

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110119\
 Data File : VN059057.D
 Acq On : 1 Nov 2019 12:37
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:48:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	437496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	675697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	217830	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	271350	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
35) Dibromofluoromethane	7.57	113	208646	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
50) Toluene-d8	10.08	98	812785	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.40	95	264538	43.36	ug/l	0.00
Spiked Amount			Recovery	=	86.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1612	0.251	ug/l	90
4) Vinyl Chloride	2.17	62	1362	0.219	ug/l	98
5) Bromomethane	2.56	94	2299	0.625	ug/l #	77
10) Methyl Iodide	3.93	142	1881	0.355	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	1135	0.262	ug/l #	76
13) Acrolein	3.59	56	1450	2.143	ug/l	99
15) Acrylonitrile	4.96	53	1067	0.397	ug/l #	64
16) Acetone	3.80	43	2268	0.773	ug/l	89
17) Carbon Disulfide	4.03	76	19021	1.380	ug/l	99
20) Methylene Chloride	4.52	84	1861	0.362	ug/l #	73
21) trans-1,2-Dichloroethene	5.01	96	2408	0.517	ug/l	87
23) Vinyl Acetate	5.88	43	4194	0.322	ug/l #	88
25) 2-Butanone	6.81	43	1211	0.310	ug/l #	50
29) Tetrahydrofuran	7.19	42	720	0.292	ug/l #	72
30) Chloroform	7.35	83	1805	0.202	ug/l	100
31) Cyclohexane	7.64	56	9667	1.083	ug/l #	1
36) 1,1-Dichloropropene	7.78	75	2101	0.313	ug/l #	76
38) Carbon Tetrachloride	7.65	117	40033	6.117	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	1705	0.246	ug/l #	75
44) Trichloroethene	8.82	130	1846	0.376	ug/l	97
46) Dibromomethane	9.20	93	921	0.276	ug/l #	72
49) 1,4-Dioxane	9.19	88	310	3.572	ug/l #	38
51) 4-Methyl-2-Pentanone	9.98	43	5103	0.753	ug/l	90
53) t-1,3-Dichloropropene	10.38	75	2759	0.354	ug/l #	71
56) Ethyl methacrylate	10.43	69	761	1.940	ug/l #	36
58) 2-Chloroethyl Vinyl ether	9.69	63	1092	11.754	ug/l #	51
59) 2-Hexanone	10.75	43	6189	1.202	ug/l	97
61) 1,2-Dibromoethane	11.00	107	1078	0.224	ug/l	83
64) Tetrachloroethene	10.63	164	1808	0.445	ug/l #	85
65) Chlorobenzene	11.43	112	4074	0.341	ug/l	93
67) Ethyl Benzene	11.51	91	4608	0.223	ug/l	96
68) m/p-Xylenes	11.62	106	3626	0.470	ug/l	89
70) Styrene	11.97	104	3790	0.318	ug/l	97
71) Bromoform	12.13	173	824	0.243	ug/l #	99

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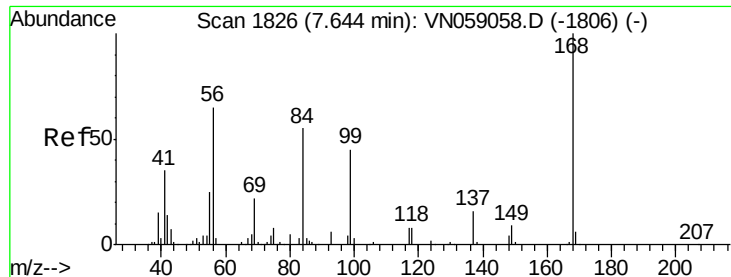
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:48:50 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Isopropylbenzene	12.25	105	3616	0.226	ug/l	90
74) N-amyl acetate	12.08	43	3564	0.500	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	2232	0.391	ug/l #	96
76) 1,2,3-Trichloropropane	12.56	75	4316	0.837	ug/l #	100
77) Bromobenzene	12.53	156	2496	0.623	ug/l	95
78) n-propylbenzene	12.59	91	7562	0.407	ug/l	97
79) 2-Chlorotoluene	12.68	91	4900	0.425	ug/l	97
80) 1,3,5-Trimethylbenzene	12.74	105	4417	0.324	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	132558	65.923	ug/l #	14
82) 4-Chlorotoluene	12.78	91	7493	0.637	ug/l	96
83) tert-Butylbenzene	13.00	119	3000	0.259	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	5025	0.380	ug/l	100
85) sec-Butylbenzene	13.17	105	5697	0.376	ug/l	96
86) p-Isopropyltoluene	13.29	119	6021	0.440	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	6154	0.864	ug/l	92
88) 1,4-Dichlorobenzene	13.29	146	6154	0.874	ug/l	92
89) n-Butylbenzene	13.62	91	9404	0.789	ug/l	98
90) Hexachloroethane	13.88	117	571	0.210	ug/l	72
91) 1,2-Dichlorobenzene	13.66	146	7362	1.039	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.28	75	2184	1.771	ug/l	67
93) 1,2,4-Trichlorobenzene	14.92	180	12415	3.249	ug/l	98
94) Hexachlorobutadiene	15.02	225	4799	2.093	ug/l	97
95) Naphthalene	15.13	128	56694	7.462	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	16481	4.238	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

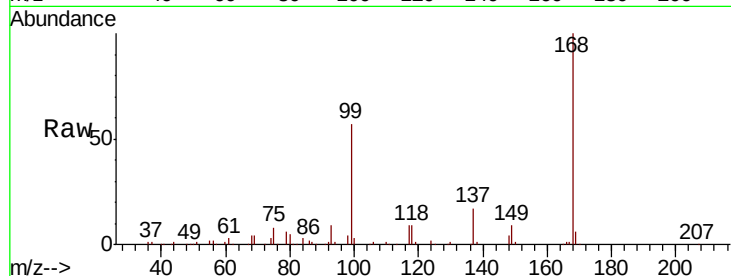
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 437496

Ion Ratio Lower Upper

168 100

99 56.9 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

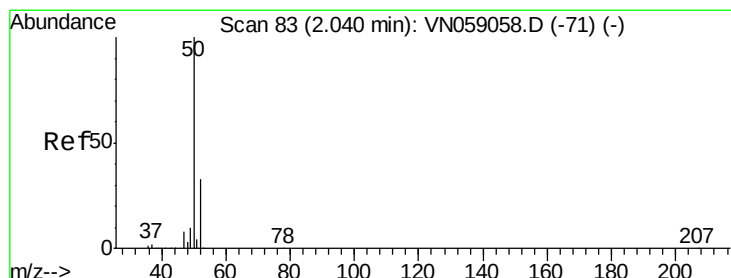
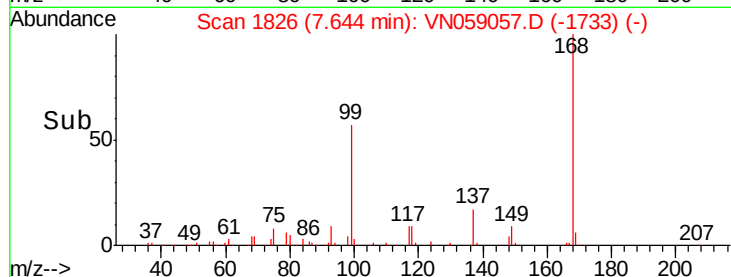
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.251 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059057.D

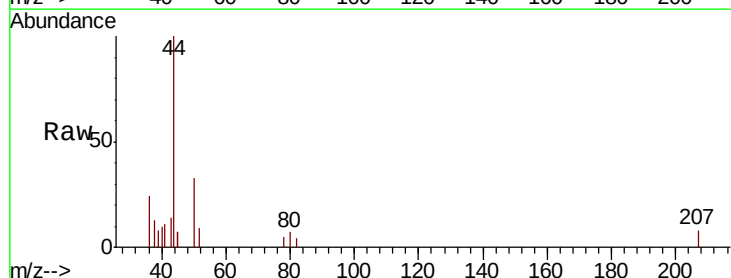
Acq: 1 Nov 2019 12:37

Tgt Ion: 50 Resp: 1612

Ion Ratio Lower Upper

50 100

52 27.0 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1200

1000

800

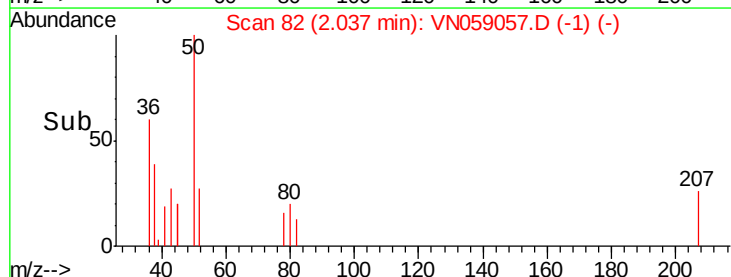
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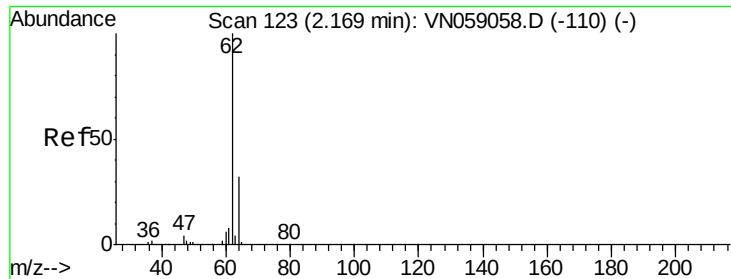
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.219 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Instrument :

MSVOA_N

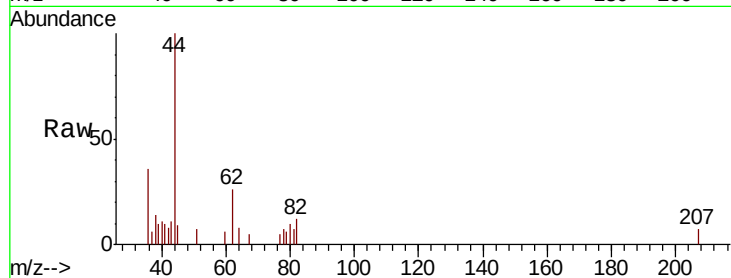
ClientSampled :

Tot Ion: 62 Resp: 1362

Ion Ratio Lower Upper

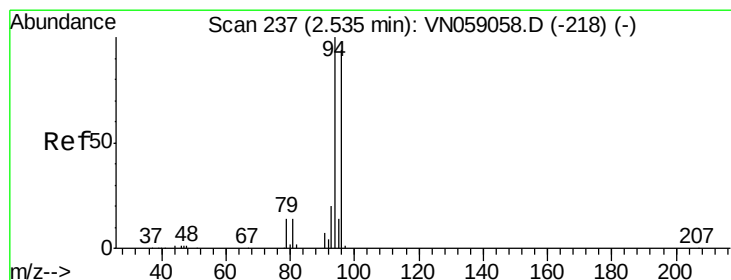
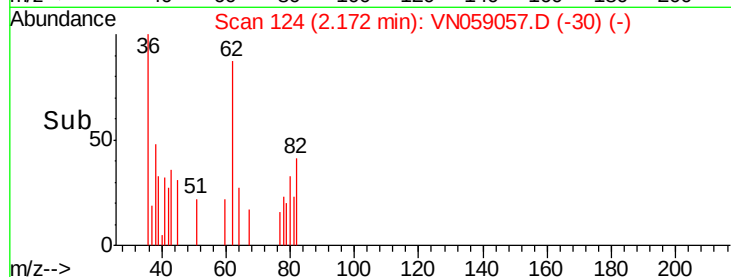
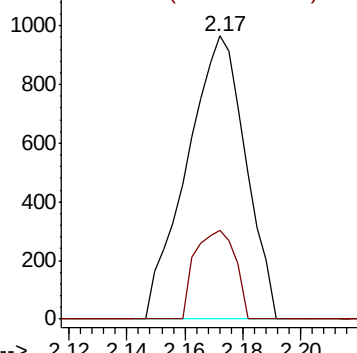
62 100

64 31.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#5

Bromomethane

Concen: 0.625 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.02 min

Lab File: VN059057.D

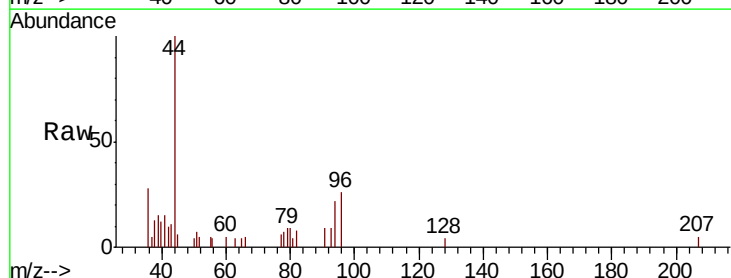
Acq: 1 Nov 2019 12:37

Tgt Ion: 94 Resp: 2299

Ion Ratio Lower Upper

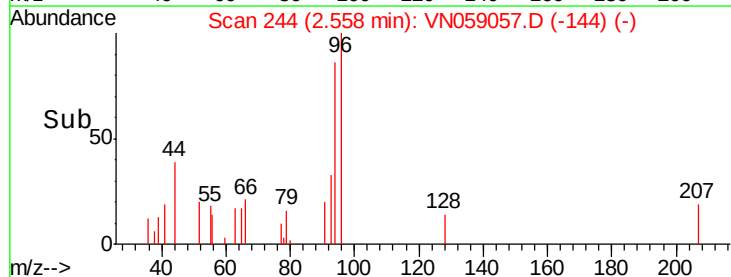
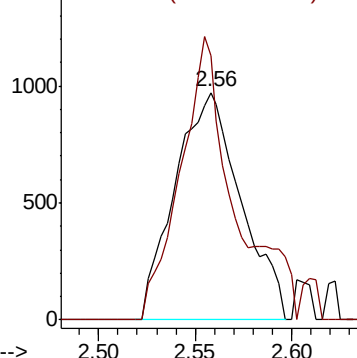
94 100

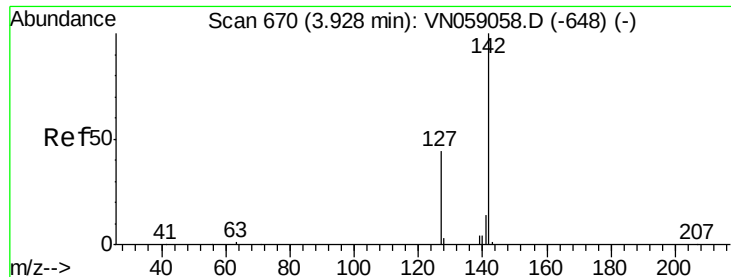
96 116.4 75.1 112.7#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

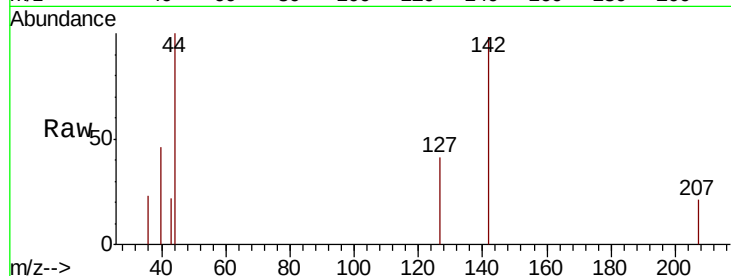




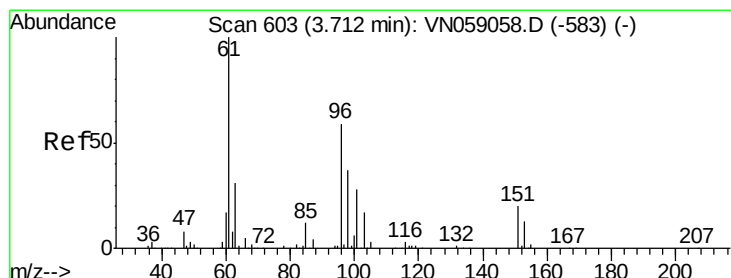
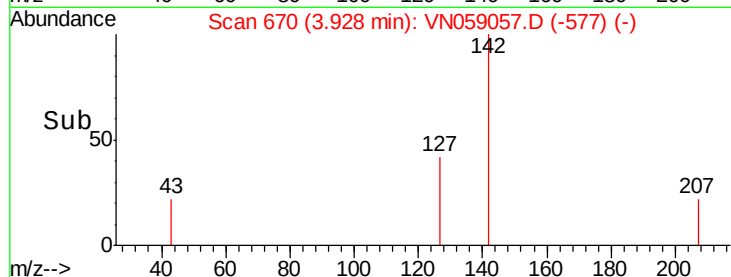
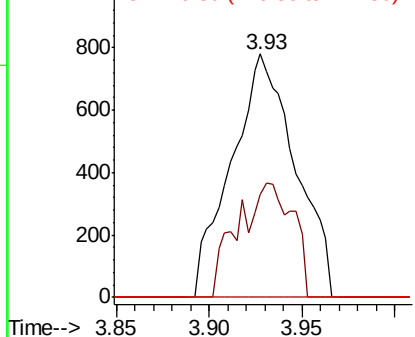
#10
Methyl Iodide
Concen: 0.355 ug/l
RT: 3.93 min Scan# 670
Delta R.T. 0.00 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:142 Resp: 1881
Ion Ratio Lower Upper
142 100
127 40.5 34.2 51.2
141 0.0 11.1 16.7#

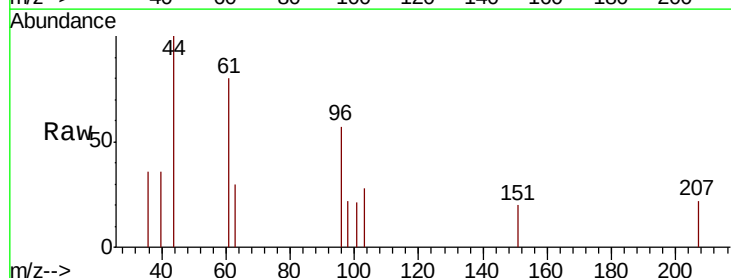


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

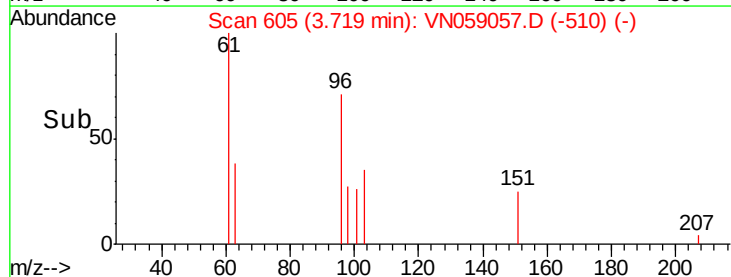
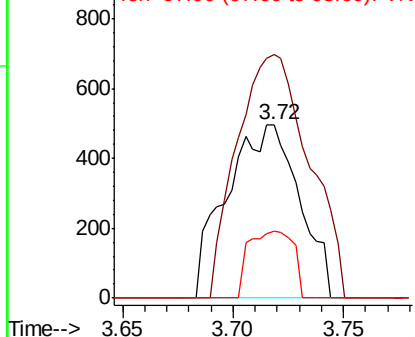


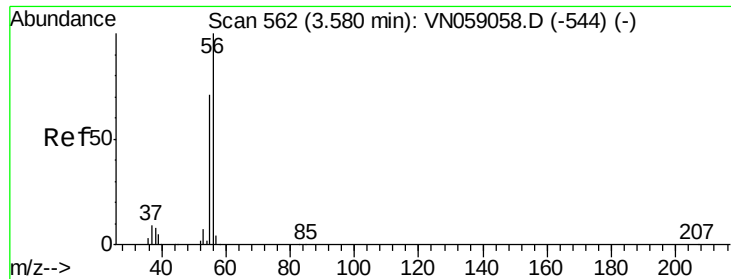
#12
1,1-Dichloroethene
Concen: 0.262 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

Tgt Ion: 96 Resp: 1135
Ion Ratio Lower Upper
96 100
61 140.2 135.3 202.9
98 38.2 49.4 74.2#



Abundance Ion 95.90 (95.60 to 96.60): V
Ion 60.90 (60.60 to 61.60): V
Ion 97.90 (97.60 to 98.60): V





#13

Acrolein

Concen: 2.143 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Instrument :

MSVOA_N

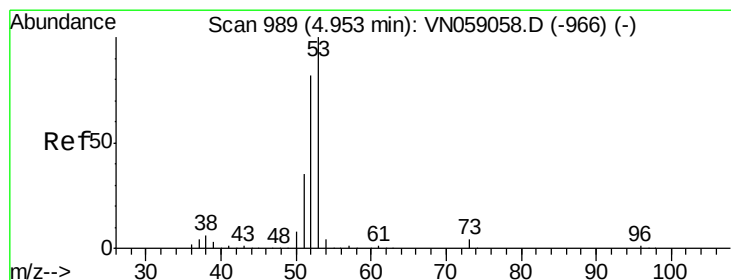
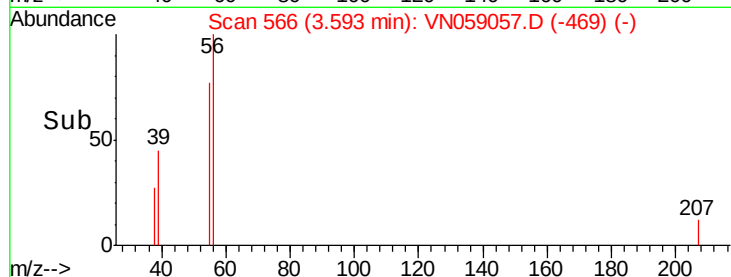
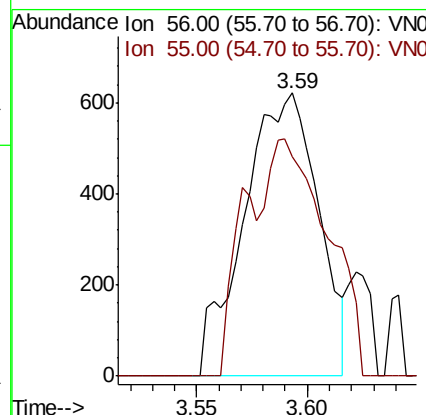
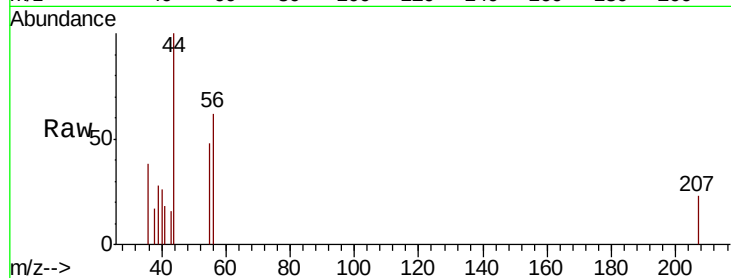
ClientSampled :

