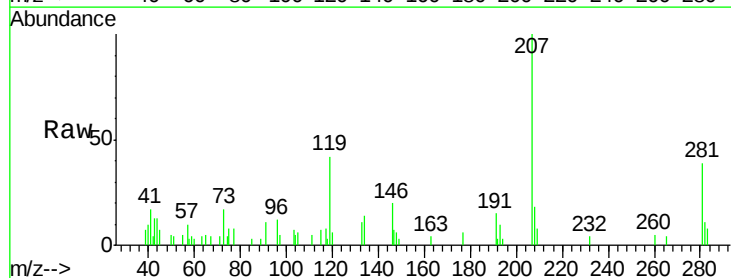


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

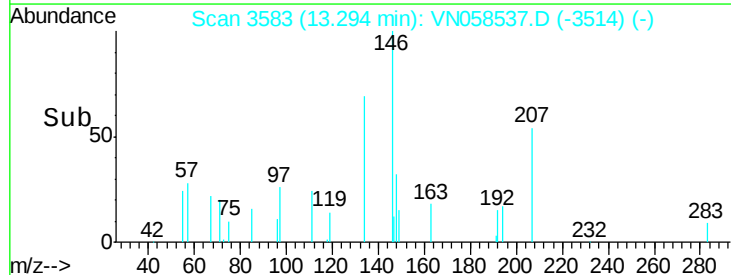
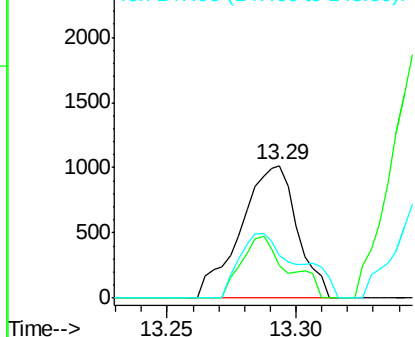


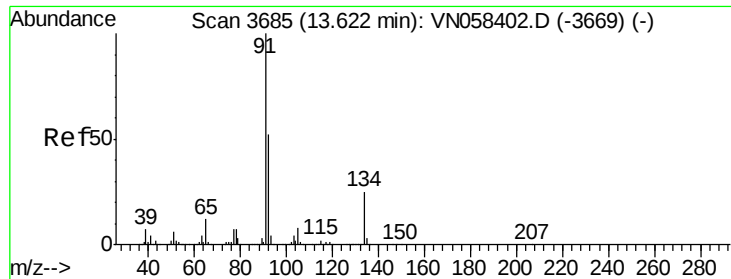
#88
 1,4-Dichlorobenzene
 Concen: 0.214 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.08 min
 Lab File: VN058537.D
 Acq: 4 Oct 2019 13:59

Tgt Ion:146 Resp: 1556
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.5 61.6
 148 50.8 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

