

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
 Data File : VN059484.D
 Acq On : 4 Dec 2019 14:08
 Operator : JC/SP
 Sample : K6084-05DL 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 05 00:46:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	334581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	526147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	469203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	195529	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	200896	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
35) Dibromofluoromethane	7.57	113	159179	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
50) Toluene-d8	10.08	98	637360	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.40	95	217560	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.77	59	37196	47.491	ug/l #	89
13) Acrolein	3.77	56	898	1.321	ug/l #	34
15) Acrylonitrile	5.00	53	430	0.203	ug/l #	29
16) Acetone	3.80	43	168465	68.808	ug/l	99
18) Methyl Acetate	4.30	43	43154	7.713	ug/l	95
19) Methyl tert-butyl Ether	5.01	73	6562	0.555	ug/l #	1
20) Methylene Chloride	4.53	84	631	Below Cal	#	78
22) Diisopropyl ether	5.92	45	126448	9.939	ug/l #	1
23) Vinyl Acetate	5.92	43	11666	1.143	ug/l #	73
25) 2-Butanone	6.82	43	25975	8.222	ug/l	95
29) Tetrahydrofuran	7.19	42	2332	1.174	ug/l #	62
31) Cyclohexane	7.64	56	17630	2.518	ug/l #	41
36) 1,1-Dichloropropene	7.64	75	24983	4.563	ug/l #	49
37) Ethyl Acetate	6.82	43	25975	4.247	ug/l #	68
38) Carbon Tetrachloride	7.64	117	32014	6.079	ug/l #	16
39) Methylcyclohexane	9.07	83	16836	2.555	ug/l	96
40) Benzene	8.02	78	1082872	67.539	ug/l	99
43) Isopropyl Acetate	8.15	43	10111	1.112	ug/l #	89
48) Methyl methacrylate	9.12	41	5586	1.361	ug/l #	23
49) 1,4-Dioxane	9.20	88	531	8.551	ug/l #	22
51) 4-Methyl-2-Pentanone	9.98	43	5564	1.030	ug/l	97
52) Toluene	10.15	92	1830011	188.721	ug/l	94
53) t-1,3-Dichloropropene	10.45	75	3289	0.523	ug/l #	73
54) cis-1,3-Dichloropropene	9.80	75	2267	0.340	ug/l #	1
55) 1,1,2-Trichloroethane	10.52	97	2274	0.595	ug/l #	14
56) Ethyl methacrylate	10.43	69	875	1.589	ug/l #	26
58) 2-Chloroethyl Vinyl ether	9.80	63	3263	17.251	ug/l	90
59) 2-Hexanone	10.72	43	11423	2.811	ug/l #	24
67) Ethyl Benzene	11.51	91	138186	7.689	ug/l	99
68) m/p-Xylenes	11.62	106	344449	51.474	ug/l	98
69) o-Xylene	11.95	106	101873	15.991	ug/l	100
70) Styrene	11.95	104	5320	0.523	ug/l #	1
71) Bromoform	12.40	173	979	0.341	ug/l #	1
73) Isopropylbenzene	12.25	105	17416	1.111	ug/l	98

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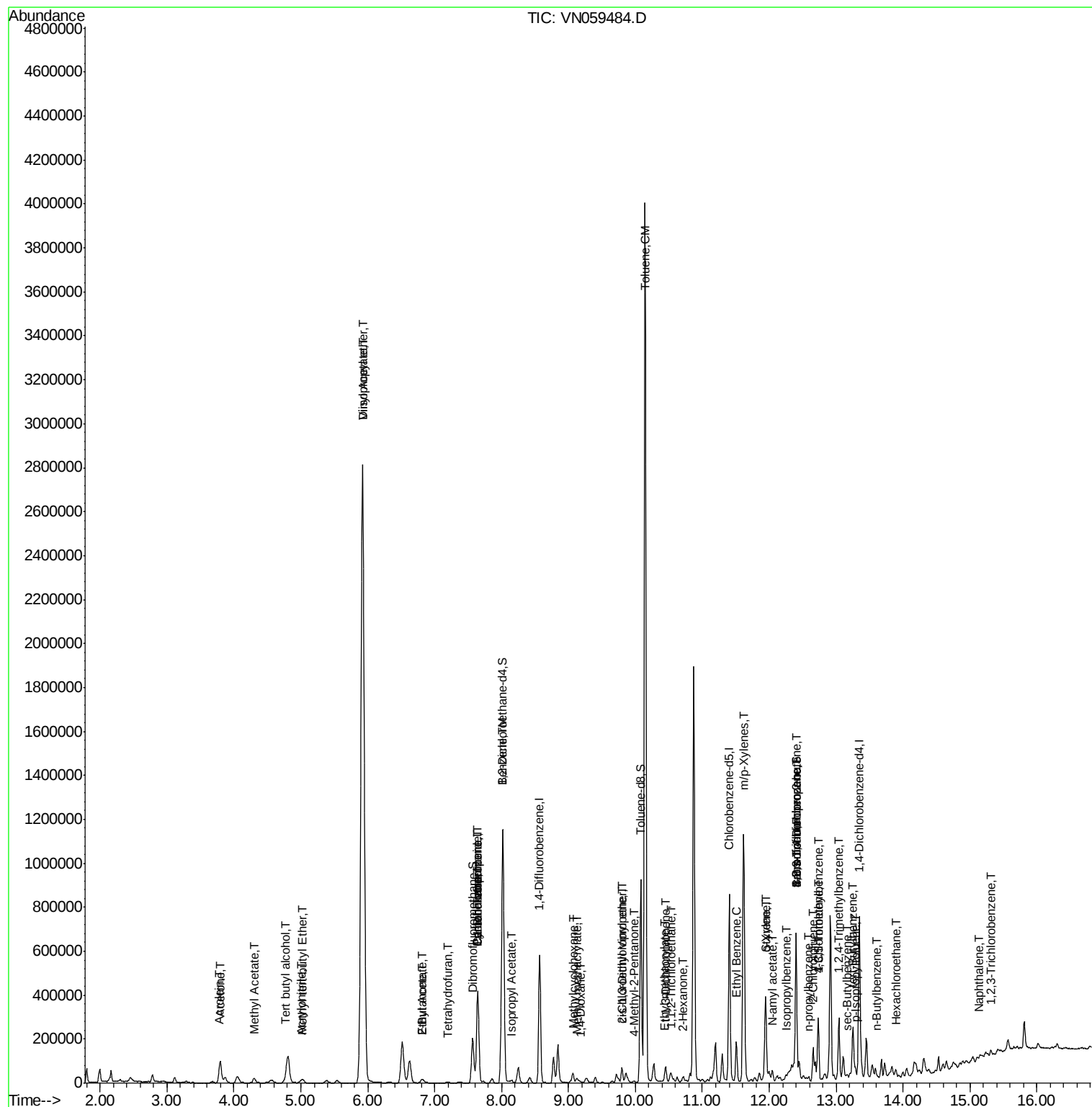
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) N-amyl acetate	12.04	43	11270	1.784	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	108034	22.222	ug/l #	100
78) n-propylbenzene	12.59	91	18907	1.036	ug/l	100
79) 2-Chlorotoluene	12.66	91	11331	1.030	ug/l #	45
80) 1,3,5-Trimethylbenzene	12.73	105	83602	6.380	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	108034	58.317	ug/l #	15
82) 4-Chlorotoluene	12.73	91	8054	0.710	ug/l #	42
83) tert-Butylbenzene	13.24	119	15281	1.343	ug/l	90
84) 1,2,4-Trimethylbenzene	13.04	105	160351	12.521	ug/l	98
85) sec-Butylbenzene	13.17	105	7232	0.480	ug/l	83
86) p-Isopropyltoluene	13.29	119	7704	0.570	ug/l	99
89) n-Butylbenzene	13.62	91	3649	0.301	ug/l #	66
90) Hexachloroethane	13.89	117	1444	0.554	ug/l #	9
95) Naphthalene	15.13	128	3778	2.750	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	551	2.096	ug/l #	1

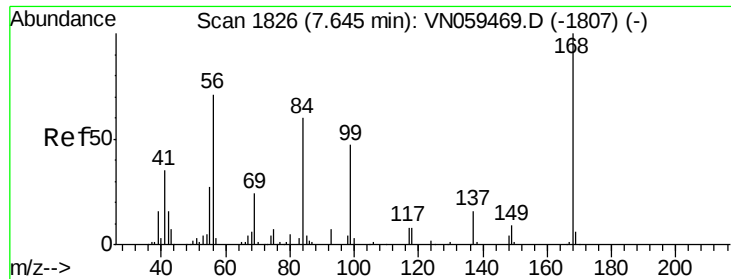
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

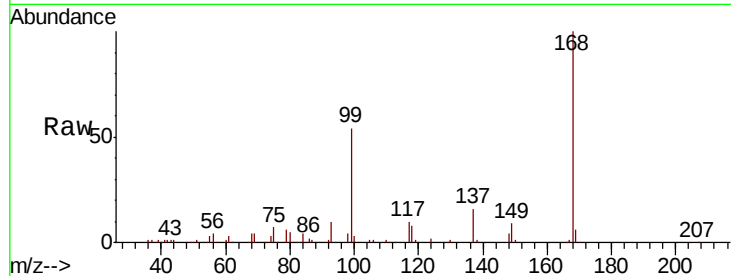
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 334581

Ion Ratio Lower Upper

168 100

99 54.5 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

150000

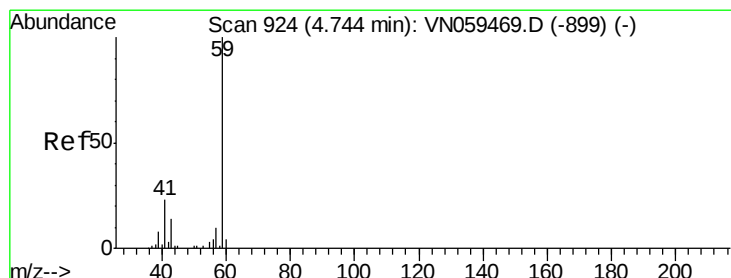
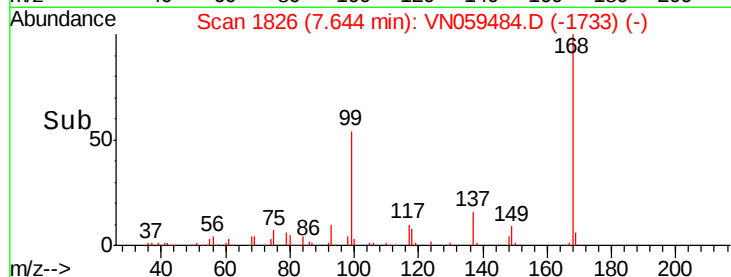
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 47.491 ug/l