Tot Ion: 56 Resp: 1450

Ion Ratio Lower Upper

56 100

55 69.5 56.1 84.1



#15

Acrylonitrile

Concen: 0.397 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

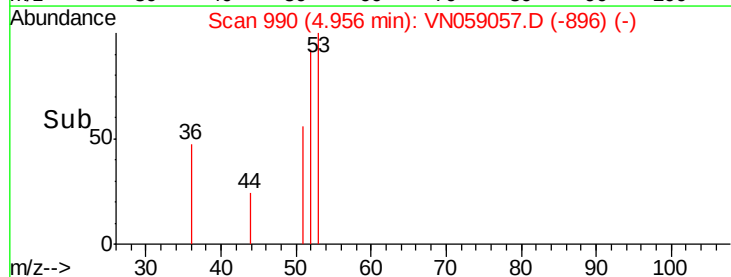
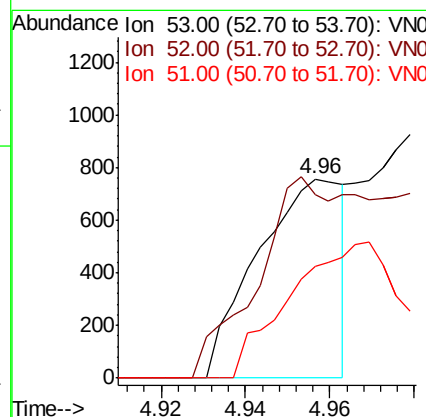
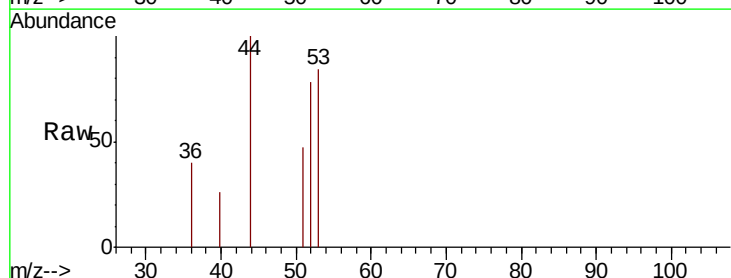
Tgt Ion: 53 Resp: 1067

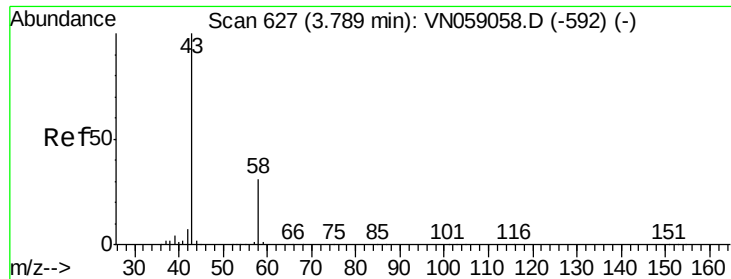
Ion Ratio Lower Upper

53 100

52 83.3 66.0 99.0

51 104.9 28.3 42.5#





#16

Acetone

Concen: 0.773 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Instrument :

MSVOA_N

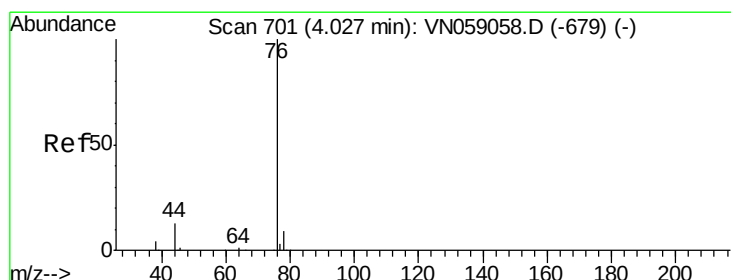
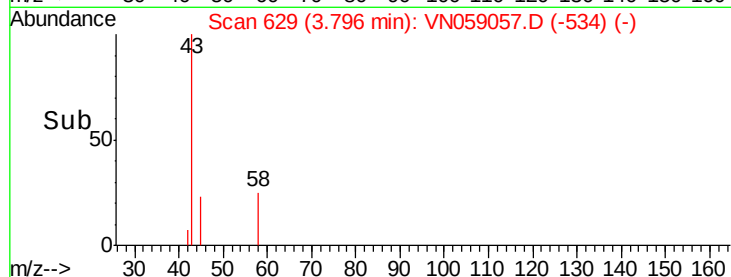
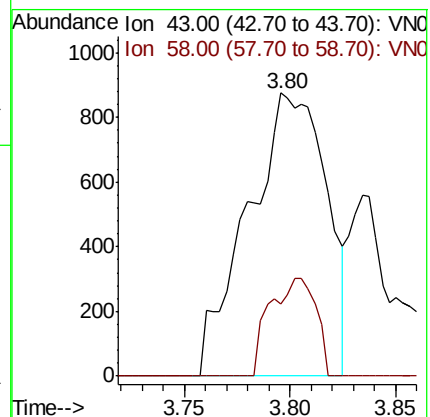
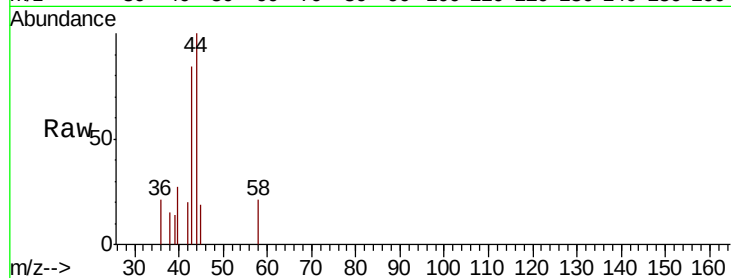
ClientSampled :

Tot Ion: 43 Resp: 2268

Ion Ratio Lower Upper

43 100

58 25.5 25.0 37.6



#17

Carbon Disulfide

Concen: 1.380 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059057.D

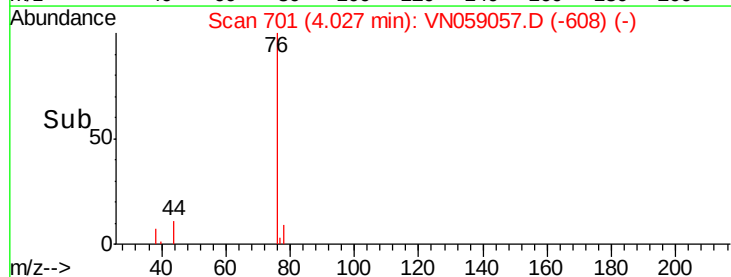
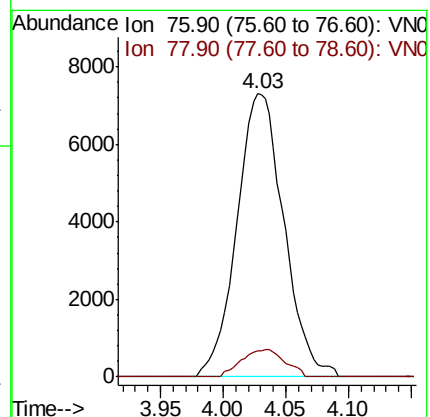
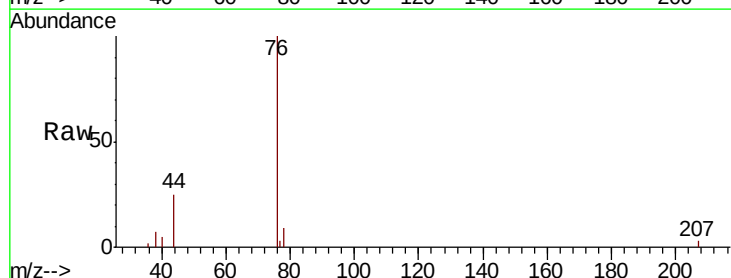
Acq: 1 Nov 2019 12:37

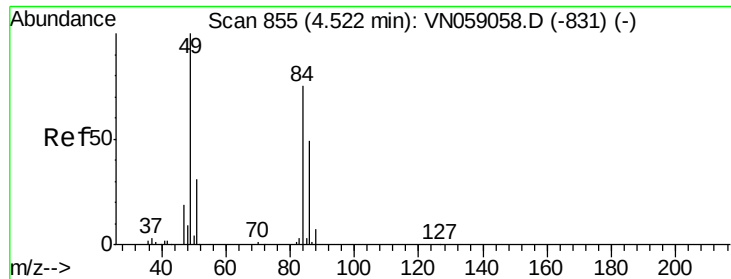
Tgt Ion: 76 Resp: 19021

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

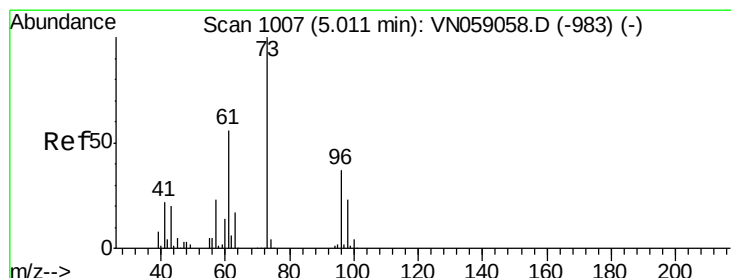
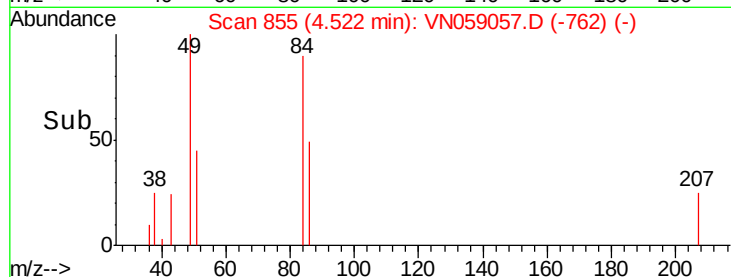
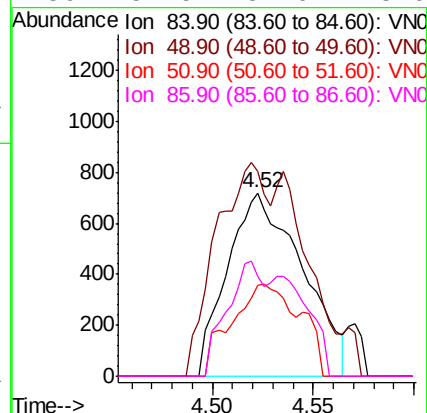
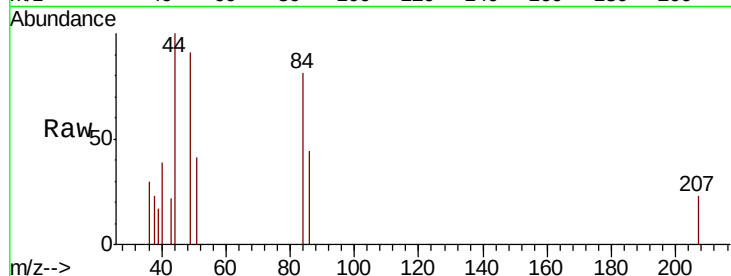




#20
Methylene Chloride
Concen: 0.362 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

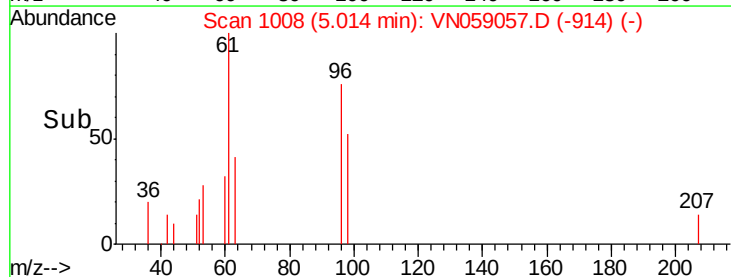
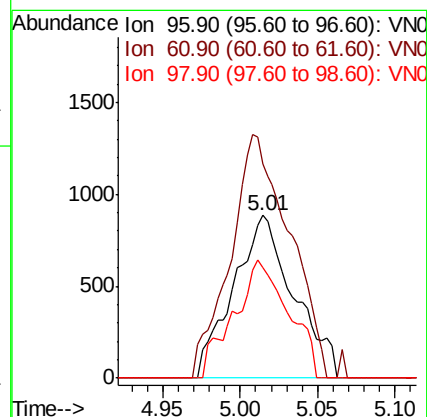
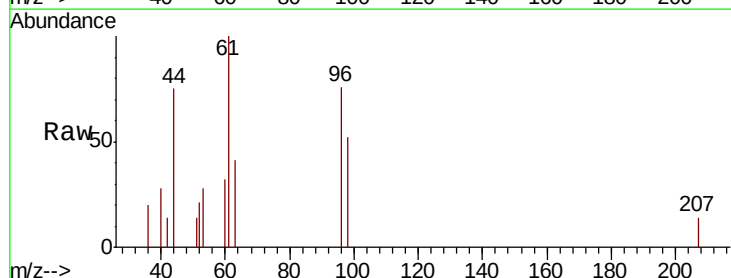
Instrument :
MSVOA_N
ClientSampled :

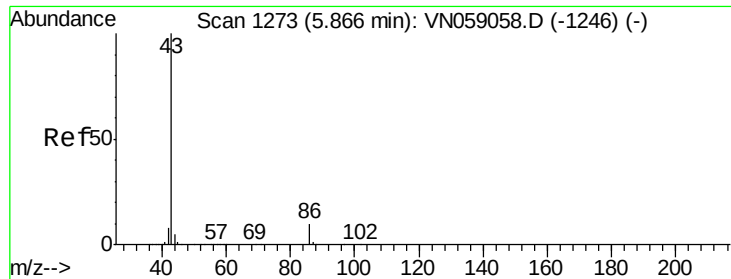
Tot Ion: 84 Resp: 1861
Ion Ratio Lower Upper
84 100
49 89.4 106.4 159.6#
51 49.9 33.0 49.4#
86 54.5 52.0 78.0



#21
trans-1,2-Dichloroethene
Concen: 0.517 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

Tgt Ion: 96 Resp: 2408
Ion Ratio Lower Upper
96 100
61 131.6 121.7 182.5
98 67.8 50.6 76.0





#23

Vinyl Acetate

Concen: 0.322 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.02 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Instrument :

MSVOA_N

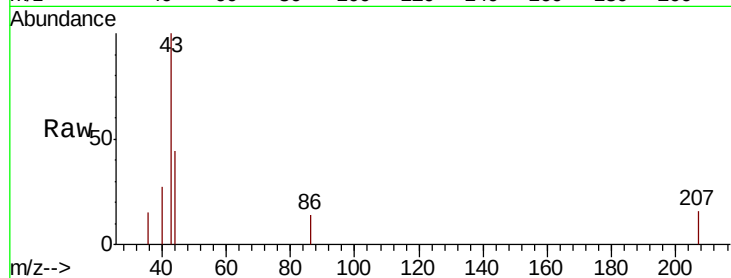
ClientSampleId :

Tot Ion: 43 Resp: 4194

Ion Ratio Lower Upper

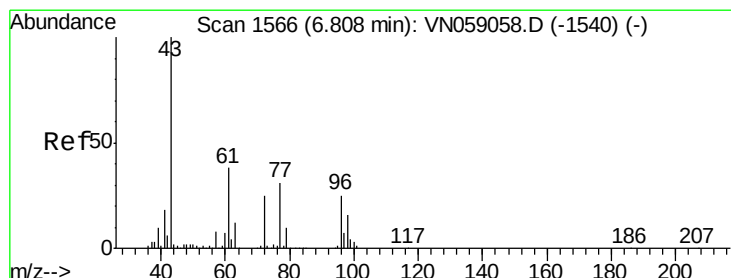
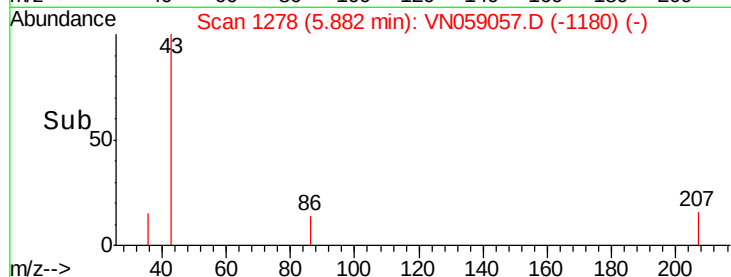
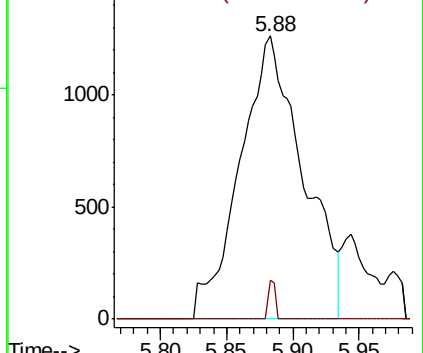
43 100

86 13.9 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#25

2-Butanone

Concen: 0.310 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059057.D

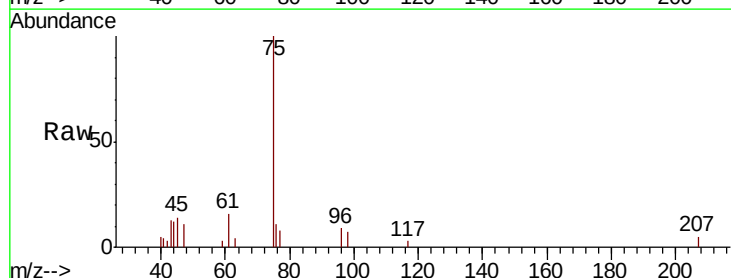
Acq: 1 Nov 2019 12:37

Tgt Ion: 43 Resp: 1211

Ion Ratio Lower Upper

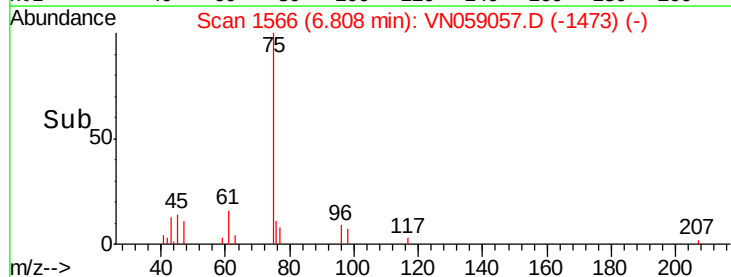
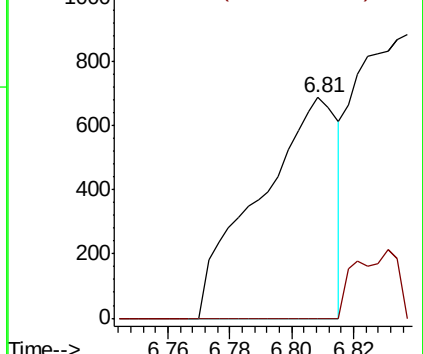
43 100

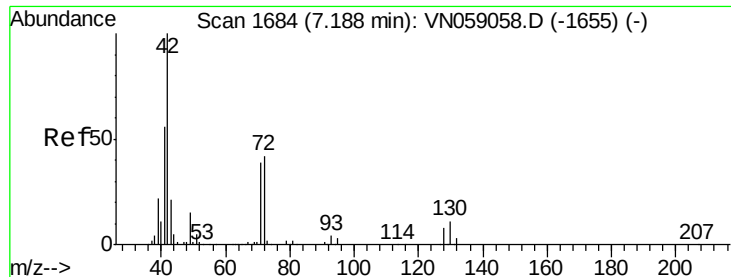
72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

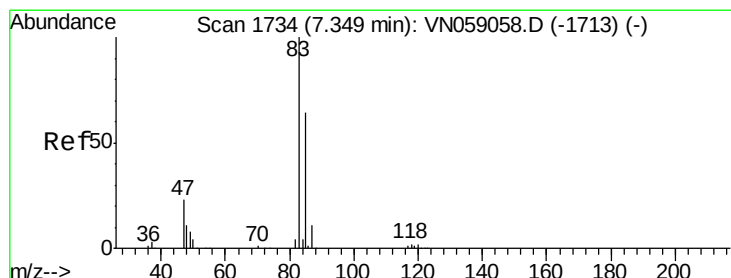
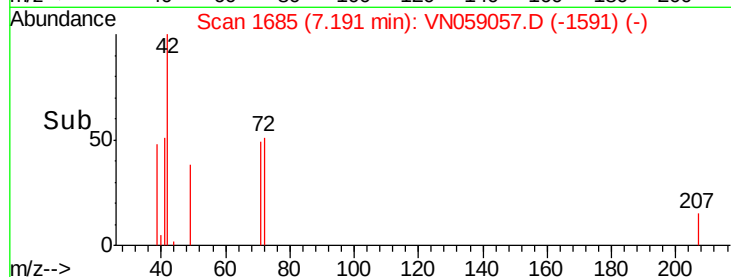
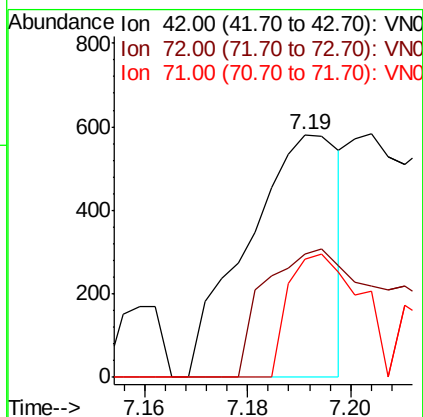
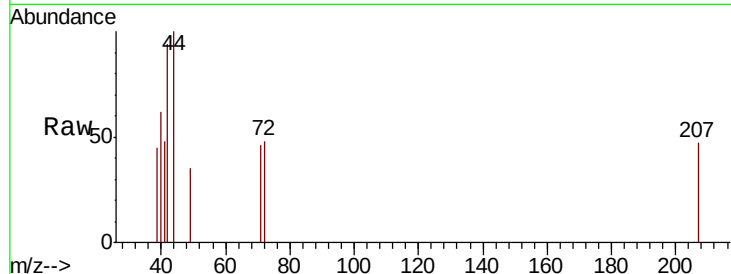