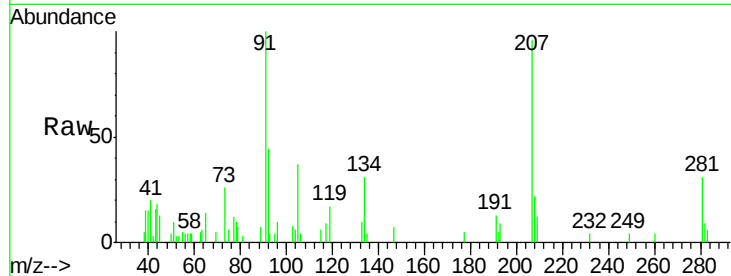




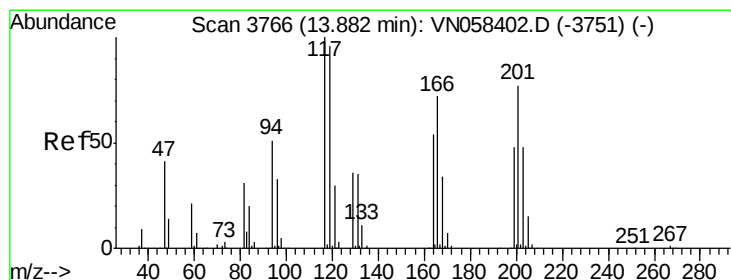
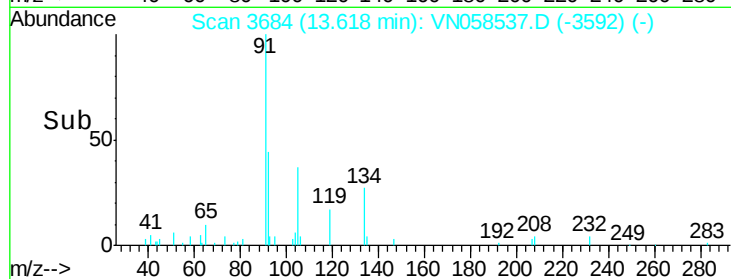
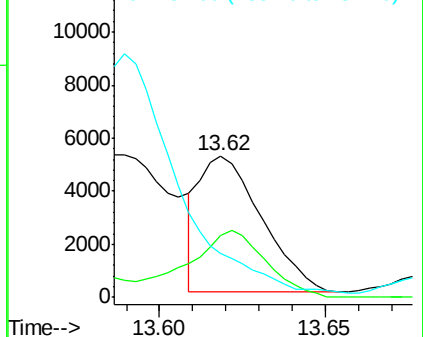
#89
n-Butylbenzene
Concen: 0.527 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058537.D
Acq: 4 Oct 2019 13:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 6695
Ion Ratio Lower Upper
91 100
92 61.5 25.7 77.1
134 0.0 12.2 36.6#

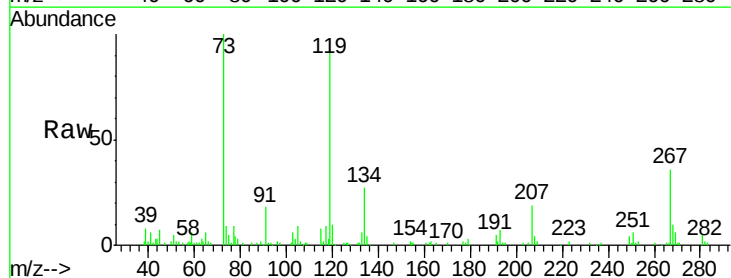


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): VN0

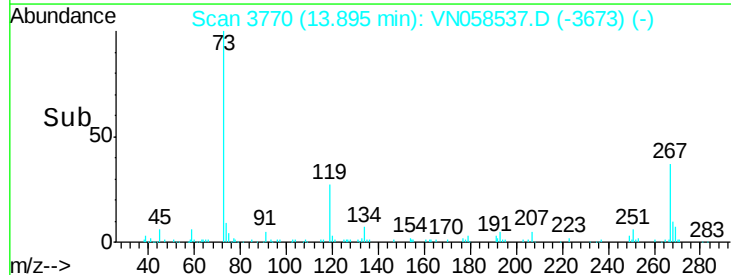
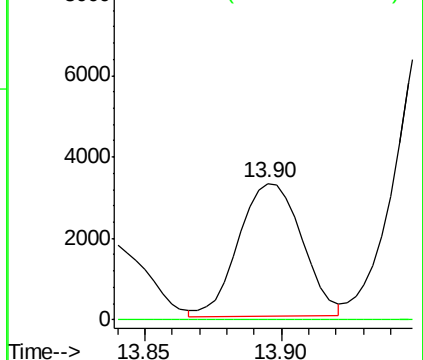


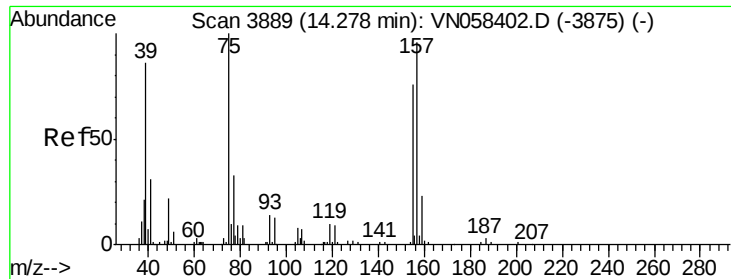
#90
Hexachloroethane
Concen: 2.483 ug/l
RT: 13.90 min Scan# 3770
Delta R.T. 0.01 min
Lab File: VN058537.D
Acq: 4 Oct 2019 13:59