RT: 4.77 min Scan# 932

Delta R.T. 0.03 min

Lab File: VN059484.D

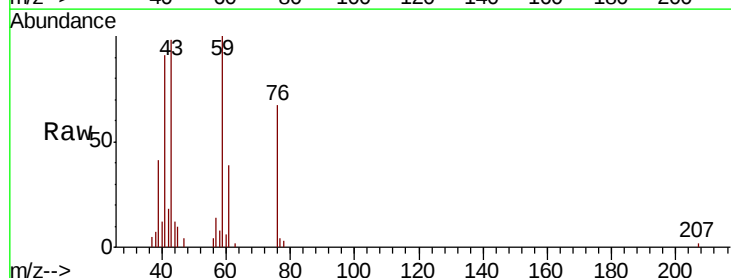
Acq: 4 Dec 2019 14:08

Tgt Ion: 59 Resp: 37196

Ion Ratio Lower Upper

59 100

57 6.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.77

8000

6000

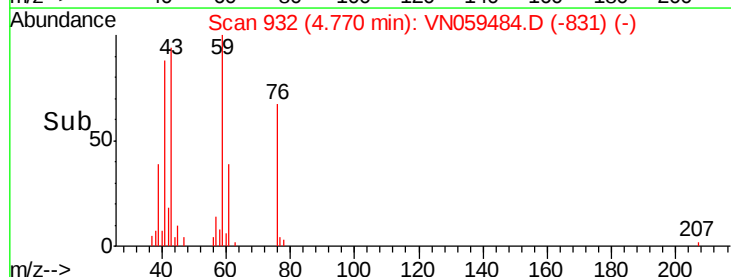
4000

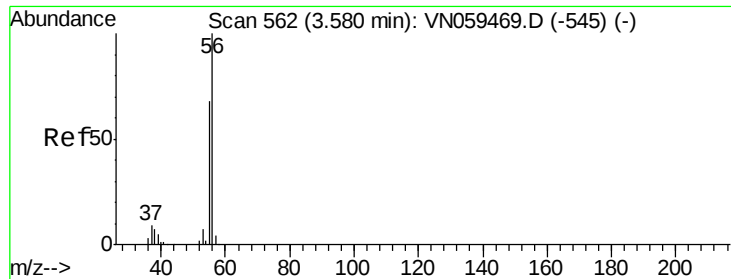
2000

0

4.60 4.70 4.80 4.90

Time-->

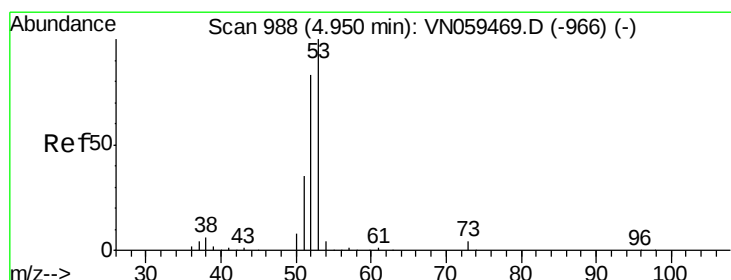
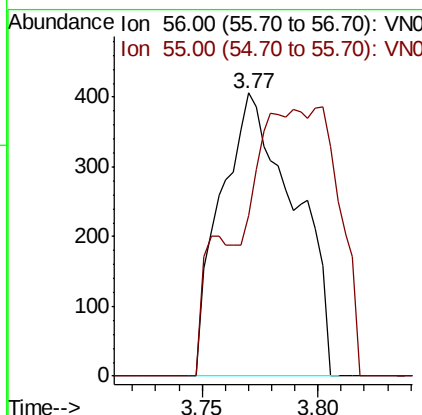
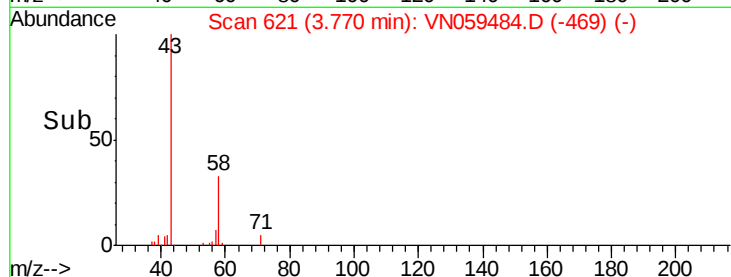
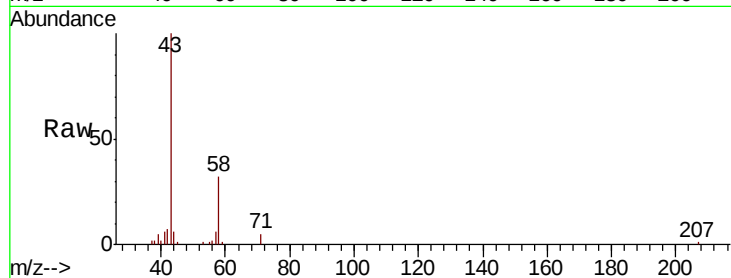




#13
Acrolein
Concen: 1.321 ug/l
RT: 3.77 min Scan# 621
Delta R.T. 0.19 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

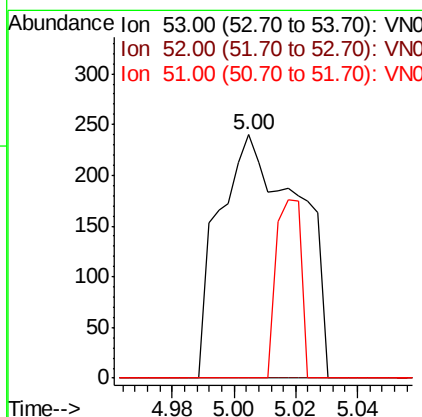
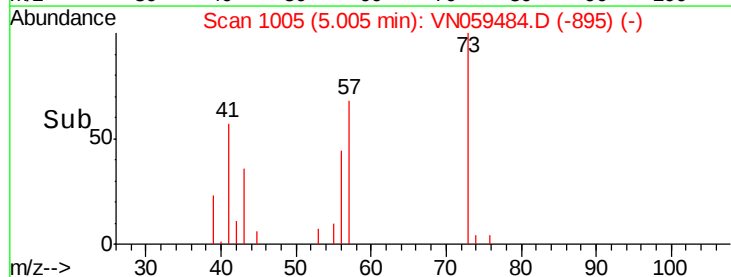
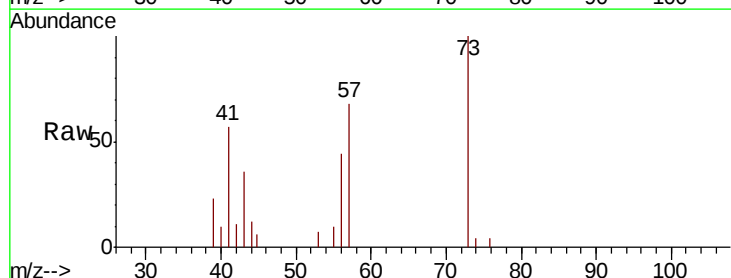
Instrument :
MSVOA_N
ClientSampled :

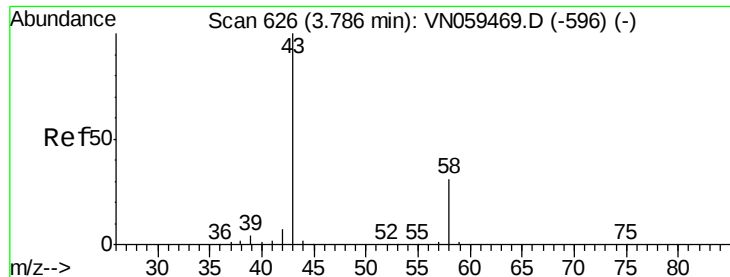
Tot Ion: 56 Resp: 898
Ion Ratio Lower Upper
56 100
55 16.4 56.5 84.7#



#15
Acrylonitrile
Concen: 0.203 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.05 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Tgt Ion: 53 Resp: 430
Ion Ratio Lower Upper
53 100
52 0.0 65.5 98.3#
51 22.6 28.5 42.7#

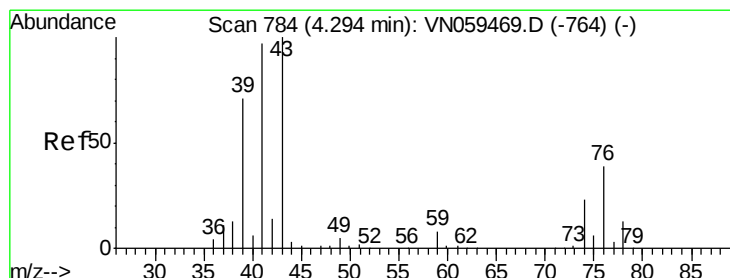
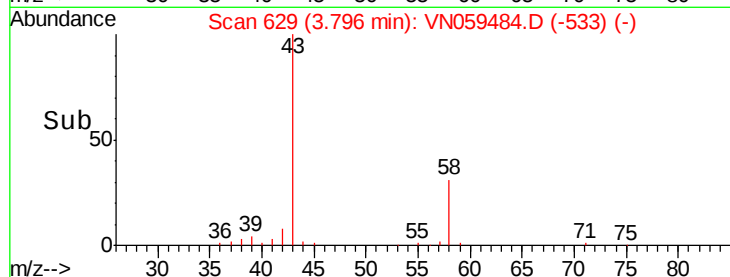
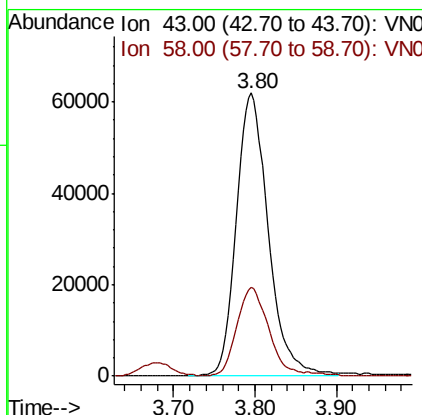
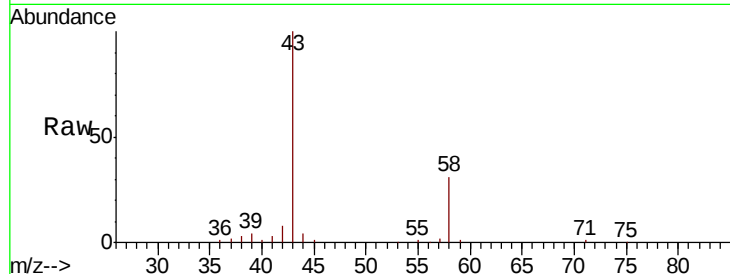




#16
Acetone
Concen: 68.808 ug/l
RT: 3.80 min Scan# 629
Delta R.T. 0.01 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

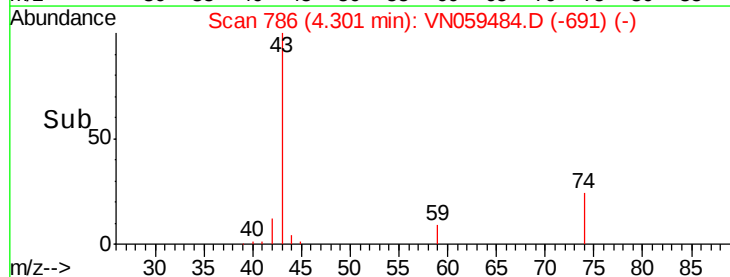
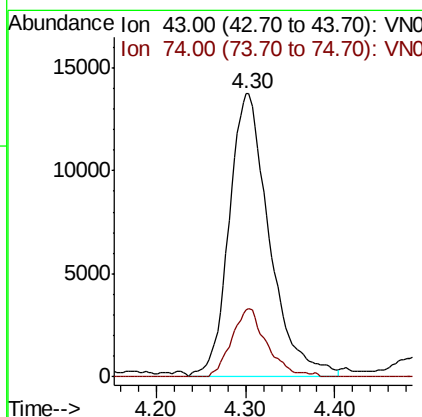
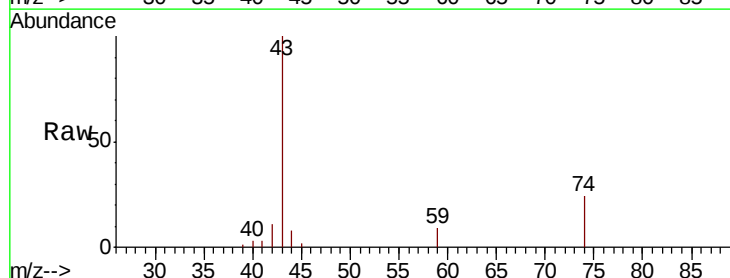
Instrument :
MSVOA_N
ClientSampled :