#29
Tetrahydrofuran
Concen: 0.292 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

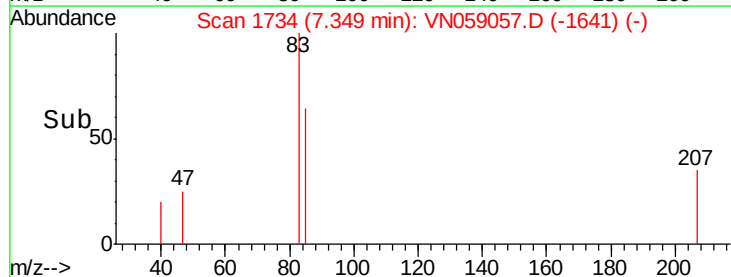
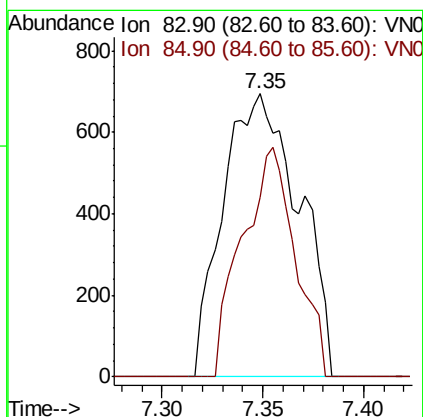
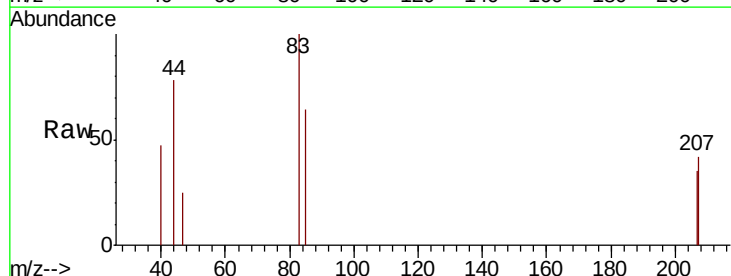
Instrument :
MSVOA_N
ClientSampleId :

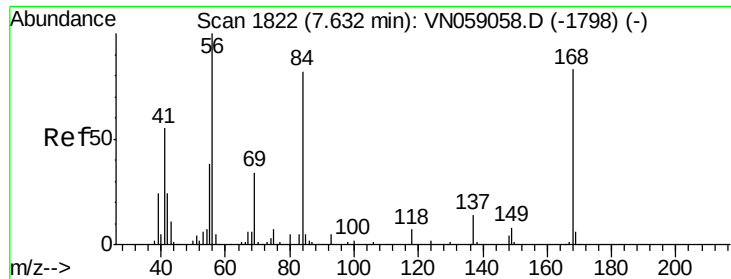
Tot Ion: 42 Resp: 720
Ion Ratio Lower Upper
42 100
72 75.4 32.7 49.1#
71 39.0 31.2 46.8



#30
Chloroform
Concen: 0.202 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

Tgt Ion: 83 Resp: 1805
Ion Ratio Lower Upper
83 100
85 63.7 50.9 76.3

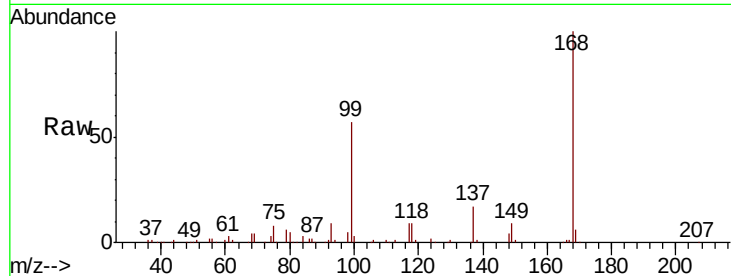




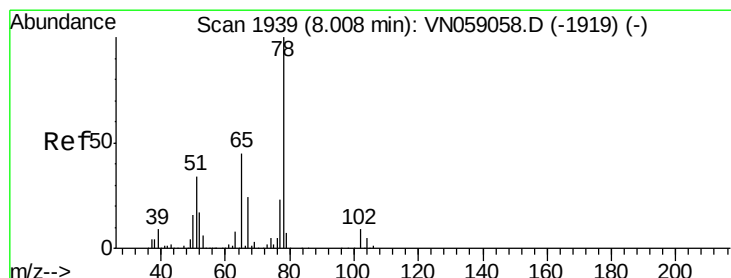
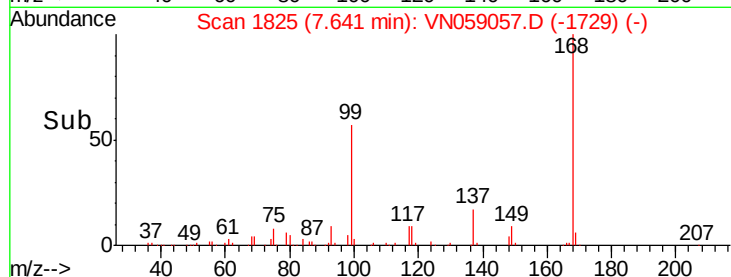
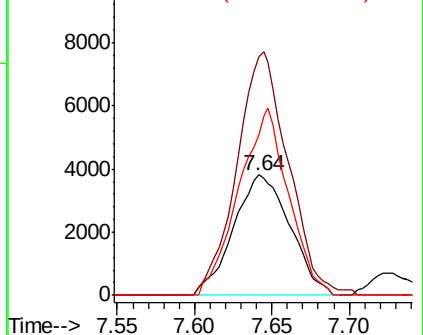
#31
Cyclohexane
Concen: 1.083 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 9667
Ion Ratio Lower Upper
56 100
69 198.4 27.2 40.8#
84 133.8 65.2 97.8#

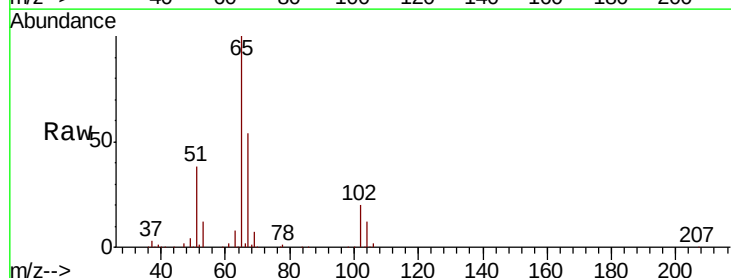


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

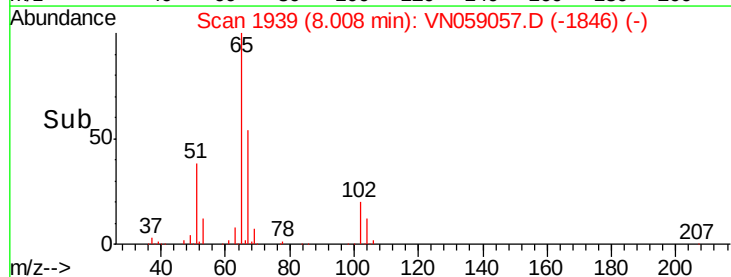
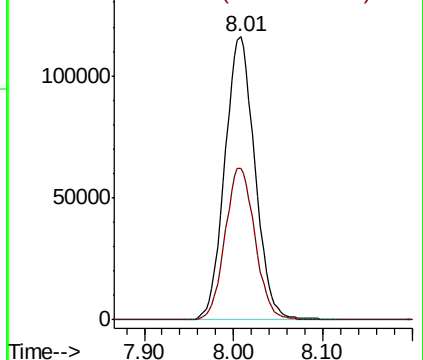


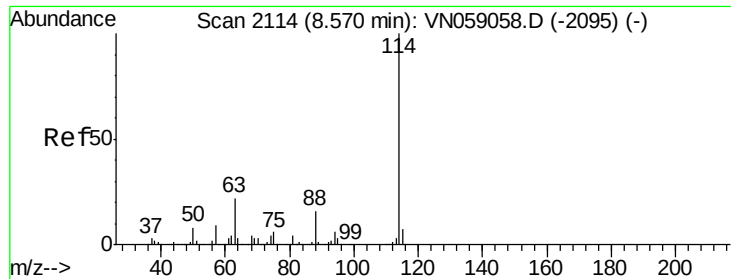
#33
1,2-Dichloroethane-d4
Concen: 46.832 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

Tgt Ion: 65 Resp: 271350
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

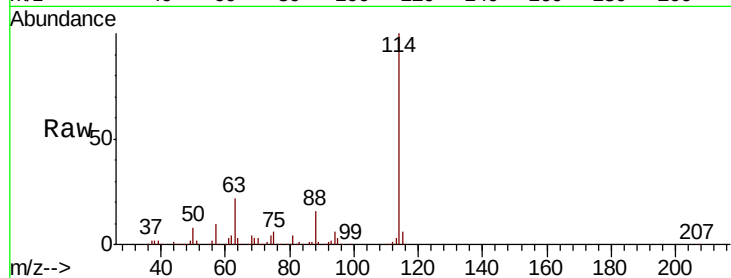




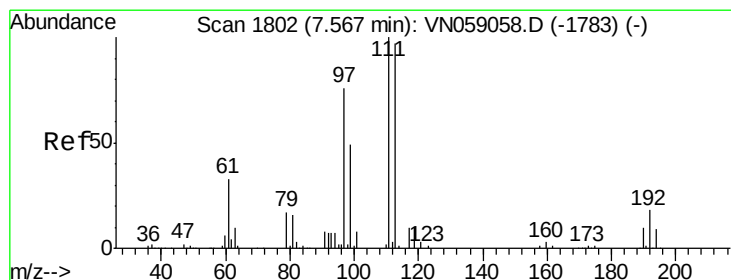
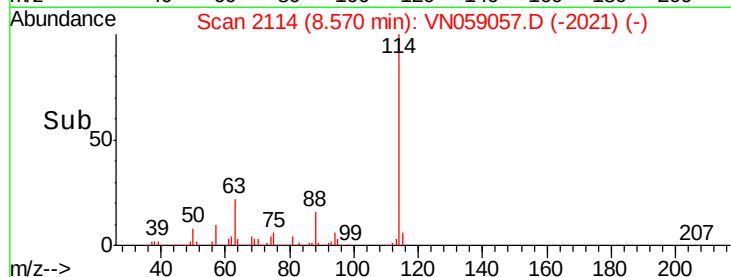
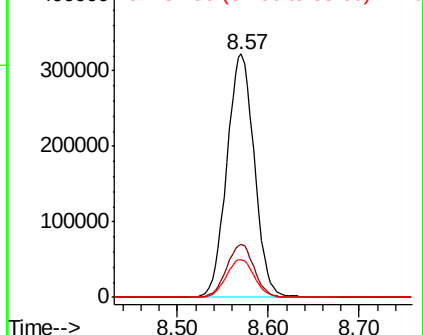
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.2
88	15.6	0.0	33.0

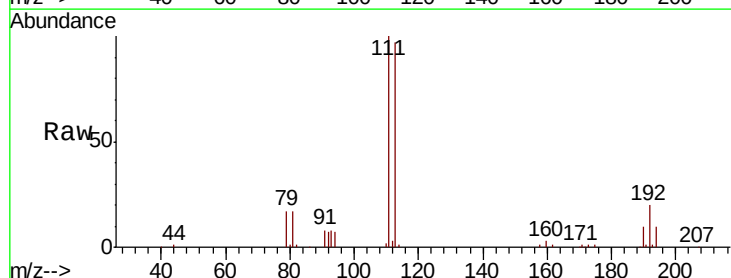


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

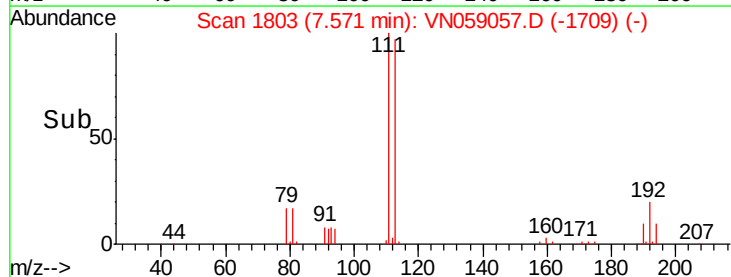
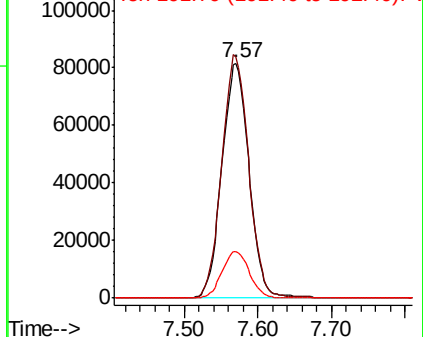


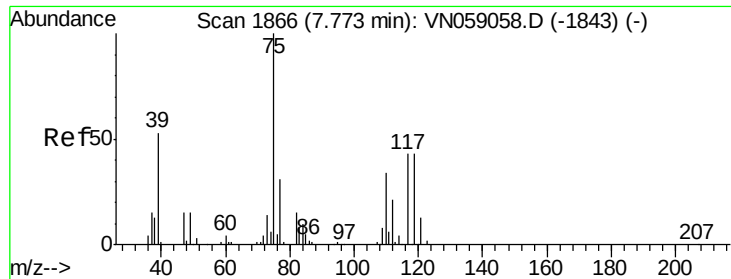
#35
Dibromofluoromethane
Concen: 47.865 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	20.1	15.9	23.9



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

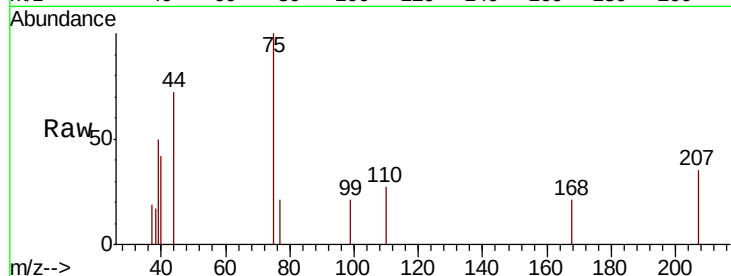




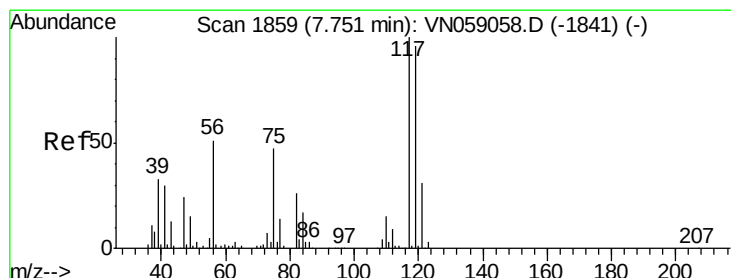
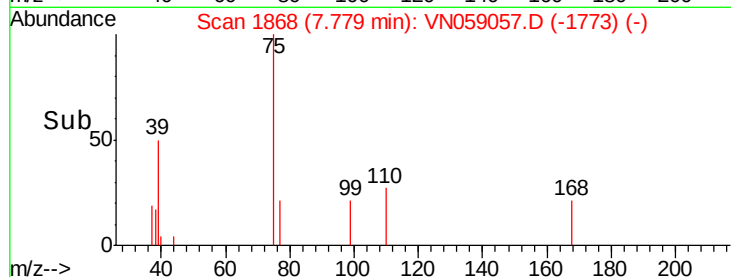
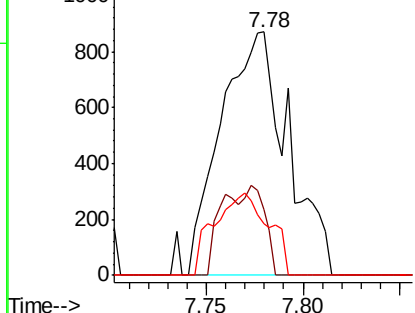
#36
 1,1-Dichloropropene
 Concen: 0.313 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.01 min
 Lab File: VN059057.D
 Acq: 1 Nov 2019 12:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	11.6	16.9	50.6#
77	27.2	25.0	37.4

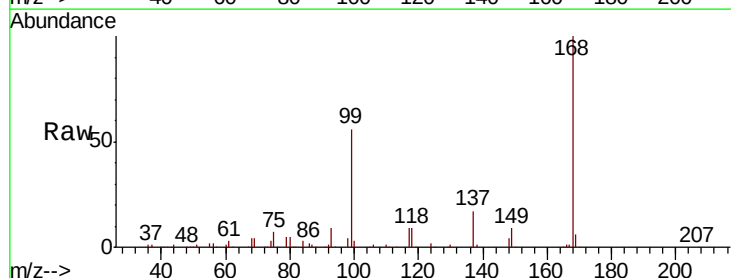


Abundance Ion 74.90 (74.60 to 75.60): VN059058.D (-1843) (-)
 Ion 109.90 (109.60 to 110.60): VN059058.D (-1843) (-)
 Ion 76.90 (76.60 to 77.60): VN059058.D (-1843) (-)

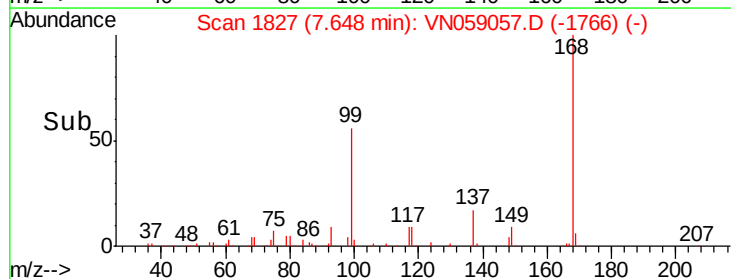
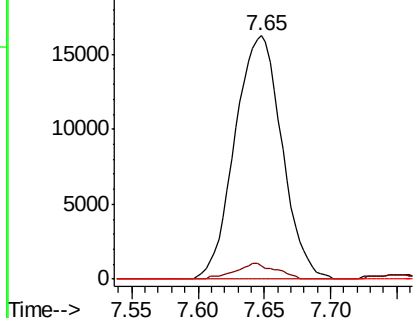


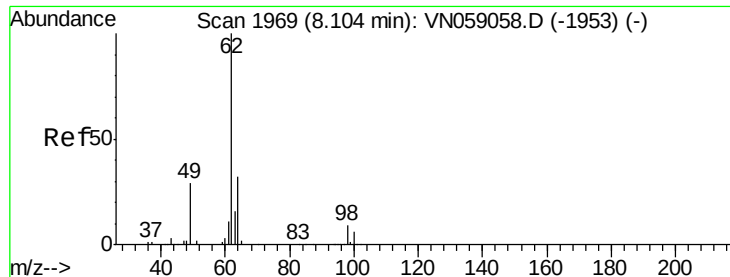
#38
 Carbon Tetrachloride
 Concen: 6.117 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.10 min
 Lab File: VN059057.D
 Acq: 1 Nov 2019 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.6	114.8#
121	0.0	24.6	37.0#



Abundance Ion 116.80 (116.50 to 117.50): VN059058.D (-1841) (-)
 Ion 118.80 (118.50 to 119.50): VN059058.D (-1841) (-)
 Ion 120.80 (120.50 to 121.50): VN059058.D (-1841) (-)

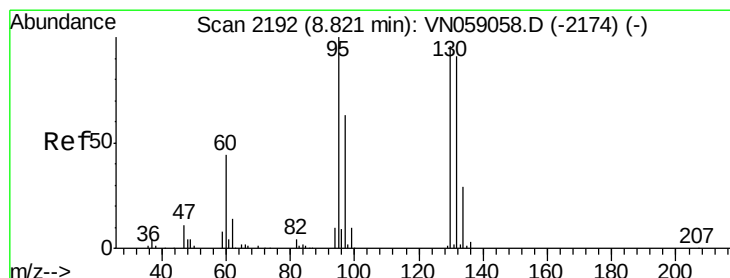
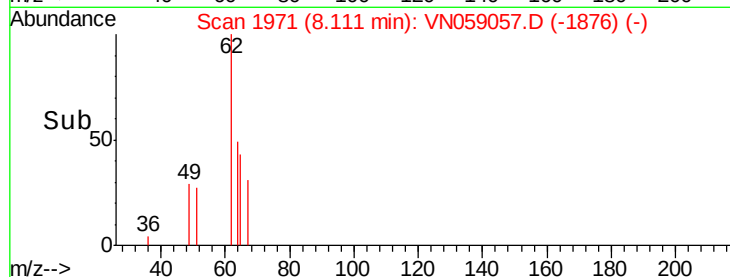
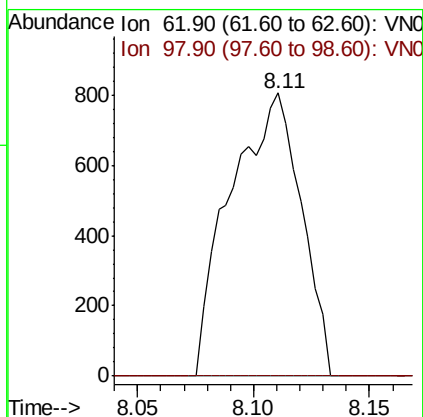
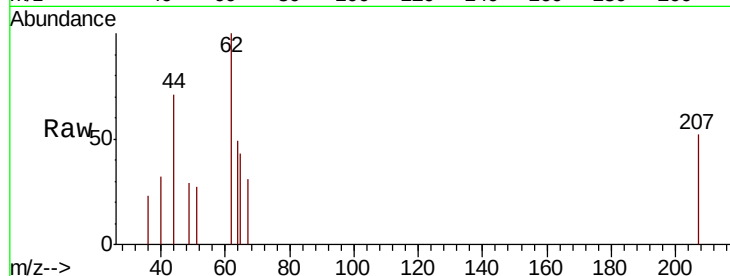




#42
 1,2-Dichloroethane
 Concen: 0.246 ug/l
 RT: 8.11 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VN059057.D
 Acq: 1 Nov 2019 12:37

