

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
 Data File : VN059641.D
 Acq On : 17 Dec 2019 21:22
 Operator : JC/SP
 Sample : K6309-02 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30785

Quant Time: Dec 18 05:51:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	234104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	380643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	344051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148220	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	168861	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
35) Dibromofluoromethane	7.57	113	119863	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
50) Toluene-d8	10.08	98	469298	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	167387	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.38	74	516	0.331	ug/l #	37
11) Tert butyl alcohol	4.75	59	26088	41.772	ug/l #	88
16) Acetone	3.79	43	88967	43.989	ug/l	98
17) Carbon Disulfide	4.02	76	2119	2.114	ug/l #	75
18) Methyl Acetate	4.30	43	17645	4.164	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	29270	3.376	ug/l #	81
20) Methylene Chloride	4.53	84	1919	0.657	ug/l	93
22) Diisopropyl ether	5.92	45	66944	7.204	ug/l #	1
23) Vinyl Acetate	5.92	43	6781	0.930	ug/l #	74
25) 2-Butanone	6.81	43	24583	10.164	ug/l	98
29) Tetrahydrofuran	7.19	42	1566	1.063	ug/l #	57
31) Cyclohexane	7.63	56	13043	2.622	ug/l #	48
36) 1,1-Dichloropropene	7.64	75	20252	5.102	ug/l #	49
37) Ethyl Acetate	6.91	43	1140	0.247	ug/l #	69
38) Carbon Tetrachloride	7.64	117	23258	5.646	ug/l #	16
39) Methylcyclohexane	9.07	83	6761	1.502	ug/l	89
40) Benzene	8.02	78	698944	60.251	ug/l	99
43) Isopropyl Acetate	8.15	43	1946	0.271	ug/l #	56
45) 1,2-Dichloropropane	8.84	63	1103	0.352	ug/l #	44
48) Methyl methacrylate	9.15	41	4434	1.362	ug/l #	40
49) 1,4-Dioxane	9.19	88	164	3.516	ug/l #	22
51) 4-Methyl-2-Pentanone	9.97	43	5293	1.238	ug/l	99
52) Toluene	10.14	92	989105	138.767	ug/l	98
53) t-1,3-Dichloropropene	10.45	75	2458	0.519	ug/l #	71
57) 1,3-Dichloropropane	10.45	76	4928	1.012	ug/l #	52
58) 2-Chloroethyl Vinyl ether	9.79	63	1304	0.987	ug/l #	71
59) 2-Hexanone	10.74	43	5615	1.666	ug/l	80
67) Ethyl Benzene	11.51	91	97857	7.282	ug/l	99
68) m/p-Xylenes	11.61	106	285526	57.542	ug/l	99
69) o-Xylene	11.94	106	99516	21.078	ug/l	99
70) Styrene	11.94	104	5632	0.742	ug/l #	1
73) Isopropylbenzene	12.25	105	18526	1.592	ug/l	96
74) N-amyl acetate	12.02	43	4830	0.905	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.54	83	4081	1.106	ug/l #	26

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
 Data File : VN059641.D
 Acq On : 17 Dec 2019 21:22
 Operator : JC/SP
 Sample : K6309-02 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30785

Quant Time: Dec 18 05:51:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

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

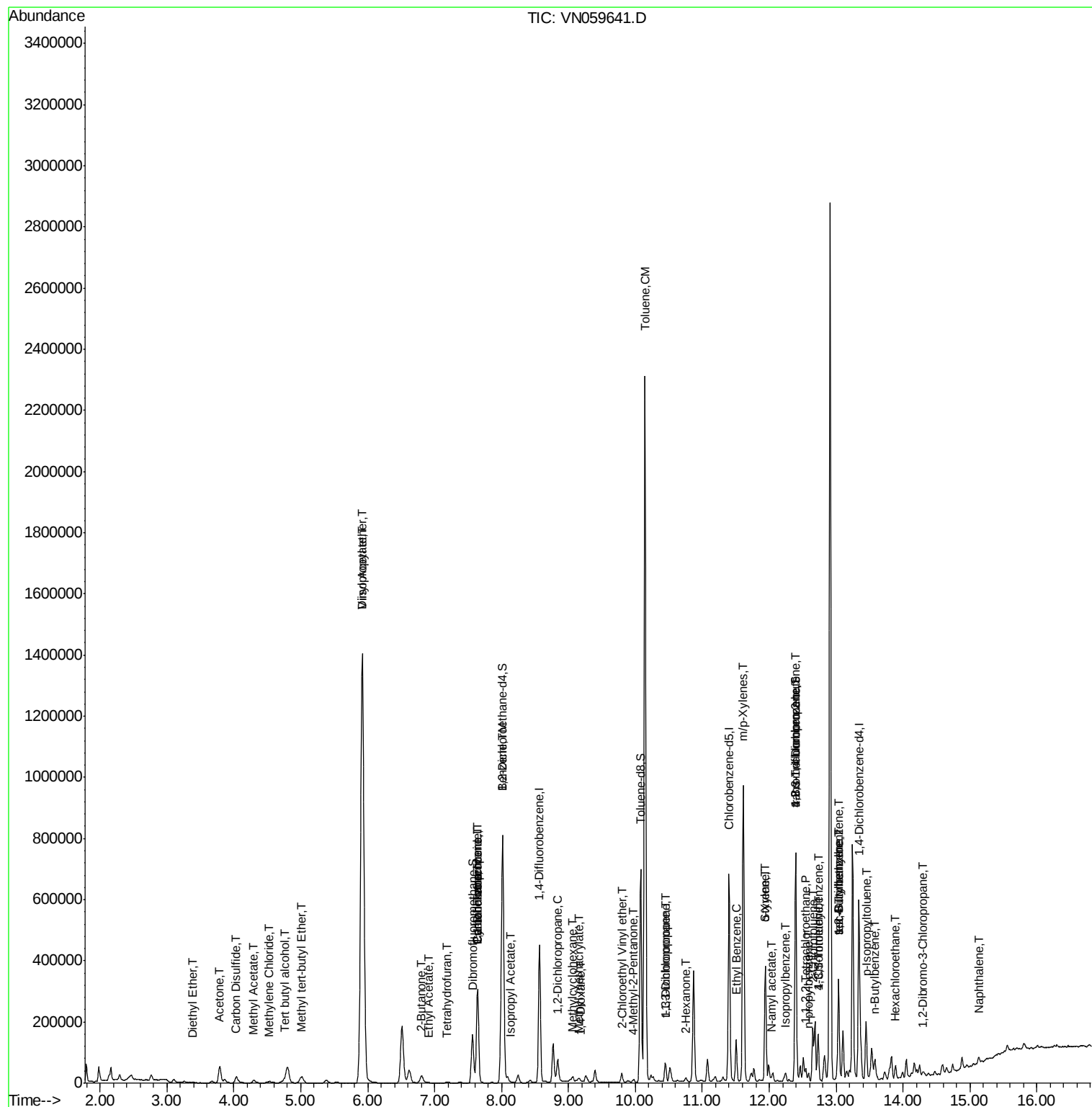
76) 1,2,3-Trichloropropane	12.40	75	89321	24.343	ug/l #	100
78) n-propylbenzene	12.59	91	18122	1.318	ug/l	97
79) 2-Chlorotoluene	12.65	91	13057	1.570	ug/l #	60
80) 1,3,5-Trimethylbenzene	12.73	105	80318	8.157	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	89321	60.124	ug/l #	14
82) 4-Chlorotoluene	12.73	91	9527	1.119	ug/l #	42
83) tert-Butylbenzene	13.04	119	22434	2.690	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.04	105	181012	18.488	ug/l	100
85) sec-Butylbenzene	13.04	105	181012	16.319	ug/l #	57
86) p-Isopropyltoluene	13.44	119	5273	0.525	ug/l	94
89) n-Butylbenzene	13.58	91	2649	0.281	ug/l #	1
90) Hexachloroethane	13.89	117	2663	1.402	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.28	75	65	1.687	ug/l #	6
95) Naphthalene	15.12	128	9749	0.975	ug/l	99

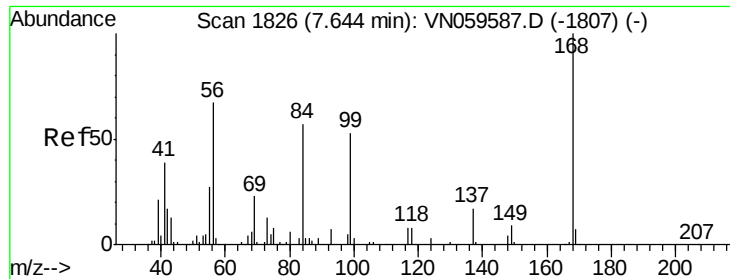
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
Data File : VN059641.D
Acq On : 17 Dec 2019 21:22
Operator : JC/SP
Sample : K6309-02 50X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
30785

Quant Time: Dec 18 05:51:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059641.D

Acq: 17 Dec 2019 21:22

Instrument :

MSVOA_N

ClientSampled :

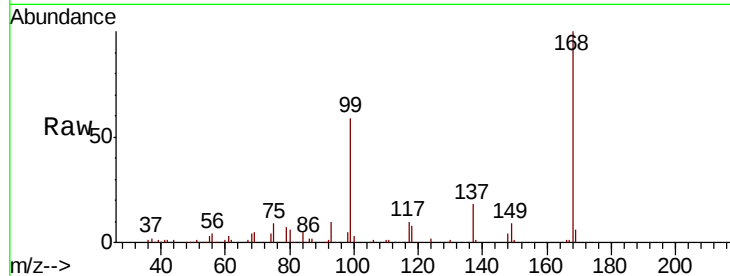
30785

Tot Ion:168 Resp: 234104

Ion Ratio Lower Upper

168 100

99 59.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

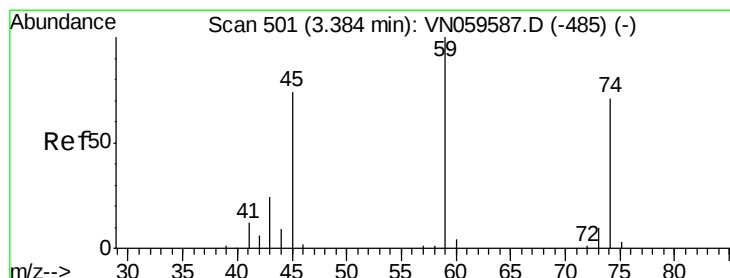
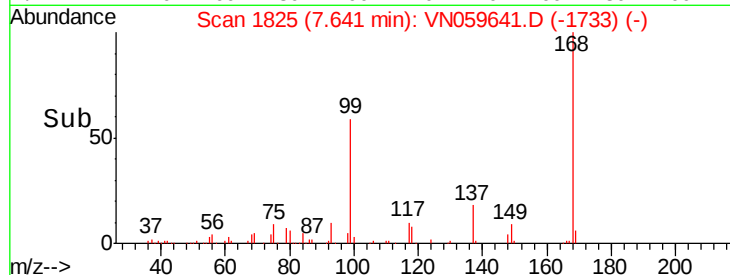
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#8

Diethyl Ether

Concen: 0.331 ug/l

RT: 3.38 min Scan# 500

Delta R.T. -0.00 min

Lab File: VN059641.D

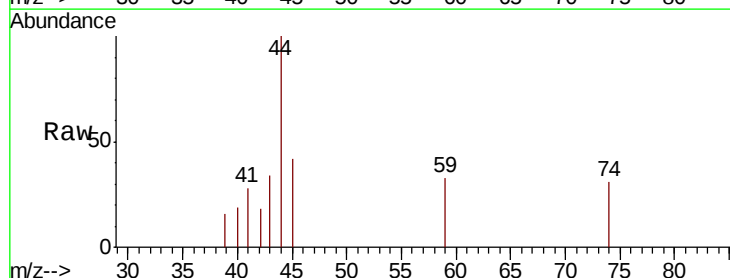
Acq: 17 Dec 2019 21:22

Tgt Ion: 74 Resp: 516

Ion Ratio Lower Upper

74 100

45 168.0 51.9 155.8#



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

500

400

300

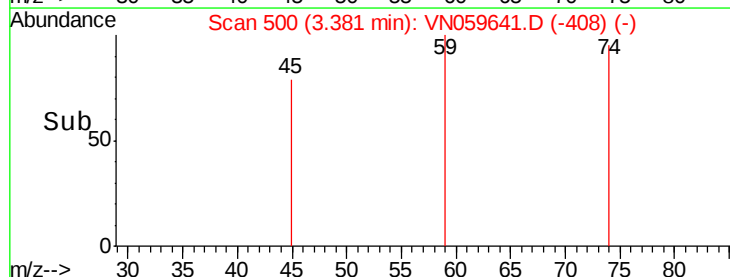
200

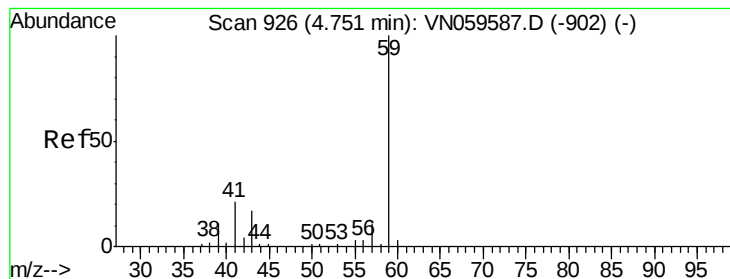
100

0

3.36 3.38 3.40

Time-->



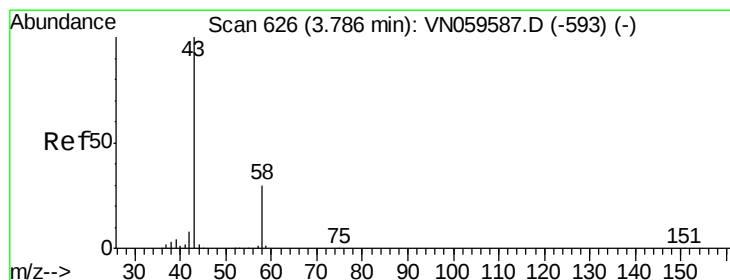
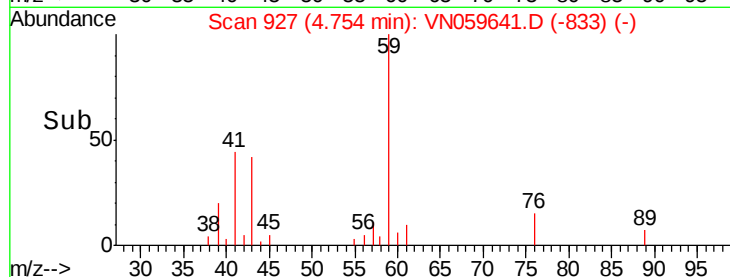
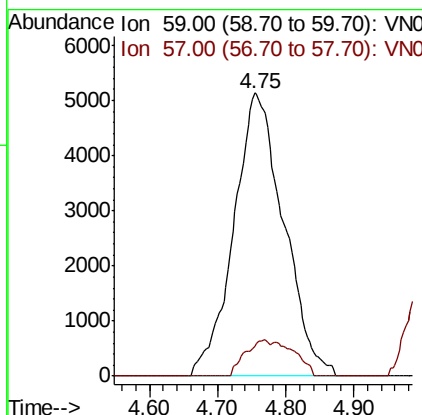
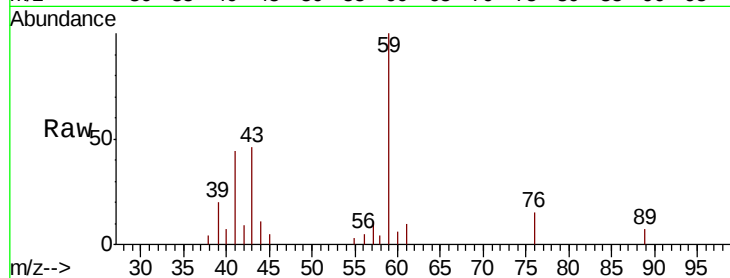


#11

Tert butyl alcohol
 Concen: 41.772 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN059641.D
 Acq: 17 Dec 2019 21:22

Instrument :
 MSVOA_N
 ClientSampleId :
 30785

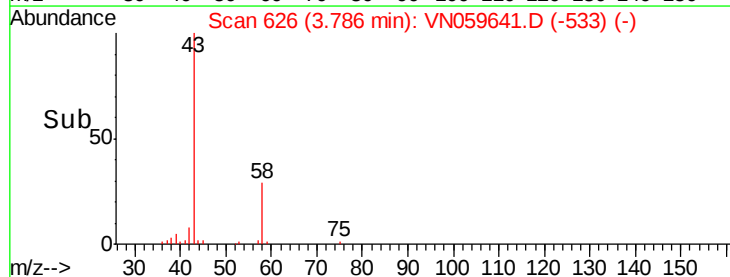
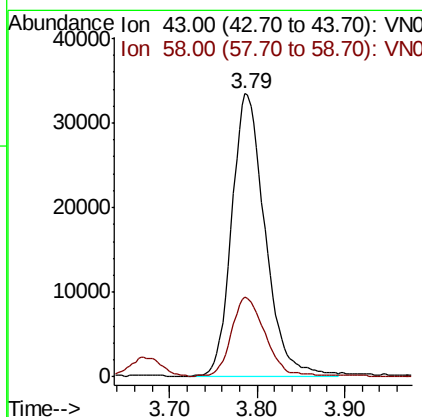
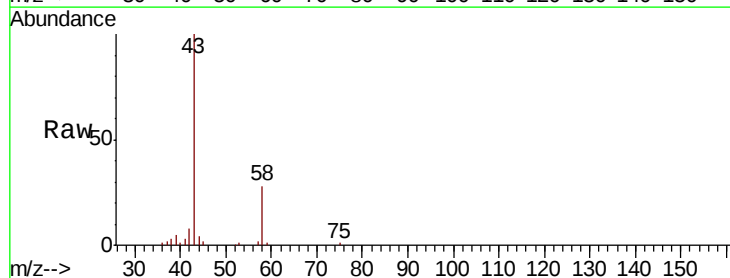
Tot Ion: 59 Resp: 26088
 Ion Ratio Lower Upper
 59 100
 57 6.2 8.6 12.8#

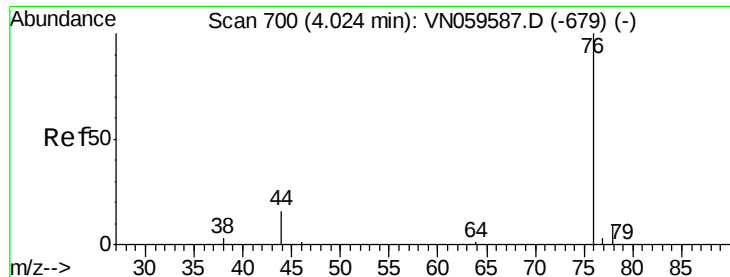


#16

Acetone
 Concen: 43.989 ug/l
 RT: 3.79 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: VN059641.D
 Acq: 17 Dec 2019 21:22