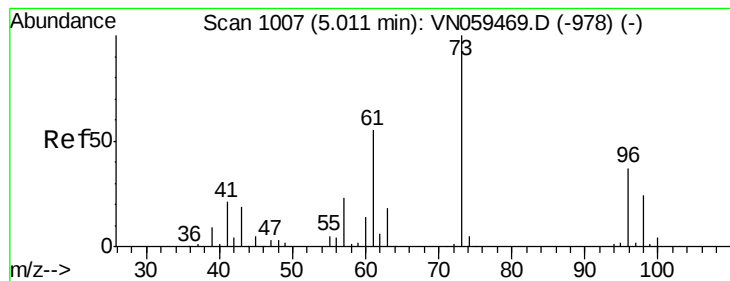
Tot Ion: 43 Resp: 168465
Ion Ratio Lower Upper
43 100
58 30.7 24.9 37.3



#18
Methyl Acetate
Concen: 7.713 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Tgt Ion: 43 Resp: 43154
Ion Ratio Lower Upper
43 100
74 20.5 18.3 27.5



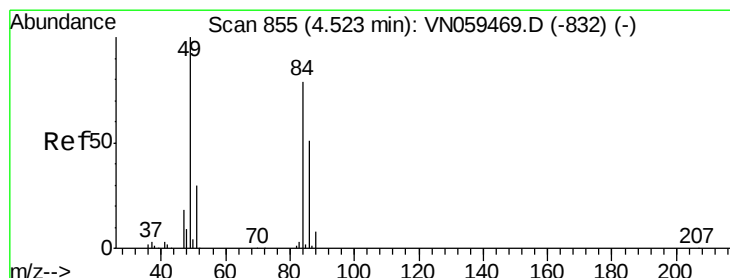
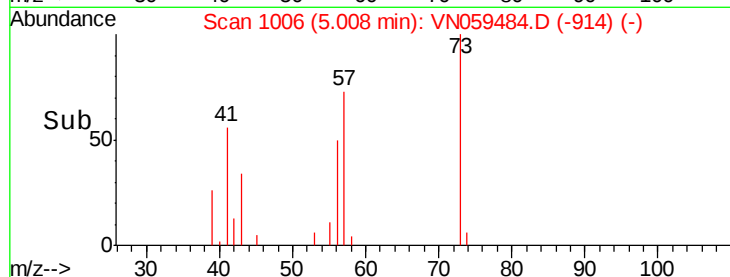
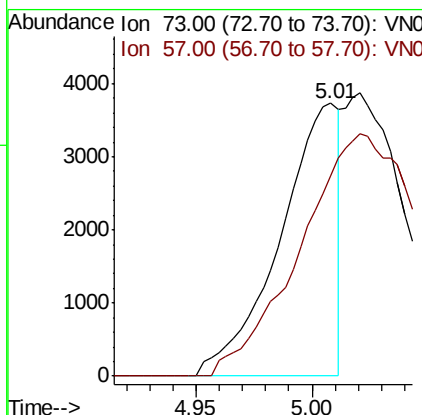
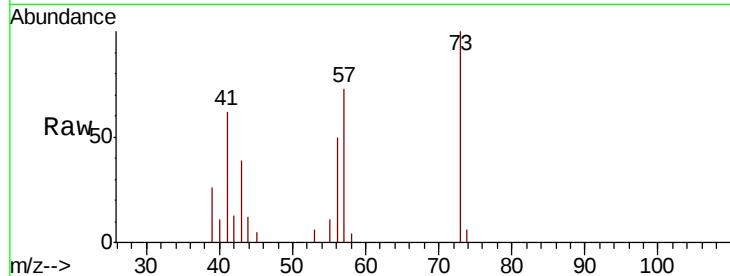


#19

Methyl tert-butyl Ether
 Concen: 0.555 ug/l
 RT: 5.01 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: VN059484.D
 Acq: 4 Dec 2019 14:08

Instrument :
 MSVOA_N
 ClientSampled :

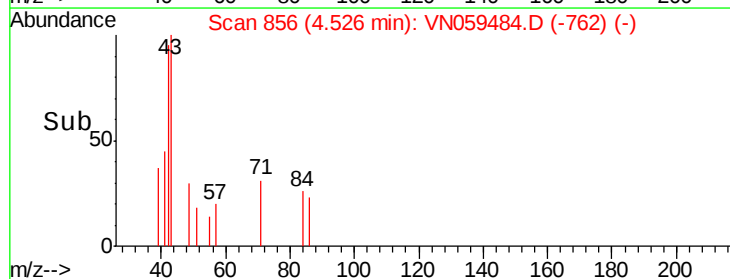
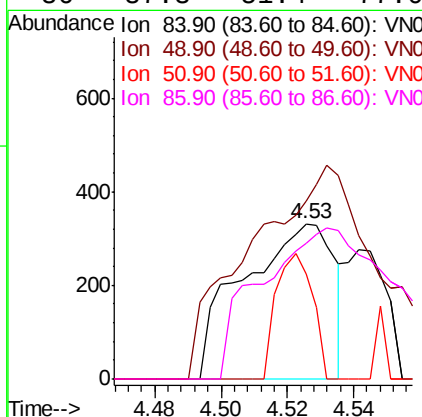
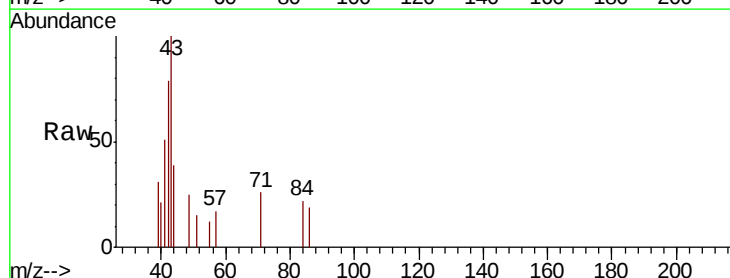
Tot Ion: 73 Resp: 6562
 Ion Ratio Lower Upper
 73 100
 57 73.2 18.0 27.0#

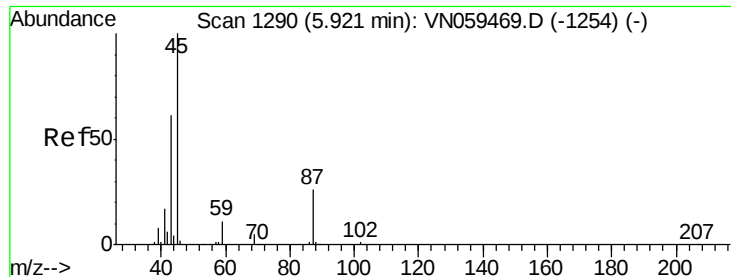


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.53 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VN059484.D
 Acq: 4 Dec 2019 14:08

Tgt Ion: 84 Resp: 631
 Ion Ratio Lower Upper
 84 100
 49 114.2 101.1 151.7
 51 67.5 30.7 46.1#
 86 87.3 51.4 77.0#





#22

Diisopropyl ether

Concen: 9.939 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 45 Resp: 126448

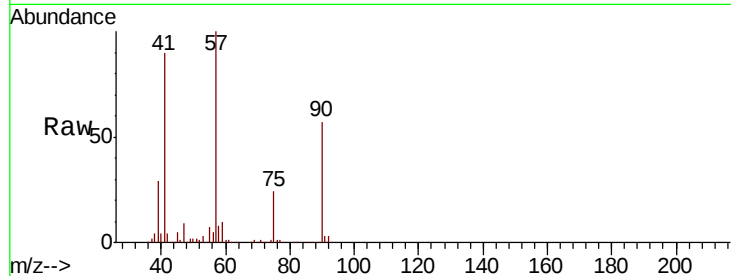
Ion Ratio Lower Upper

45 100

43 7.4 49.1 73.7#

87 0.6 21.6 32.4#

59 196.6 9.0 13.4#

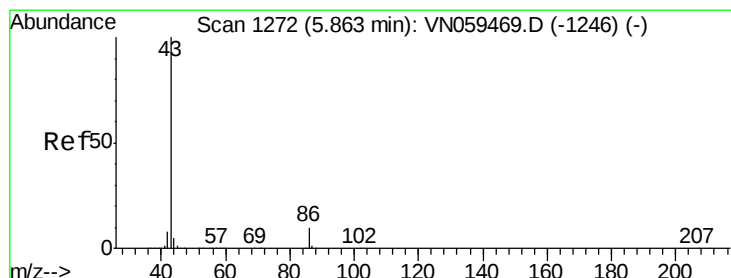
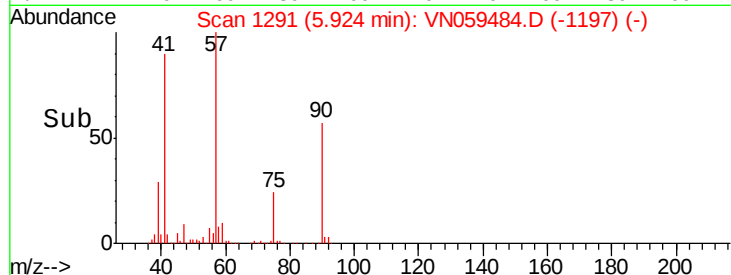
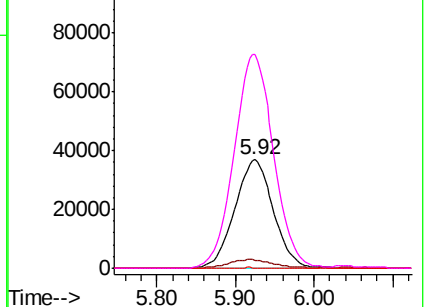


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#23

Vinyl Acetate

Concen: 1.143 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.05 min

Lab File: VN059484.D

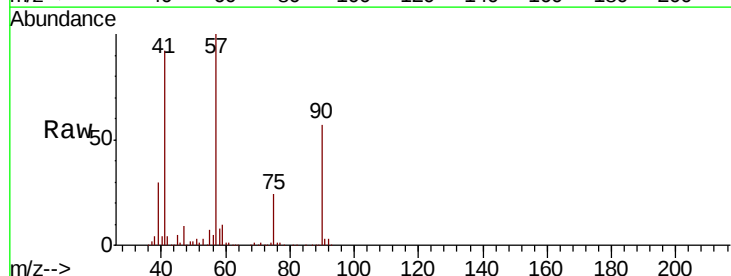
Acq: 4 Dec 2019 14:08

Tgt Ion: 43 Resp: 11666

Ion Ratio Lower Upper

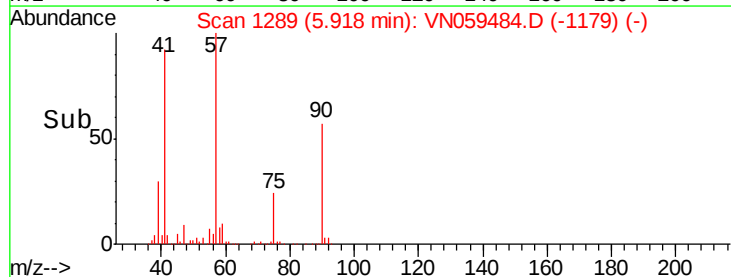
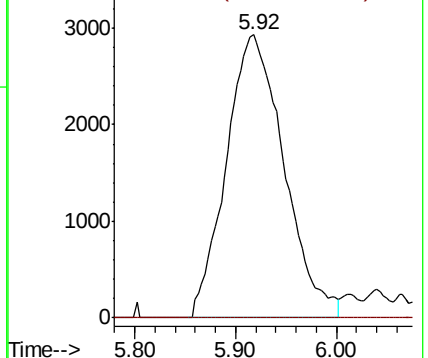
43 100