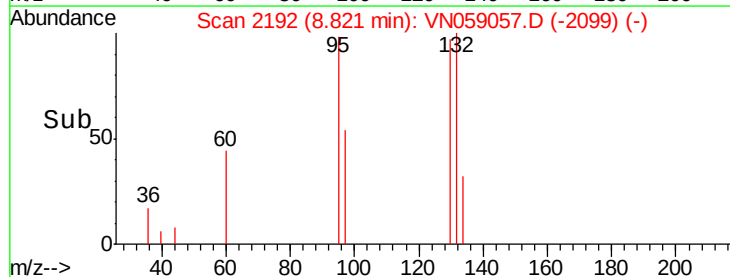
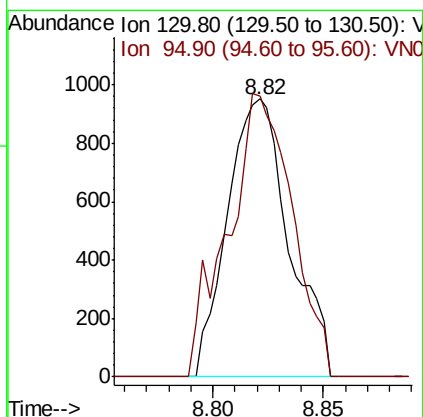
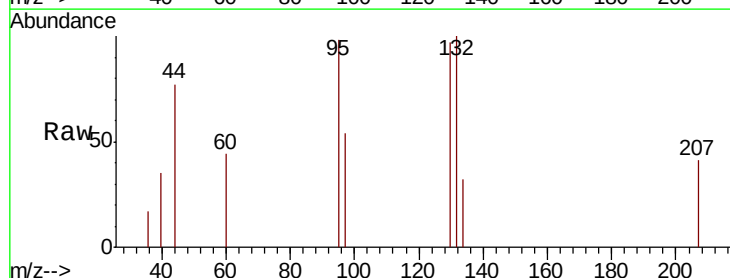
Instrument :
 MSVOA_N
 ClientSampled :

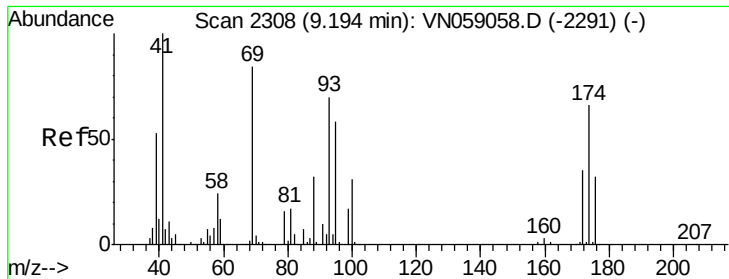
Tot Ion: 62 Resp: 1705
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 18.0



#44
 Trichloroethene
 Concen: 0.376 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VN059057.D
 Acq: 1 Nov 2019 12:37

Tgt Ion:130 Resp: 1846
 Ion Ratio Lower Upper
 130 100
 95 101.2 0.0 207.6





#46

Dibromomethane

Concen: 0.276 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.01 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Instrument :
MSVOA_N
ClientSampled :

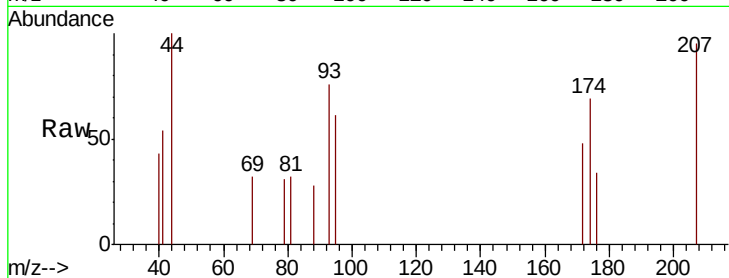
Tot Ion: 93 Resp: 921

Ion Ratio Lower Upper

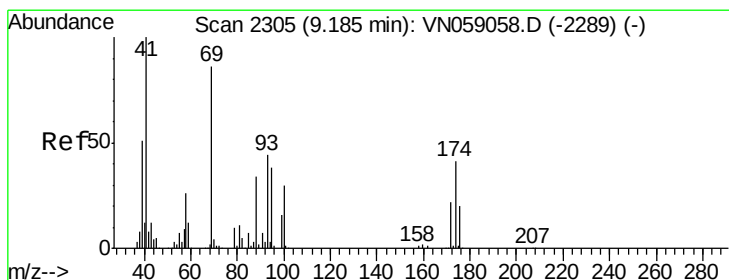
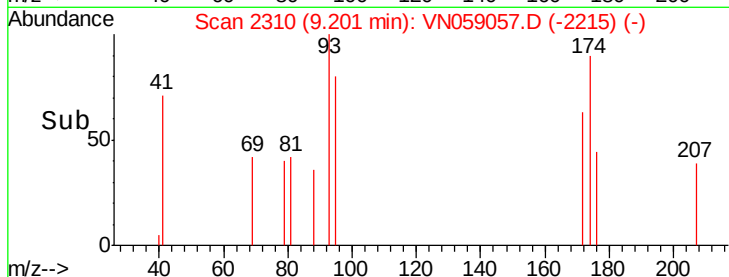
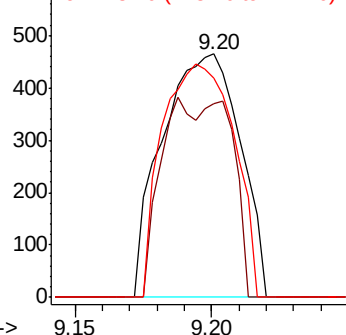
93 100

95 39.0 67.2 100.8#

174 88.5 78.3 117.5



Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V



#49

1,4-Dioxane

Concen: 3.572 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.01 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

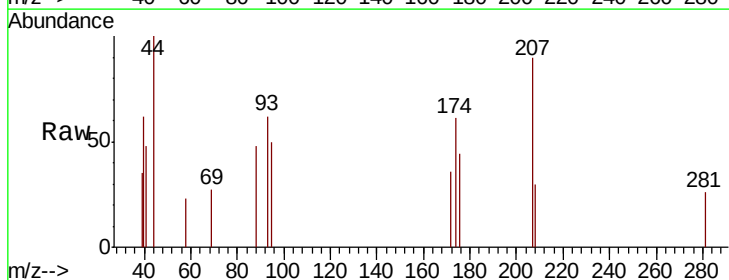
Tgt Ion: 88 Resp: 310

Ion Ratio Lower Upper

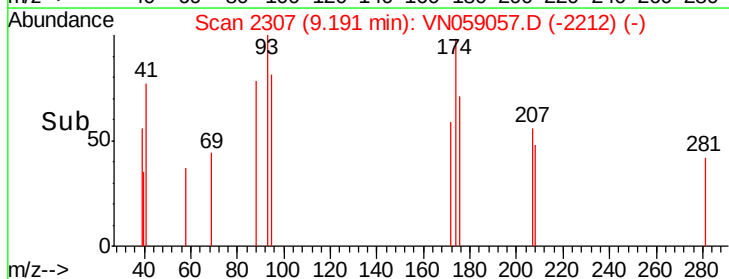
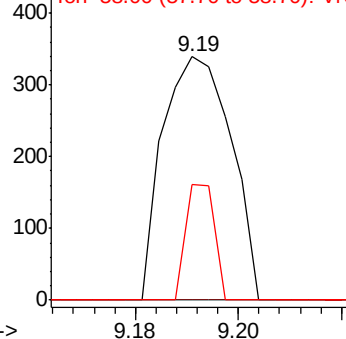
88 100

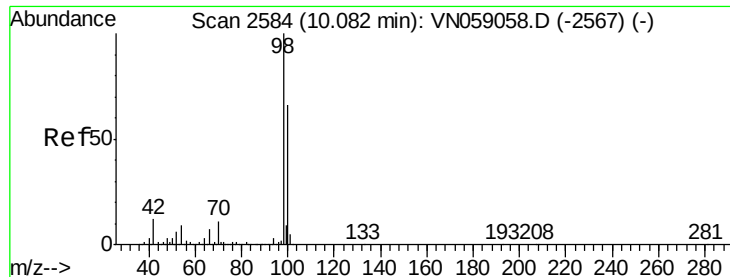
43 0.0 26.2 39.2#

58 20.0 59.1 88.7#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

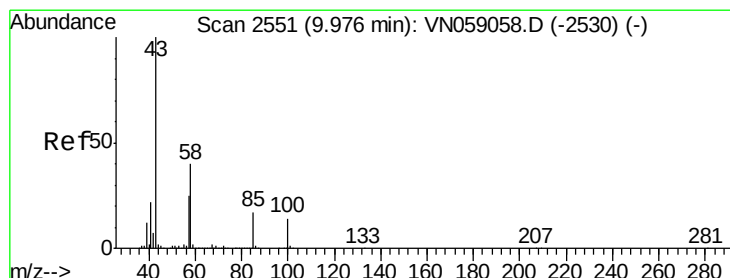
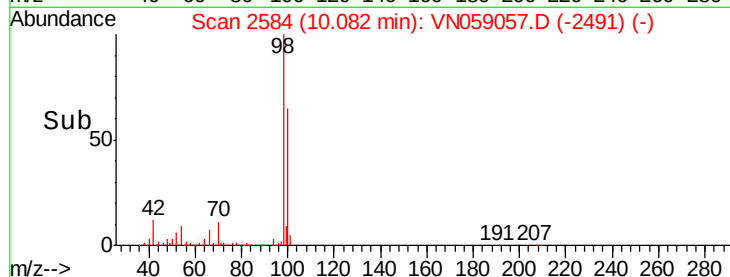
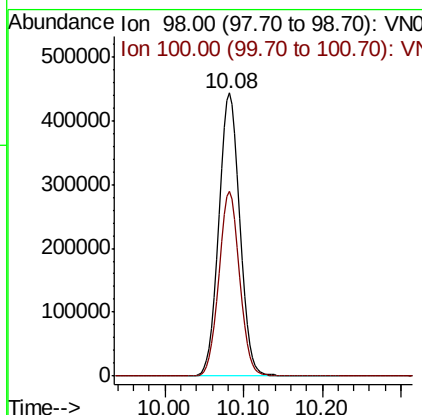
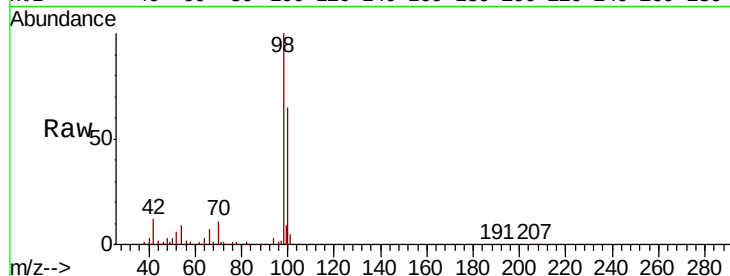




#50
Toluene-d8
Concen: 47.892 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

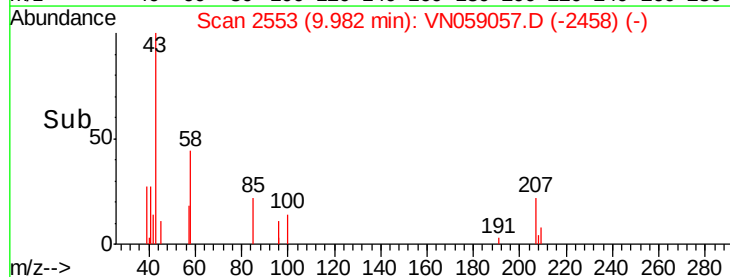
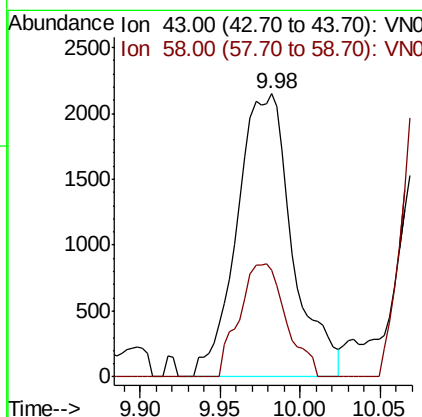
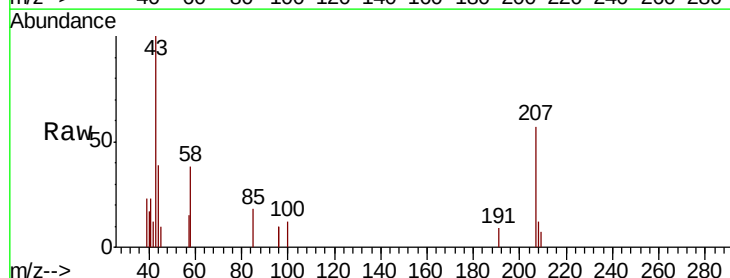
Instrument :
MSVOA_N
ClientSampled :

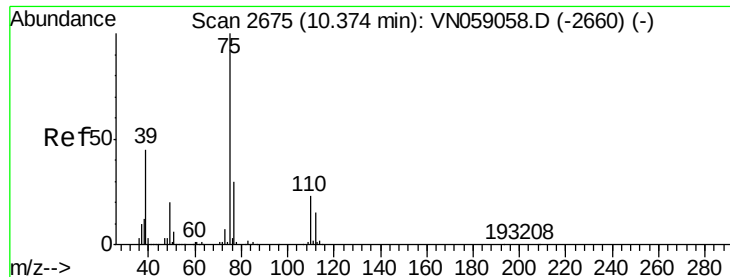
Tot Ion: 98 Resp: 812785
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.753 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.01 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

Tgt Ion: 43 Resp: 5103
Ion Ratio Lower Upper
43 100
58 33.4 31.8 47.6





#53

t-1,3-Dichloropropene

Concen: 0.354 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.01 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Instrument :

MSVOA_N

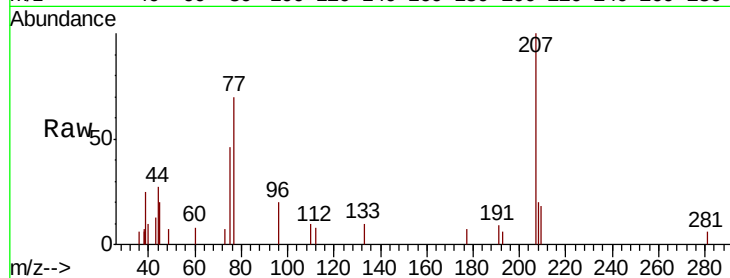
ClientSampleId :

Tot Ion: 75 Resp: 2759

Ion Ratio Lower Upper

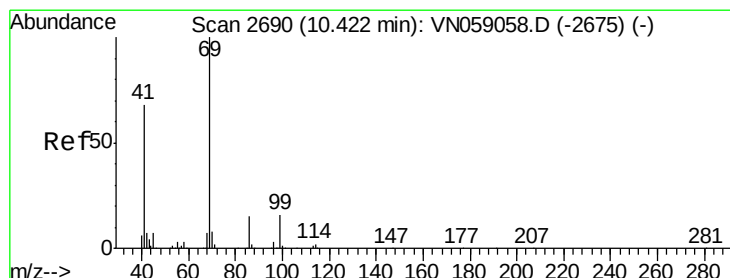
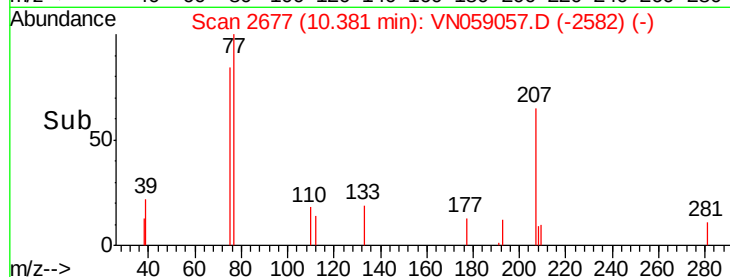
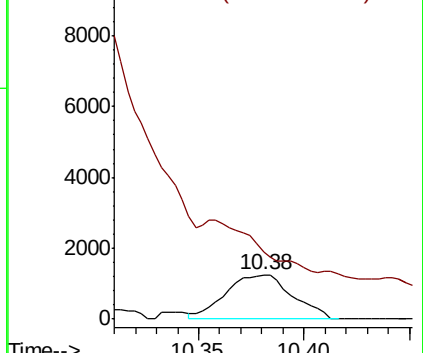
75 100

77 48.4 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#56

Ethyl methacrylate

Concen: 1.940 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

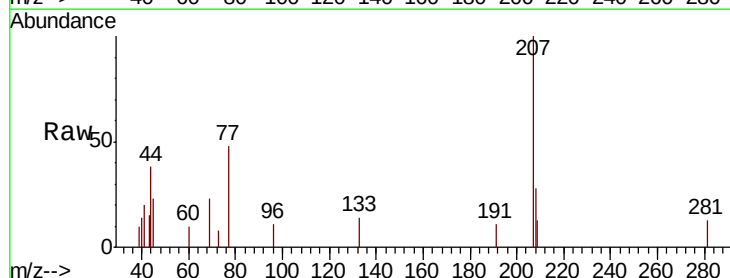
Tgt Ion: 69 Resp: 761

Ion Ratio Lower Upper

69 100

41 128.1 53.8 80.8#

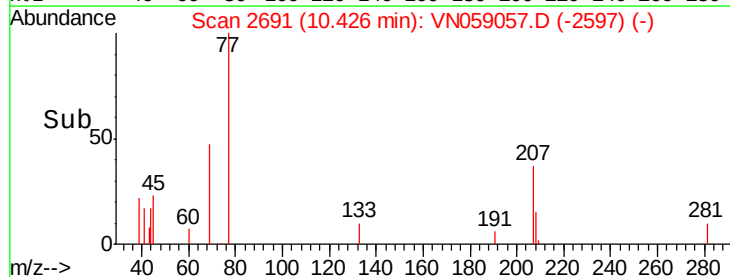
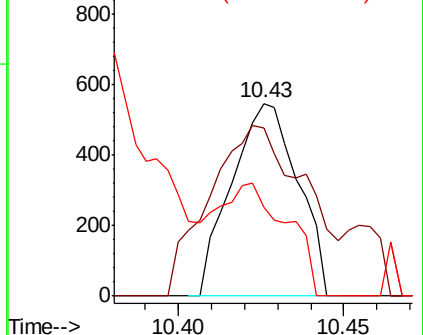
39 56.0 26.2 39.2#

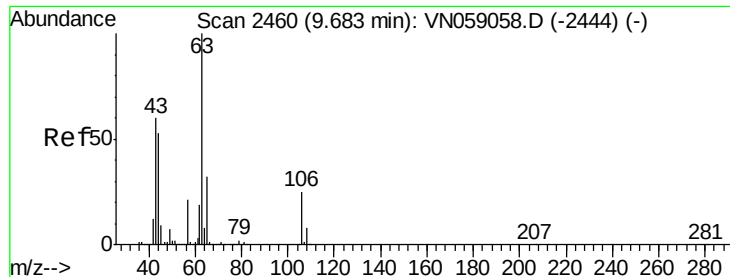


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 11.754 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.01 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Instrument :

MSVOA_N

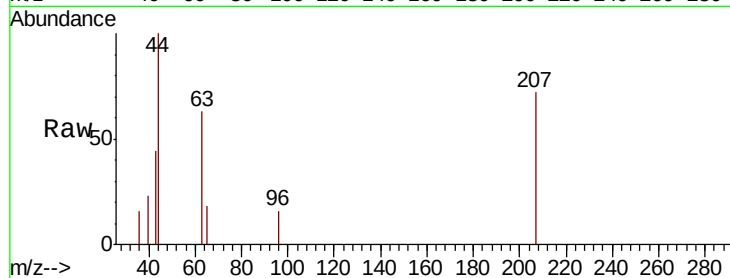
ClientSampleId :

Tot Ion: 63 Resp: 1092

Ion Ratio Lower Upper

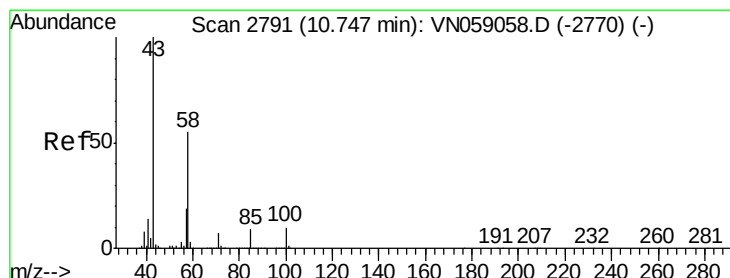
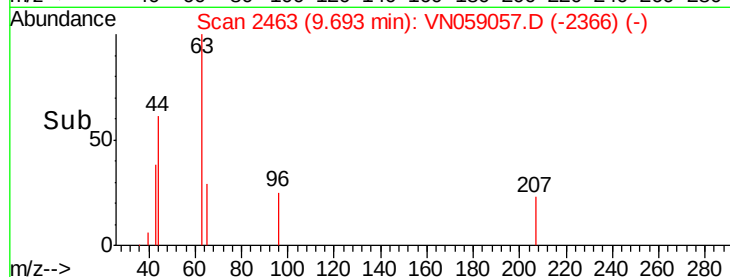
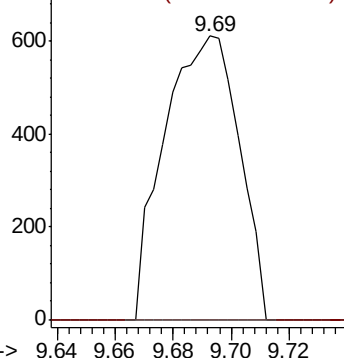
63 100

106 0.0 19.8 29.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 1.202 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN059057.D

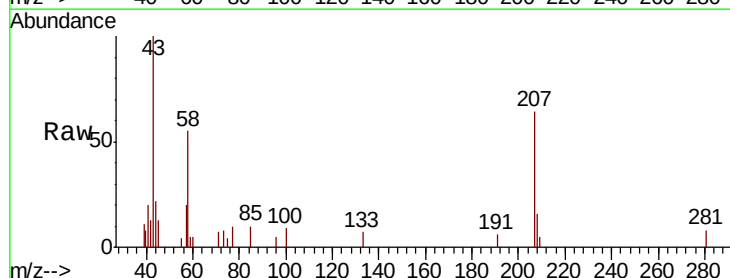
Acq: 1 Nov 2019 12:37

Tgt Ion: 43 Resp: 6189

Ion Ratio Lower Upper

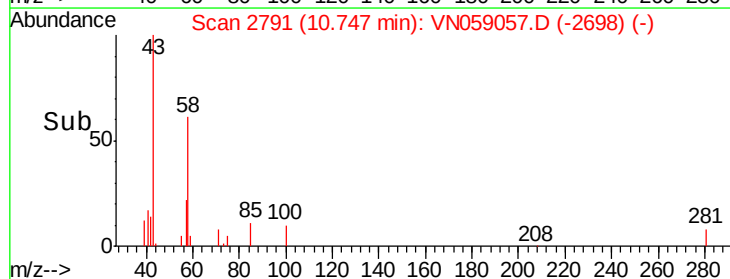
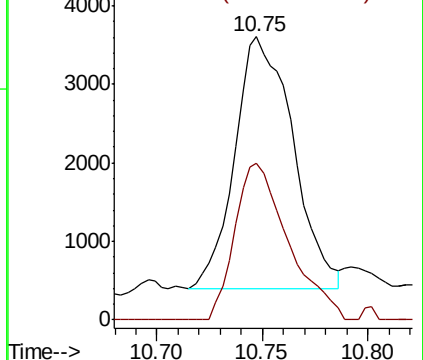
43 100