Tgt Ion: 43 Resp: 88967
 Ion Ratio Lower Upper
 43 100
 58 28.4 23.6 35.4

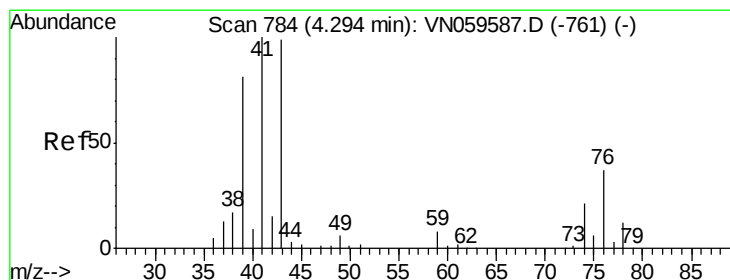
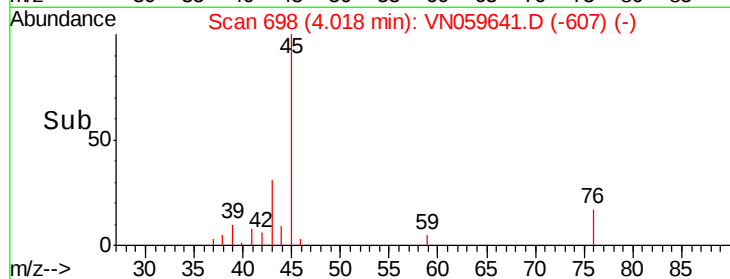
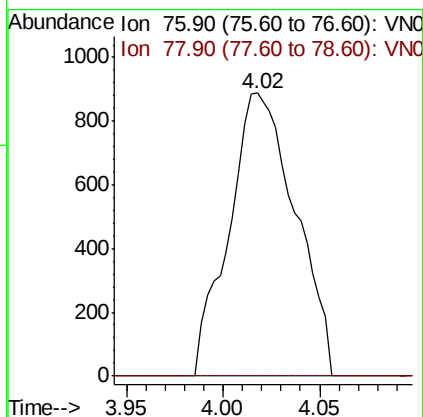
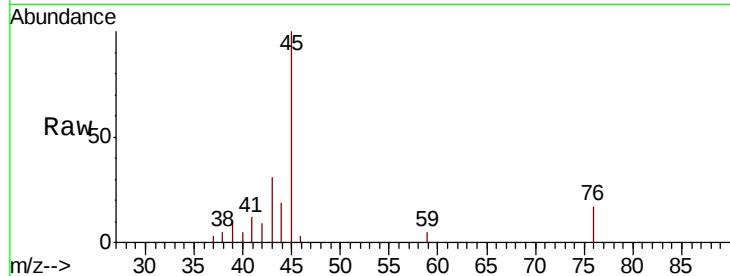




#17
Carbon Disulfide
Concen: 2.114 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.01 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

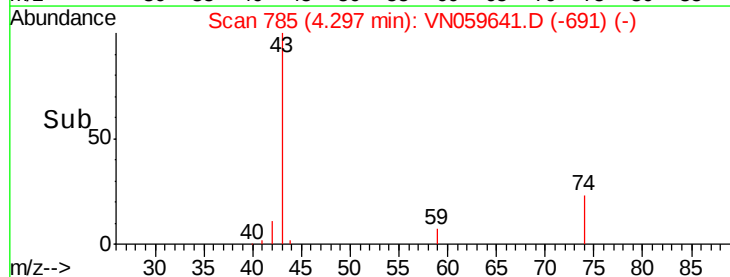
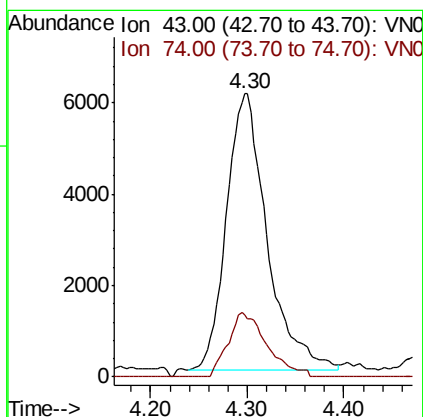
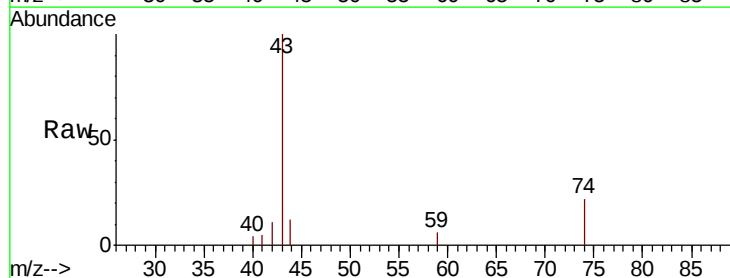
Instrument :
MSVOA_N
ClientSampleId :
30785

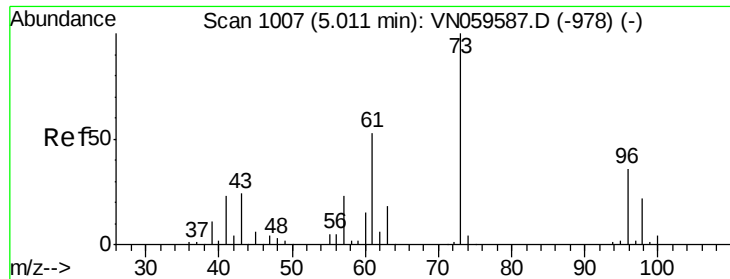
Tot Ion: 76 Resp: 2119
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 4.164 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

Tgt Ion: 43 Resp: 17645
Ion Ratio Lower Upper
43 100
74 22.3 17.5 26.3

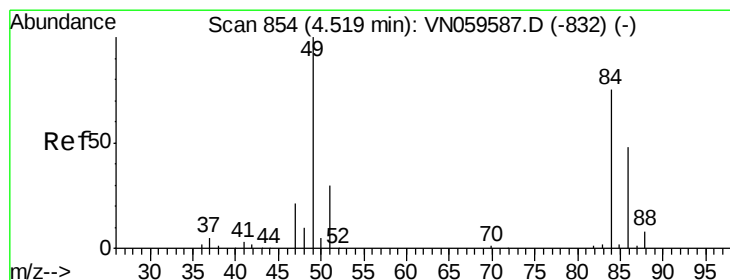
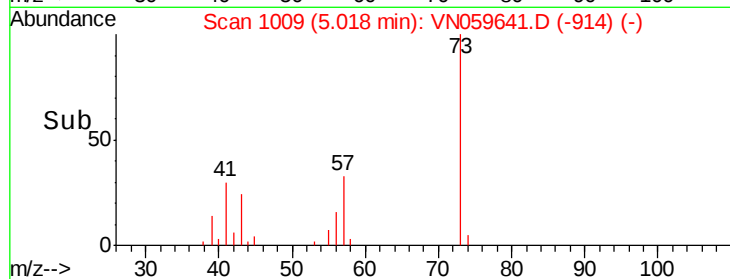
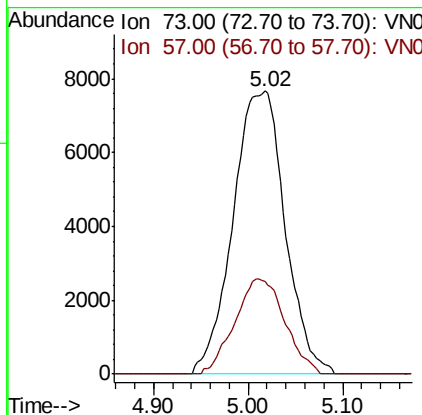
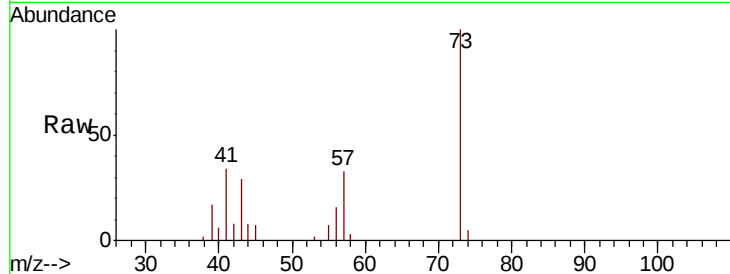




#19
Methvl tert-butvl Ether
Concen: 3.376 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.01 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

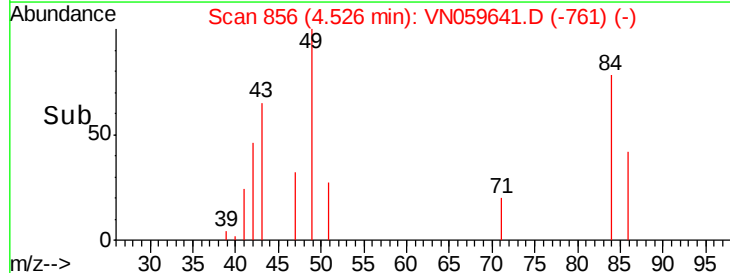
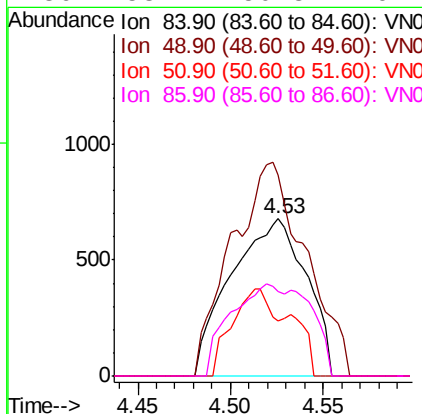
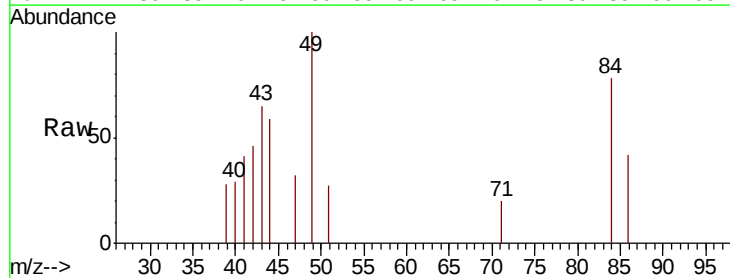
Instrument :
MSVOA_N
ClientSampleId :
30785

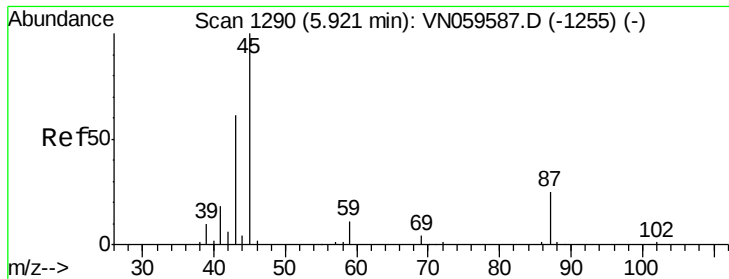
Tot Ion: 73 Resp: 29270
Ion Ratio Lower Upper
73 100
57 32.6 18.6 27.8#



#20
Methylene Chloride
Concen: 0.657 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

Tgt Ion: 84 Resp: 1919
Ion Ratio Lower Upper
84 100
49 128.0 106.6 160.0
51 34.7 31.9 47.9
86 53.4 50.8 76.2





#22

Diisopropyl ether

Concen: 7.204 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059641.D

Acq: 17 Dec 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

30785

Tot Ion: 45 Resp: 66944

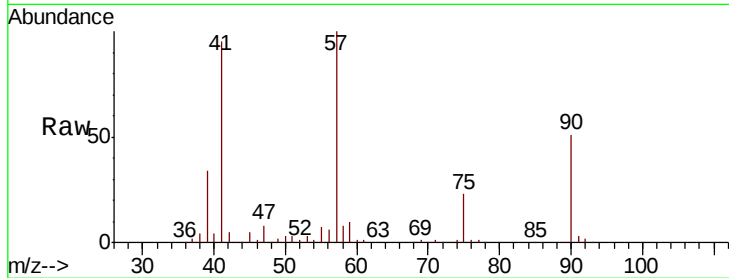
Ion Ratio Lower Upper

45 100

43 8.4 50.8 76.2#

87 0.0 21.0 31.6#

59 193.6 9.1 13.7#

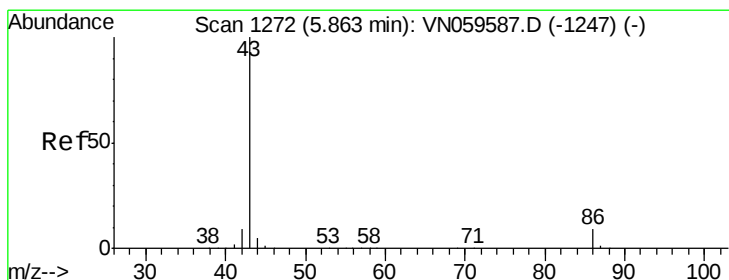
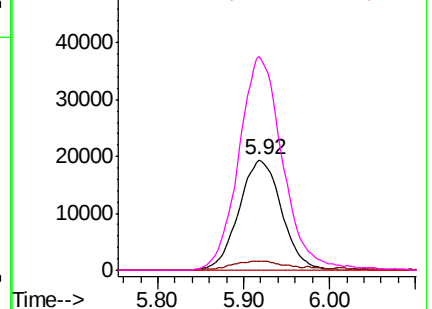
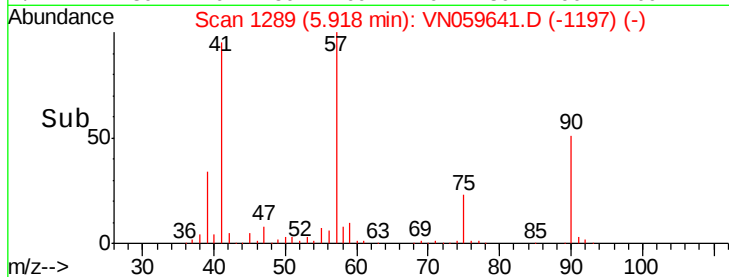


Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC



#23

Vinyl Acetate

Concen: 0.930 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.05 min

Lab File: VN059641.D

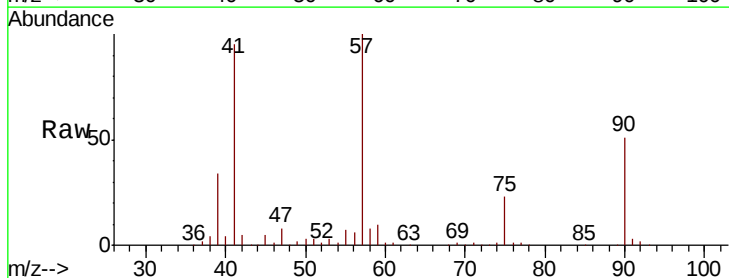
Acq: 17 Dec 2019 21:22

Tgt Ion: 43 Resp: 6781

Ion Ratio Lower Upper

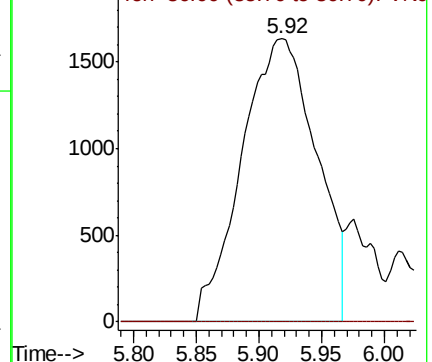
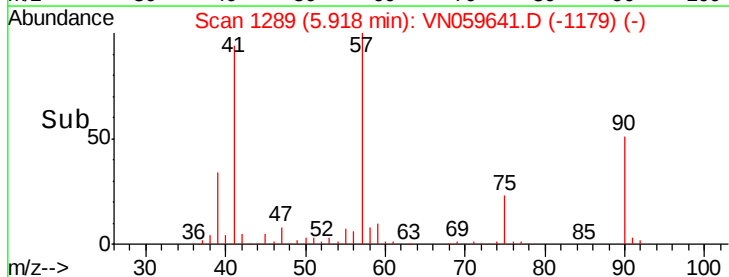
43 100

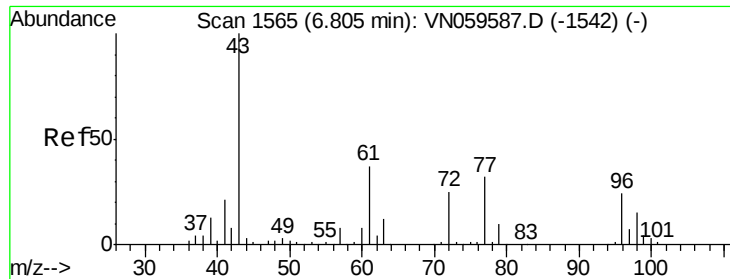
86 0.0 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 86.00 (85.70 to 86.70): VNC

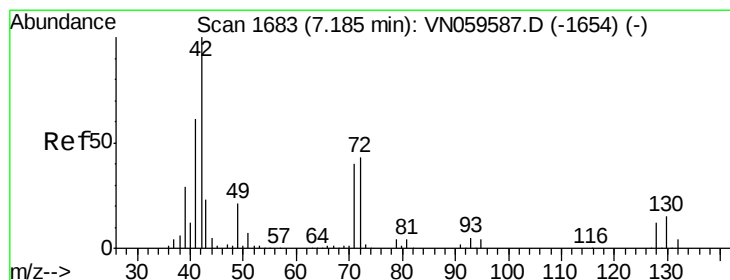
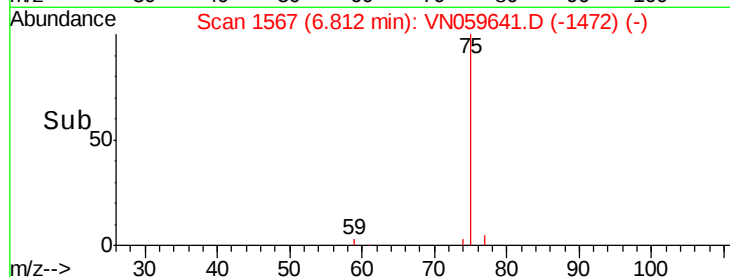
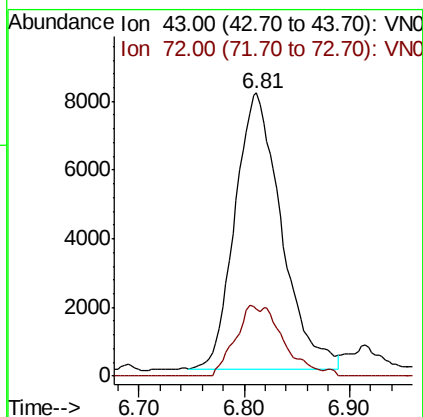
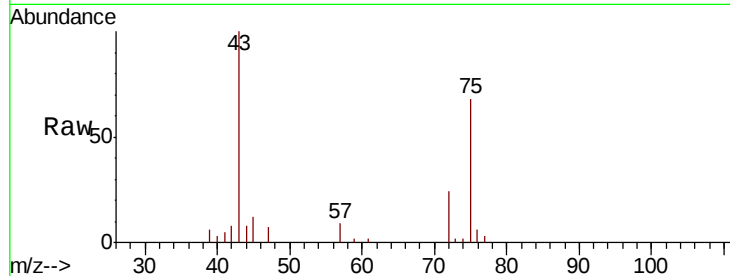




#25
2-Butanone
Concen: 10.164 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

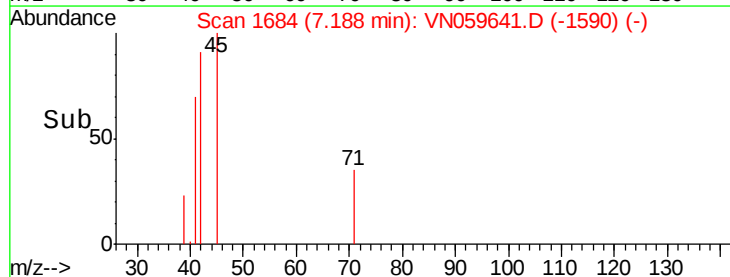
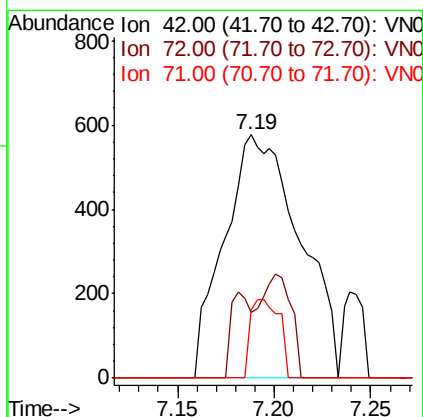
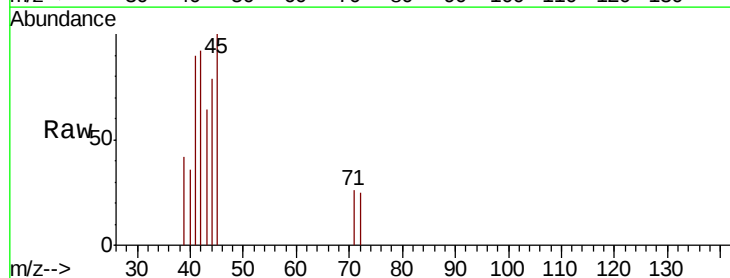
Instrument :
MSVOA_N
ClientSampled :
30785