Tgt Ion: 117 Resp: 5236
Ion Ratio Lower Upper
117 100
201 0.0 38.6 116.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.878 ug/l

RT: 14.26 min Scan# 3884

Delta R.T. -0.02 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampled :

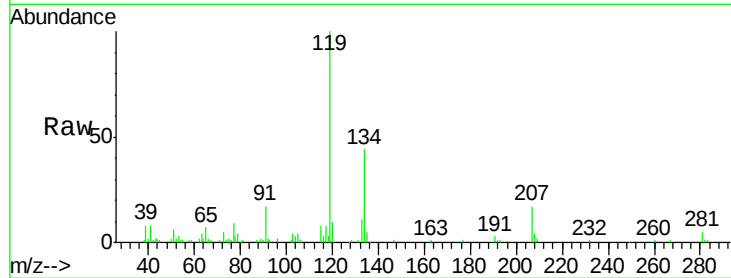
Tot Ion: 75 Resp: 785

Ion Ratio Lower Upper

75 100

155 0.0 39.2 117.6#

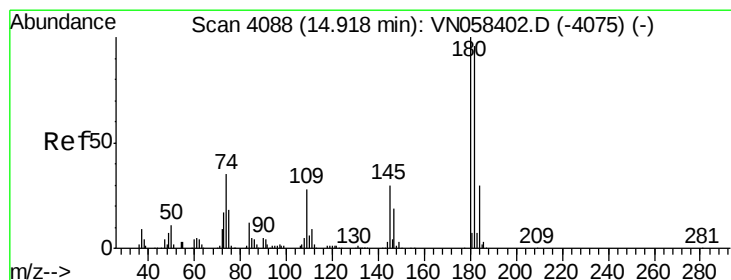
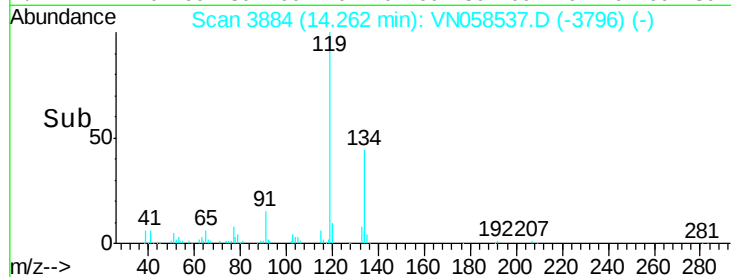
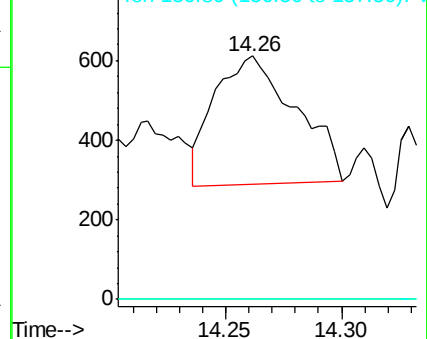
157 0.0 48.7 146.1#



Abundance Ion 74.90 (74.60 to 75.60): VN058402.D (-3875) (-)

Ion 154.80 (154.50 to 155.50): VN058402.D (-3875) (-)

Ion 156.80 (156.50 to 157.50): VN058402.D (-3875) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.704 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