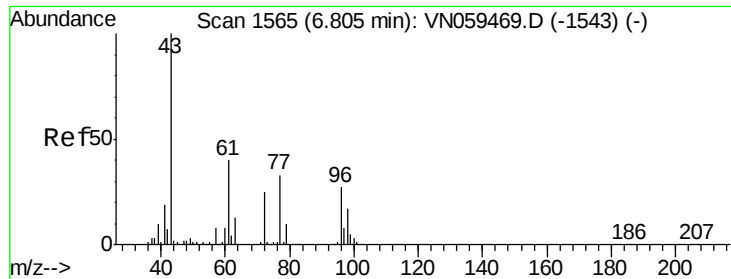
86 0.0 8.0 12.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#25

2-Butanone

Concen: 8.222 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

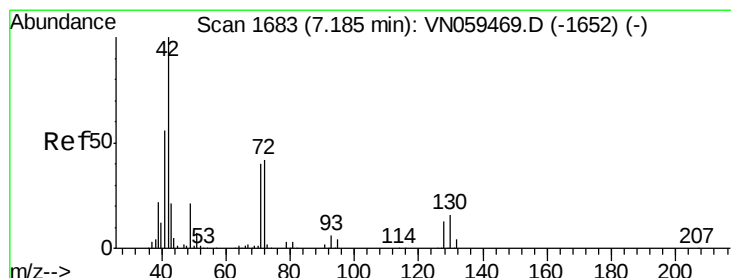
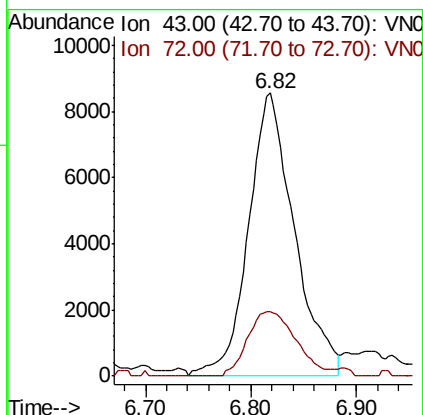
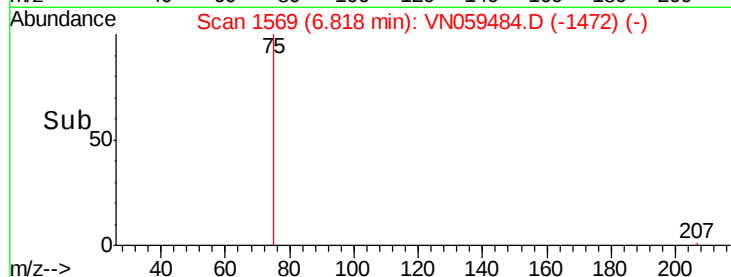
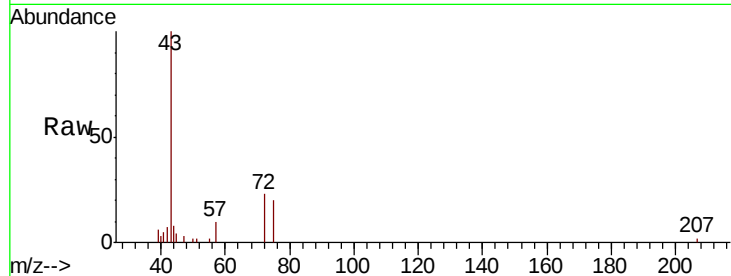
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 25975

Ion Ratio Lower Upper

43 100

72 22.9 20.2 30.2



#29

Tetrahydrofuran

Concen: 1.174 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

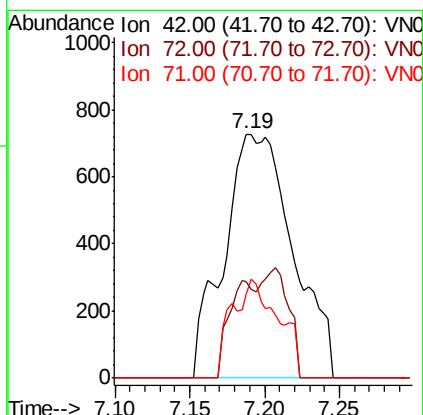
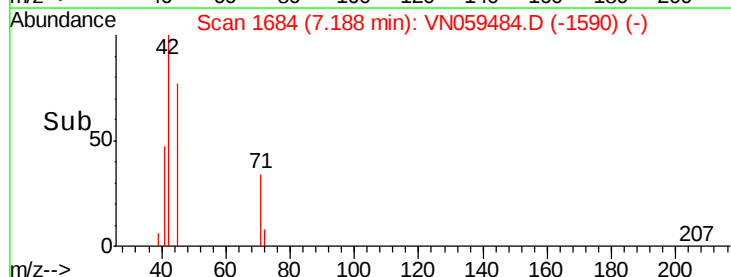
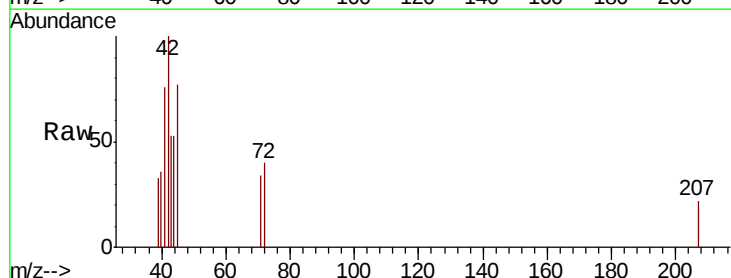
Tgt Ion: 42 Resp: 2332

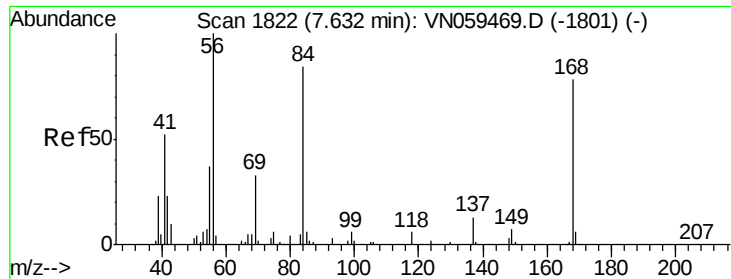
Ion Ratio Lower Upper

42 100

72 15.6 34.2 51.2#

71 19.0 32.0 48.0#

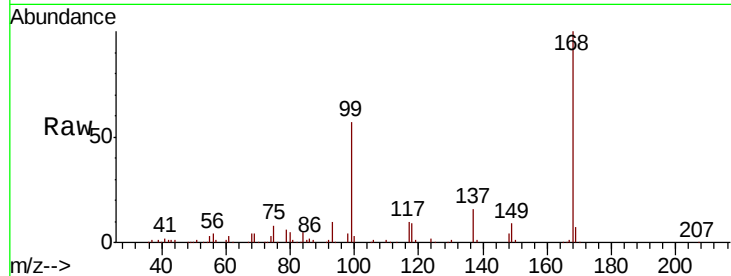




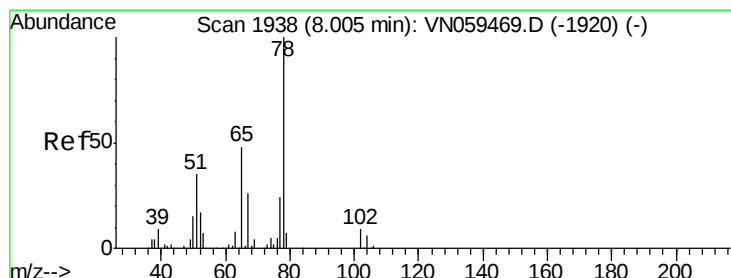
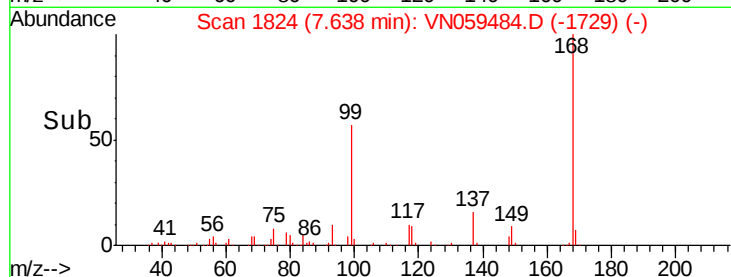
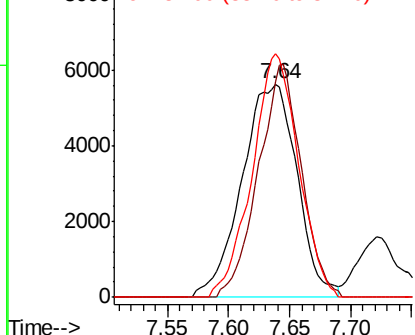
#31
Cyclohexane
Concen: 2.518 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 17630
Ion Ratio Lower Upper
56 100
69 101.3 26.2 39.4#
84 114.3 66.8 100.2#

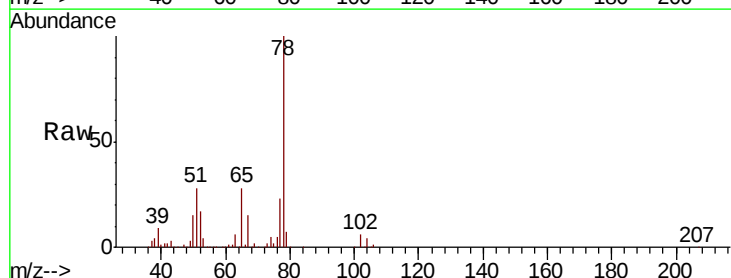


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

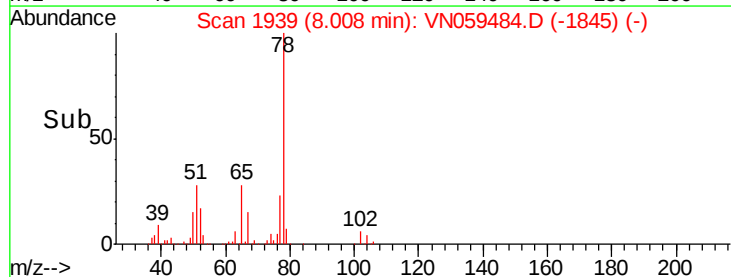
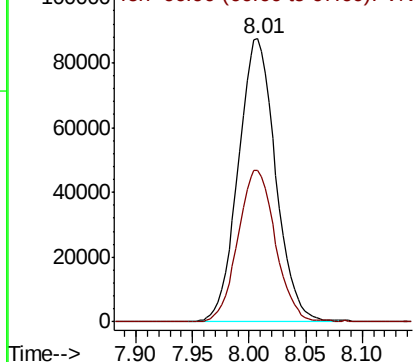


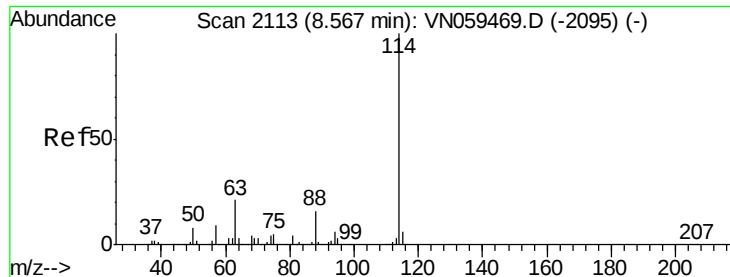
#33
1,2-Dichloroethane-d4
Concen: 48.334 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Tgt Ion: 65 Resp: 200896
Ion Ratio Lower Upper
65 100
67 53.8 0.0 107.4