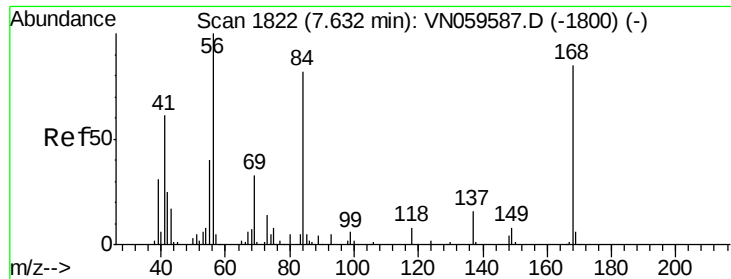
Tot Ion: 43 Resp: 24583
Ion Ratio Lower Upper
43 100
72 24.1 19.9 29.9



#29
Tetrahydrofuran
Concen: 1.063 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

Tgt Ion: 42 Resp: 1566
Ion Ratio Lower Upper
42 100
72 15.3 33.1 49.7#
71 12.4 31.4 47.0#

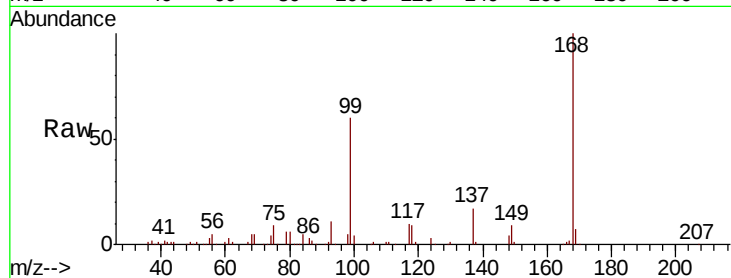




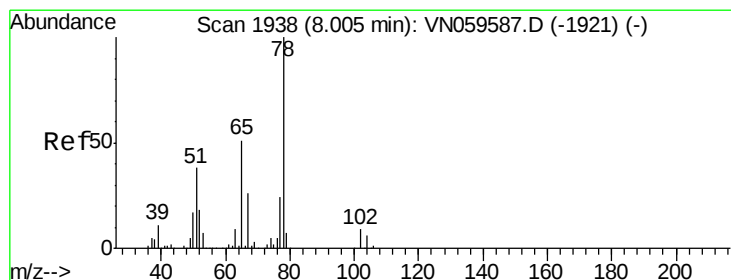
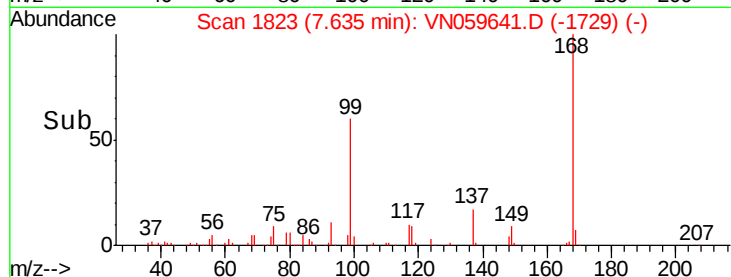
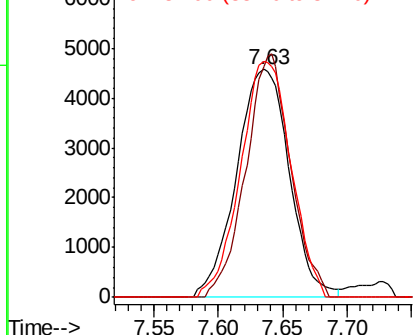
#31
Cyclohexane
Concen: 2.622 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

Instrument :
MSVOA_N
ClientSampled :
30785

Tot Ion: 56 Resp: 13043
Ion Ratio Lower Upper
56 100
69 101.3 26.5 39.7#
84 103.7 65.3 97.9#

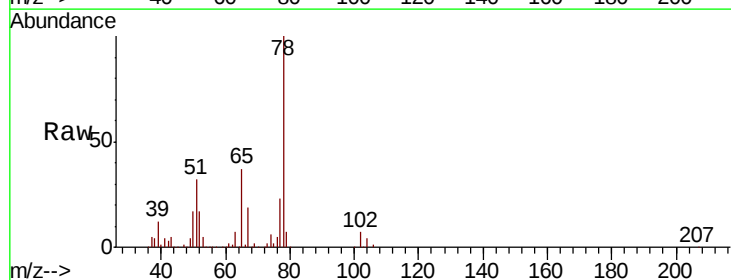


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

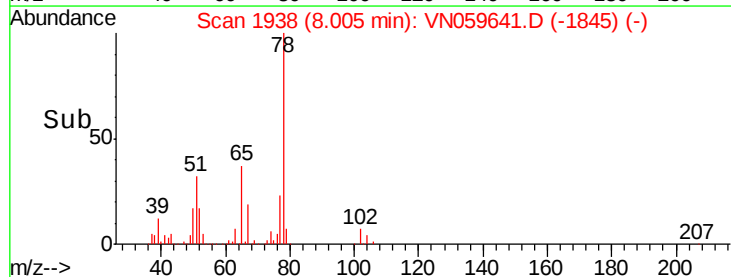
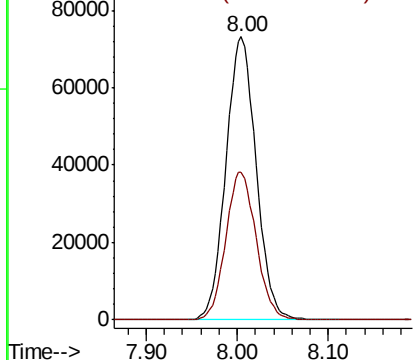


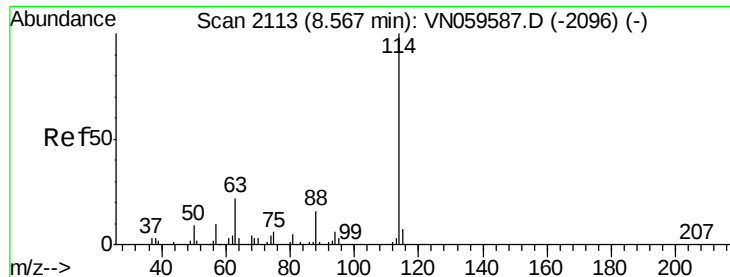
#33
1,2-Dichloroethane-d4
Concen: 49.569 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

Tgt Ion: 65 Resp: 168861
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.0



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

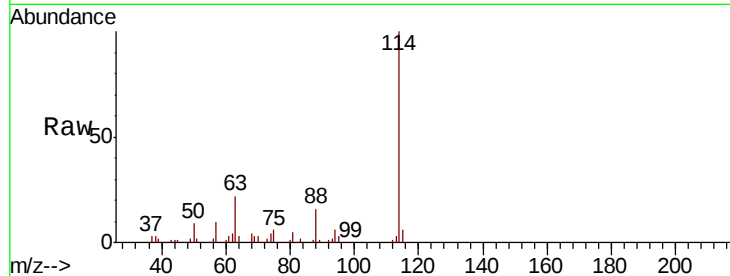




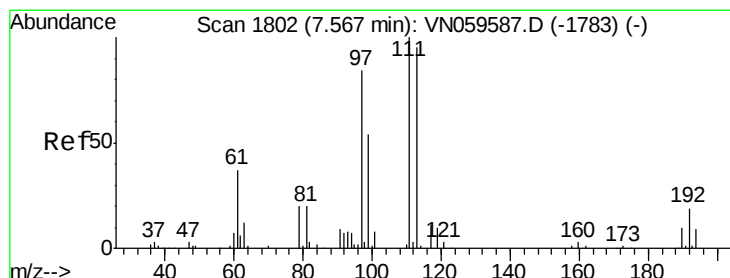
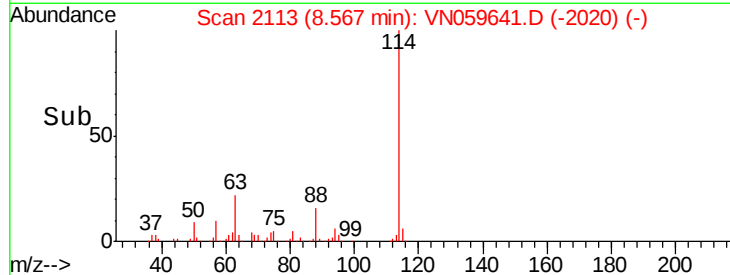
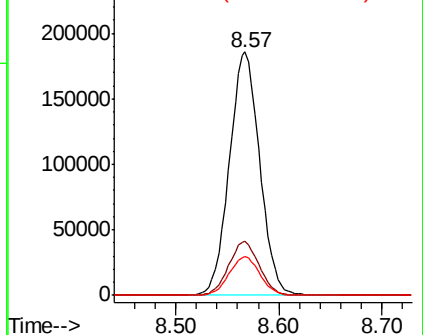
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
30785

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.6
88	16.0	0.0	31.4

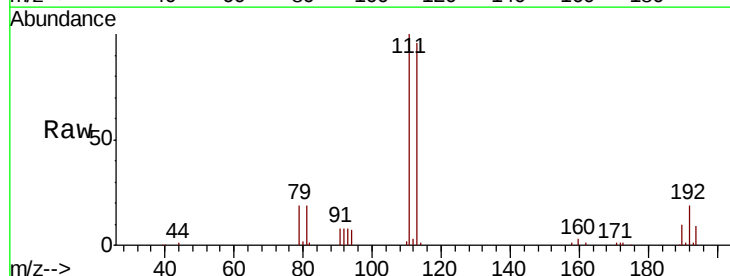


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

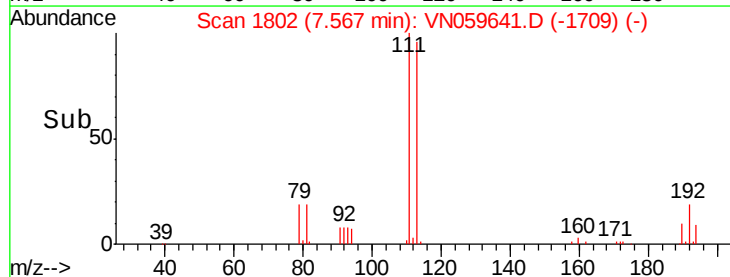
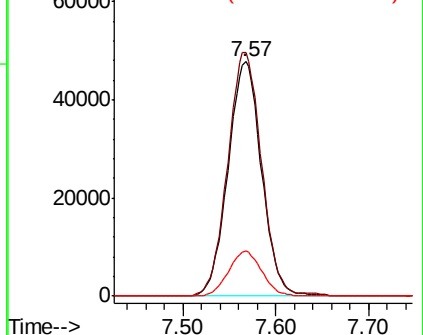


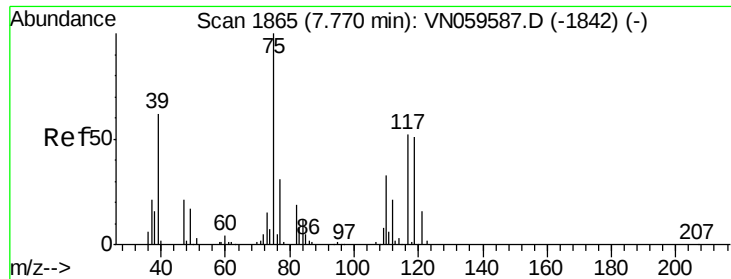
#35
Dibromofluoromethane
Concen: 50.328 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.5	125.3
192	19.1	15.4	23.2



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

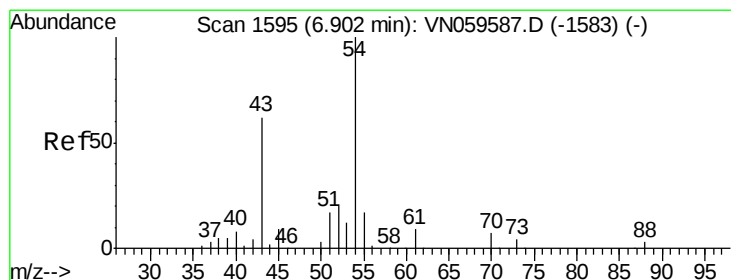
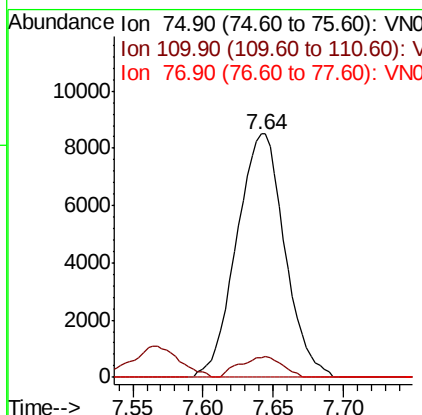
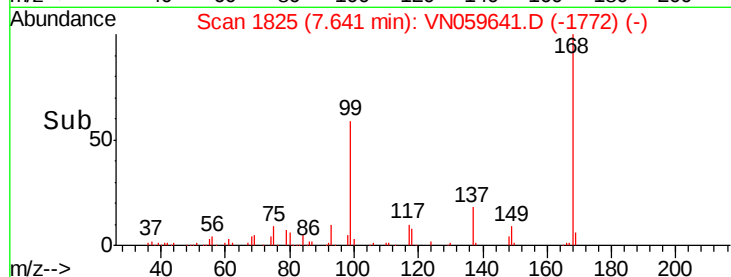
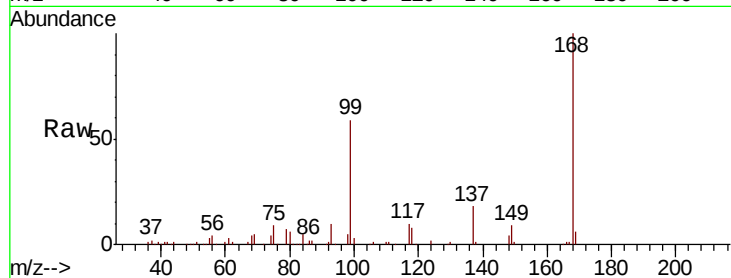




#36
 1,1-Dichloropropene
 Concen: 5.102 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059641.D
 Acq: 17 Dec 2019 21:22

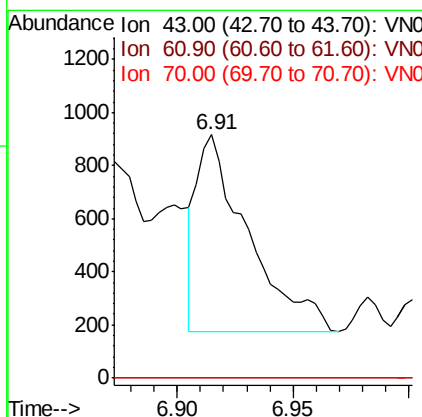
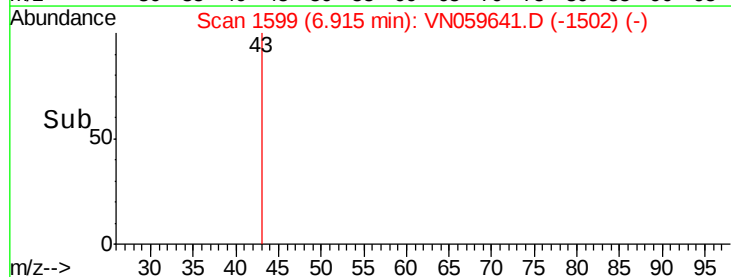
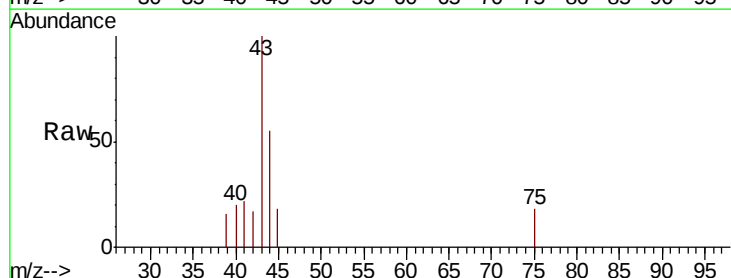
Instrument :
 MSVOA_N
 ClientSampled :
 30785

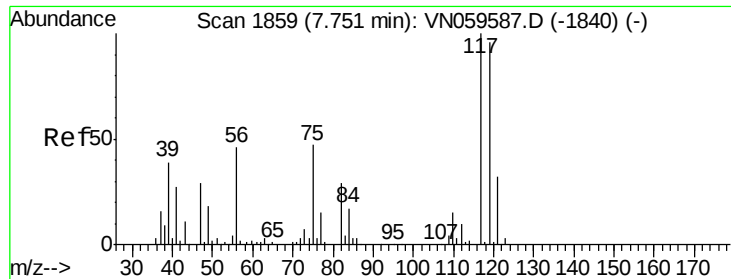
Tot Ion: 75 Resp: 20252
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.6 49.7#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 0.247 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: VN059641.D
 Acq: 17 Dec 2019 21:22

Tgt Ion: 43 Resp: 1140
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 5.646 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059641.D

Acq: 17 Dec 2019 21:22

Instrument :

MSVOA_N

ClientSampled :

30785

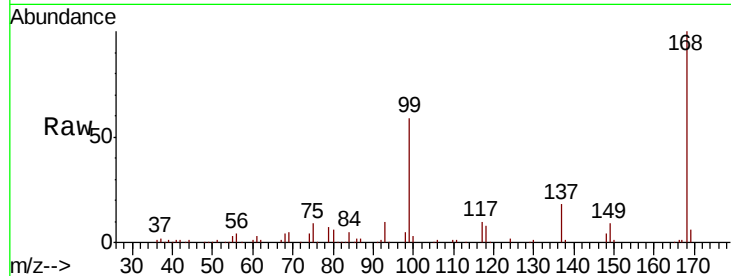
Tot Ion:117 Resp: 23258

Ion Ratio Lower Upper

117 100

119 5.1 76.5 114.7#

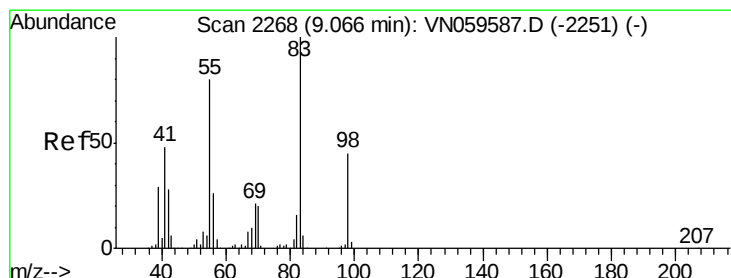
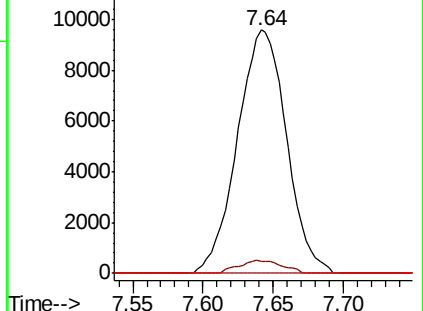
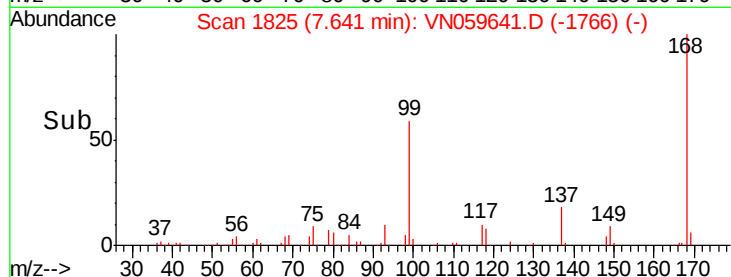
121 0.0 25.1 37.7#