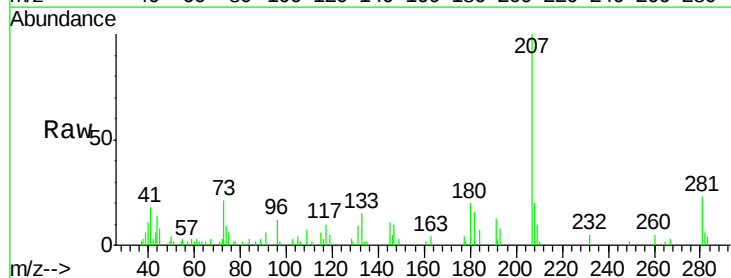
Tgt Ion: 180 Resp: 2725

Ion Ratio Lower Upper

180 100

182 92.9 47.4 142.3

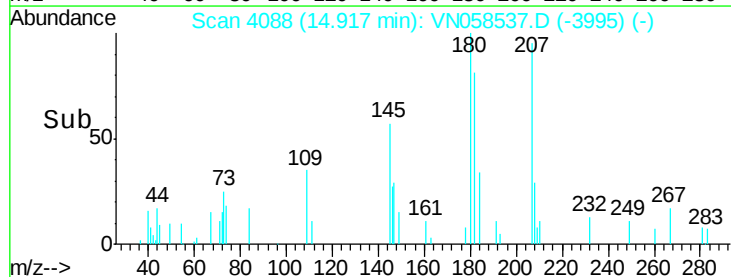
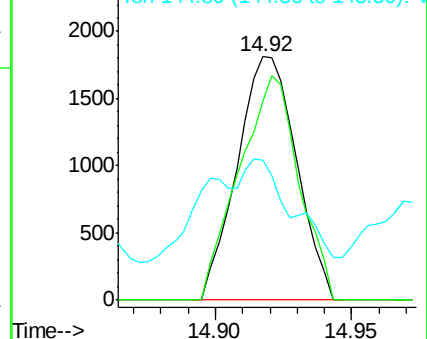
145 32.0 15.3 45.9

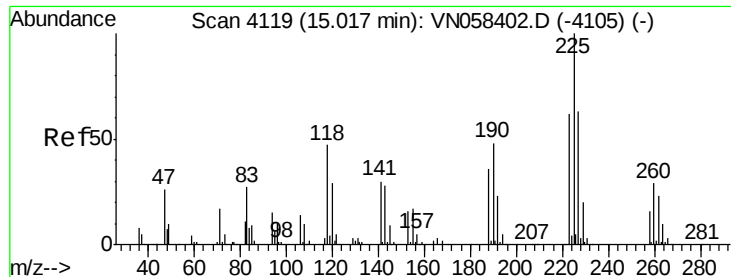


Abundance Ion 179.80 (179.50 to 180.50): VN058402.D (-4075) (-)

Ion 181.80 (181.50 to 182.50): VN058402.D (-4075) (-)

Ion 144.80 (144.50 to 145.50): VN058402.D (-4075) (-)