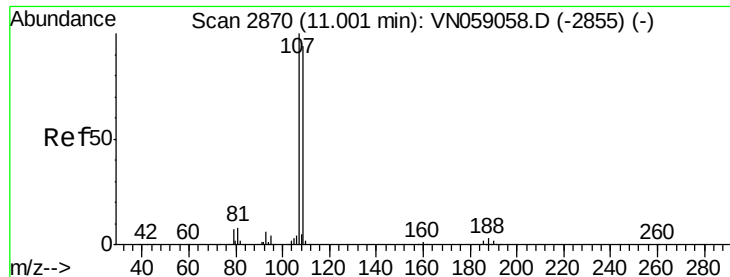
58 56.6 27.4 82.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#61

1,2-Dibromoethane

Concen: 0.224 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Instrument :

MSVOA_N

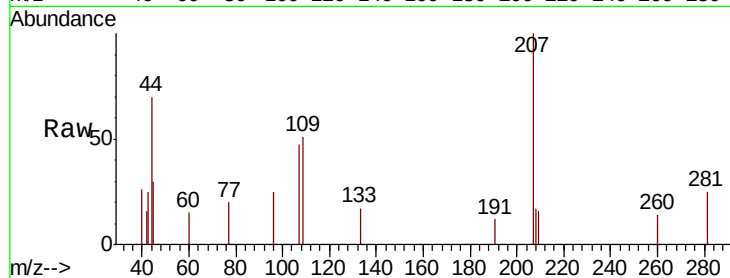
ClientSampleId :

Tot Ion:107 Resp: 1078

Ion Ratio Lower Upper

107 100

109 110.7 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

600

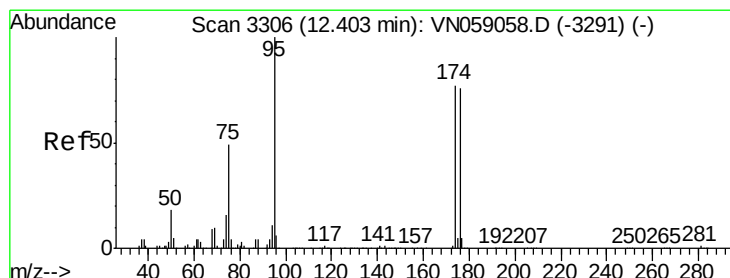
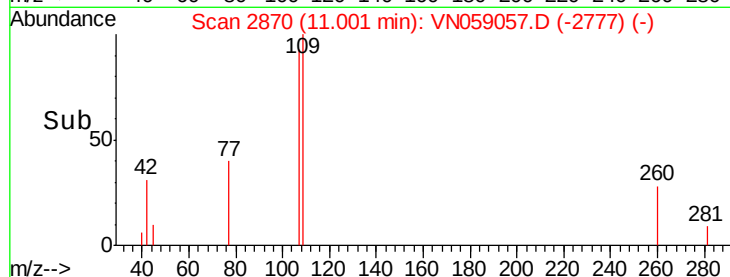
400

200

0

Time--> 10.95

11.00



#62

4-Bromofluorobenzene

Concen: 43.363 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

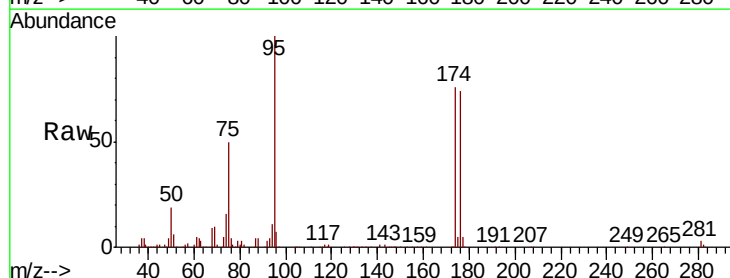
Tgt Ion: 95 Resp: 264538

Ion Ratio Lower Upper

95 100

174 77.6 0.0 155.8

176 74.8 0.0 151.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

100000

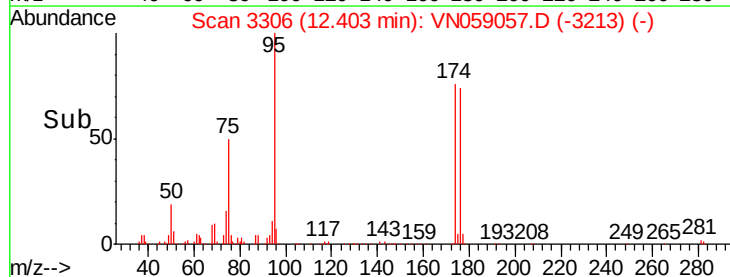
50000

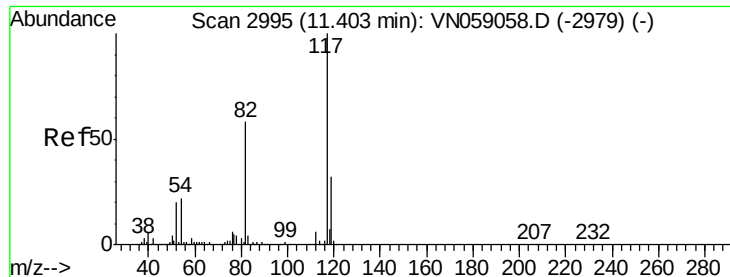
0

Time--> 12.30

12.40

12.50

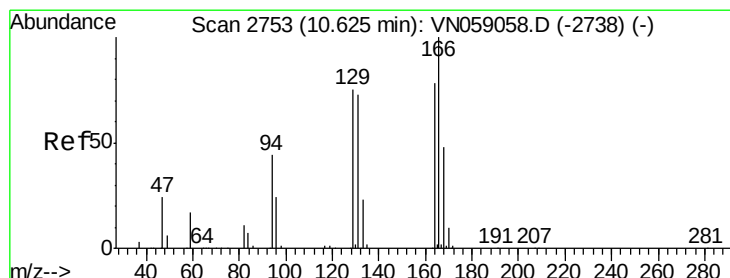
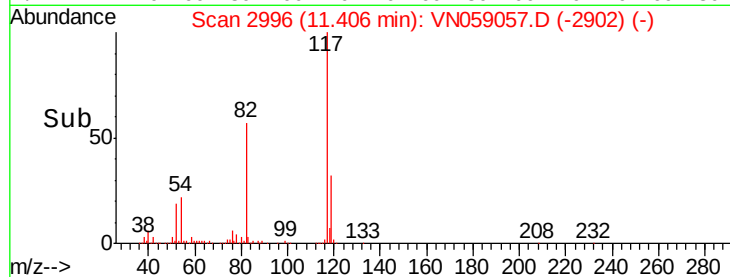
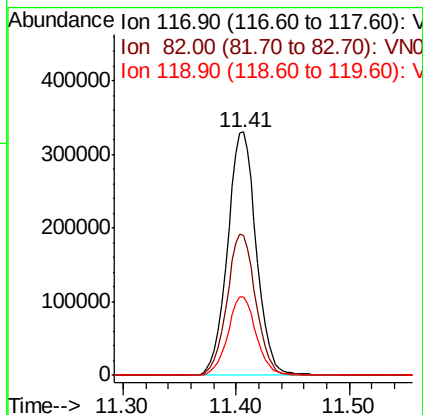
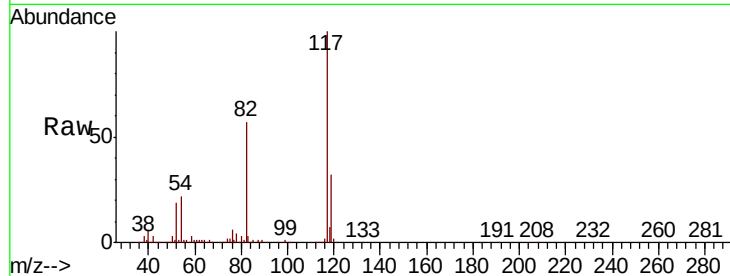




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

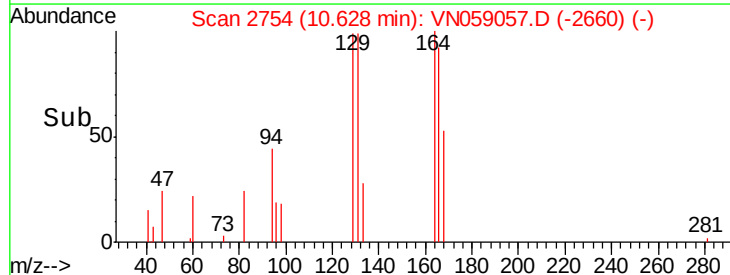
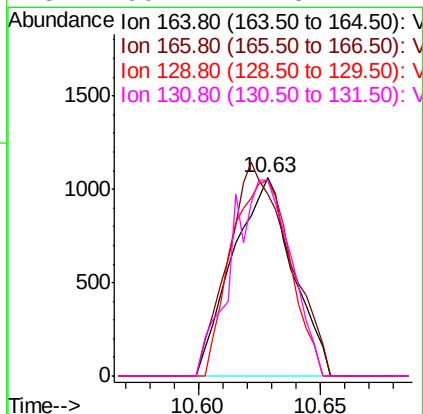
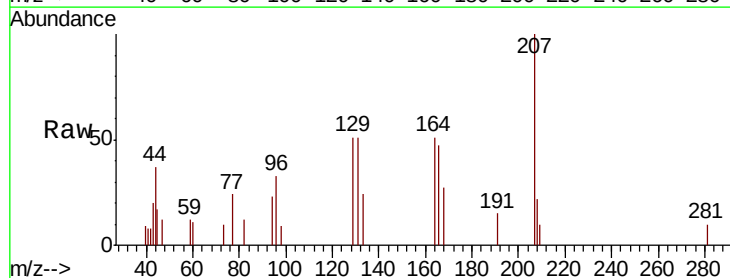
Instrument :
MSVOA_N
ClientSampleId :

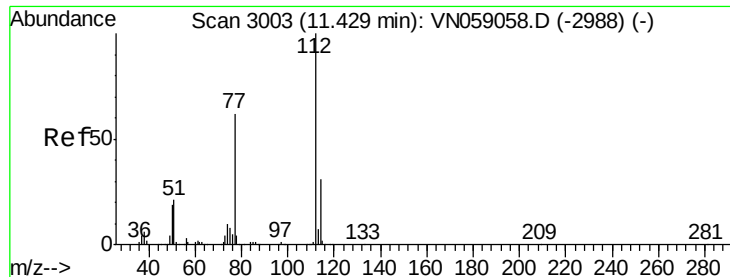
Tot Ion:117 Resp: 581272
Ion Ratio Lower Upper
117 100
82 57.3 46.0 69.0
119 32.1 25.6 38.4



#64
Tetrachloroethene
Concen: 0.445 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

Tgt Ion:164 Resp: 1808
Ion Ratio Lower Upper
164 100
166 91.5 102.7 154.1#
129 99.0 77.3 115.9
131 99.1 74.8 112.2

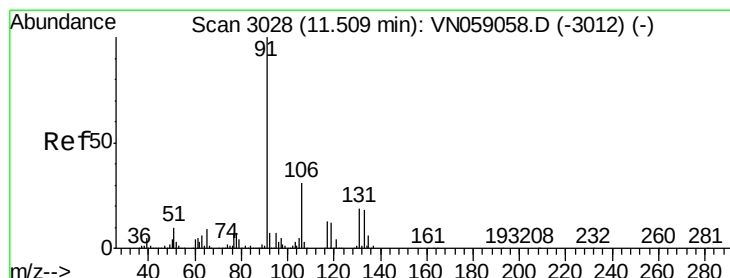
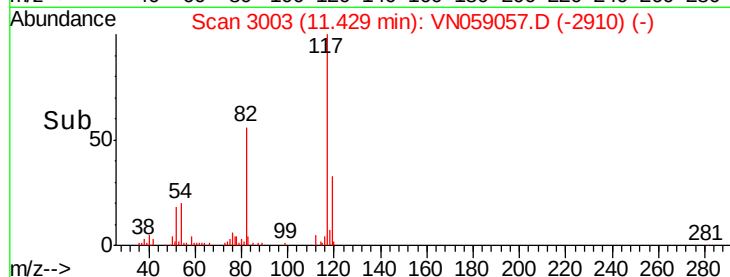
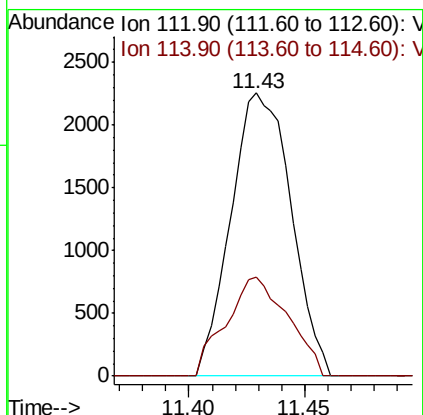
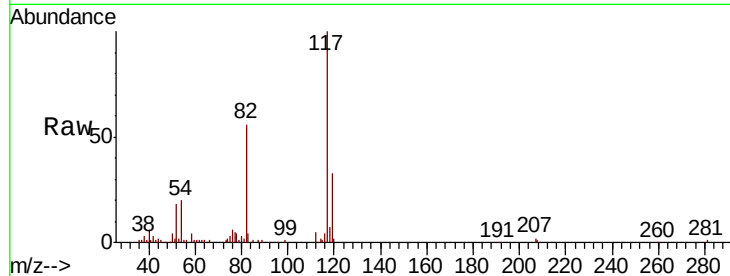




#65
Chlorobenzene
Concen: 0.341 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

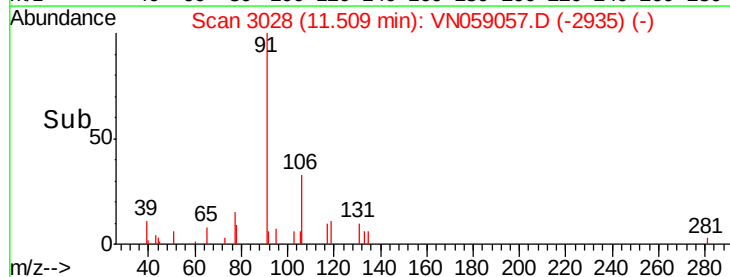
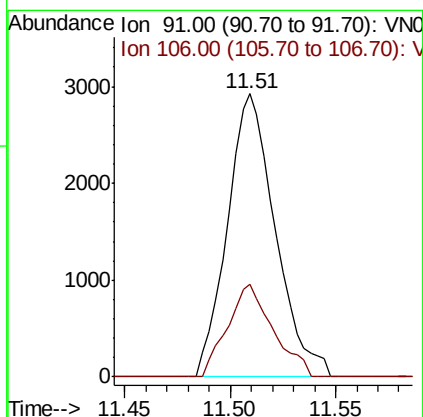
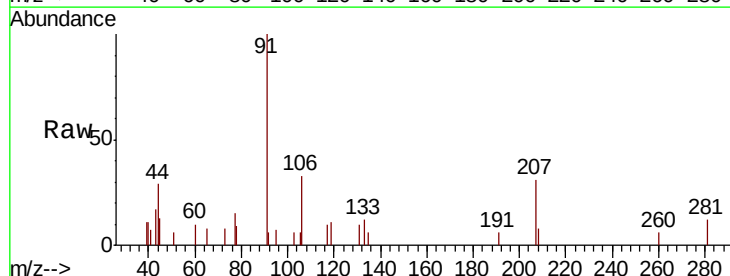
Instrument :
MSVOA_N
ClientSampled :

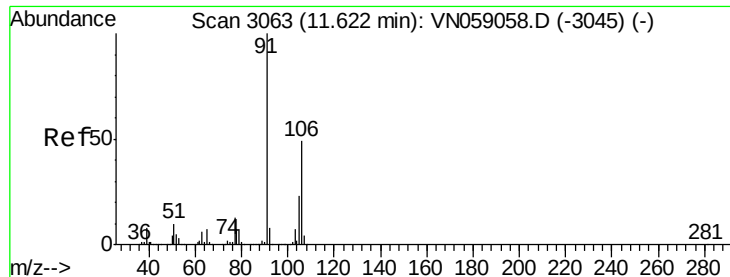
Tot Ion:112 Resp: 4074
Ion Ratio Lower Upper
112 100
114 35.1 25.0 37.6



#67
Ethyl Benzene
Concen: 0.223 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

Tgt Ion: 91 Resp: 4608
Ion Ratio Lower Upper
91 100
106 32.7 24.6 36.8





#68

m/p-Xylenes

Concen: 0.470 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Instrument :

MSVOA_N

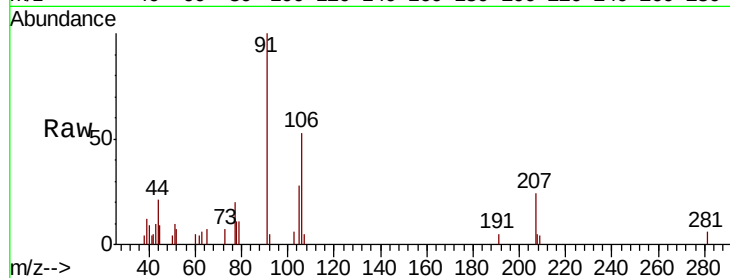
ClientSampleId :

Tot Ion:106 Resp: 3626

Ion Ratio Lower Upper

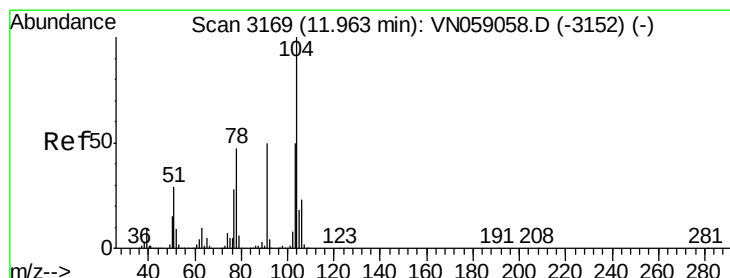
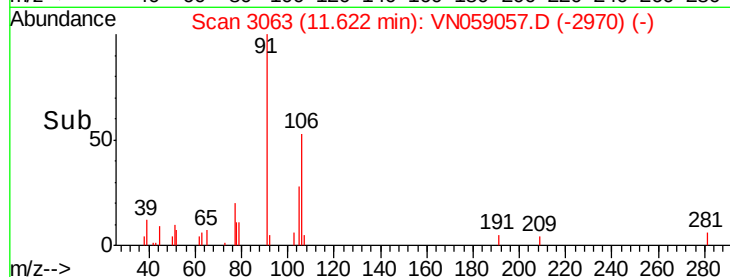
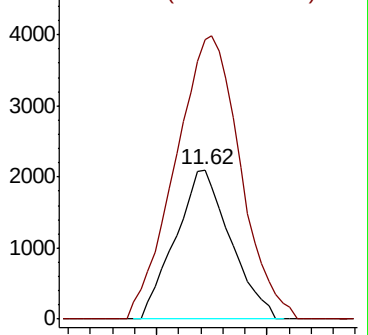
106 100

91 223.9 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 0.318 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

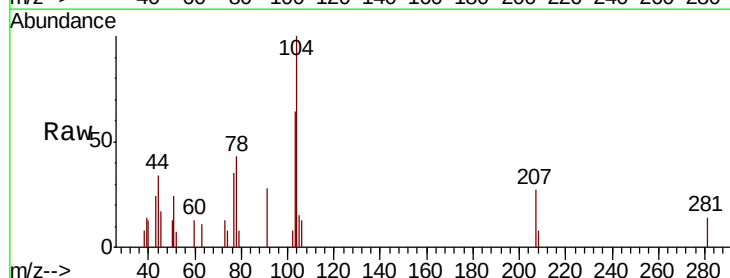
Tgt Ion:104 Resp: 3790

Ion Ratio Lower Upper

104 100

78 55.4 41.2 61.8

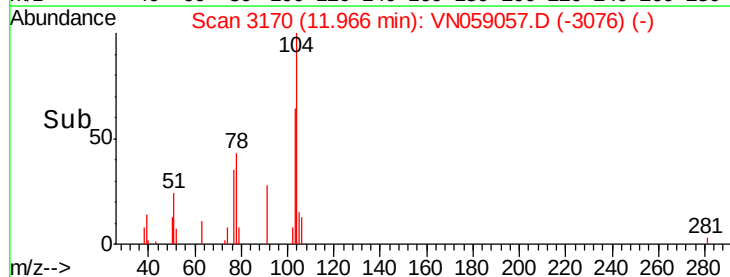
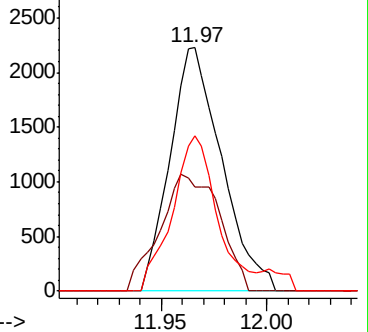
103 55.7 43.9 65.9

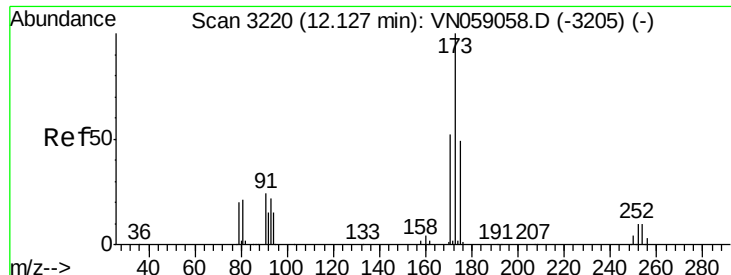


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.243 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Instrument :

MSVOA_N

ClientSampleId :