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

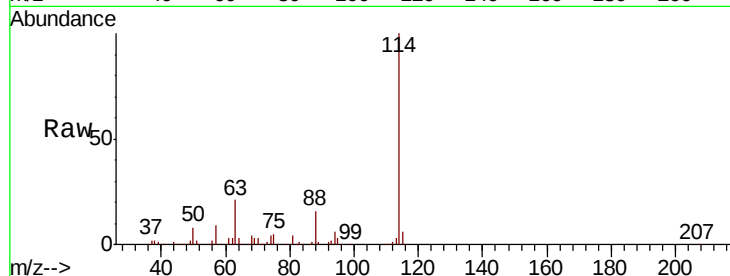




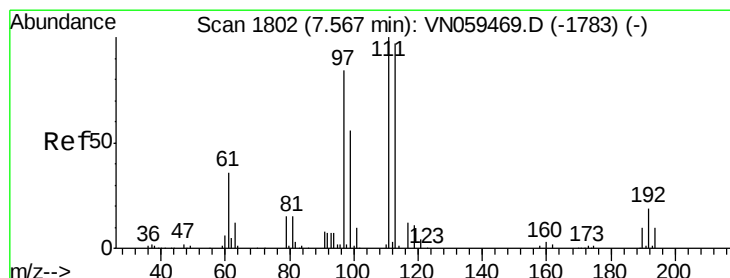
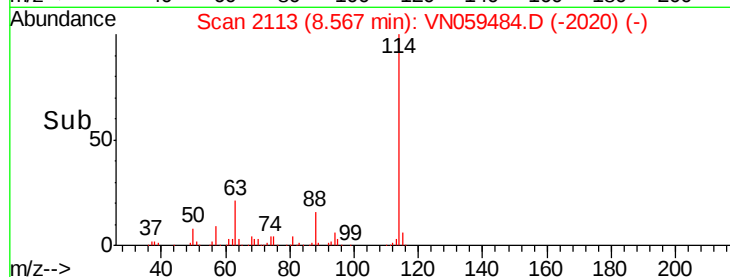
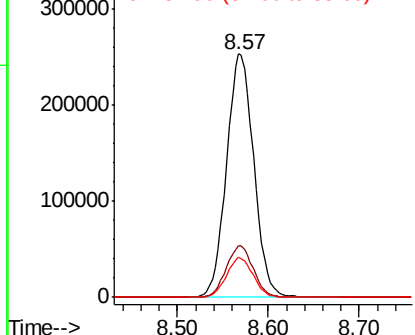
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059484.D
 Acq: 4 Dec 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.4
88	16.4	0.0	32.8

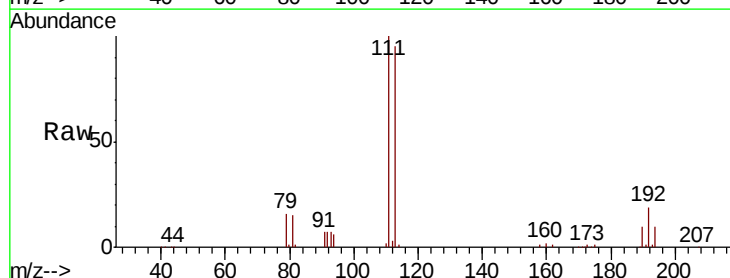


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

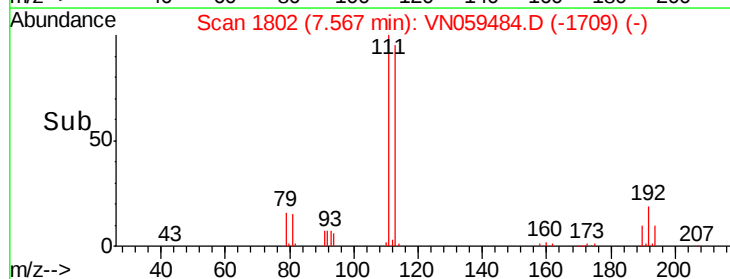
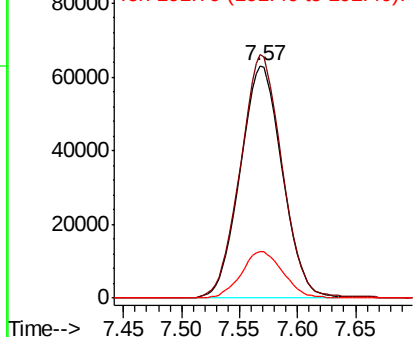


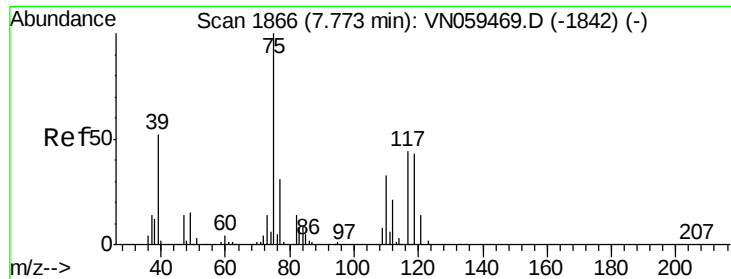
#35
 Dibromofluoromethane
 Concen: 48.575 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059484.D
 Acq: 4 Dec 2019 14:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.5	123.7
192	19.9	16.1	24.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

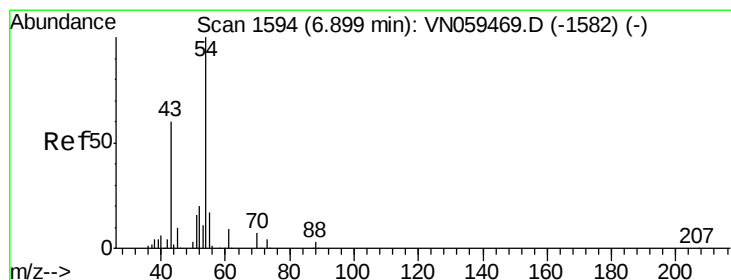
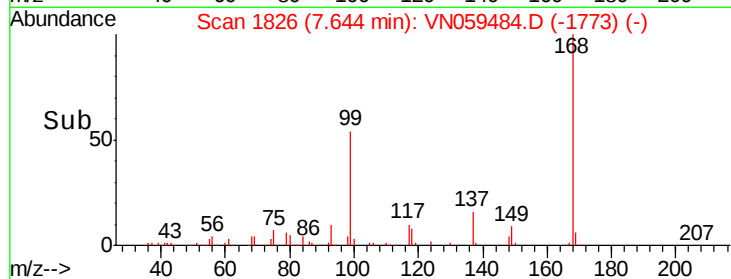
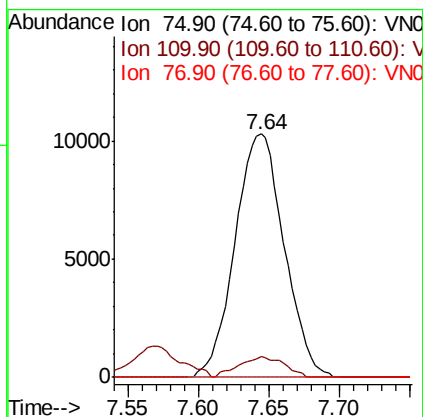
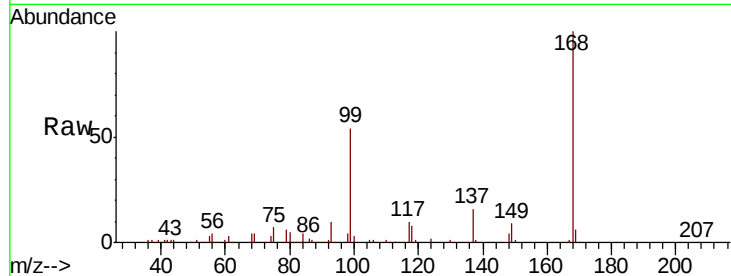




#36
 1,1-Dichloropropene
 Concen: 4.563 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059484.D
 Acq: 4 Dec 2019 14:08

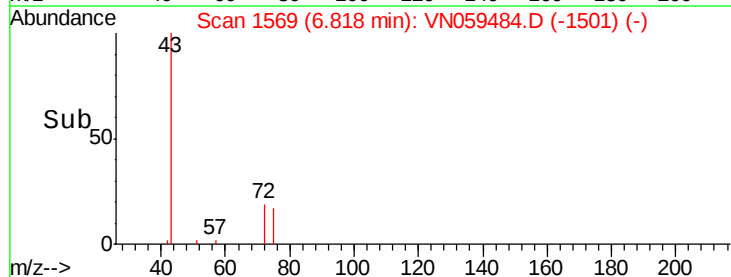
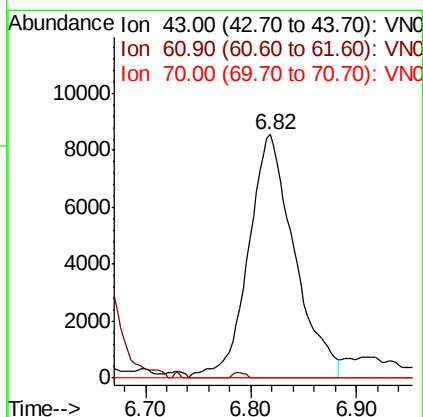
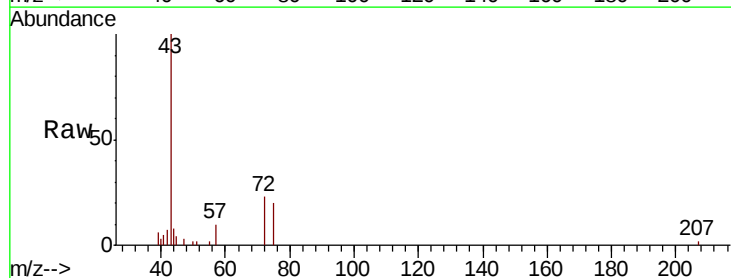
Instrument :
 MSVOA_N
 ClientSampleId :

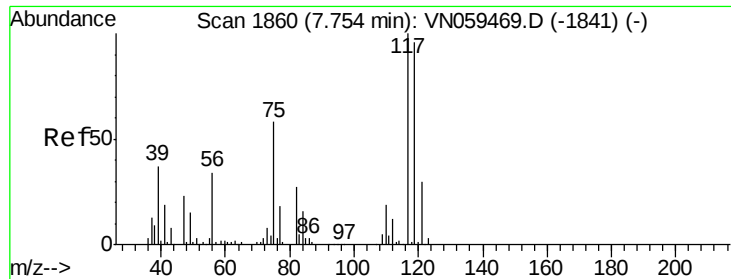
Tot Ion	75	Resp	24983
Ion Ratio	Lower	Upper	
75	100		
110	7.8	16.9	50.7#
77	0.0	25.1	37.7#



#37
 Ethyl Acetate
 Concen: 4.247 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.08 min
 Lab File: VN059484.D
 Acq: 4 Dec 2019 14:08

Tgt Ion	43	Resp	25975
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.3	16.9#
70	0.0	8.3	12.5#