#94

Hexachlorobutadiene

Concen: 0.342 ug/l

RT: 15.02 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

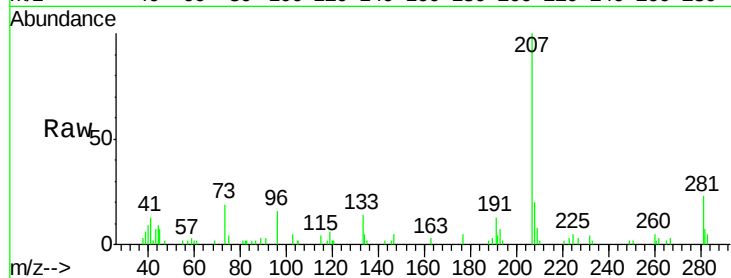
Tot Ion:225 Resp: 680

Ion Ratio Lower Upper

225 100

223 66.6 31.1 93.5

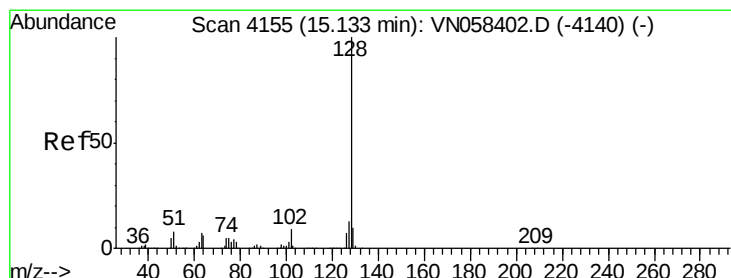
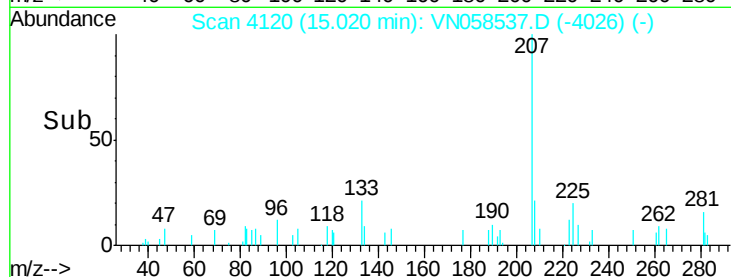
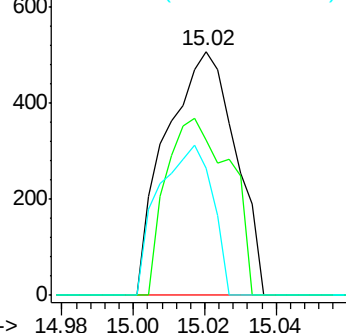
227 47.9 31.4 94.2



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: 20.005 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

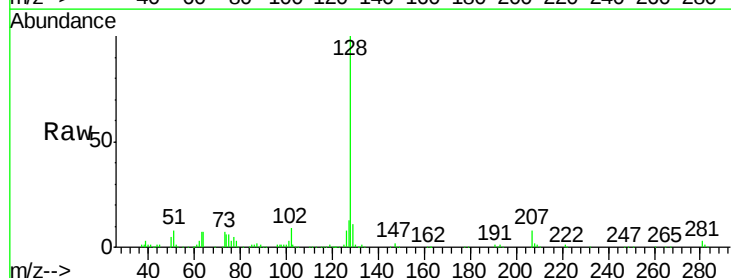
Tgt Ion:128 Resp: 227000

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

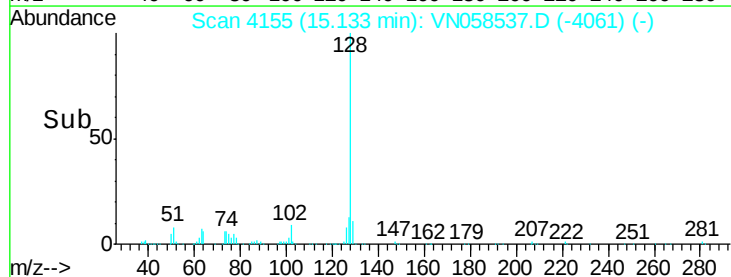
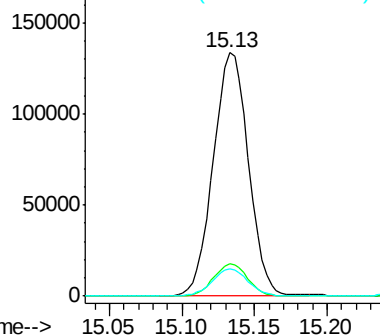
129 11.2 8.3 12.5

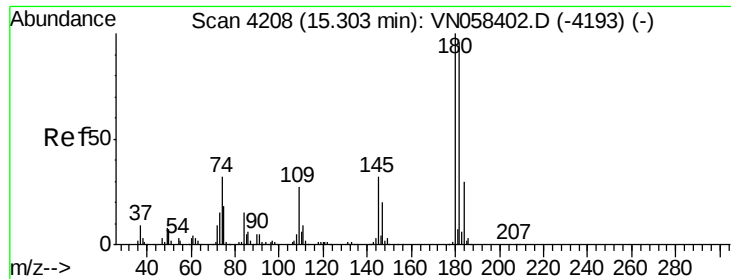


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.855 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.01 min
 Lab File: VN058537.D
 Acq: 4 Oct 2019 13:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 3415
 Ion Ratio Lower Upper
 180 100
 182 100.4 48.3 144.9
 145 102.9 16.1 48.3#