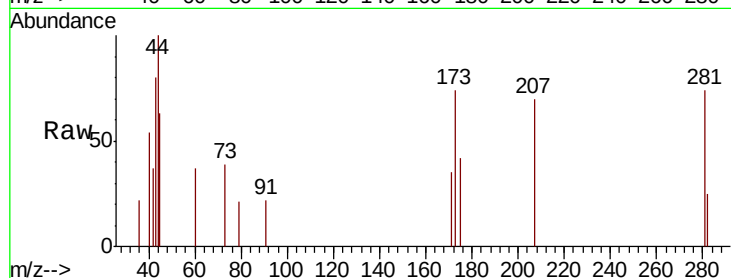
Tot Ion:173 Resp: 824

Ion Ratio Lower Upper

173 100

175 48.1 24.4 73.2

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

12.13

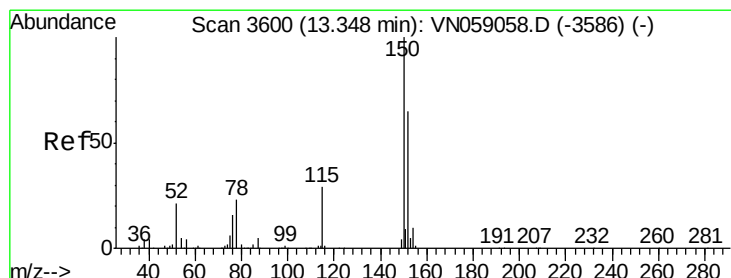
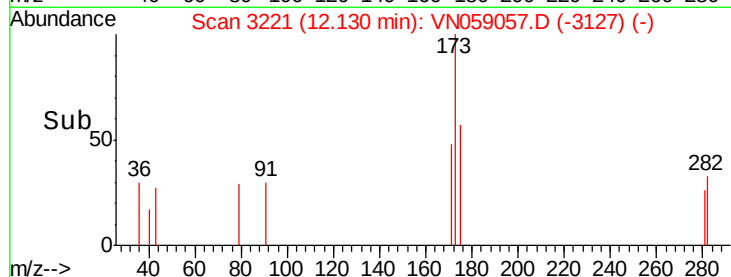
600

400

200

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

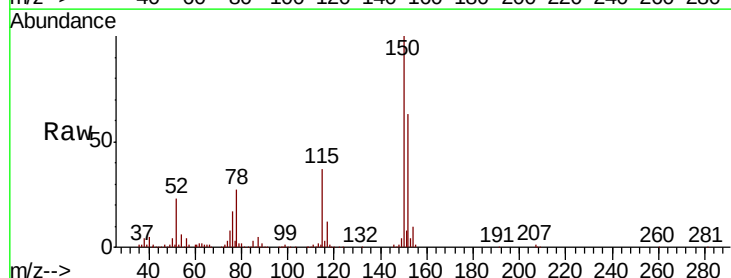
Tgt Ion:152 Resp: 217830

Ion Ratio Lower Upper

152 100

115 59.1 29.6 88.9

150 157.2 0.0 345.8



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

250000

200000

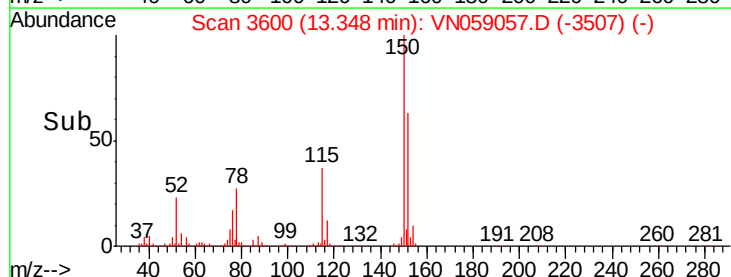
150000

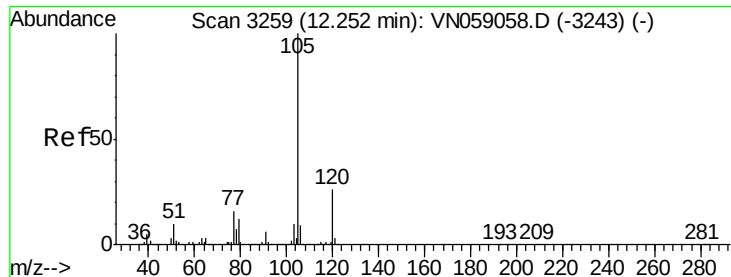
100000

50000

0

Time-->





#73

Isopropylbenzene

Concen: 0.226 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Instrument :

MSVOA_N

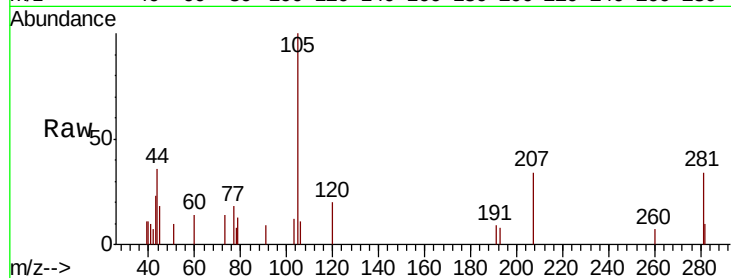
ClientSampled :

Tot Ion: 105 Resp: 3616

Ion Ratio Lower Upper

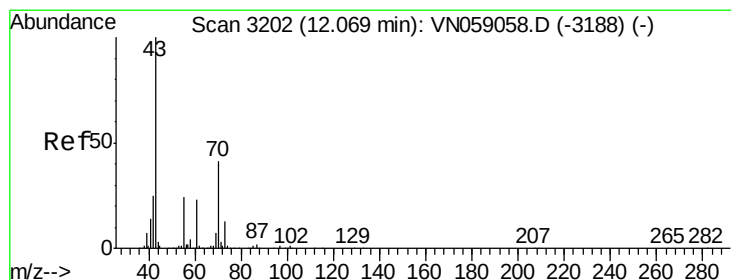
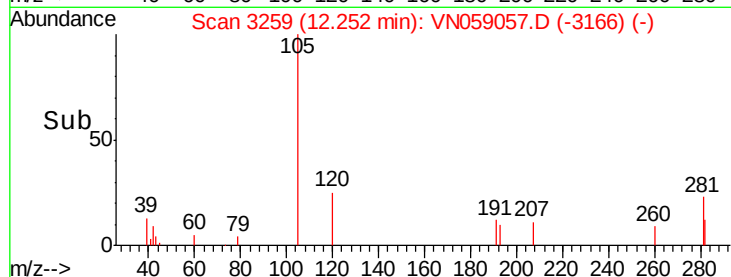
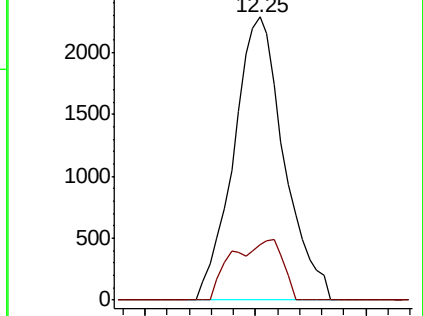
105 100

120 21.2 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.500 ug/l

RT: 12.08 min Scan# 3205

Delta R.T. 0.01 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Tgt Ion: 43 Resp: 3564

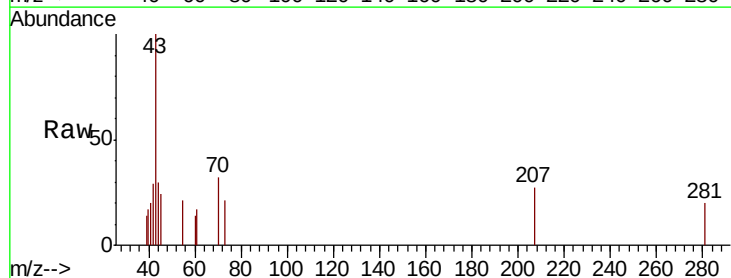
Ion Ratio Lower Upper

43 100

70 41.8 32.6 49.0

55 24.2 19.7 29.5

61 24.0 19.0 28.6

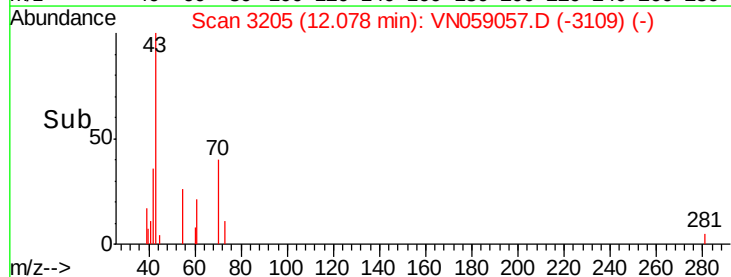
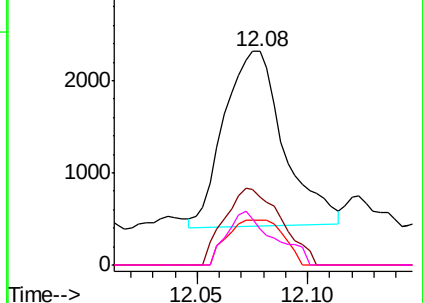


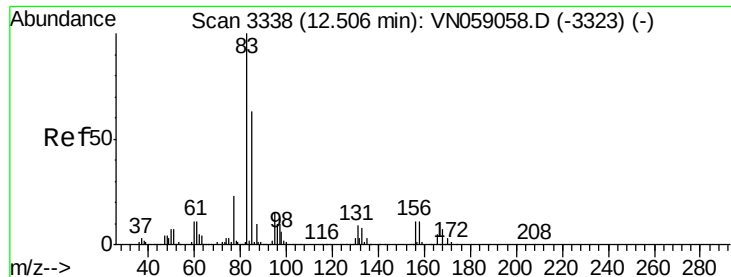
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.391 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Instrument :

MSVOA_N

ClientSampleId :

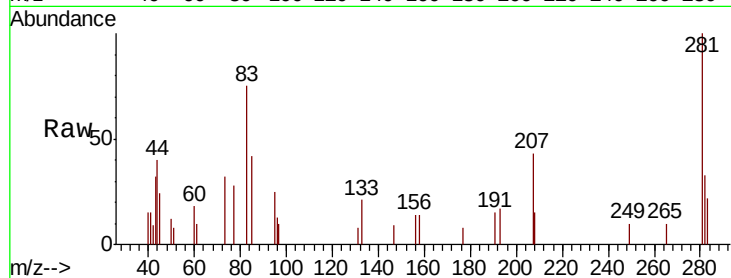
Tot Ion: 83 Resp: 2232

Ion Ratio Lower Upper

83 100

131 2.9 4.9 14.7#

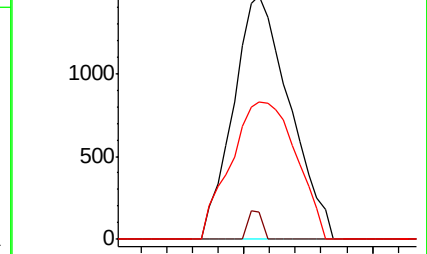
85 65.4 31.9 95.9



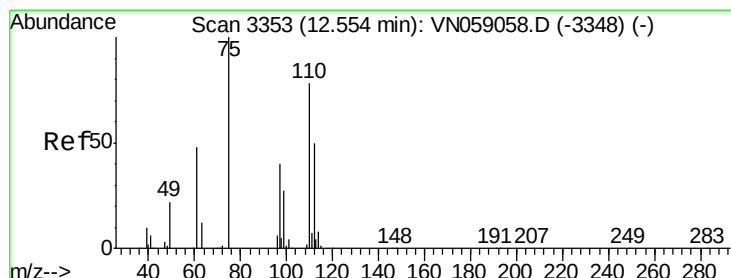
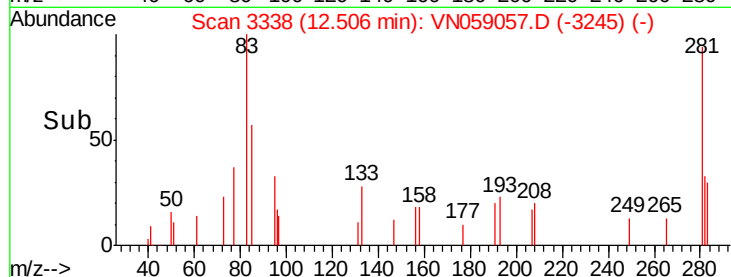
Abundance Ion 82.90 (82.60 to 83.60): VN059058.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN059058.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN059058.D (-3323) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 0.837 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.01 min

Lab File: VN059057.D

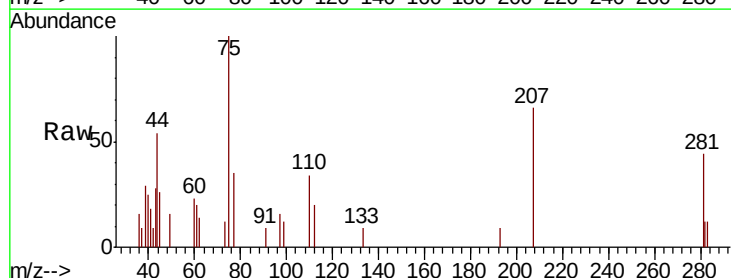
Acq: 1 Nov 2019 12:37

Tgt Ion: 75 Resp: 4316

Ion Ratio Lower Upper

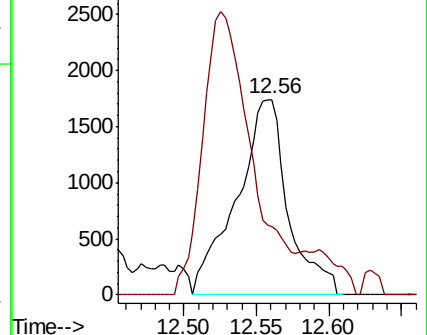
75 100

77 0.0 0.0 0.0

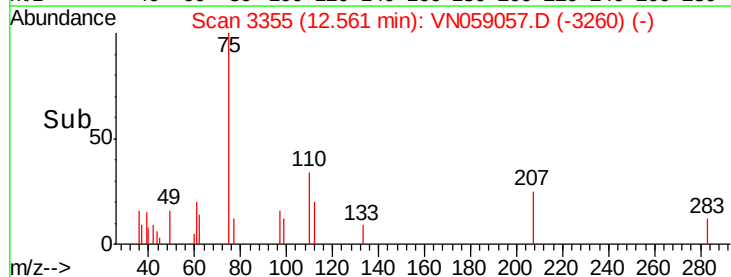


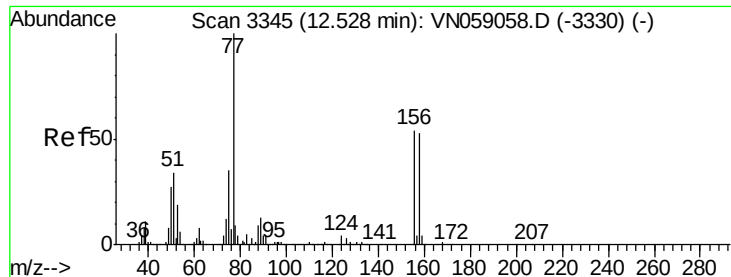
Abundance Ion 74.90 (74.60 to 75.60): VN059058.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN059058.D (-3348) (-)



Time-->





#77

Bromobenzene

Concen: 0.623 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Instrument :

MSVOA_N

ClientSampleId :

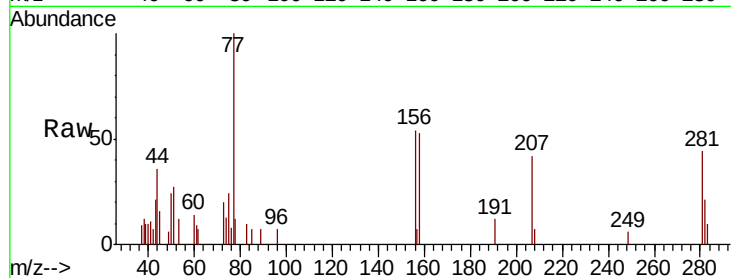
Tot Ion:156 Resp: 2496

Ion Ratio Lower Upper

156 100

77 237.3 114.2 342.6

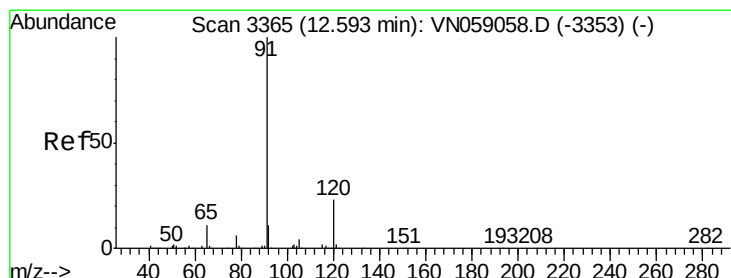
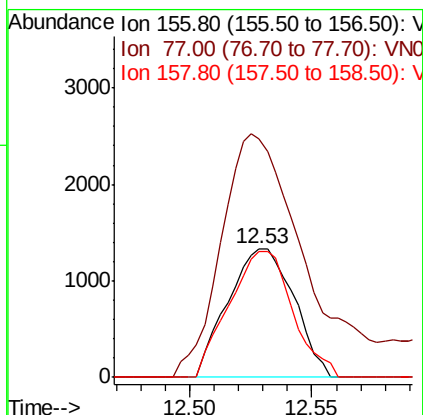
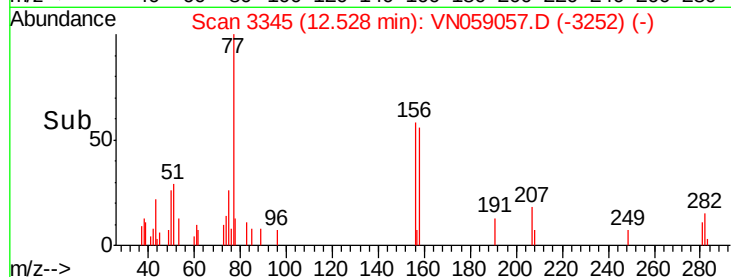
158 94.3 49.6 149.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.407 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN059057.D

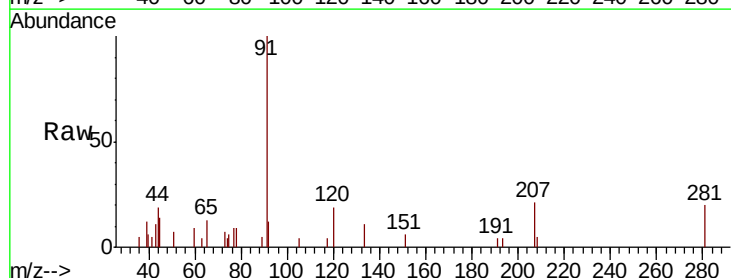
Acq: 1 Nov 2019 12:37

Tgt Ion: 91 Resp: 7562

Ion Ratio Lower Upper

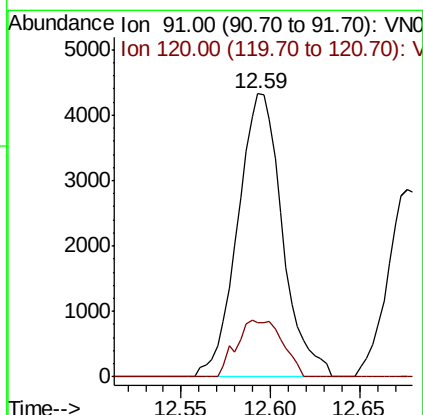
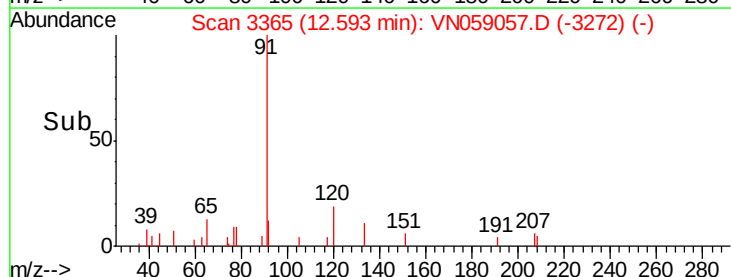
91 100

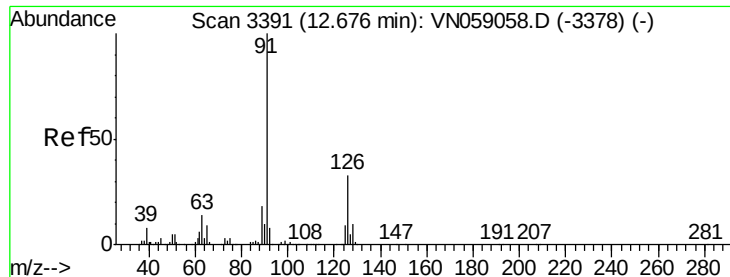
120 20.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

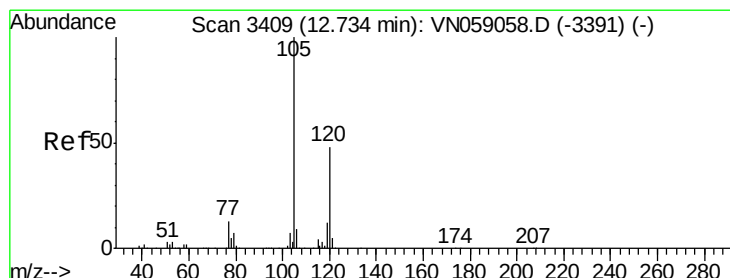
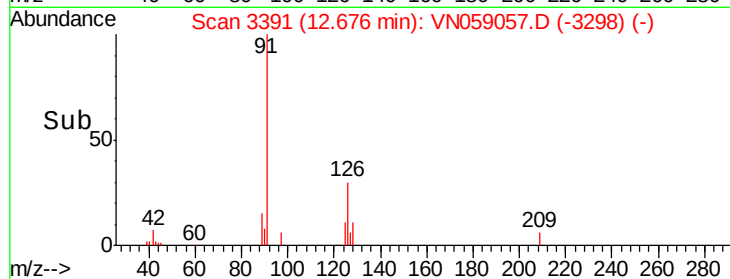
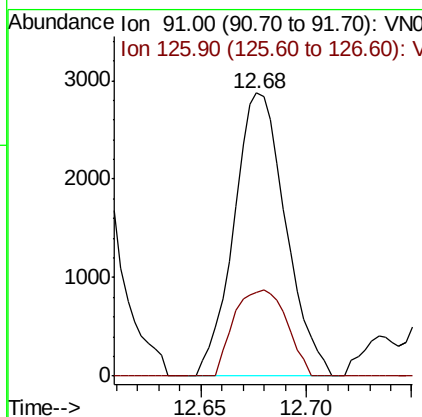
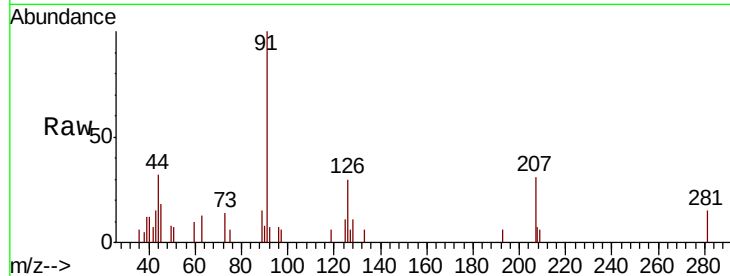