#38

Carbon Tetrachloride

Concen: 6.079 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

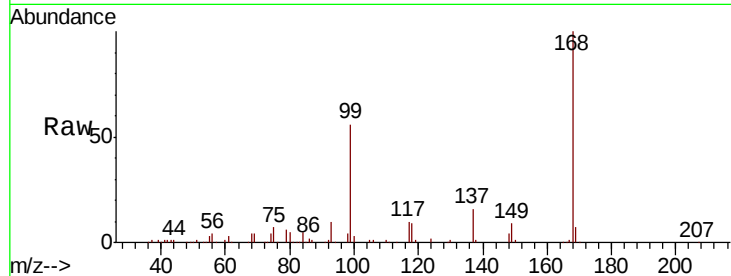
Tot Ion:117 Resp: 32014

Ion Ratio Lower Upper

117 100

119 5.3 76.6 114.8#

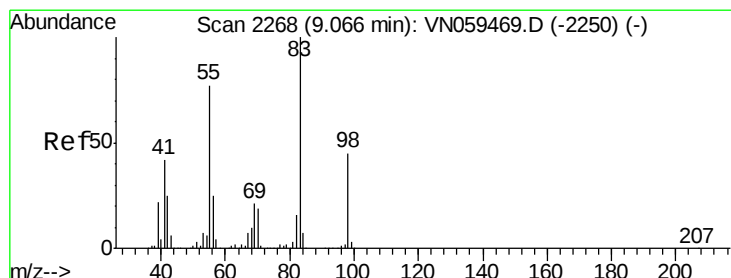
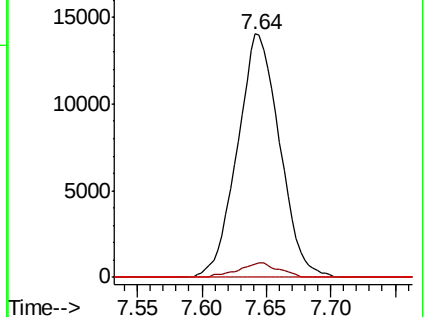
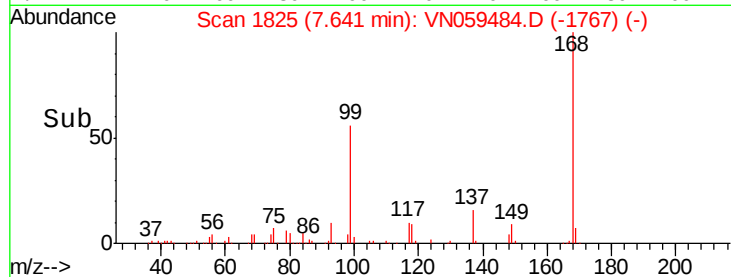
121 0.0 24.0 36.0#



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: 2.555 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

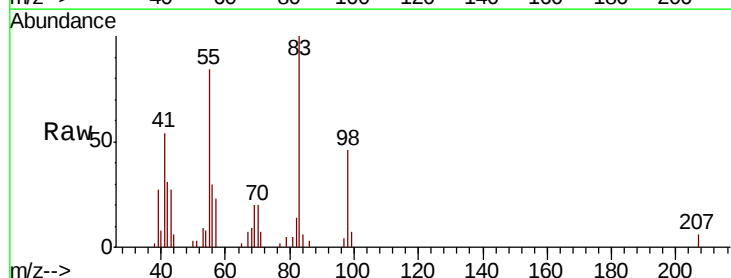
Tgt Ion: 83 Resp: 16836

Ion Ratio Lower Upper

83 100

55 81.5 61.8 92.6

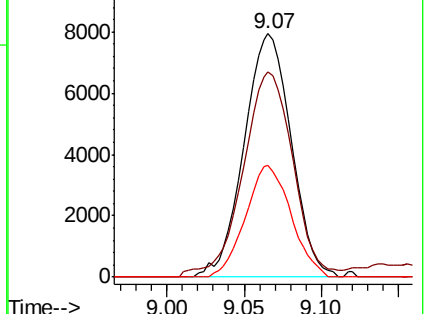
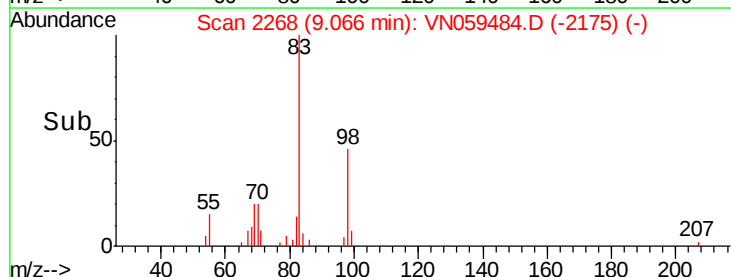
98 46.0 36.2 54.2

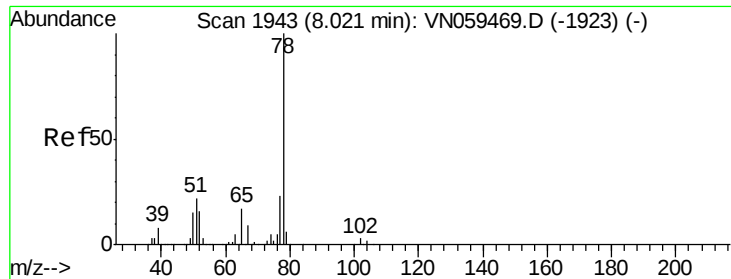


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 67.539 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

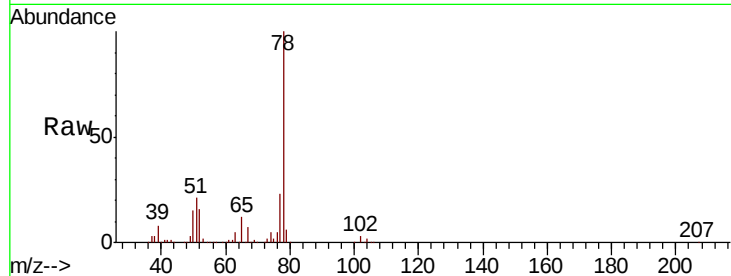
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 78 Resp: 1082872

Ion Ratio Lower Upper

78 100

77 23.2 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.02

500000

400000

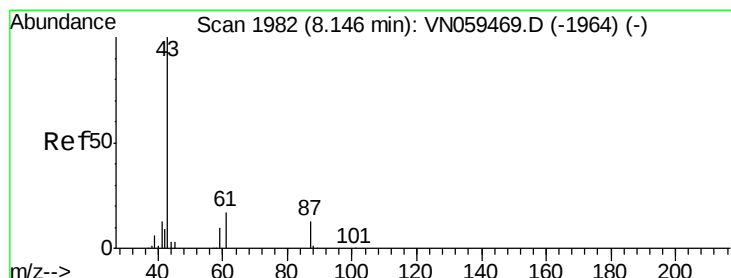
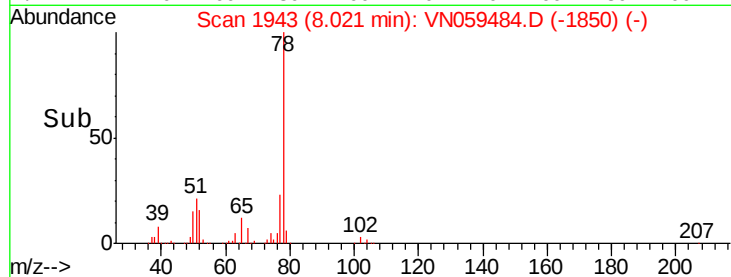
300000

200000

100000

0

Time-->



#43

Isopropyl Acetate

Concen: 1.112 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

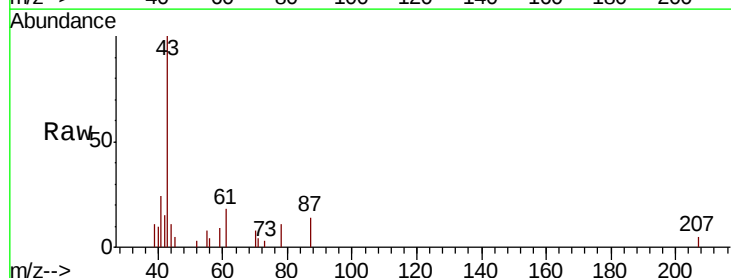
Tgt Ion: 43 Resp: 10111

Ion Ratio Lower Upper

43 100

61 18.5 21.0 31.6#

87 11.8 10.4 15.6



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

8000

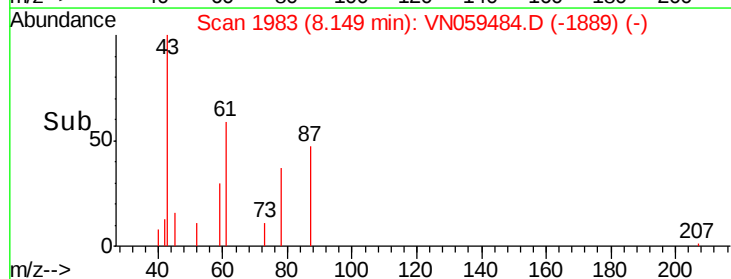
6000

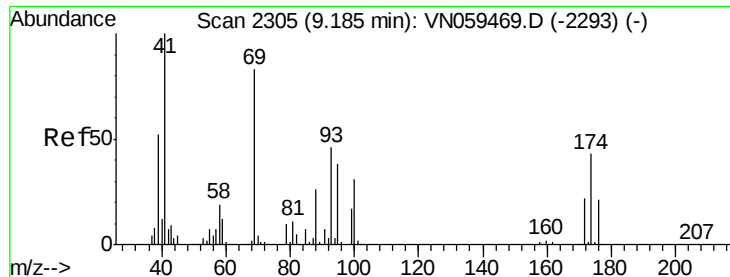
4000

2000

0

Time-->

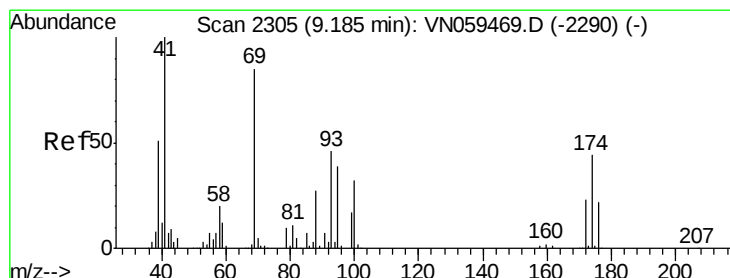
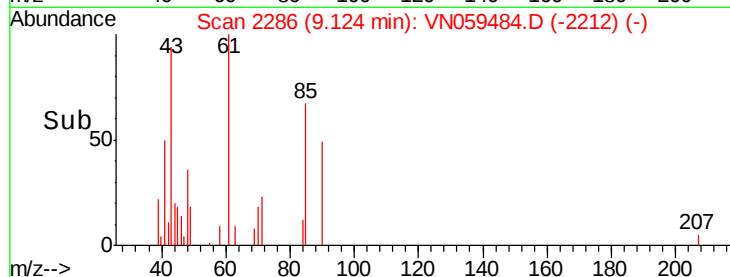
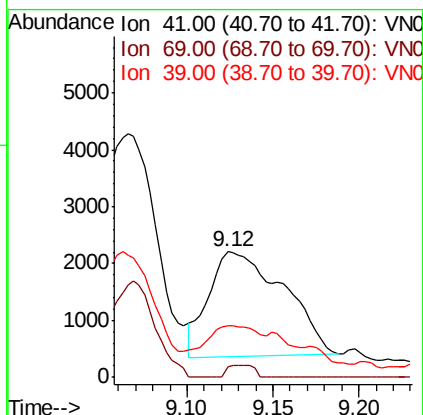
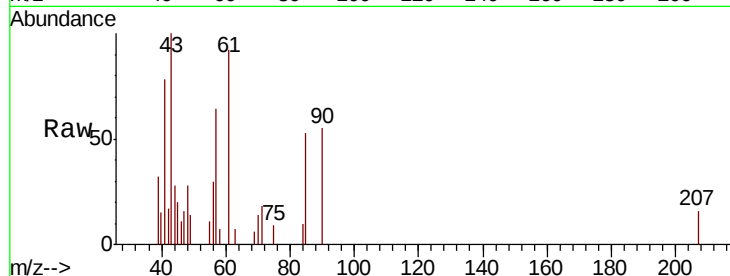




#48
Methvl methacrylate
Concen: 1.361 ug/l
RT: 9.12 min Scan# 2286
Delta R.T. -0.06 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