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: 1.502 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VN059641.D

Acq: 17 Dec 2019 21:22

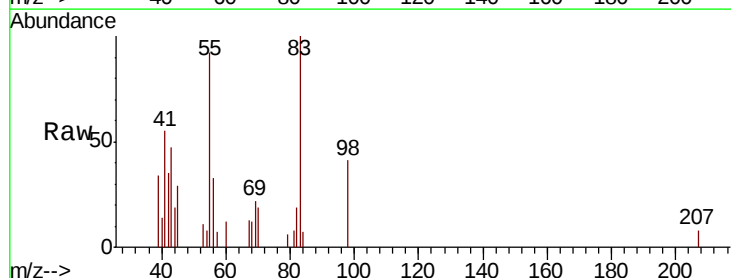
Tgt Ion: 83 Resp: 6761

Ion Ratio Lower Upper

83 100

55 92.2 64.2 96.2

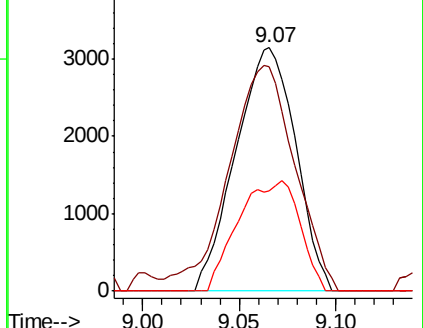
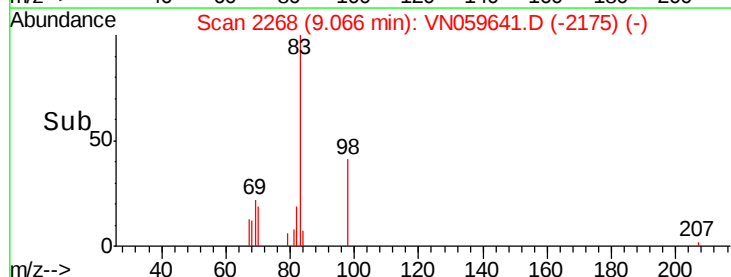
98 41.2 35.9 53.9

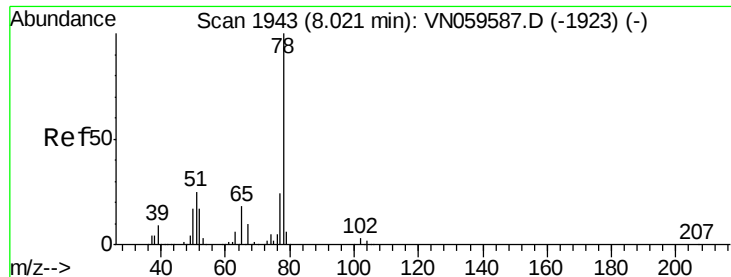


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 60.251 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN059641.D

Acq: 17 Dec 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

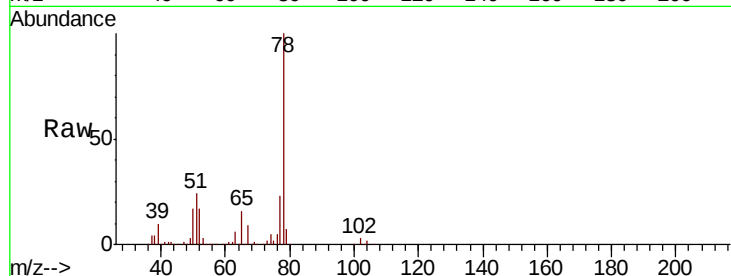
30785

Tot Ion: 78 Resp: 698944

Ion Ratio Lower Upper

78 100

77 23.0 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.02

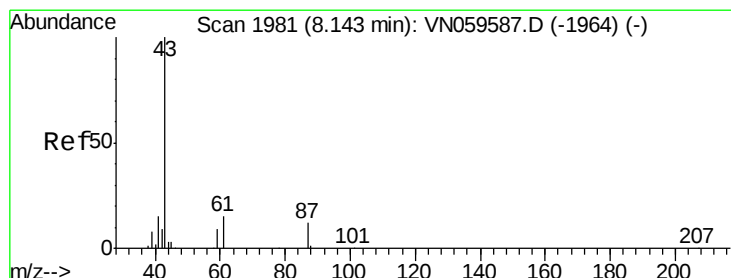
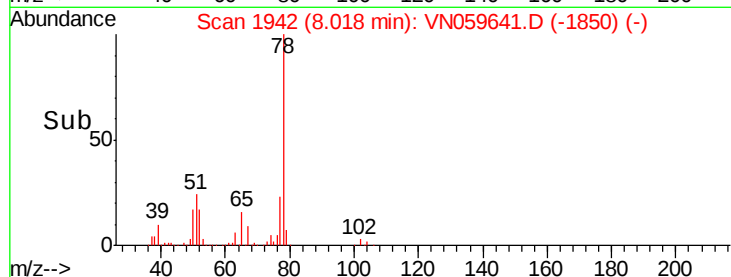
300000

200000

100000

0

Time-->



#43

Isopropyl Acetate

Concen: 0.271 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VN059641.D

Acq: 17 Dec 2019 21:22

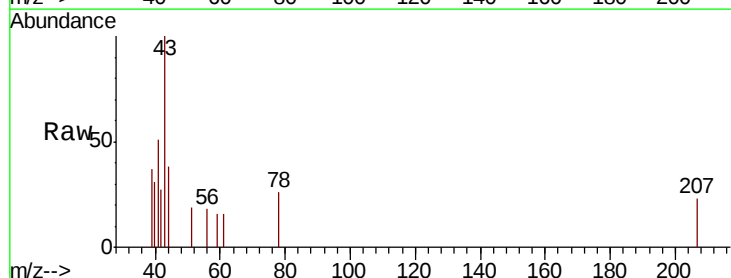
Tgt Ion: 43 Resp: 1946

Ion Ratio Lower Upper

43 100

61 0.0 20.2 30.2#

87 0.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

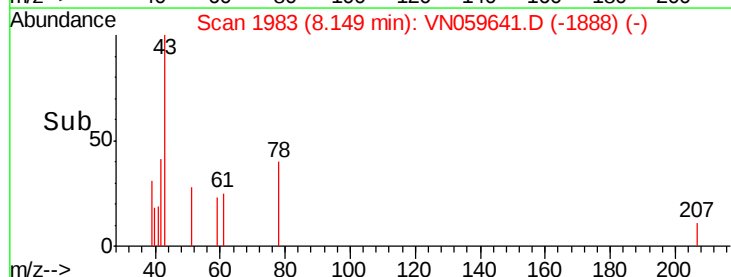
3000

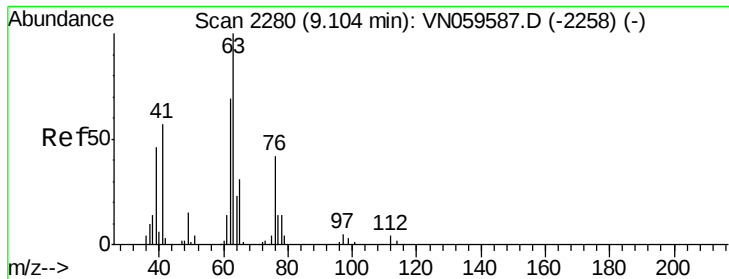
2000

1000

0

Time-->





#45

1,2-Dichloropropane

Concen: 0.352 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.27 min

Lab File: VN059641.D

Acq: 17 Dec 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

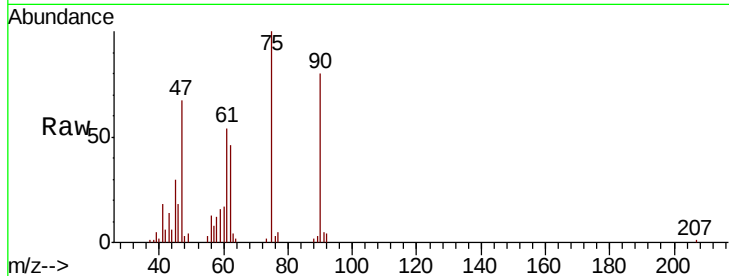
30785

Tot Ion: 63 Resp: 1103

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

8.84

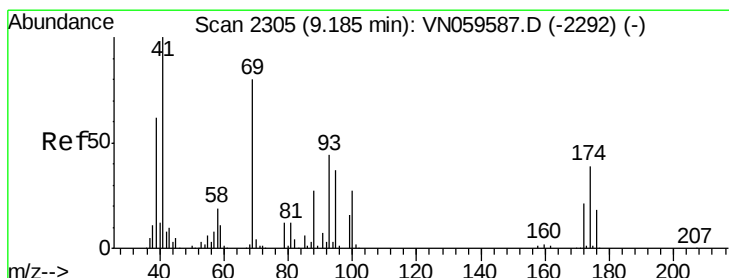
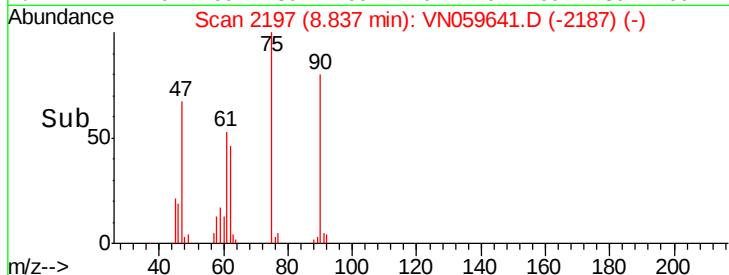
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.362 ug/l

RT: 9.15 min Scan# 2295

Delta R.T. -0.03 min

Lab File: VN059641.D

Acq: 17 Dec 2019 21:22

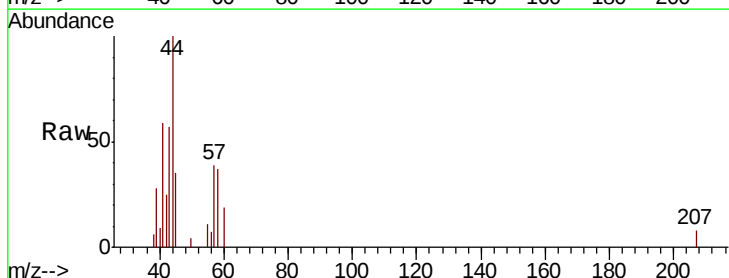
Tgt Ion: 41 Resp: 4434

Ion Ratio Lower Upper

41 100

69 0.0 64.4 96.6#

39 47.1 51.3 76.9#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

2500

2000

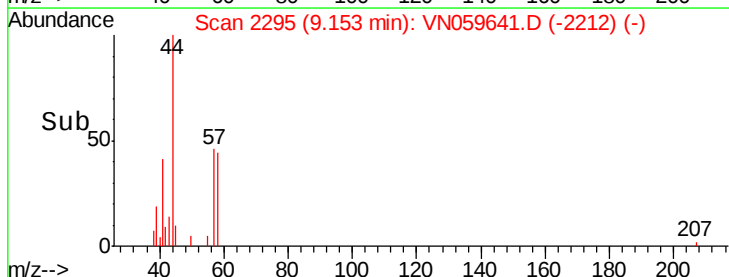
1500

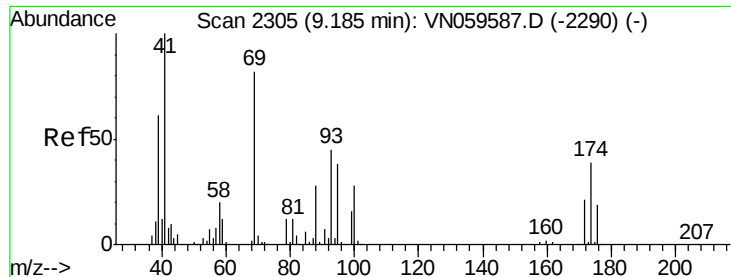
1000

500

0

Time-->

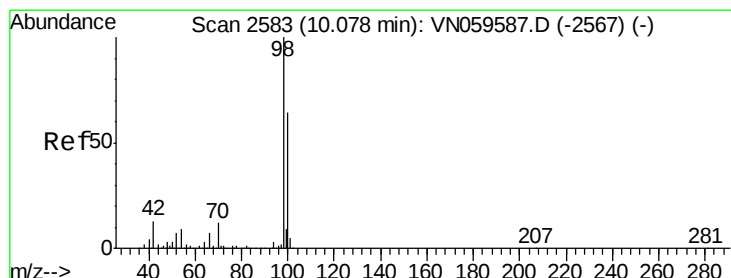
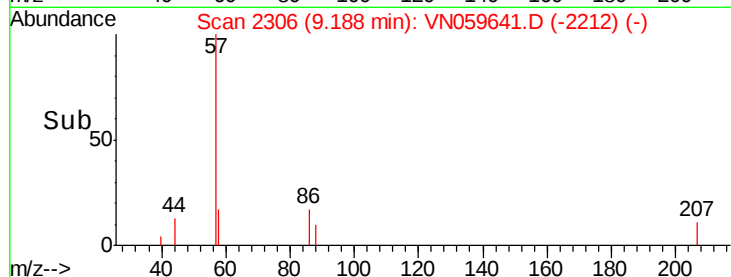
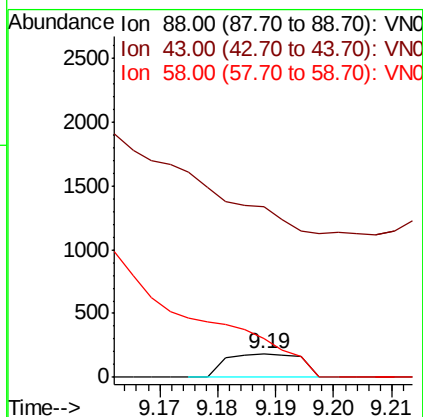
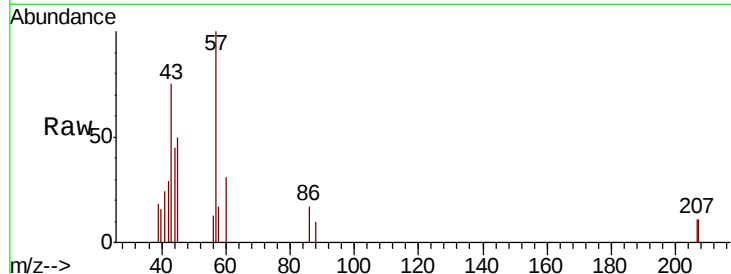




#49
 1,4-Dioxane
 Concen: 3.516 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN059641.D
 Acq: 17 Dec 2019 21:22

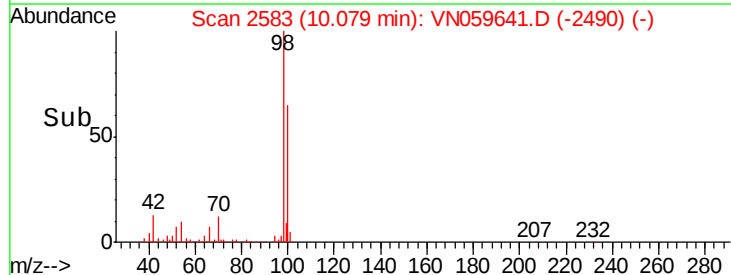
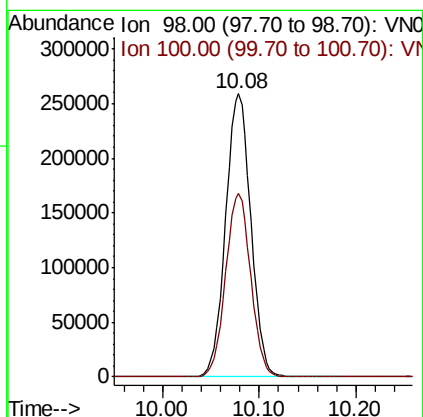
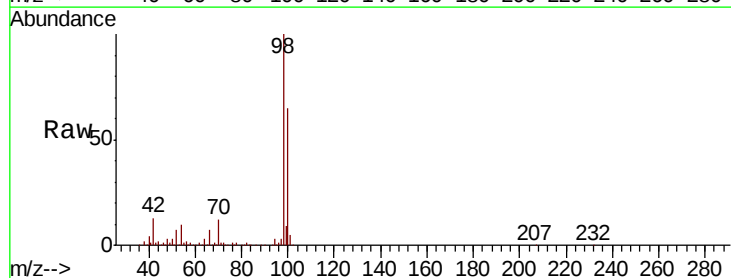
Instrument :
 MSVOA_N
 ClientSampled :
 30785

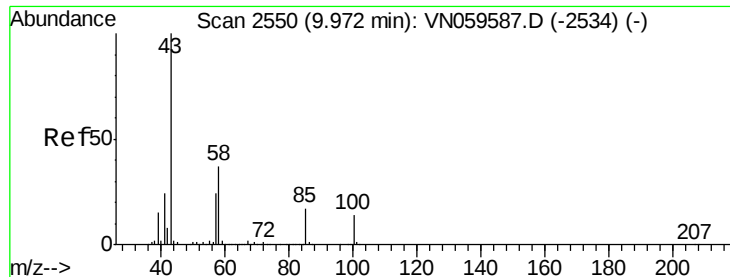
Tot Ion: 88 Resp: 164
 Ion Ratio Lower Upper
 88 100
 43 0.0 29.7 44.5#
 58 0.0 56.6 85.0#



#50
 Toluene-d8
 Concen: 49.770 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN059641.D
 Acq: 17 Dec 2019 21:22

Tgt Ion: 98 Resp: 469298
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.2 76.8

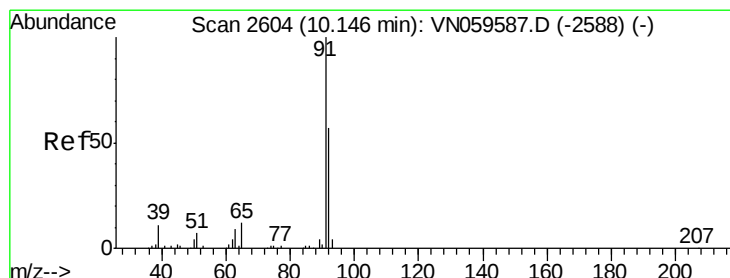
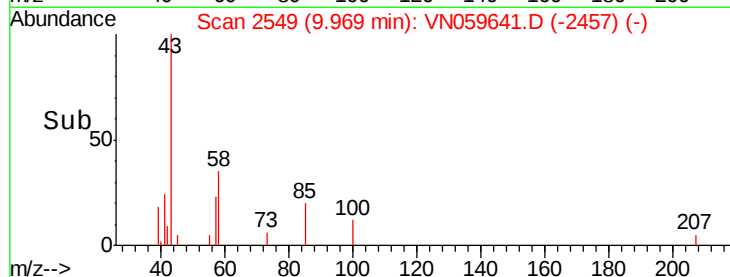
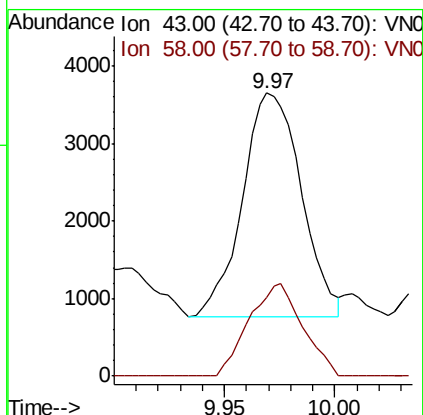
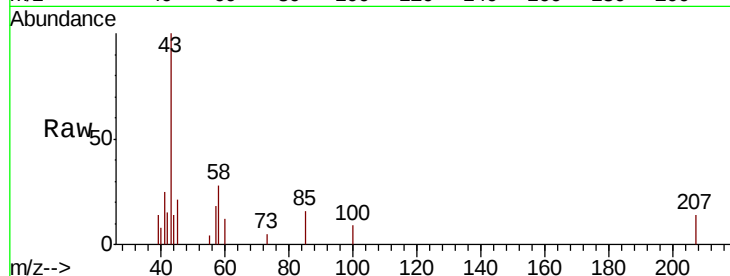