#79
 2-Chlorotoluene
 Concen: 0.425 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN059057.D
 Acq: 1 Nov 2019 12:37

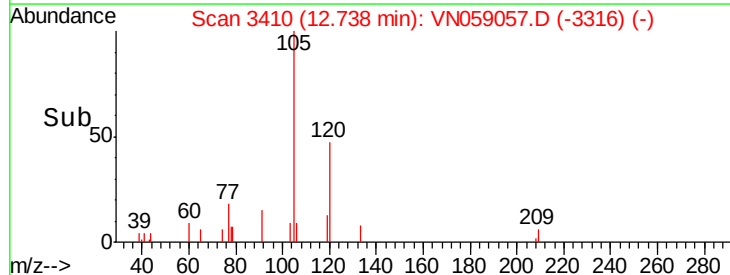
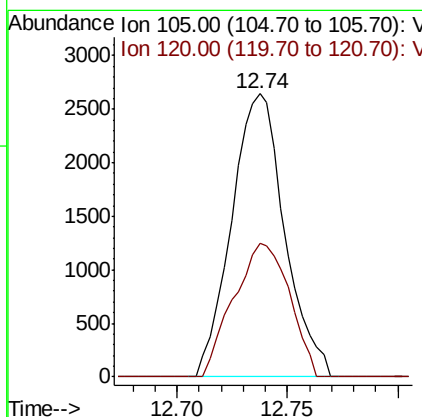
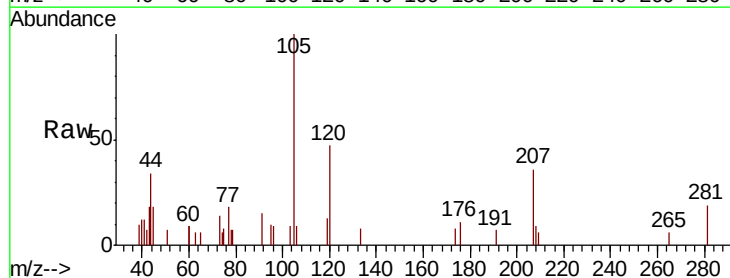
Instrument :
 MSVOA_N
 ClientSampleId :

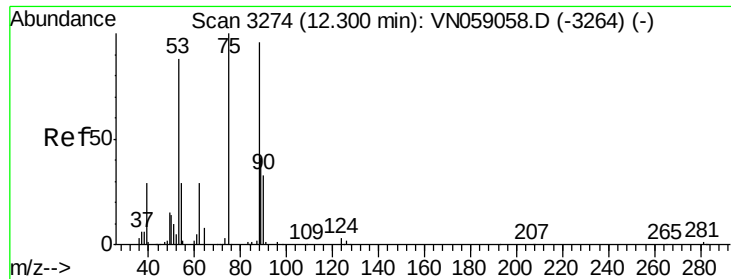
Tot Ion: 91.00 Resp: 4900
 Ion Ratio Lower Upper
 91 100
 126 31.1 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 0.324 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN059057.D
 Acq: 1 Nov 2019 12:37

Tgt Ion: 105 Resp: 4417
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.2 72.6

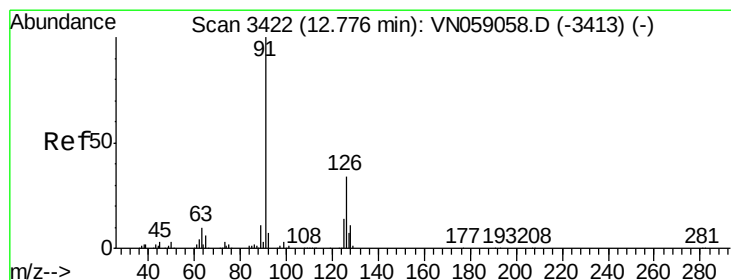
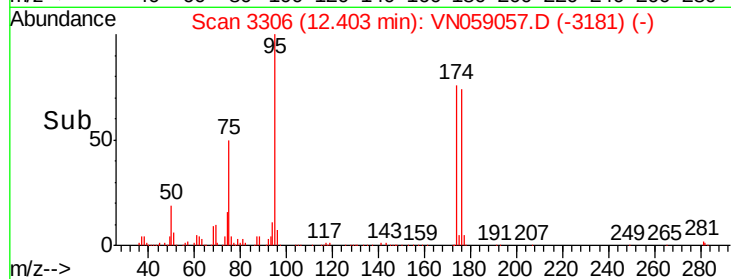
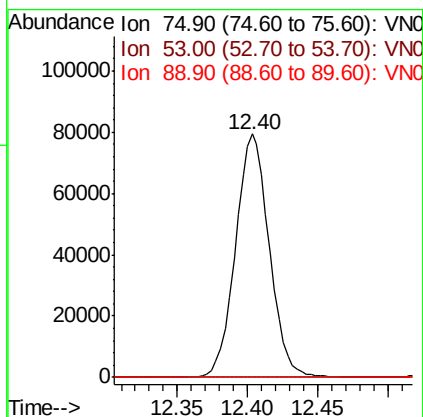
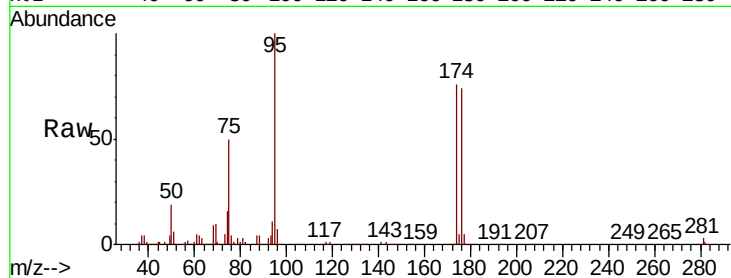




#81
trans-1,4-Dichloro-2-butene
Concen: 65.923 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

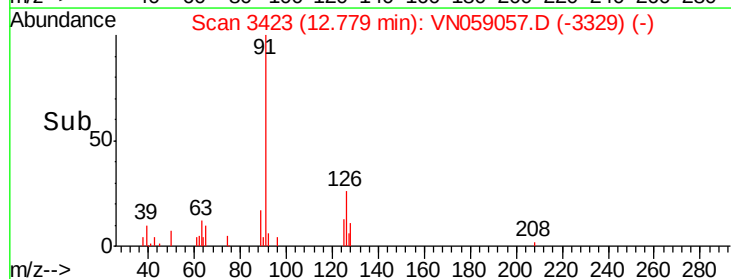
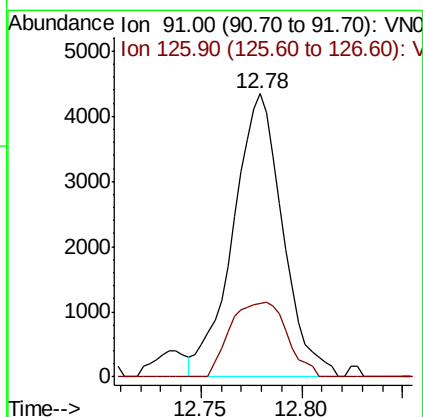
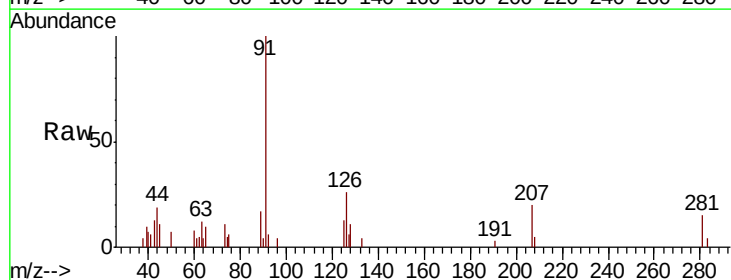
Instrument :
MSVOA_N
ClientSampled :

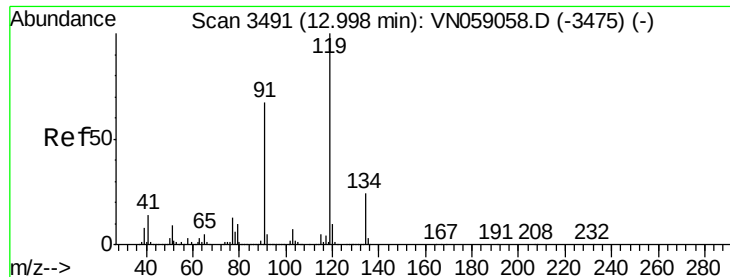
Tot Ion: 75 Resp: 132558
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 34.2 51.2#



#82
4-Chlorotoluene
Concen: 0.637 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN059057.D
Acq: 1 Nov 2019 12:37

Tgt Ion: 91 Resp: 7493
Ion Ratio Lower Upper
91 100
126 29.9 16.0 47.9

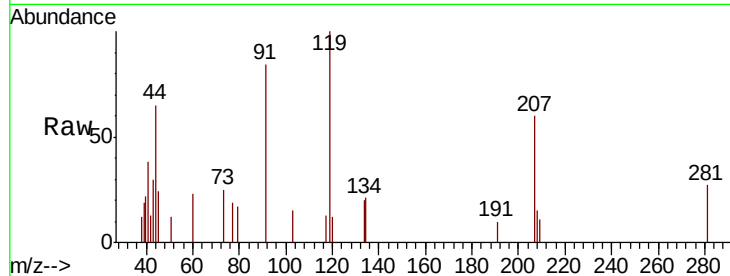




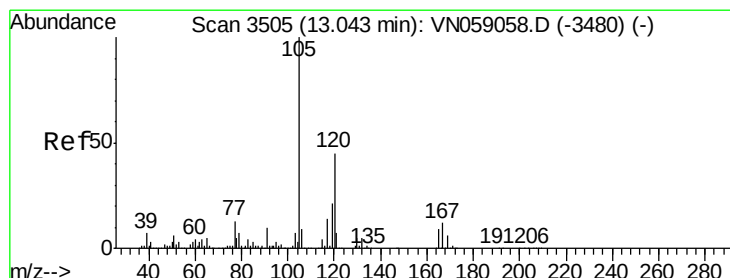
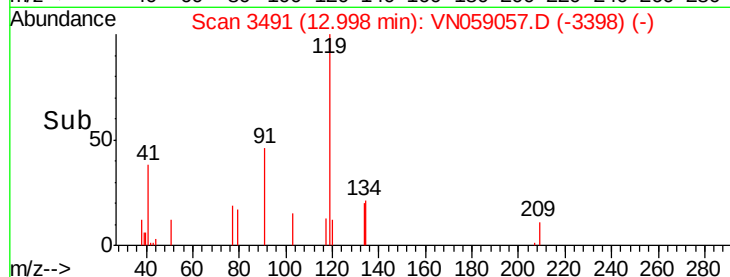
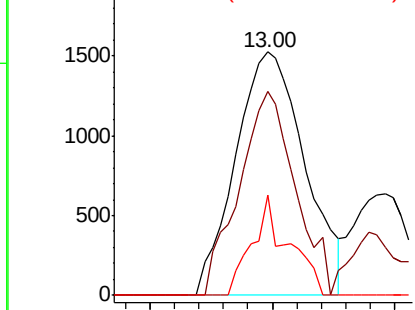
#83
 tert-Butylbenzene
 Concen: 0.259 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059057.D
 Acq: 1 Nov 2019 12:37

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 3000
 Ion Ratio Lower Upper
 119 100
 91 67.6 33.7 101.0
 134 21.5 12.9 38.7

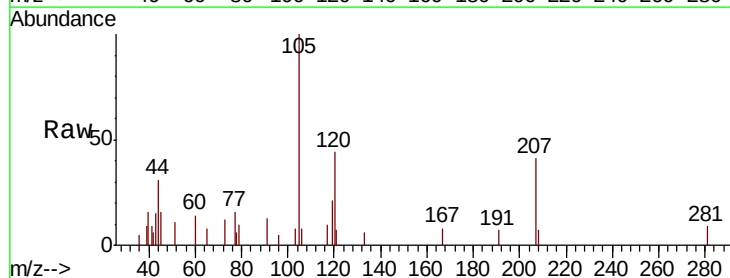


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

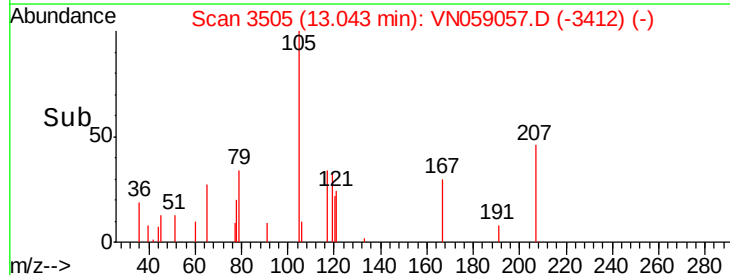
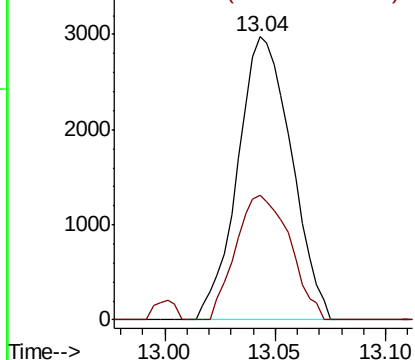


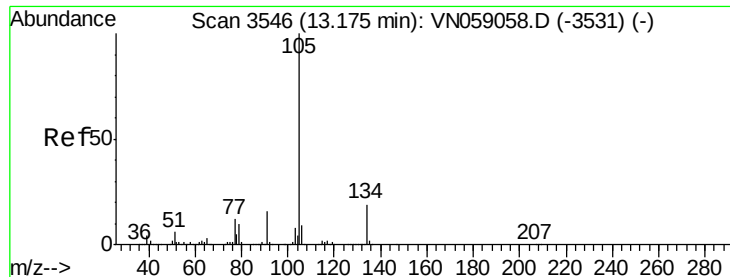
#84
 1,2,4-Trimethylbenzene
 Concen: 0.380 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059057.D
 Acq: 1 Nov 2019 12:37

Tgt Ion:105 Resp: 5025
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.376 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Instrument :

MSVOA_N

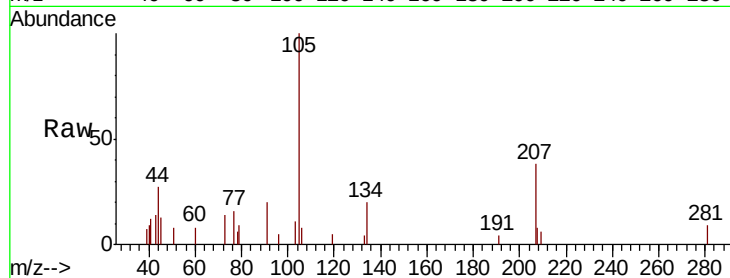
ClientSampleId :

Tot Ion:105 Resp: 5697

Ion Ratio Lower Upper

105 100

134 17.8 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

4000

3000

2000

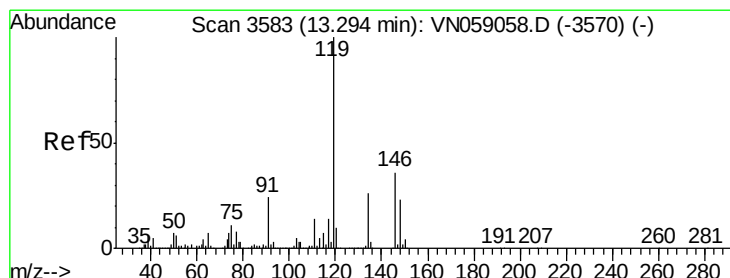
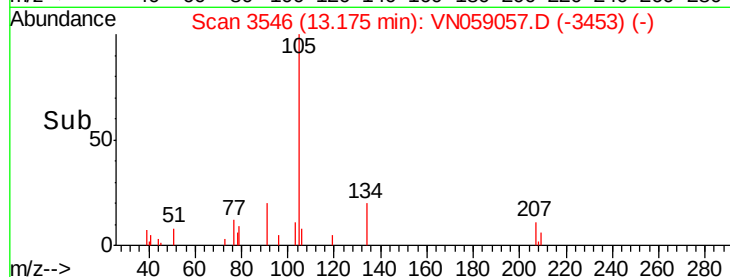
1000

0

Time-->

13.15

13.20



#86

p-Isopropyltoluene

Concen: 0.440 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

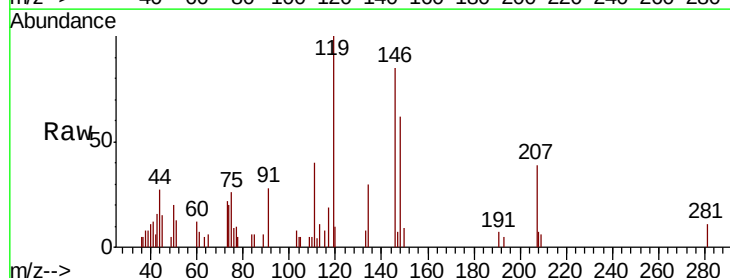
Tgt Ion:119 Resp: 6021

Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

91 26.0 12.0 36.0



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

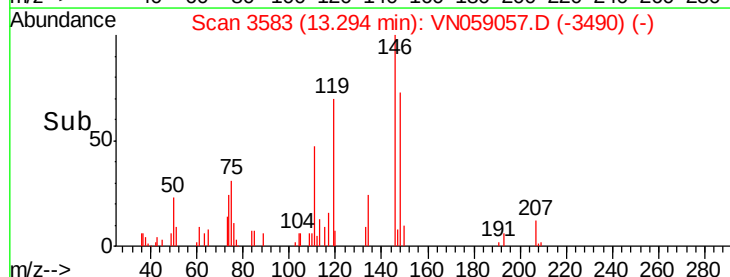
0

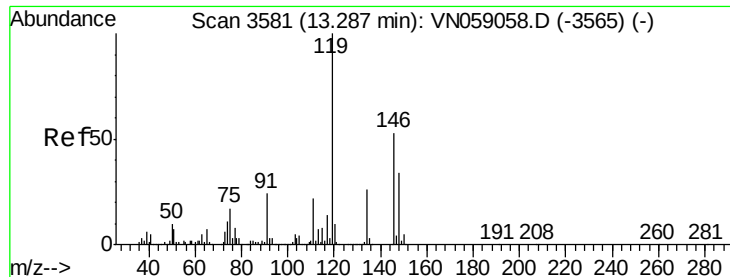
Time-->

13.25

13.30

13.35

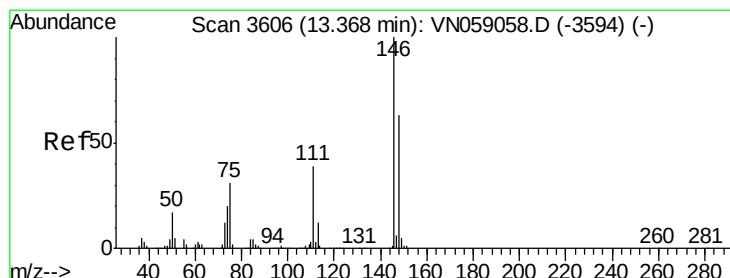
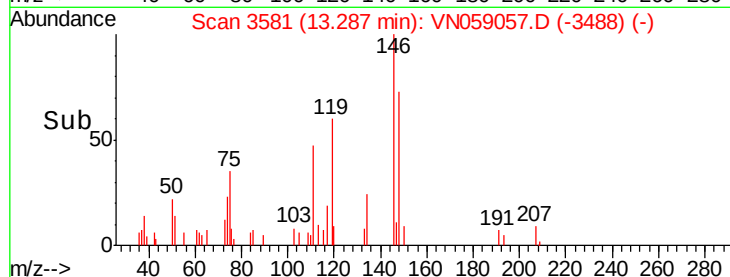
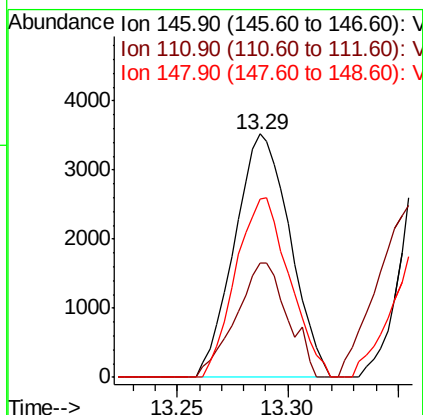
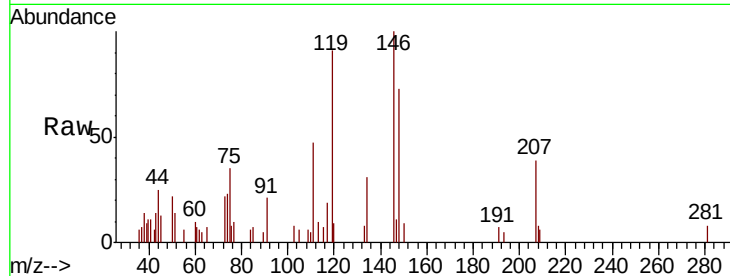




#87
 1,3-Dichlorobenzene
 Concen: 0.864 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059057.D
 Acq: 1 Nov 2019 12:37