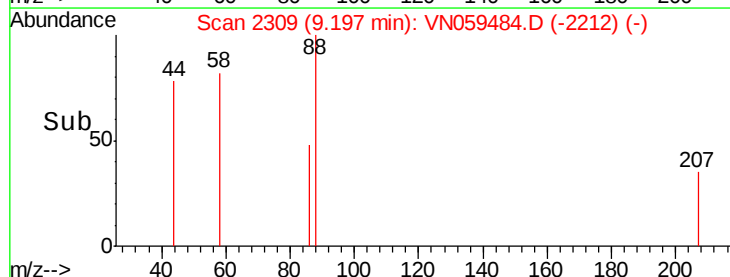
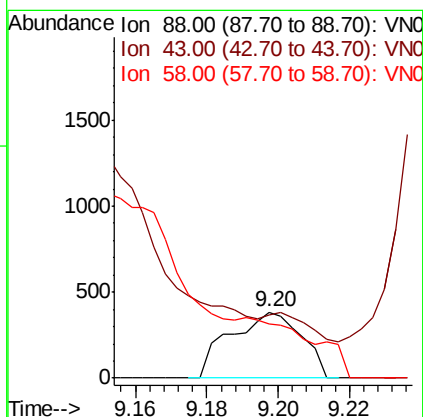
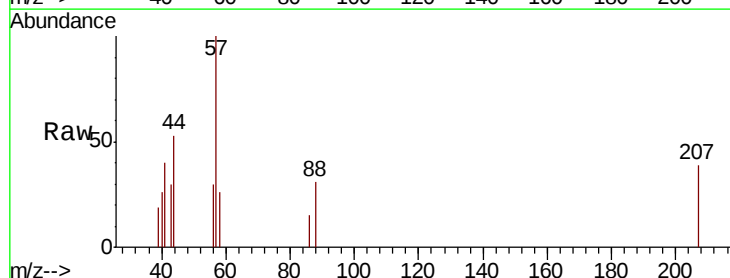
Instrument :
MSVOA_N
ClientSampled :

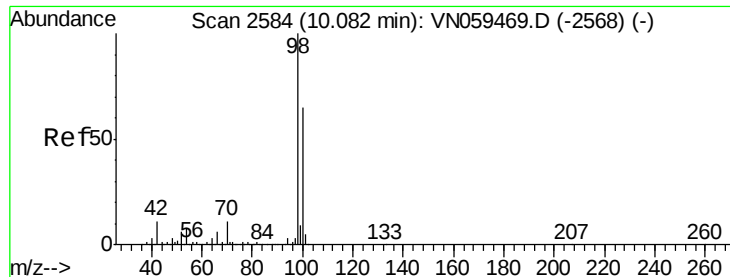
Tot Ion: 41 Resp: 5586
Ion Ratio Lower Upper
41 100
69 4.1 68.6 103.0#
39 13.2 43.2 64.8#



#49
1,4-Dioxane
Concen: 8.551 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.01 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Tgt Ion: 88 Resp: 531
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 0.0 57.8 86.6#





#50

Toluene-d8

Concen: 49.330 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

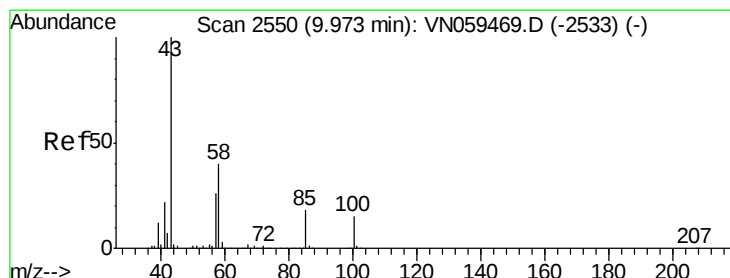
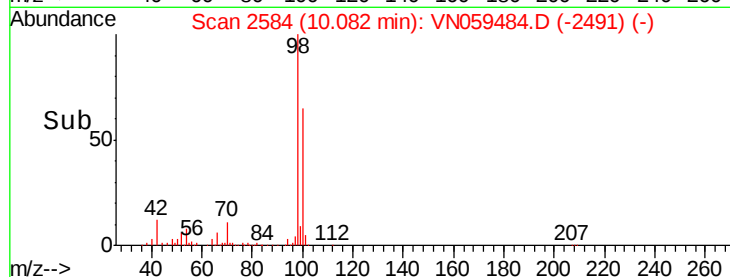
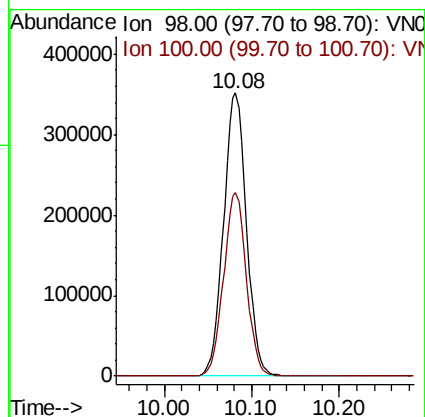
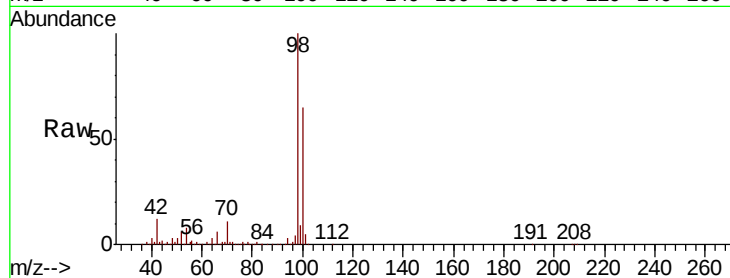
ClientSampled :

Tot Ion: 98 Resp: 637360

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 1.030 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059484.D

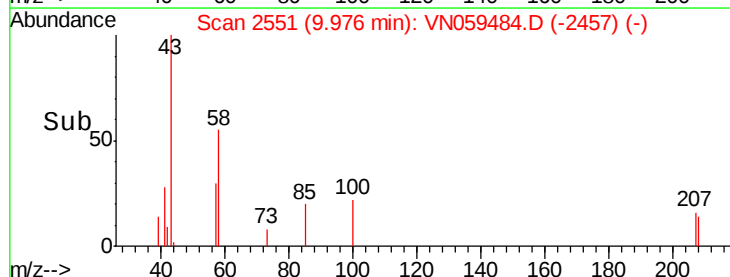
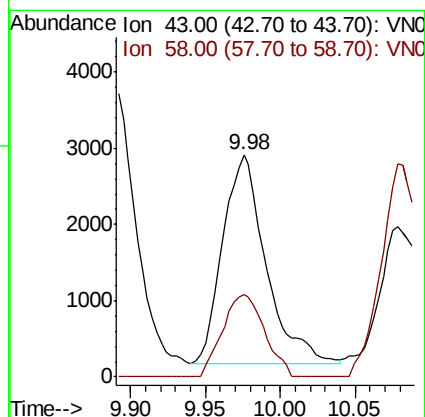
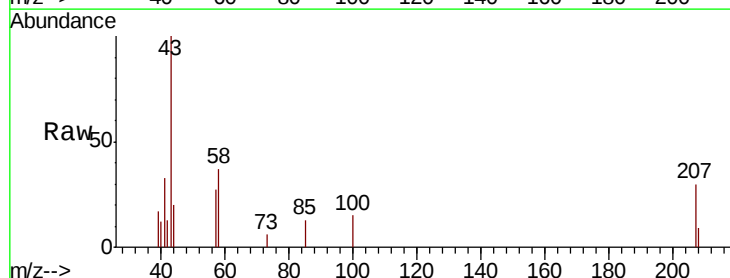
Acq: 4 Dec 2019 14:08

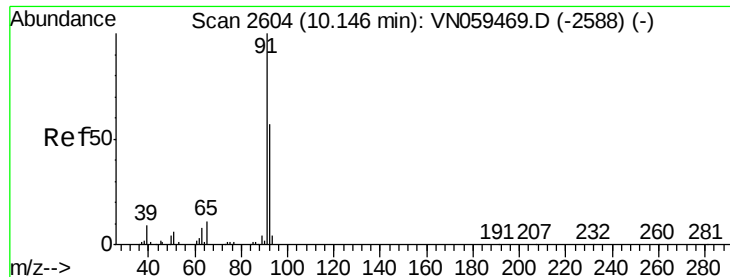
Tgt Ion: 43 Resp: 5564

Ion Ratio Lower Upper

43 100

58 37.9 32.1 48.1





#52

Toluene

Concen: 188.721 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

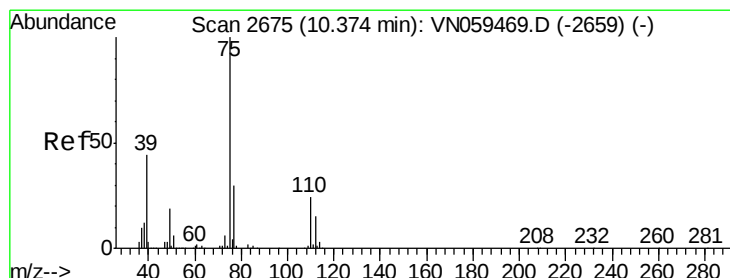
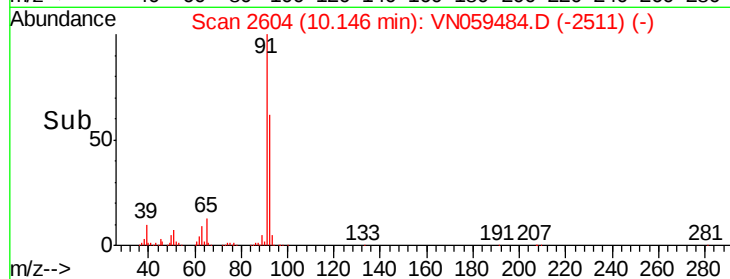
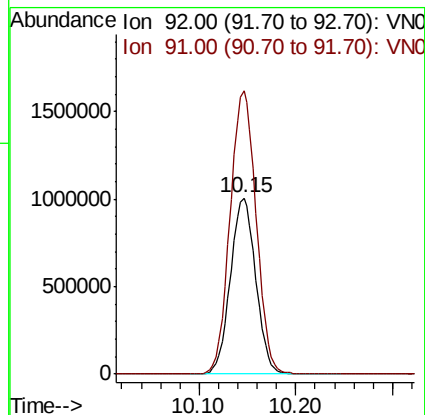
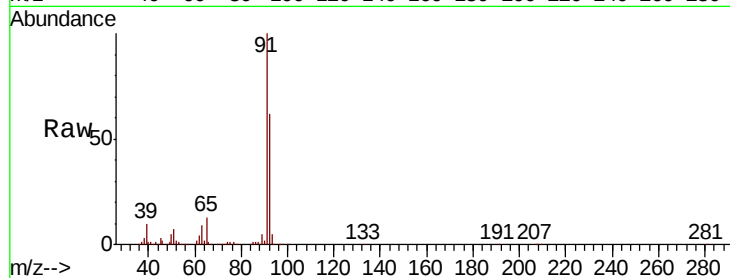
ClientSampleId :

Tot Ion: 92 Resp: 1830011

Ion Ratio Lower Upper

92 100

91 165.6 138.6 208.0



#53

t-1,3-Dichloropropene

Concen: 0.523 ug/l

RT: 10.45 min Scan# 2698

Delta R.T. 0.07 min

Lab File: VN059484.D

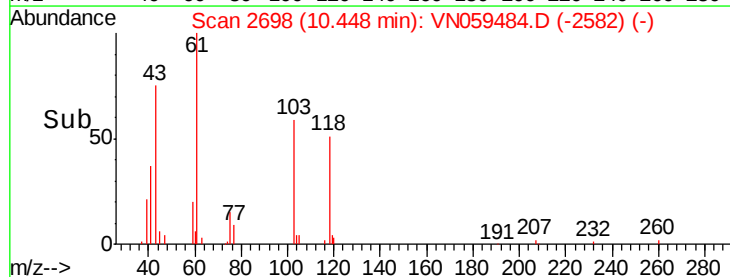
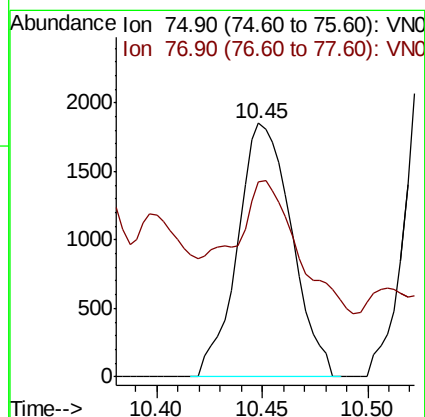
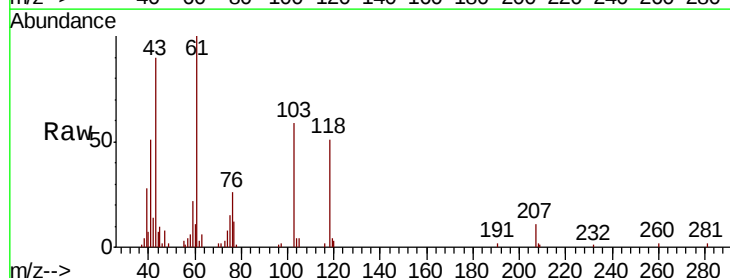
Acq: 4 Dec 2019 14:08