#51
4-Methyl-2-Pentanone
Concen: 1.238 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

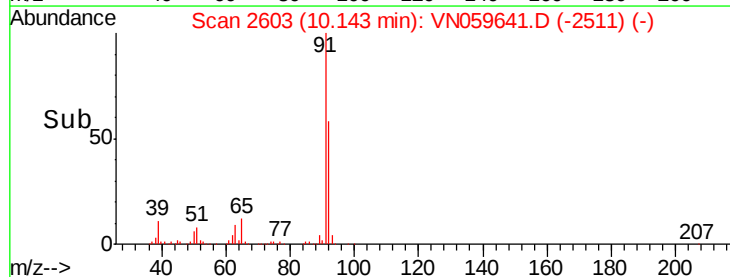
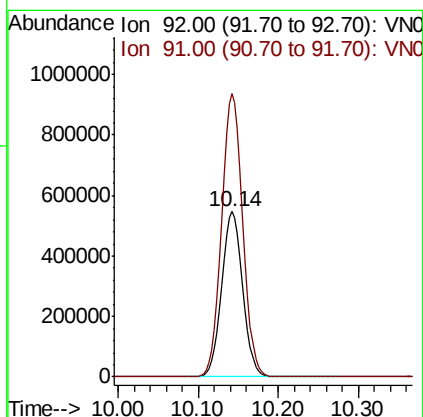
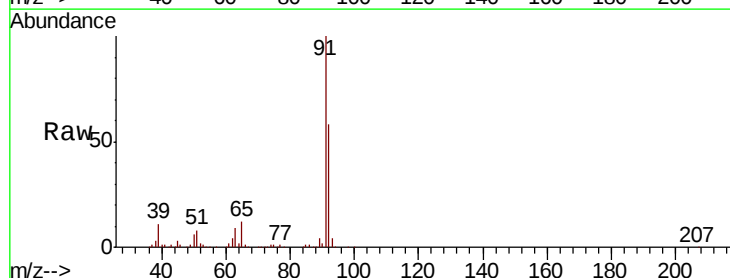
Instrument :
MSVOA_N
ClientSampleId :
30785

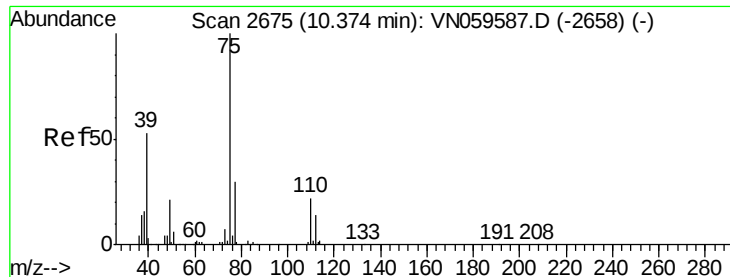
Tot Ion: 43 Resp: 5293
Ion Ratio Lower Upper
43 100
58 37.9 29.8 44.8



#52
Toluene
Concen: 138.767 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

Tgt Ion: 92 Resp: 989105
Ion Ratio Lower Upper
92 100
91 172.5 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 0.519 ug/l

RT: 10.45 min Scan# 2698

Delta R.T. 0.07 min

Lab File: VN059641.D

Acq: 17 Dec 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

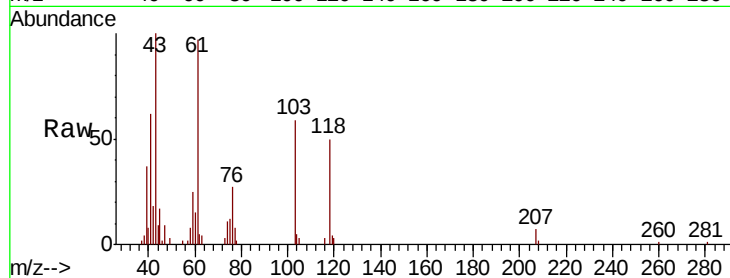
30785

Tot Ion: 75 Resp: 2458

Ion Ratio Lower Upper

75 100

77 47.9 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

1500

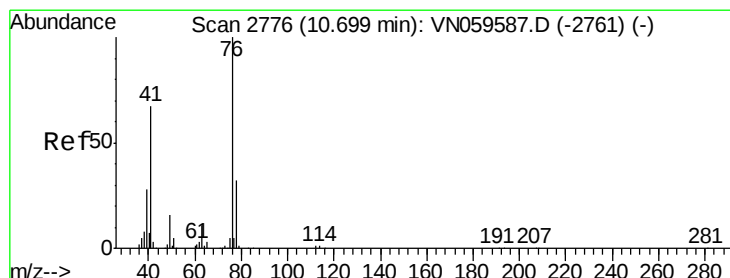
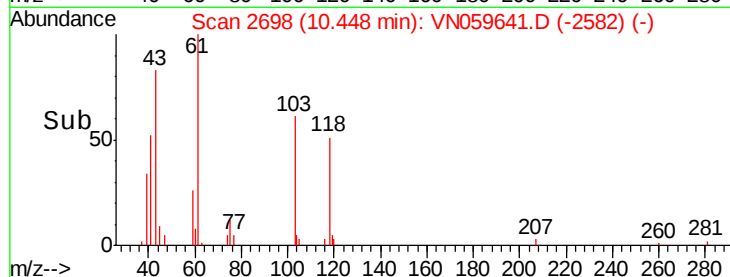
10.45

1000

500

0

Time-->



#57

1,3-Dichloropropane

Concen: 1.012 ug/l

RT: 10.45 min Scan# 2698

Delta R.T. -0.25 min

Lab File: VN059641.D

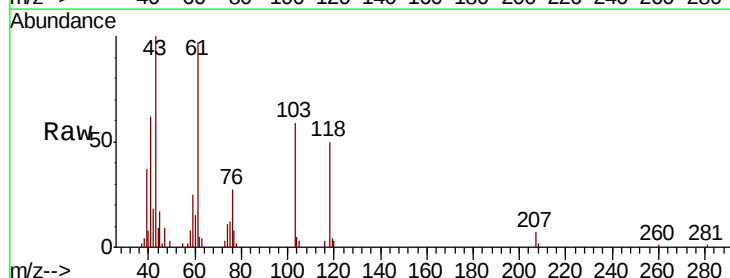
Acq: 17 Dec 2019 21:22

Tgt Ion: 76 Resp: 4928

Ion Ratio Lower Upper

76 100

78 5.6 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

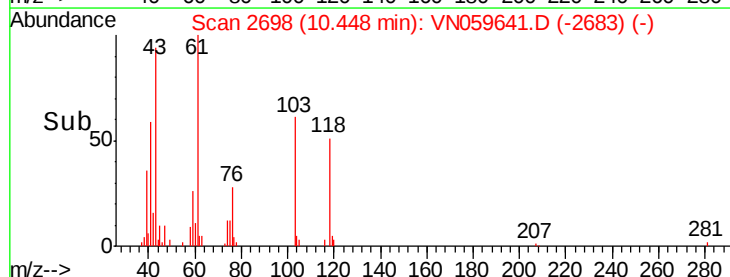
3000

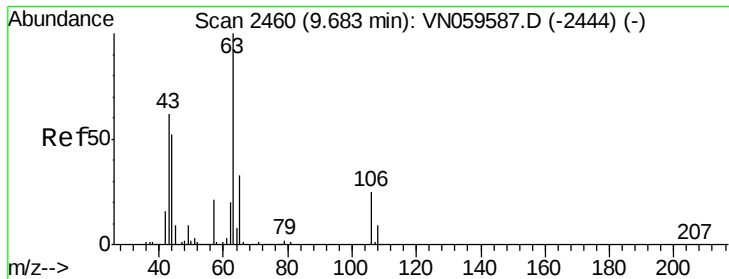
2000

1000

0

Time-->

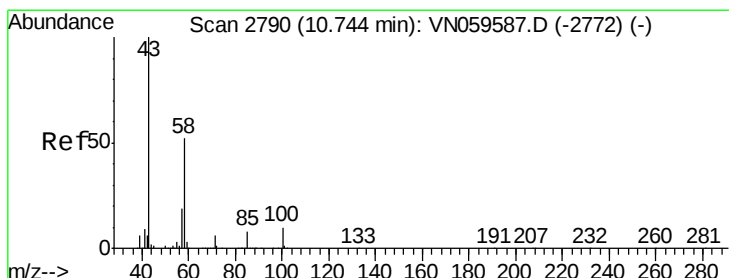
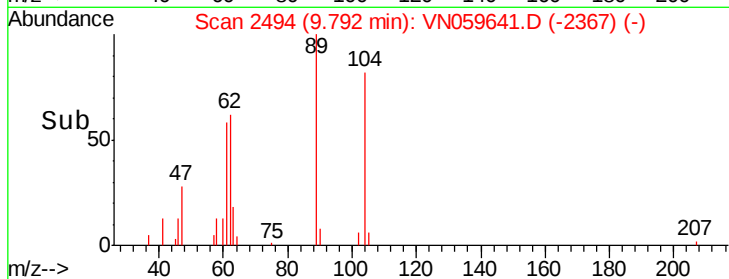
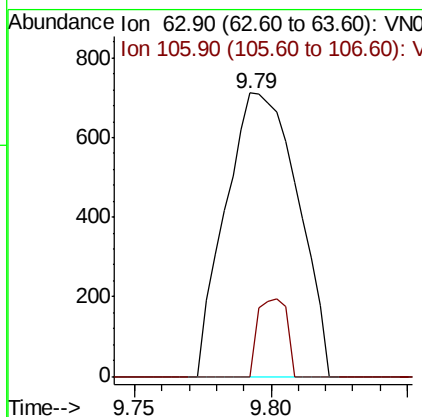
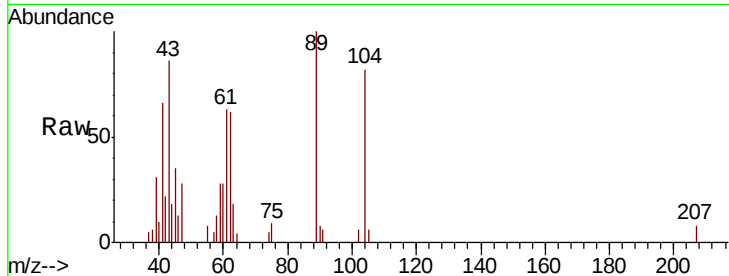




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.987 ug/l
 RT: 9.79 min Scan# 2494
 Delta R.T. 0.11 min
 Lab File: VN059641.D
 Acq: 17 Dec 2019 21:22

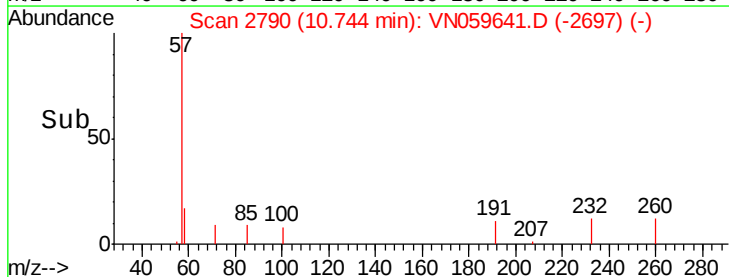
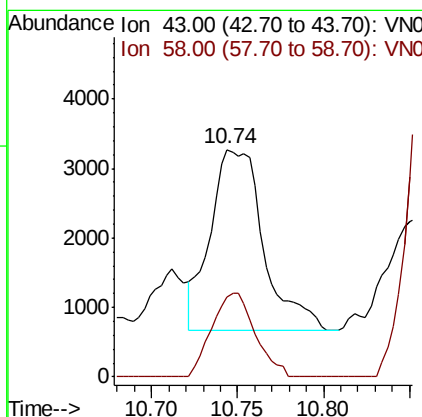
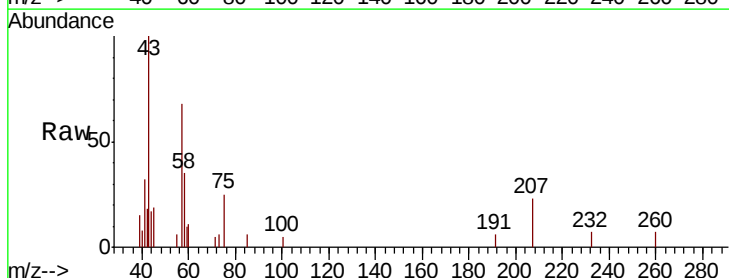
Instrument :
 MSVOA_N
 ClientSampled :
 30785

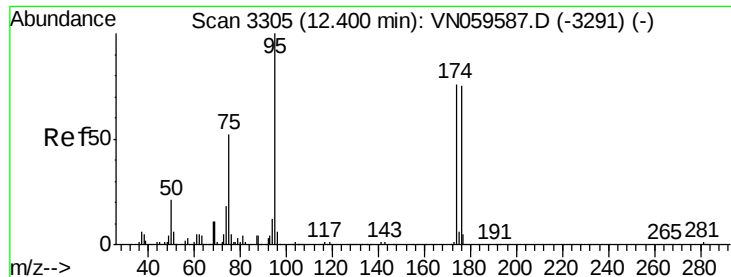
Tot Ion: 63 Resp: 1304
 Ion Ratio Lower Upper
 63 100
 106 10.7 20.2 30.2#



#59
 2-Hexanone
 Concen: 1.666 ug/l
 RT: 10.74 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VN059641.D
 Acq: 17 Dec 2019 21:22

Tgt Ion: 43 Resp: 5615
 Ion Ratio Lower Upper
 43 100
 58 37.7 25.8 77.3

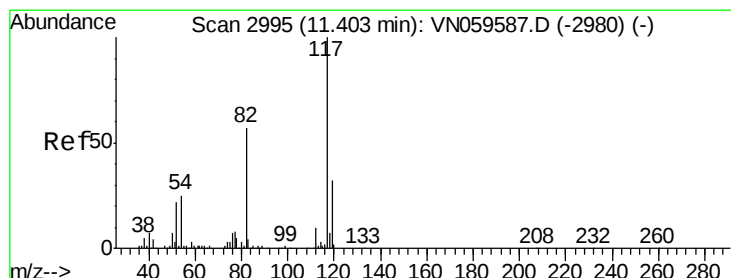
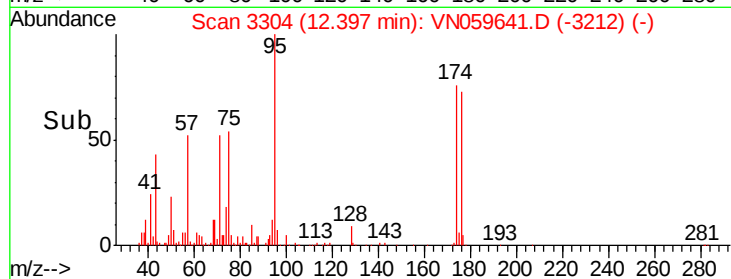
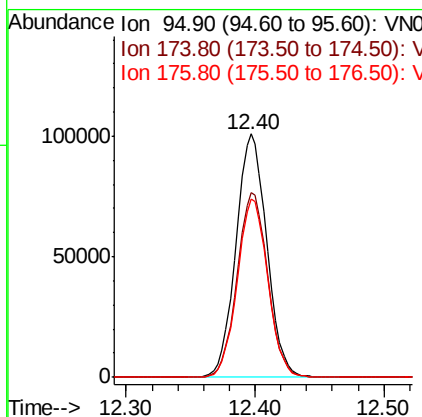
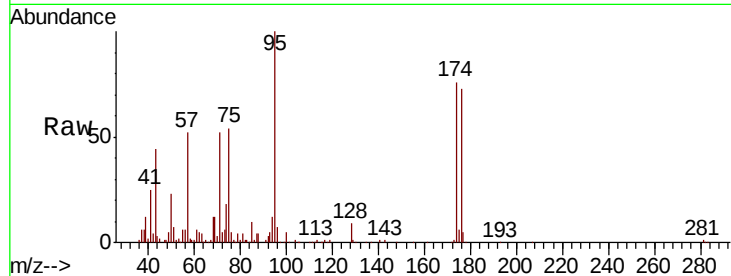




#62
4-Bromofluorobenzene
Concen: 48.650 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

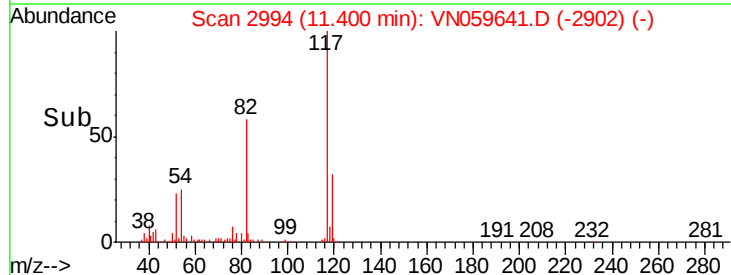
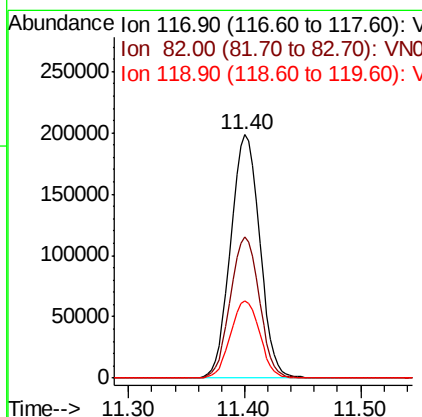
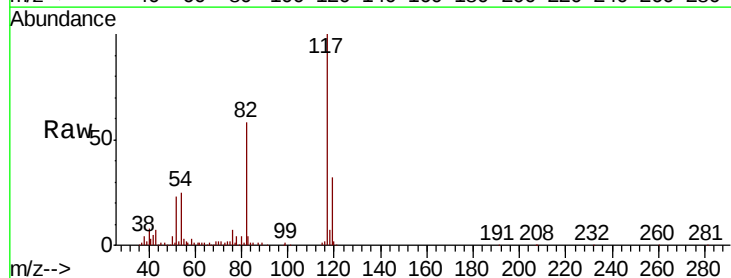
Instrument :
MSVOA_N
ClientSampled :
30785