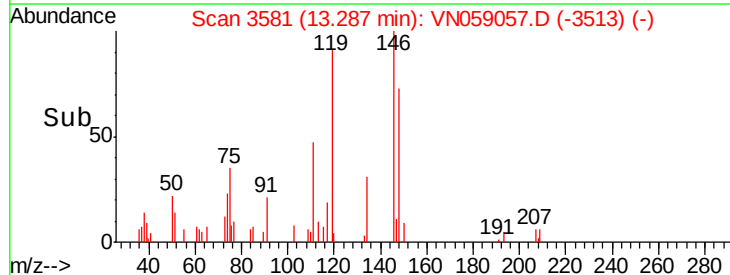
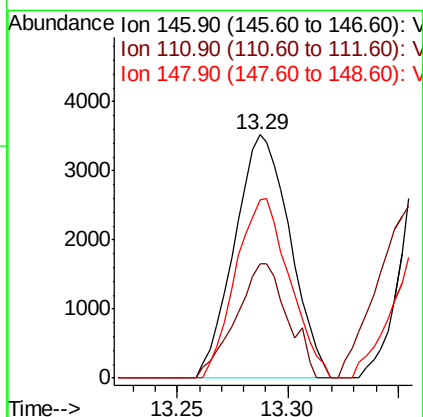
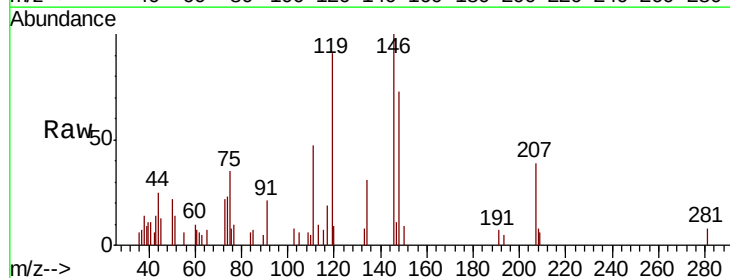
Instrument :
 MSVOA_N
 ClientSampled :

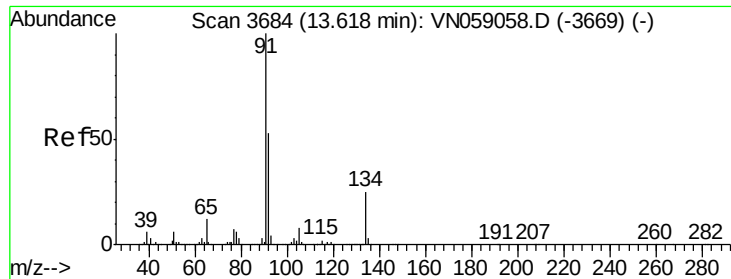
Tot Ion:146 Resp: 6154
 Ion Ratio Lower Upper
 146 100
 111 43.7 20.5 61.5
 148 71.7 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 0.874 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.08 min
 Lab File: VN059057.D
 Acq: 1 Nov 2019 12:37

Tgt Ion:146 Resp: 6154
 Ion Ratio Lower Upper
 146 100
 111 43.7 20.1 60.2
 148 71.7 31.9 95.7





#89

n-Butylbenzene

Concen: 0.789 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Instrument :

MSVOA_N

ClientSampled :

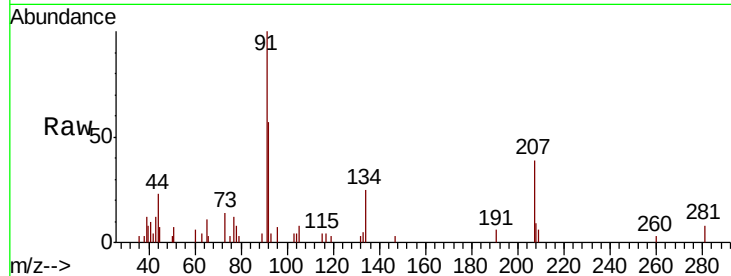
Tot Ion: 91 Resp: 9404

Ion Ratio Lower Upper

91 100

92 54.3 26.4 79.0

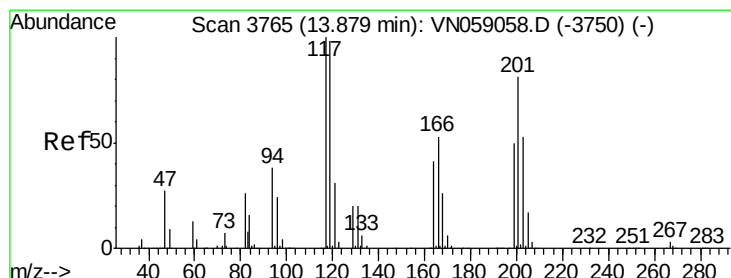
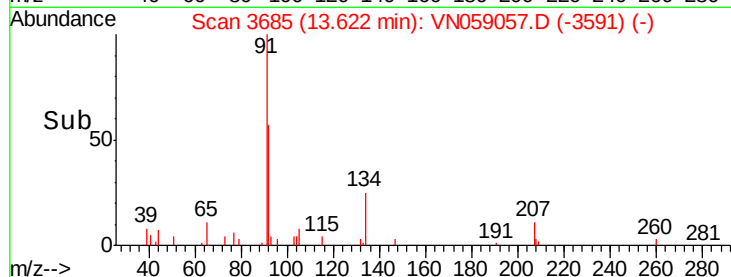
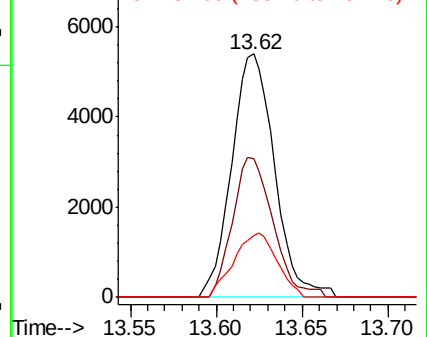
134 26.4 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VN059058.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059058.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059058.D (-3669) (-)



#90

Hexachloroethane

Concen: 0.210 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN059057.D

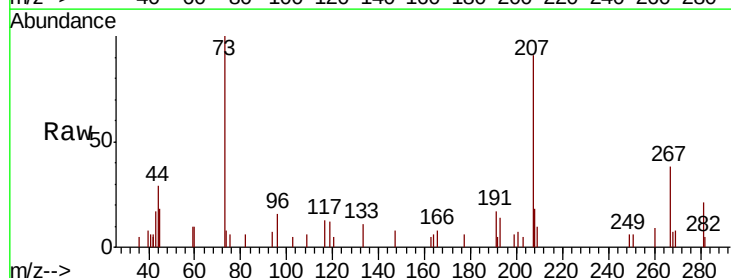
Acq: 1 Nov 2019 12:37

Tgt Ion: 117 Resp: 571

Ion Ratio Lower Upper

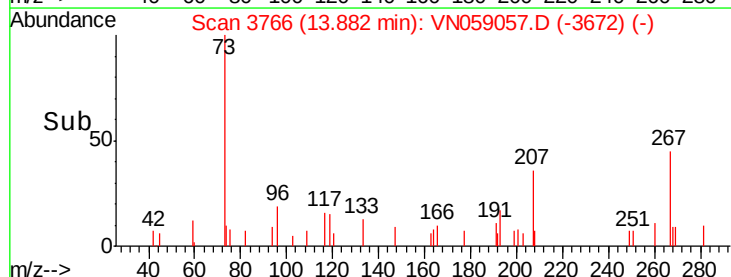
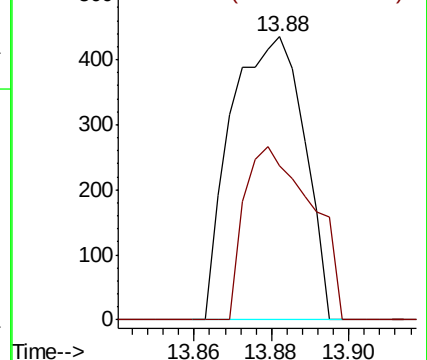
117 100

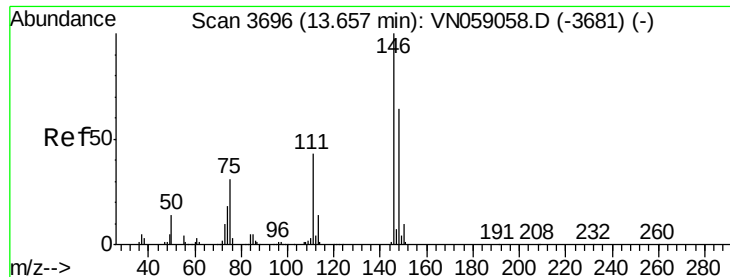
201 56.2 40.7 122.1



Abundance Ion 116.80 (116.50 to 117.50): VN059058.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059058.D (-3750) (-)

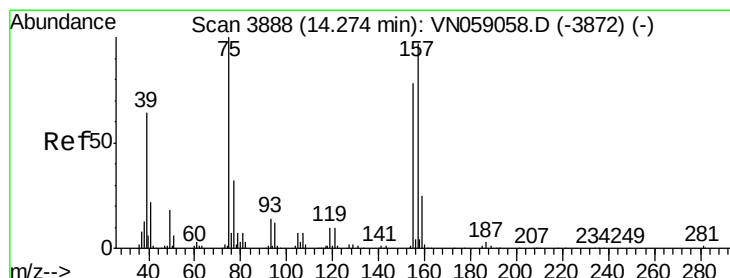
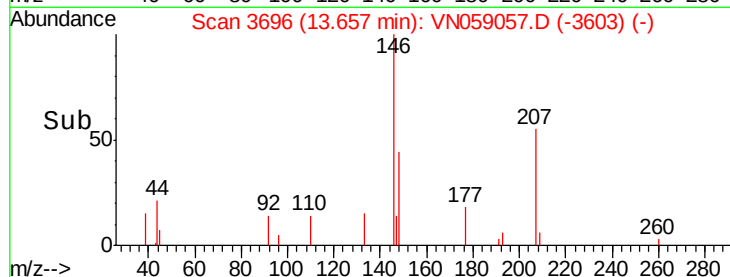
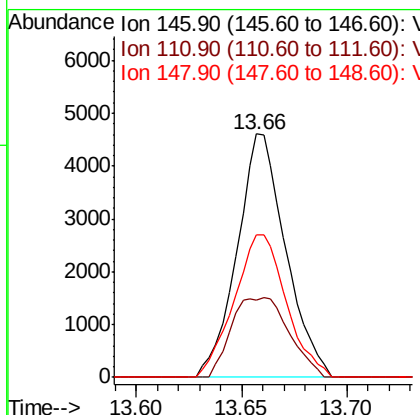
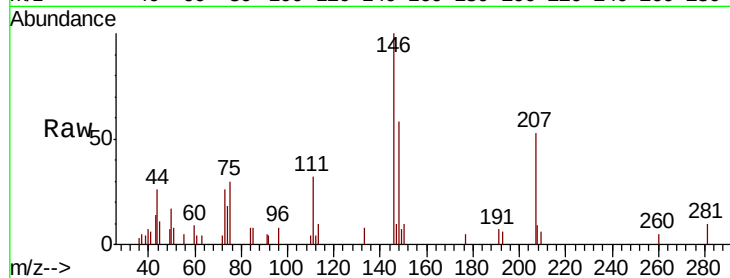




#91
 1,2-Dichlorobenzene
 Concen: 1.039 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN059057.D
 Acq: 1 Nov 2019 12:37

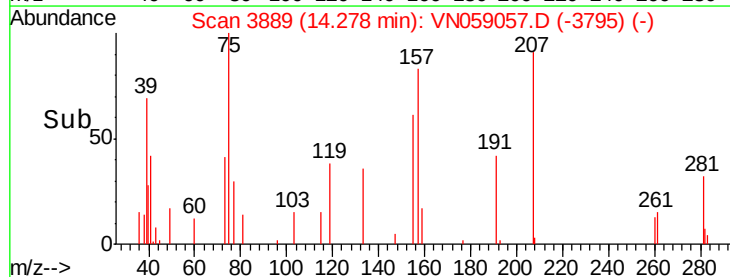
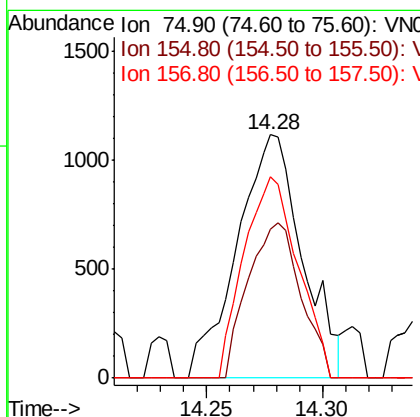
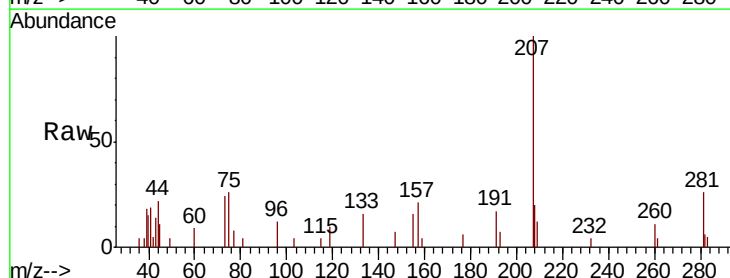
Instrument :
 MSVOA_N
 ClientSampled :

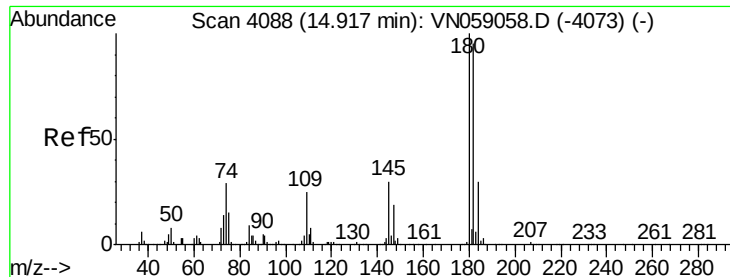
Tot Ion:146 Resp: 7362
 Ion Ratio Lower Upper
 146 100
 111 38.9 21.2 63.6
 148 62.9 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.771 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN059057.D
 Acq: 1 Nov 2019 12:37

Tgt Ion: 75 Resp: 2184
 Ion Ratio Lower Upper
 75 100
 155 51.4 39.7 119.1
 157 68.5 51.0 153.0

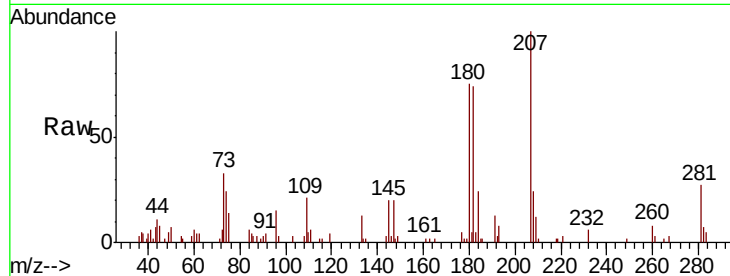




#93
 1,2,4-Trichlorobenzene
 Concen: 3.249 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN059057.D
 Acq: 1 Nov 2019 12:37

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.8	143.4
145	31.3	15.1	45.3

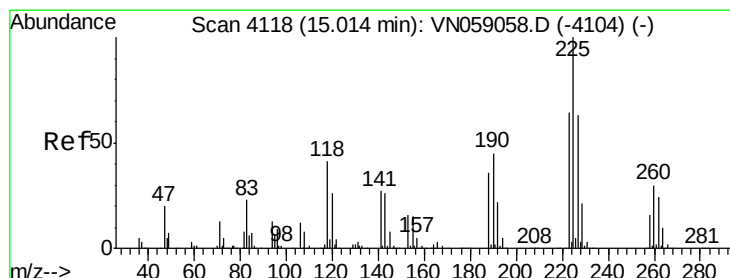
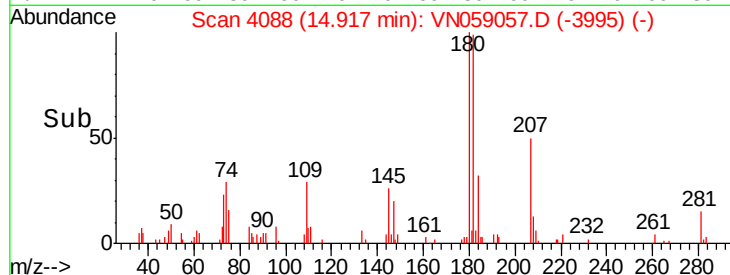
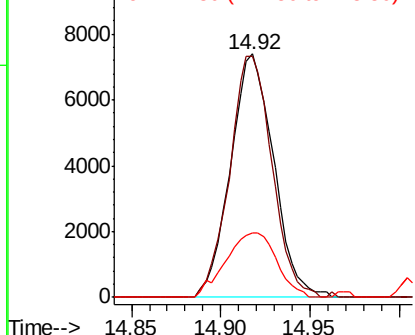


Abundance

Ion 179.80 (179.50 to 180.50): V

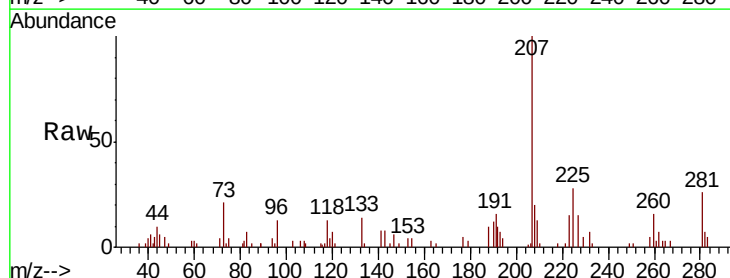
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 2.093 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN059057.D
 Acq: 1 Nov 2019 12:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.6	95.0
227	59.9	31.9	95.7

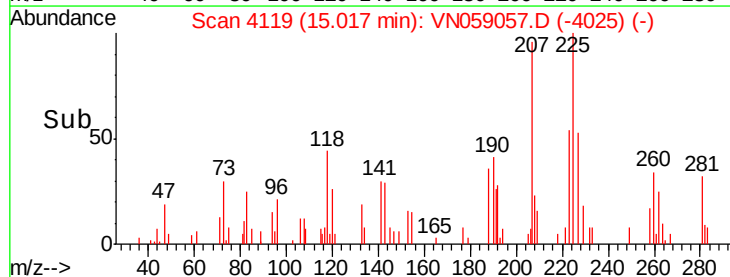
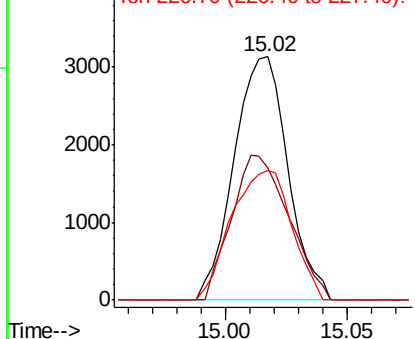


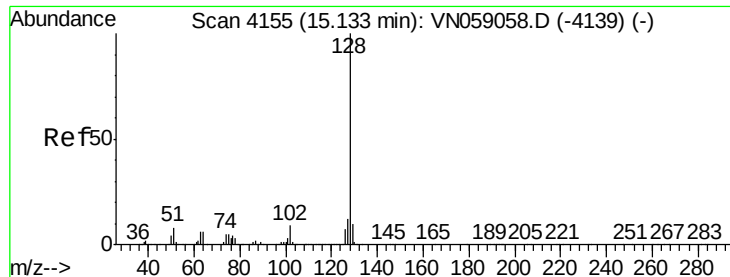
Abundance

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: 7.462 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

Instrument :

MSVOA_N

ClientSampleId :

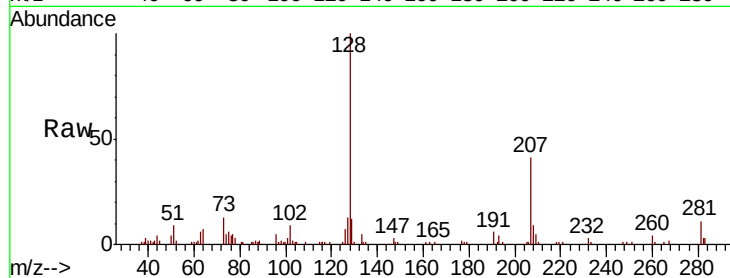
Tot Ion:128 Resp: 56694

Ion Ratio Lower Upper

128 100

127 12.5 9.9 14.9

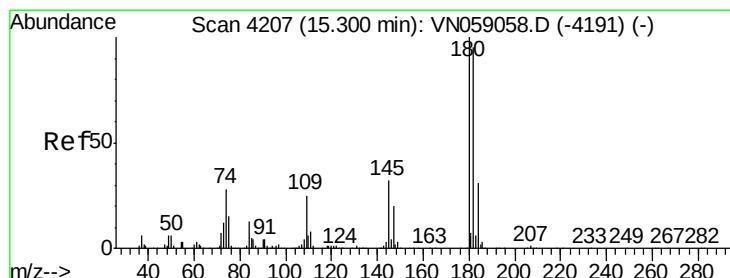
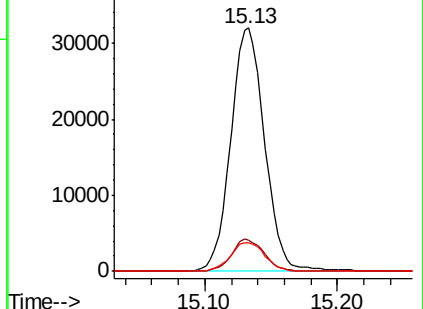
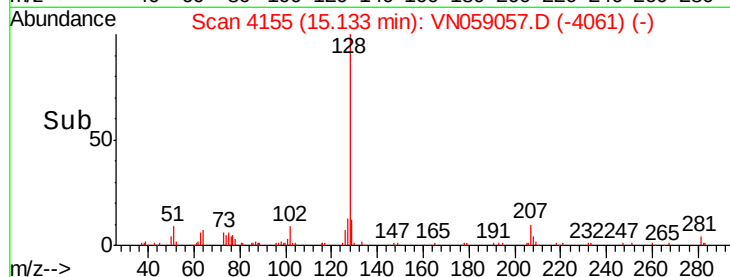
129 11.9 8.4 12.6



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: 4.238 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059057.D

Acq: 1 Nov 2019 12:37

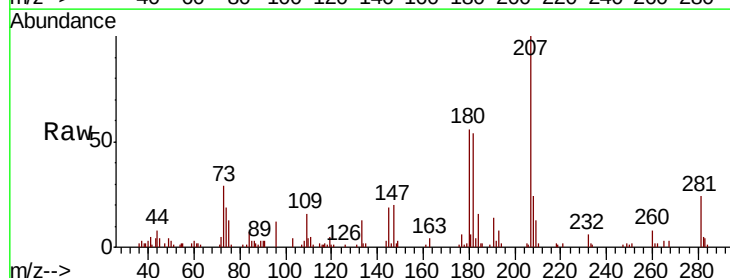
Tgt Ion:180 Resp: 16481

Ion Ratio Lower Upper

180 100

182 90.0 47.7 143.1

145 33.3 16.0 48.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