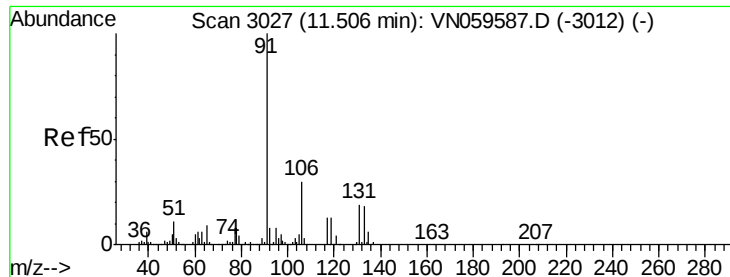
Tot Ion: 95 Resp: 167387
Ion Ratio Lower Upper
95 100
174 75.3 0.0 151.4
176 72.5 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

Tgt Ion: 117 Resp: 344051
Ion Ratio Lower Upper
117 100
82 57.8 45.9 68.9
119 31.8 25.5 38.3





#67

Ethyl Benzene

Concen: 7.282 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059641.D

Acq: 17 Dec 2019 21:22

Instrument :

MSVOA_N

ClientSampled :

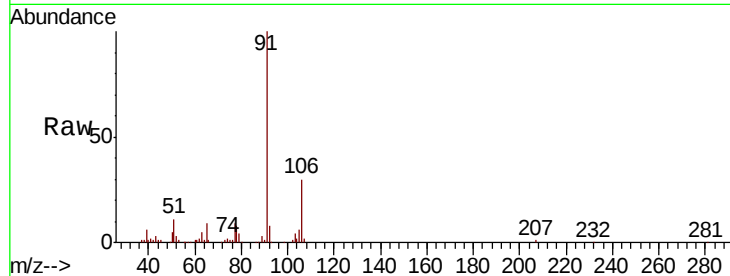
30785

Tot Ion: 91 Resp: 97857

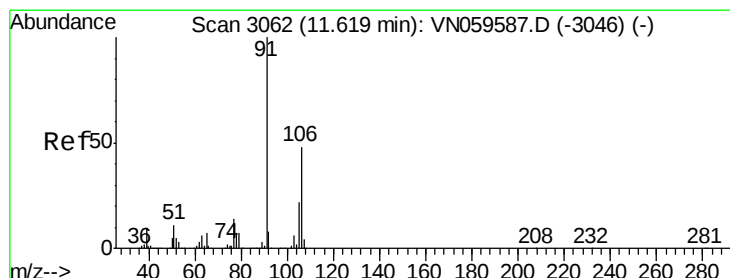
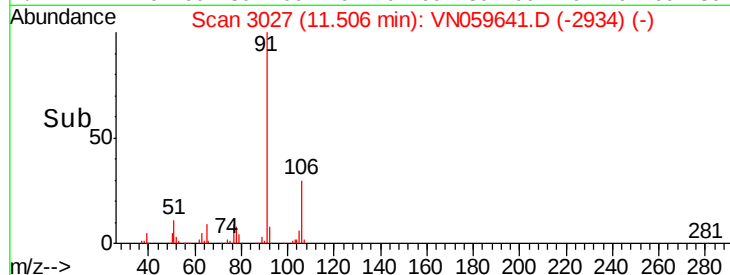
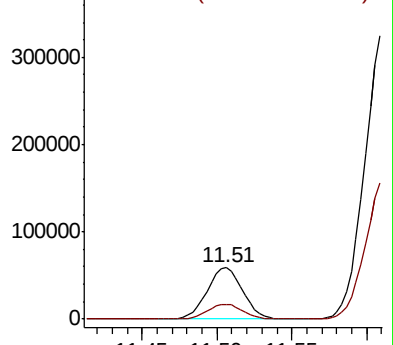
Ion Ratio Lower Upper

91 100

106 29.6 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)



#68

m/p-Xylenes

Concen: 57.542 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.01 min

Lab File: VN059641.D

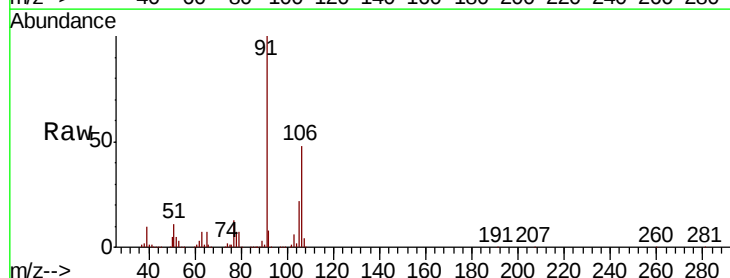
Acq: 17 Dec 2019 21:22

Tgt Ion: 106 Resp: 285526

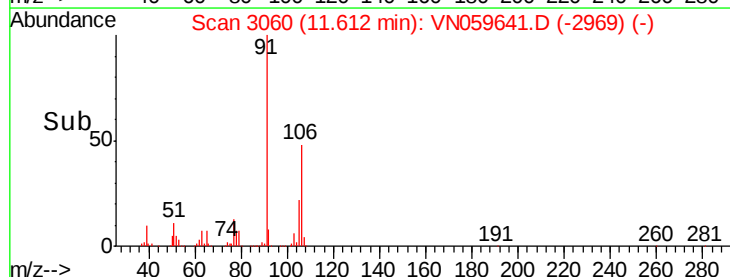
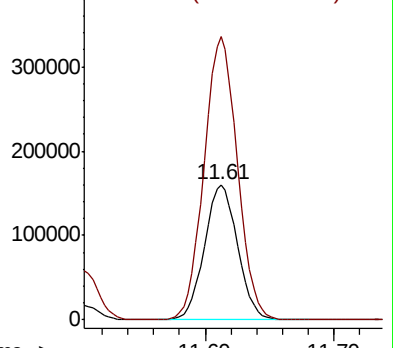
Ion Ratio Lower Upper

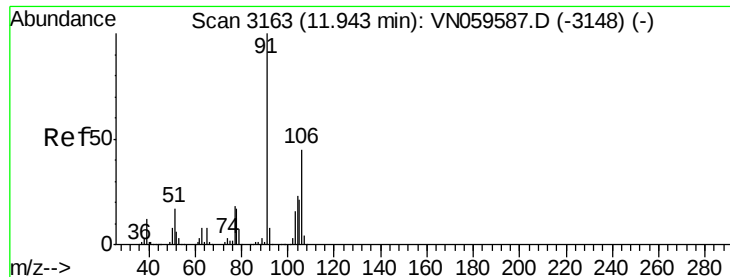
106 100

91 211.1 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

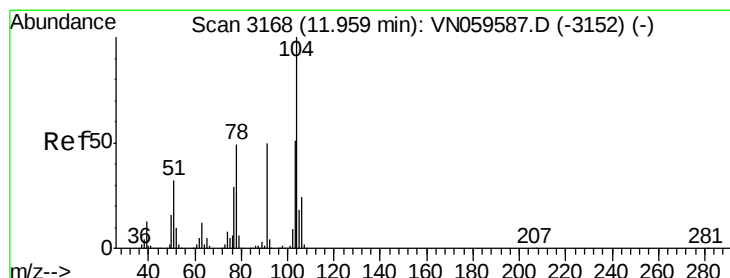
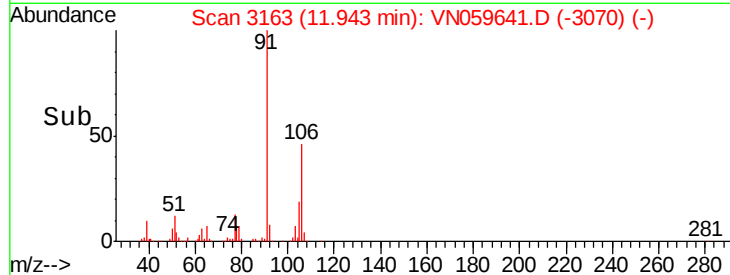
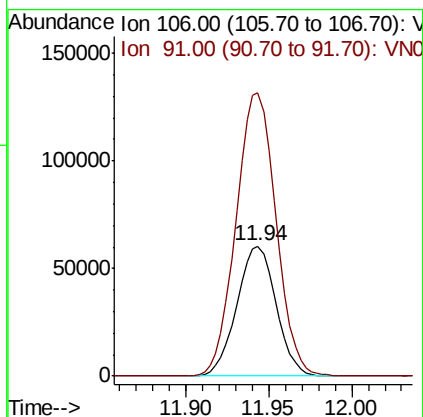
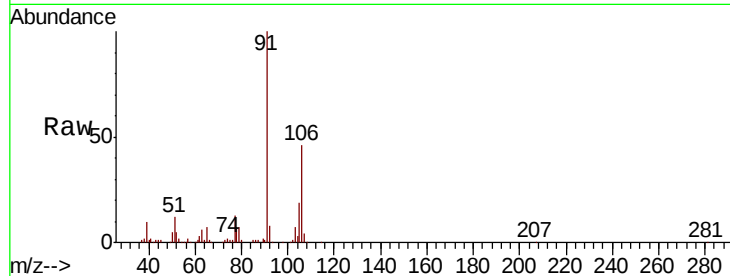




#69
o-Xylene
Concen: 21.078 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

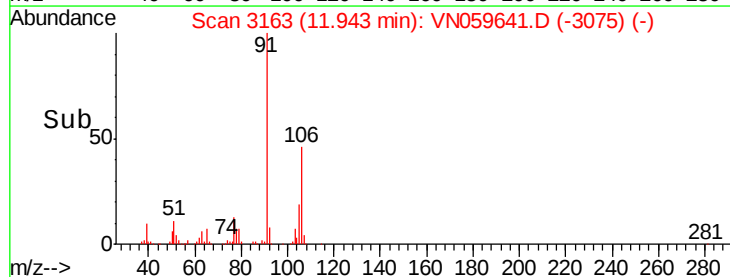
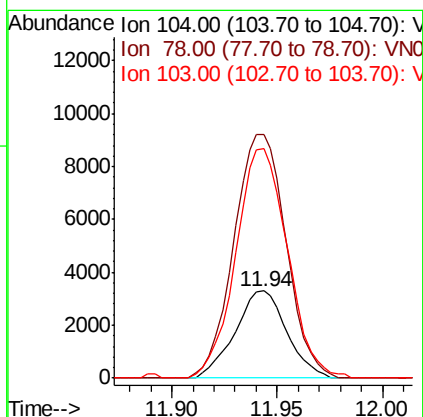
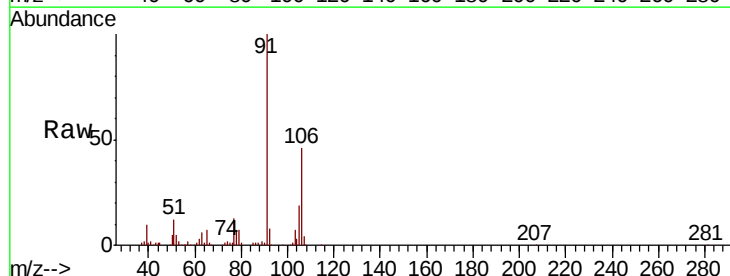
Instrument :
MSVOA_N
ClientSampled :
30785

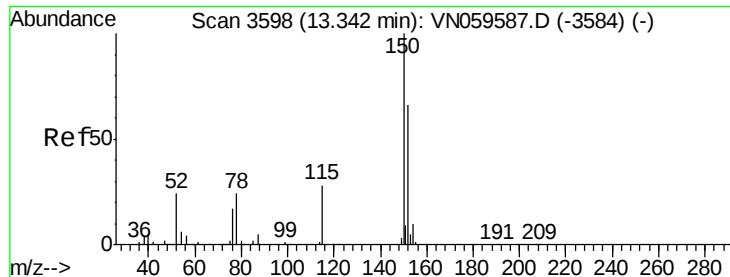
Tot Ion:106 Resp: 99516
Ion Ratio Lower Upper
106 100
91 222.7 110.3 330.9



#70
Styrene
Concen: 0.742 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.02 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

Tgt Ion:104 Resp: 5632
Ion Ratio Lower Upper
104 100
78 281.1 42.4 63.6#
103 262.5 43.9 65.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN059641.D

Acq: 17 Dec 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

30785

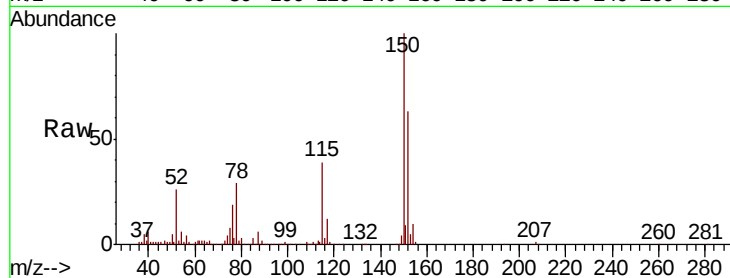
Tot Ion:152 Resp: 148220

Ion Ratio Lower Upper

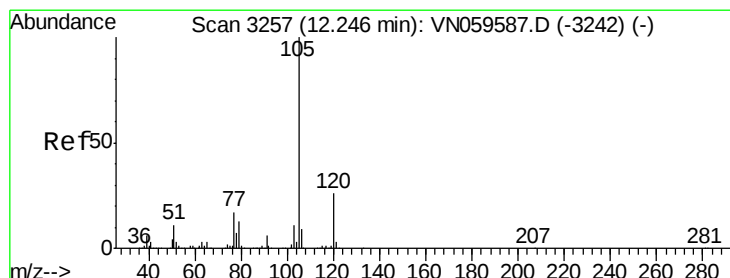
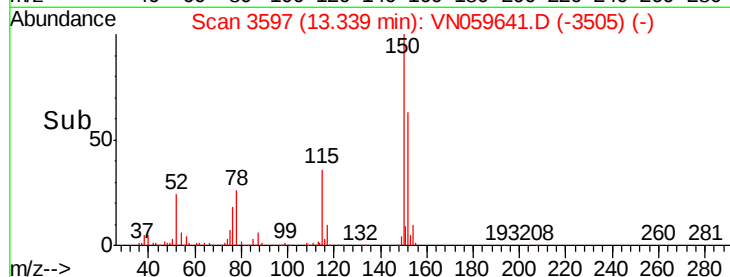
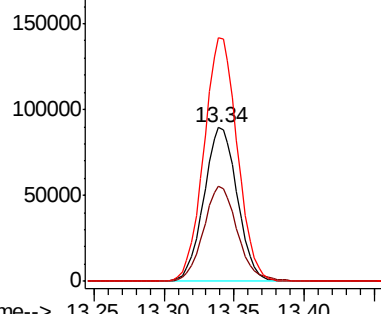
152 100

115 63.0 30.3 90.9

150 158.7 0.0 345.2



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: 1.592 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059641.D

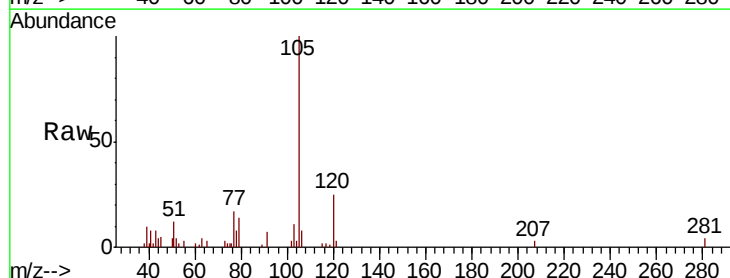
Acq: 17 Dec 2019 21:22

Tgt Ion:105 Resp: 18526

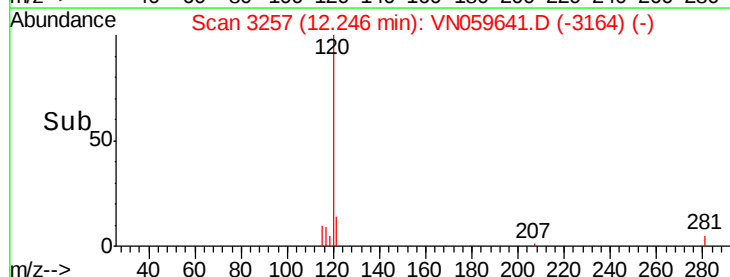
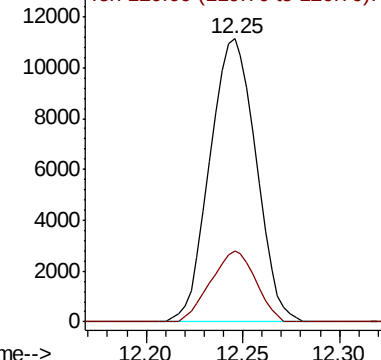
Ion Ratio Lower Upper

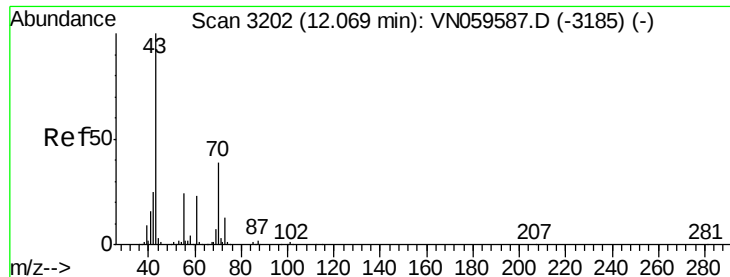
105 100

120 24.4 13.2 39.5



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

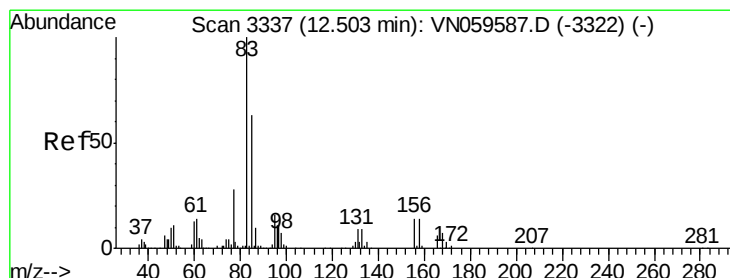
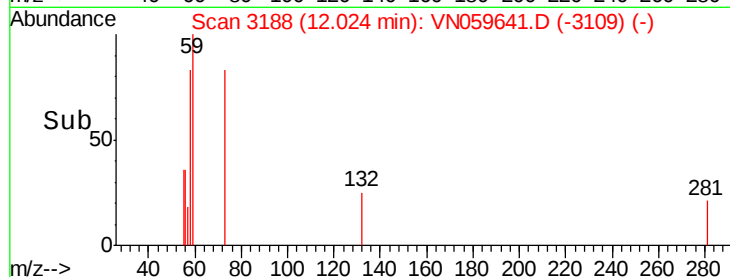
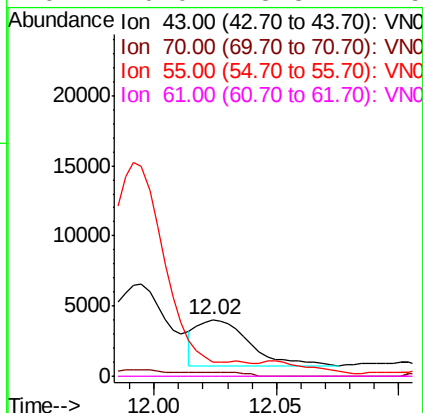
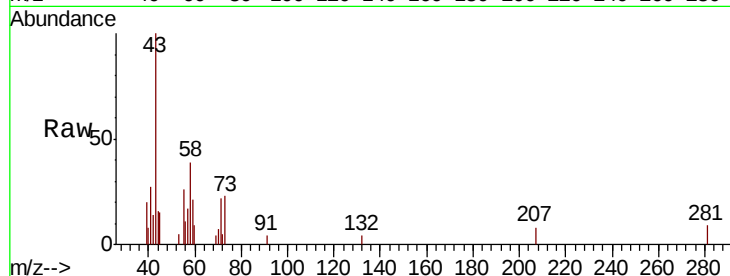




#74
N-amvl acetate
Concen: 0.905 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

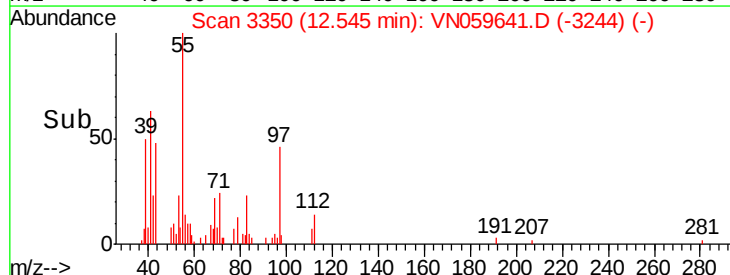
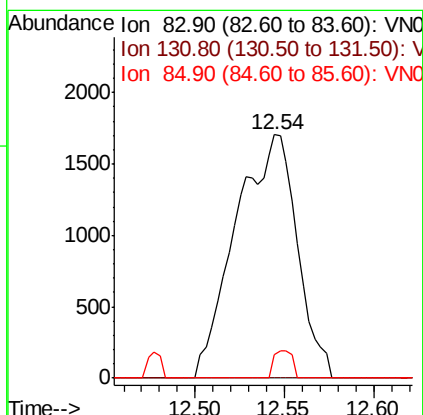
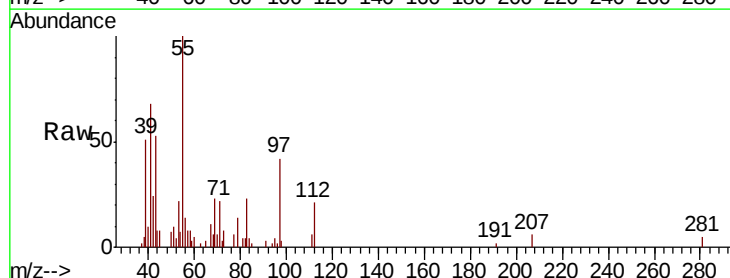
Instrument :
MSVOA_N
ClientSampleId :
30785

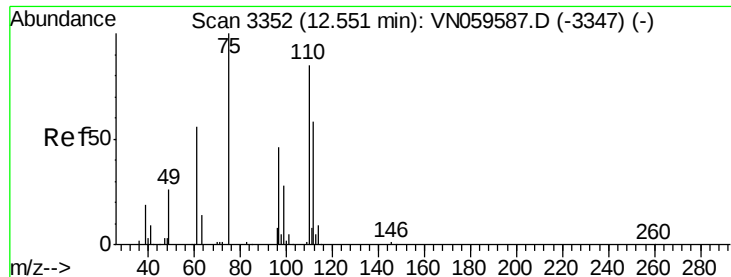
Tot Ion: 43 Resp: 4830
Ion Ratio Lower Upper
43 100
70 5.8 31.3 46.9#
55 0.0 19.8 29.6#
61 0.0 18.3 27.5#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.106 ug/l
RT: 12.54 min Scan# 3350
Delta R.T. 0.04 min
Lab File: VN059641.D
Acq: 17 Dec 2019 21:22

Tgt Ion: 83 Resp: 4081
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 0.0 31.9 95.5#





#76

1,2,3-Trichloropropane

Concen: 24.343 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059641.D

Acq: 17 Dec 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

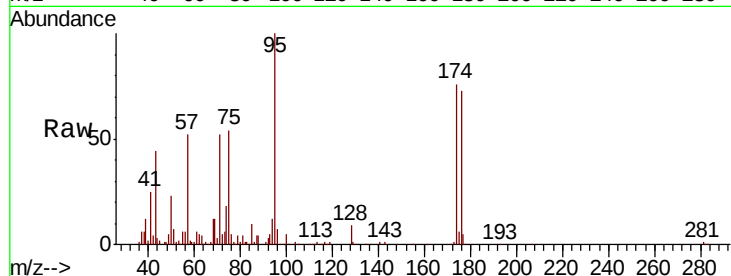
30785

Tot Ion: 75 Resp: 89321

Ion Ratio Lower Upper

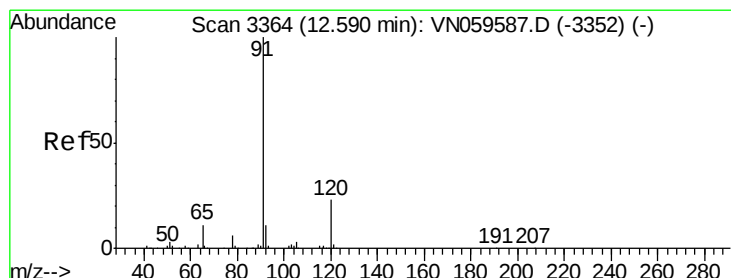
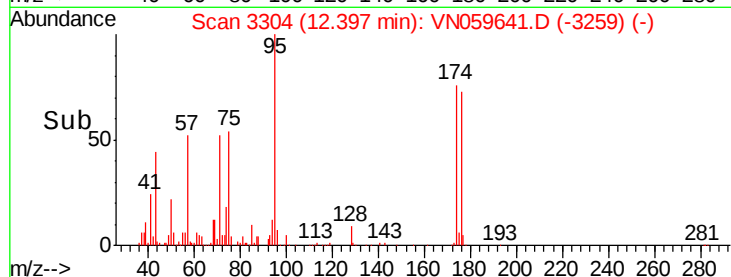
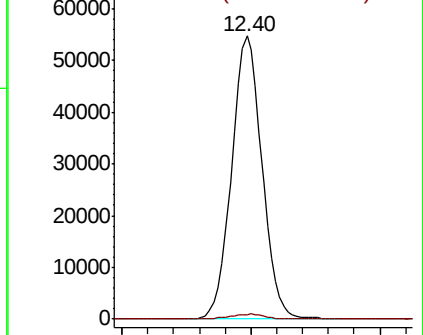
75 100

77 1.8 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: 1.318 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059641.D

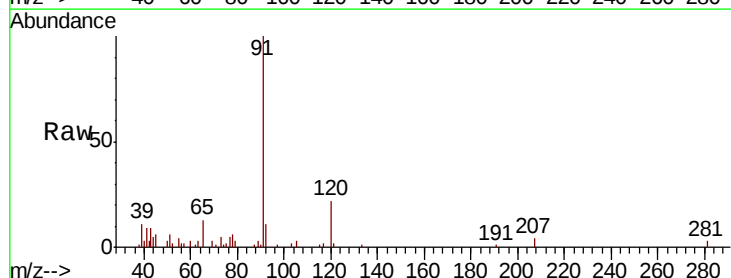
Acq: 17 Dec 2019 21:22

Tgt Ion: 91 Resp: 18122

Ion Ratio Lower Upper

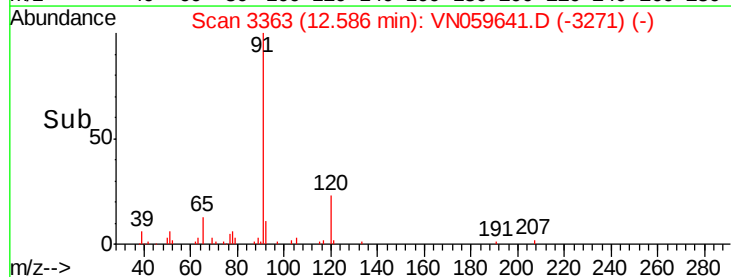
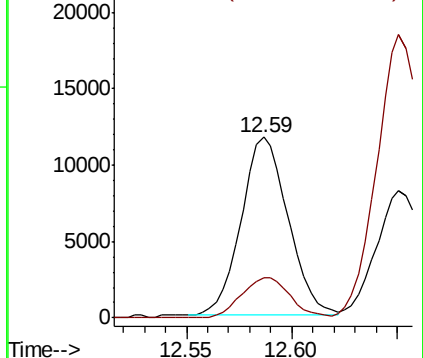
91 100

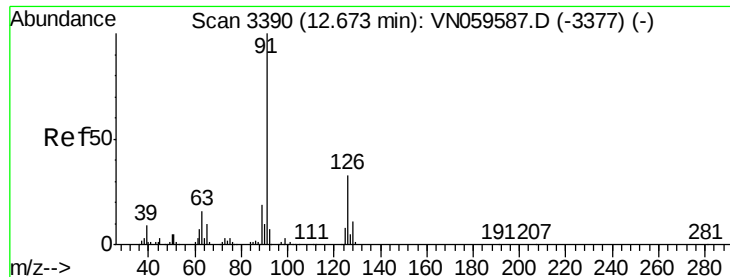
120 23.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

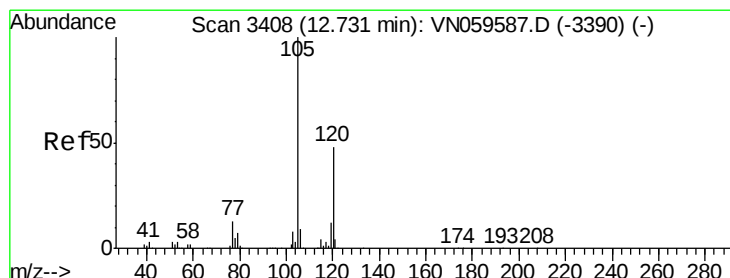
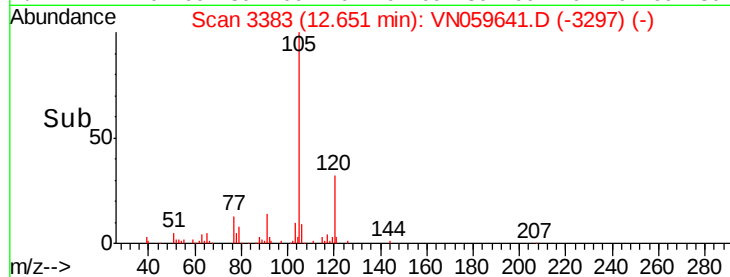
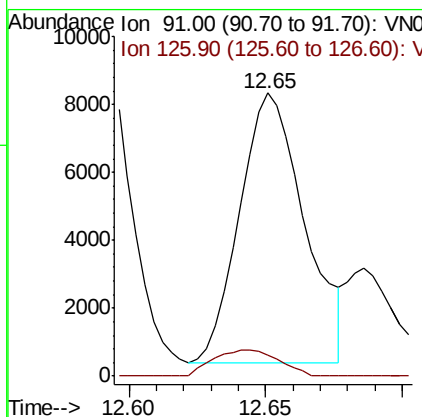
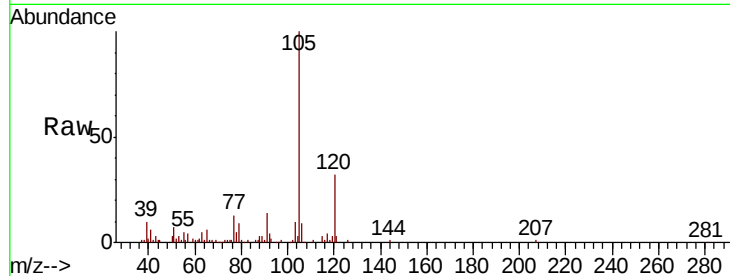




#79
 2-Chlorotoluene
 Concen: 1.570 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. -0.02 min
 Lab File: VN059641.D
 Acq: 17 Dec 2019 21:22

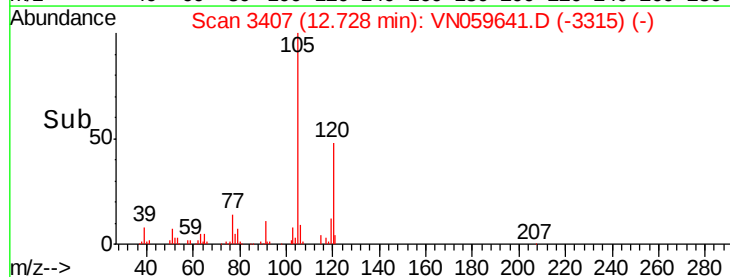
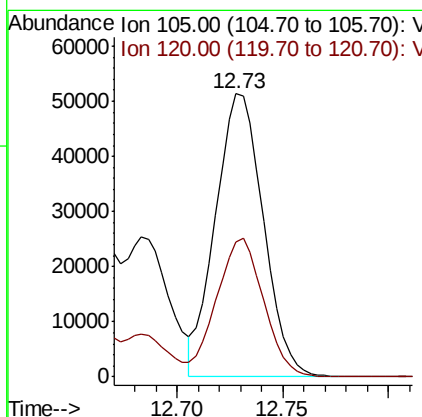
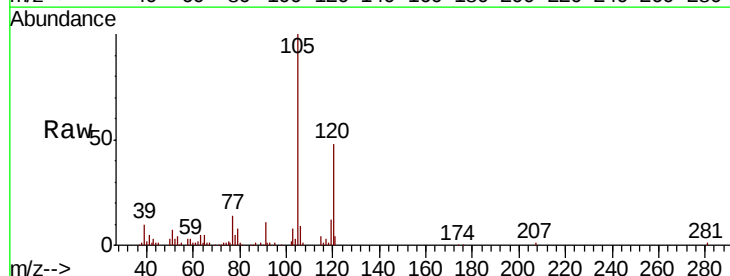
Instrument :
 MSVOA_N
 ClientSampleId :
 30785

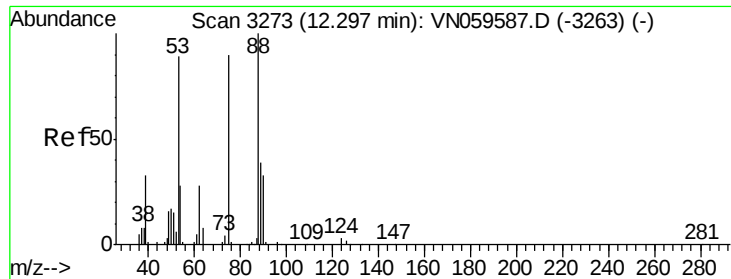
Tot Ion: 91 Resp: 13057
 Ion Ratio Lower Upper
 91 100
 126 9.8 16.3 48.9#



#80
 1,3,5-Trimethylbenzene
 Concen: 8.157 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN059641.D
 Acq: 17 Dec 2019 21:22

Tgt Ion: 105 Resp: 80318
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 60.124 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059641.D

Acq: 17 Dec 2019 21:22

Instrument :

MSVOA_N

ClientSampled :

30785

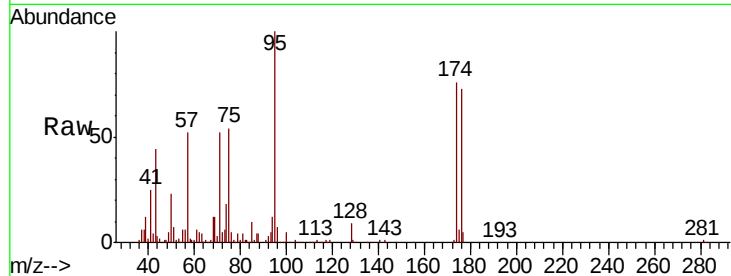
Tot Ion: 75 Resp: 89321

Ion Ratio Lower Upper

75 100

53 4.1 78.1 117.1#

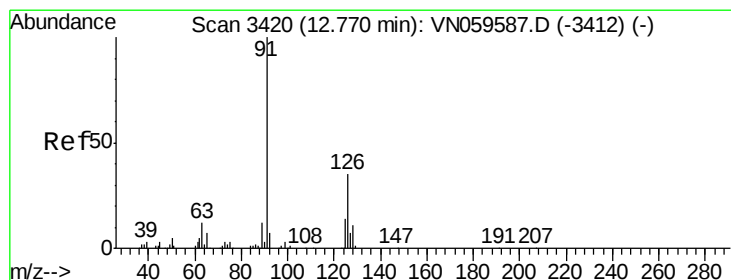
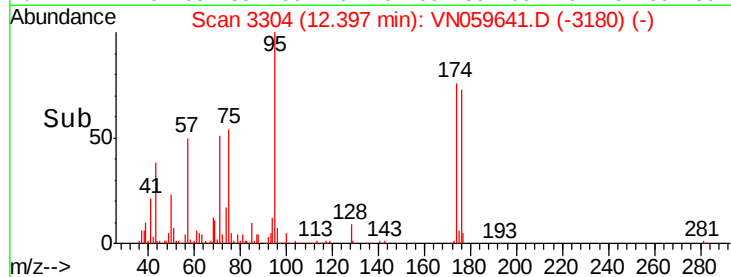
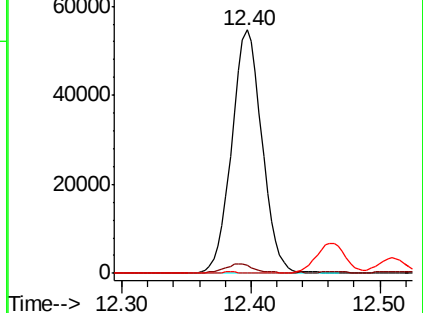
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 1.119 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.04 min

Lab File: VN059641.D

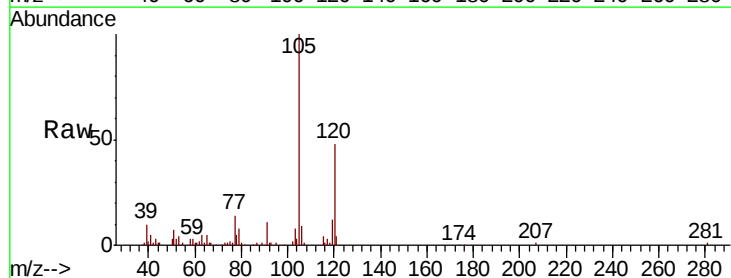
Acq: 17 Dec 2019 21:22

Tgt Ion: 91 Resp: 9527

Ion Ratio Lower Upper

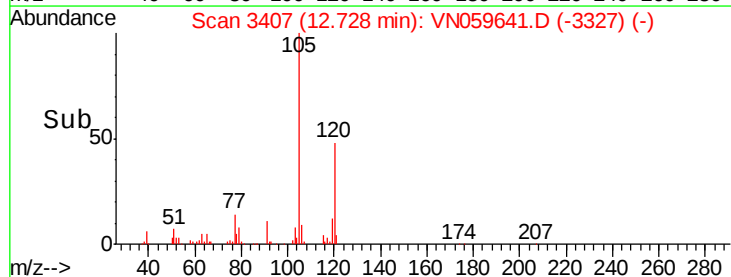
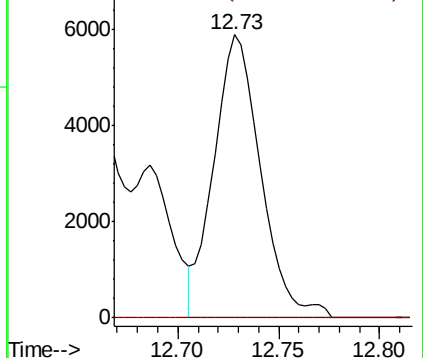
91 100

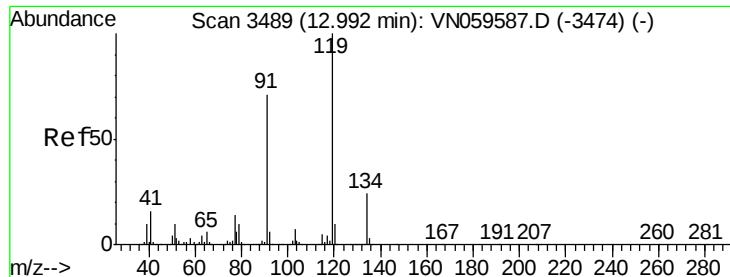
126 0.0 16.3 48.8#



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 2.690 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.05 min

Lab File: VN059641.D

Acq: 17 Dec 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

30785

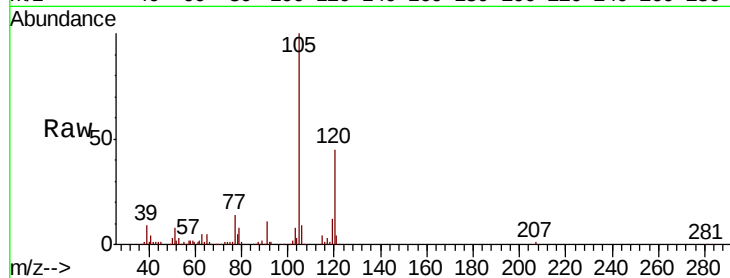
Tot Ion:119 Resp: 22434

Ion Ratio Lower Upper

119 100

91 87.3 34.8 104.4

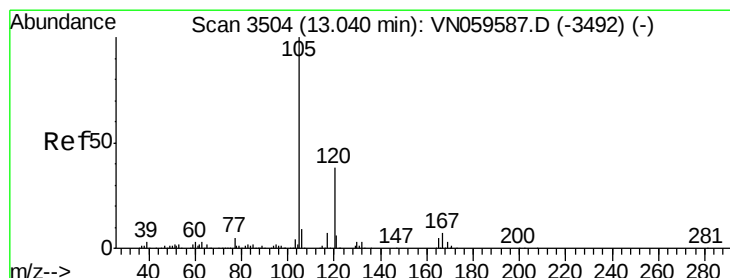
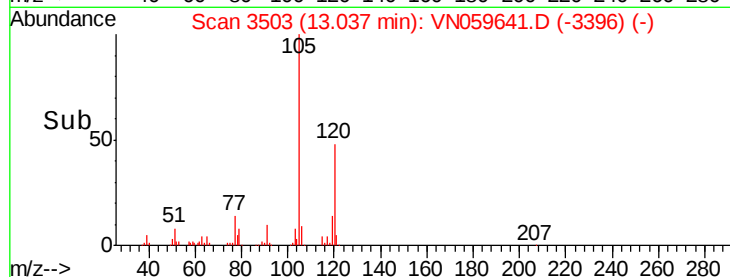
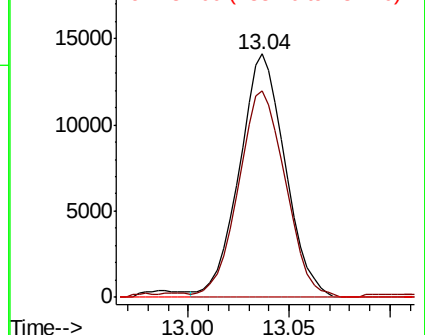
134 0.0 12.3 36.9#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.488 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN059641.D

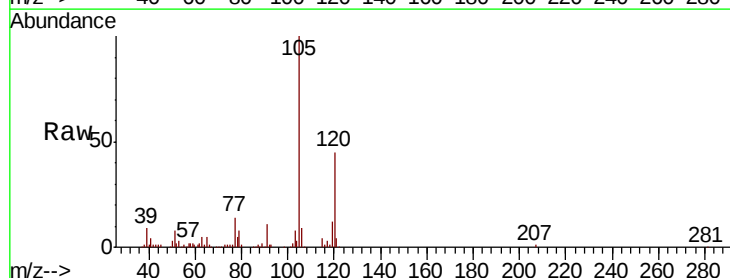
Acq: 17 Dec 2019 21:22

Tgt Ion:105 Resp: 181012

Ion Ratio Lower Upper

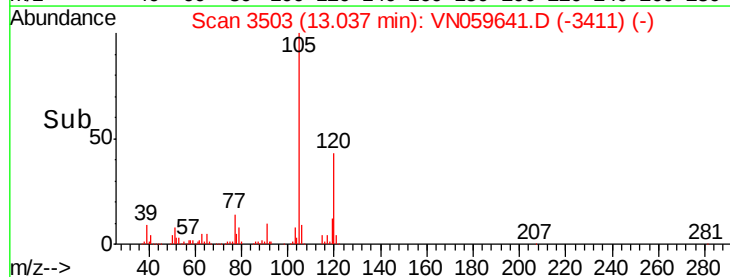
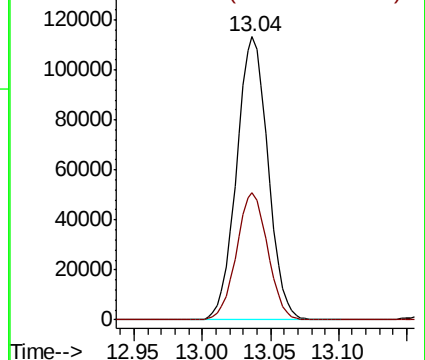
105 100

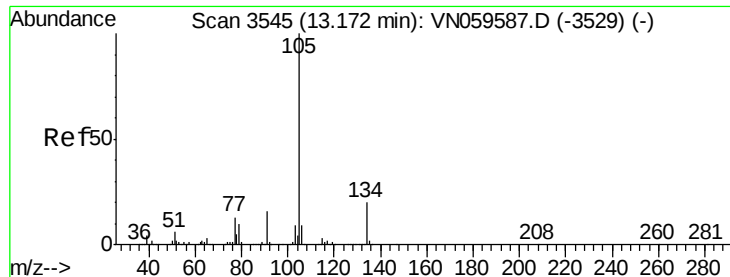
120 44.4 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

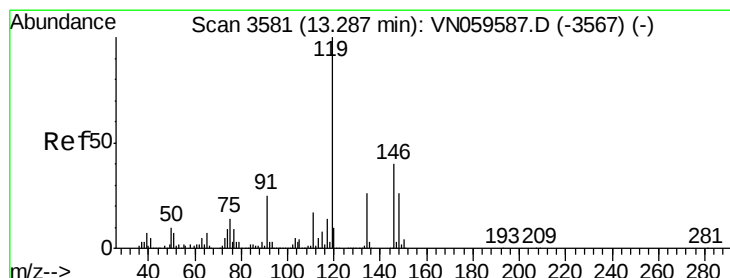
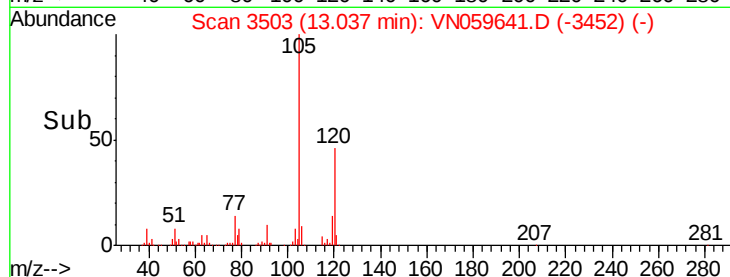
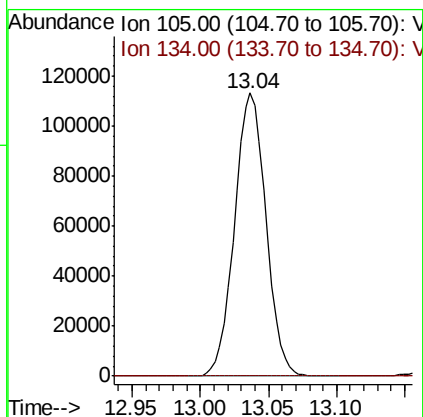
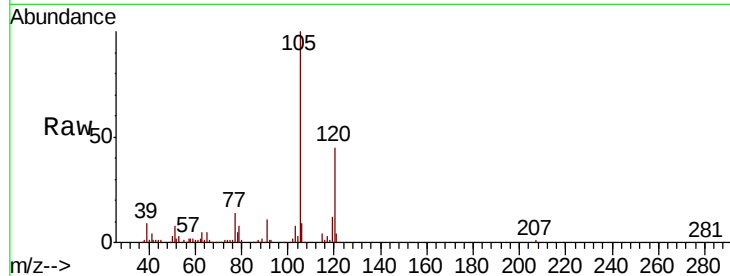




#85
 sec-Butylbenzene
 Concen: 16.319 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.13 min
 Lab File: VN059641.D
 Acq: 17 Dec 2019 21:22

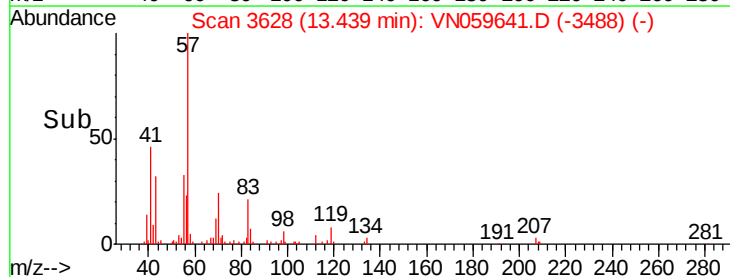
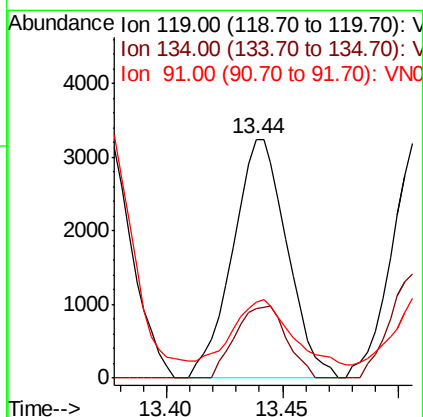
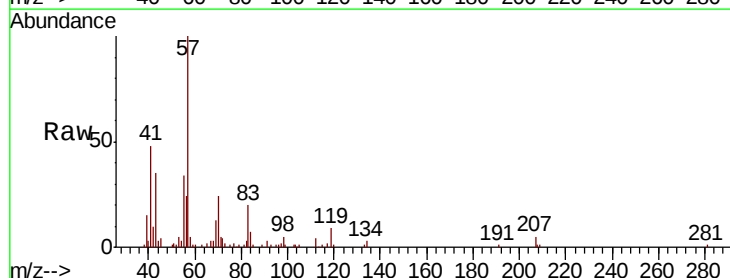
Instrument :
 MSVOA_N
 ClientSampled :
 30785

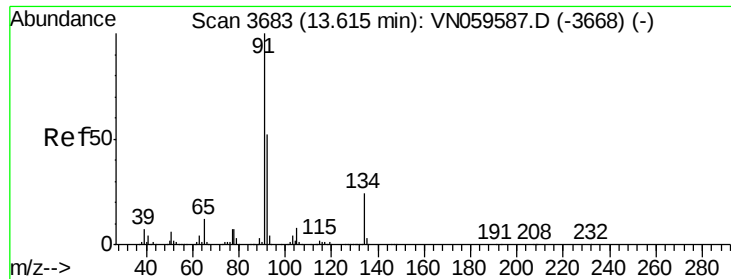
Tot Ion:105 Resp: 181012
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.5#



#86
 p-Isopropyltoluene
 Concen: 0.525 ug/l
 RT: 13.44 min Scan# 3628
 Delta R.T. 0.15 min
 Lab File: VN059641.D
 Acq: 17 Dec 2019 21:22

Tgt Ion:119 Resp: 5273
 Ion Ratio Lower Upper
 119 100
 134 28.3 12.9 38.7
 91 28.2 12.4 37.4





#89

n-Butylbenzene

Concen: 0.281 ug/l

RT: 13.58 min Scan# 3673

Delta R.T. -0.03 min

Lab File: VN059641.D

Acq: 17 Dec 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

30785

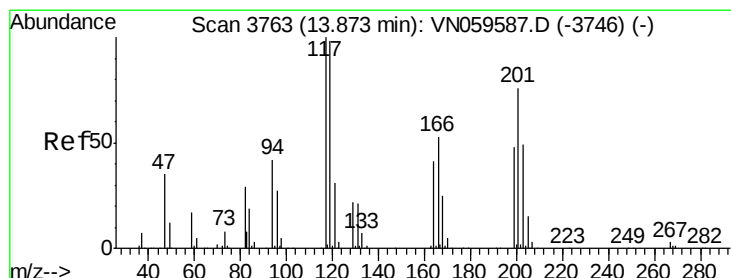
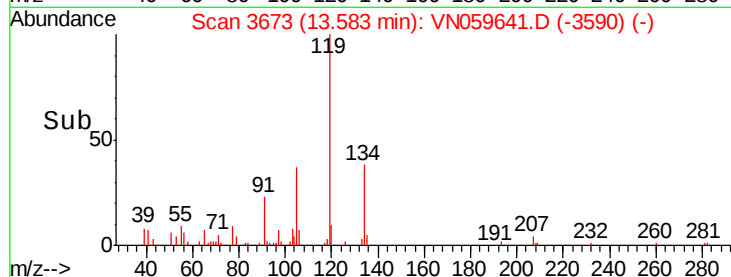
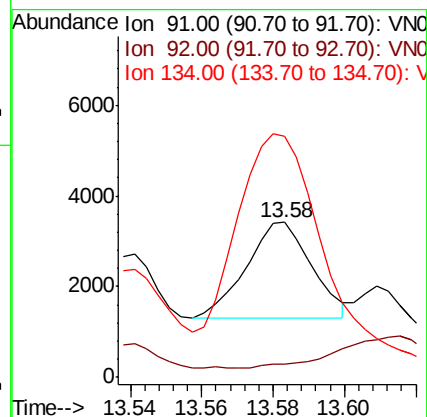
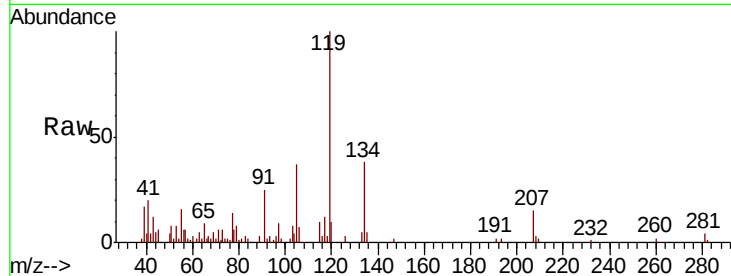
Tot Ion: 91 Resp: 2649

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.7#

134 372.9 12.3 36.8#



#90

Hexachloroethane

Concen: 1.402 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN059641.D

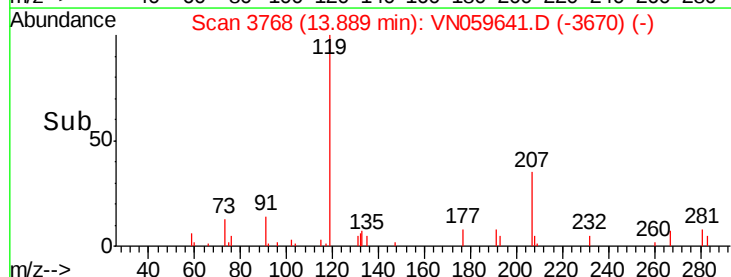
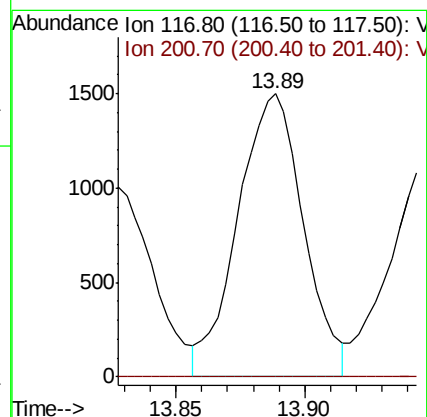
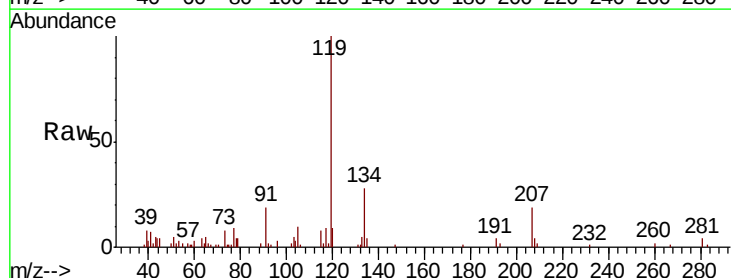
Acq: 17 Dec 2019 21:22

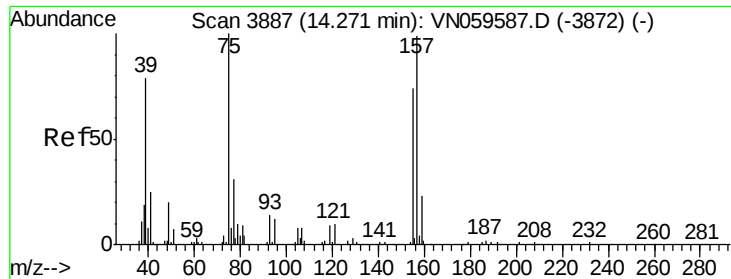
Tgt Ion: 117 Resp: 2663

Ion Ratio Lower Upper

117 100

201 0.0 37.8 113.4#

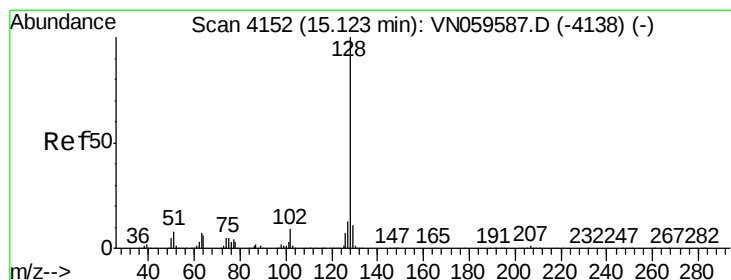
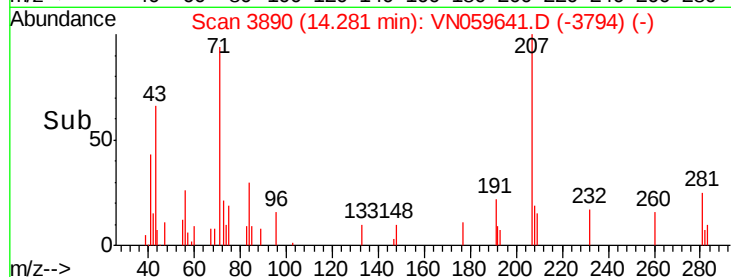
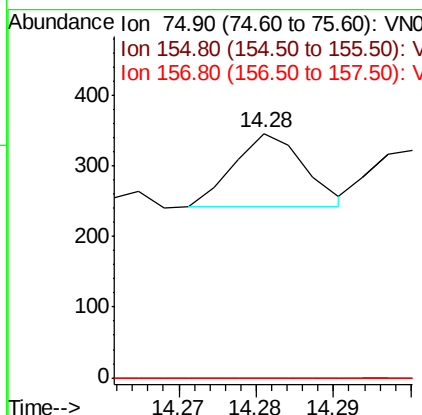
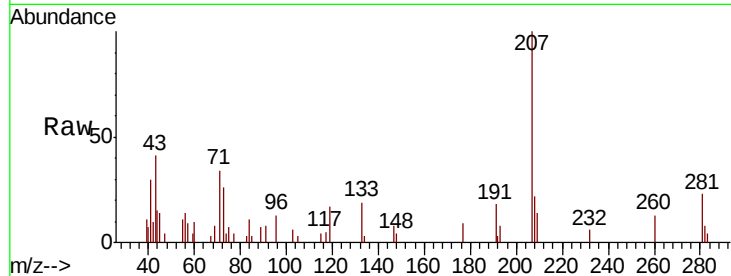




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.687 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.01 min
 Lab File: VN059641.D
 Acq: 17 Dec 2019 21:22

Instrument :
 MSVOA_N
 ClientSampleId :
 30785

Tot Ion: 75 Resp: 65
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.0 110.9#
 157 0.0 48.4 145.2#



#95
 Naphthalene
 Concen: 0.975 ug/l
 RT: 15.12 min Scan# 4152
 Delta R.T. 0.00 min
 Lab File: VN059641.D
 Acq: 17 Dec 2019 21:22

Tgt Ion: 128 Resp: 9749
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.4 15.6
 129 11.2 8.6 12.8