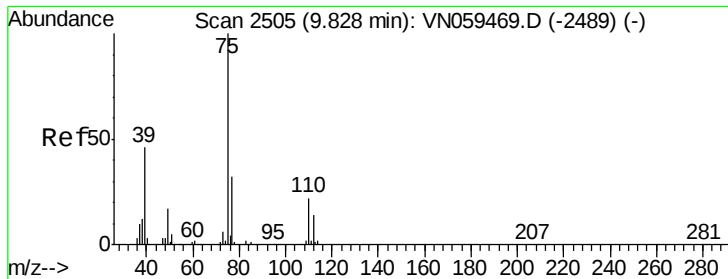
Tgt Ion: 75 Resp: 3289

Ion Ratio Lower Upper

75 100

77 46.4 25.0 37.6#



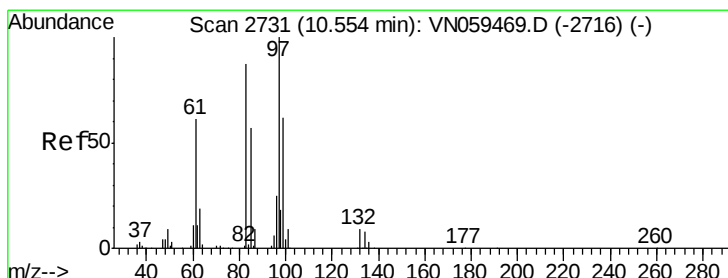
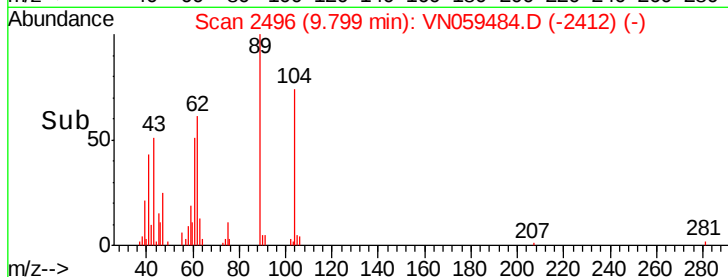
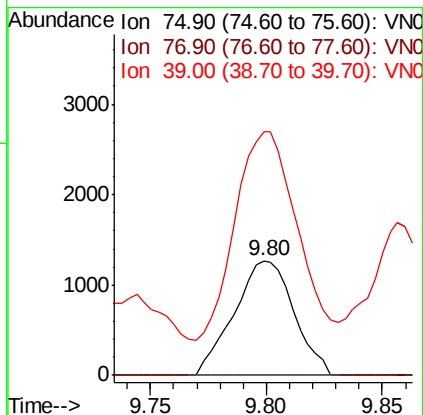
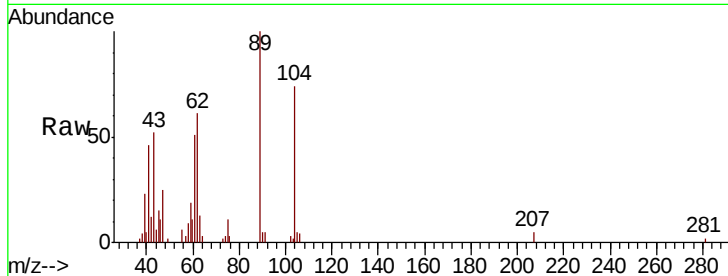


#54

cis-1,3-Dichloropropene
Concen: 0.340 ug/l
RT: 9.80 min Scan# 2496
Delta R.T. -0.03 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :

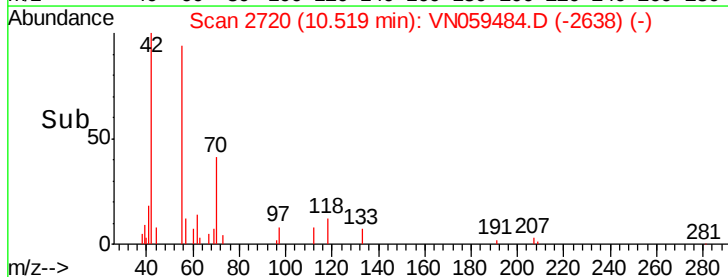
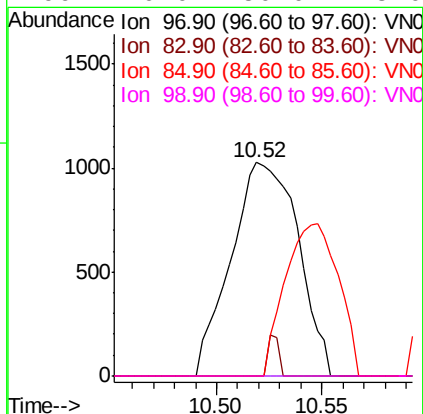
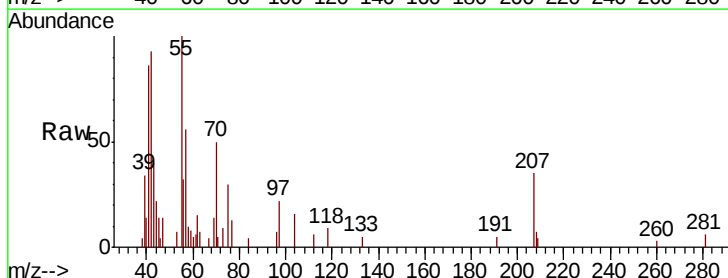
Tot Ion: 75 Resp: 2267
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 180.2 36.6 54.8#

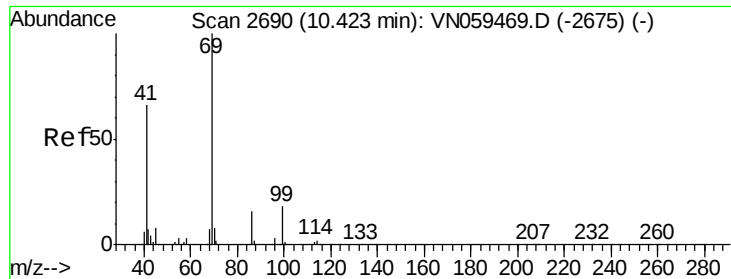


#55

1,1,2-Trichloroethane
Concen: 0.595 ug/l
RT: 10.52 min Scan# 2720
Delta R.T. -0.04 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Tgt Ion: 97 Resp: 2274
Ion Ratio Lower Upper
97 100
83 0.0 69.8 104.8#
85 0.0 45.5 68.3#
99 0.0 50.0 75.0#





#56

Ethyl methacrylate

Concen: 1.589 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

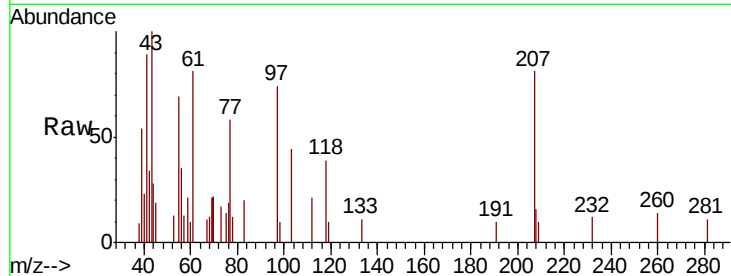
Tot Ion: 69 Resp: 875

Ion Ratio Lower Upper

69 100

41 0.0 52.7 79.1#

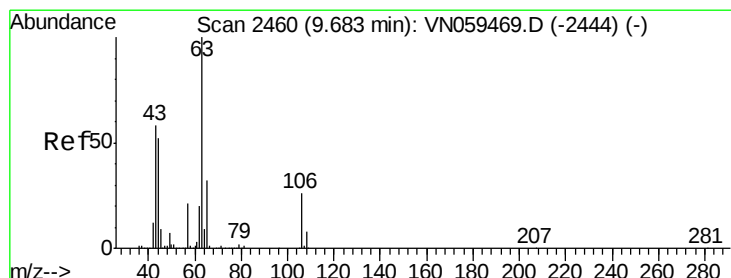
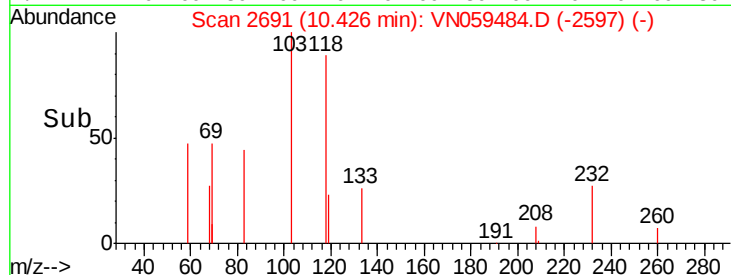
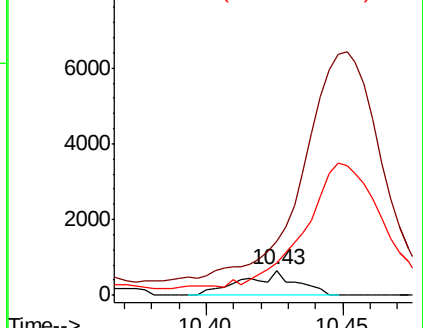
39 0.0 25.0 37.6#



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: 17.251 ug/l

RT: 9.80 min Scan# 2497

Delta R.T. 0.12 min

Lab File: VN059484.D

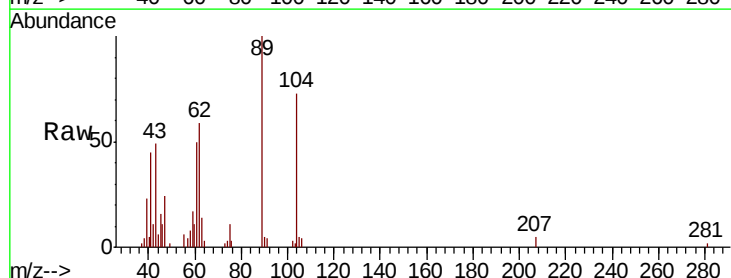
Acq: 4 Dec 2019 14:08

Tgt Ion: 63 Resp: 3263

Ion Ratio Lower Upper

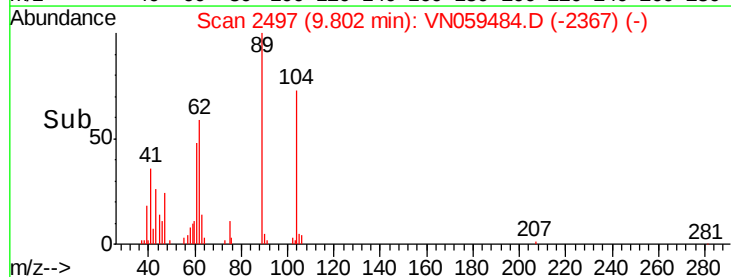
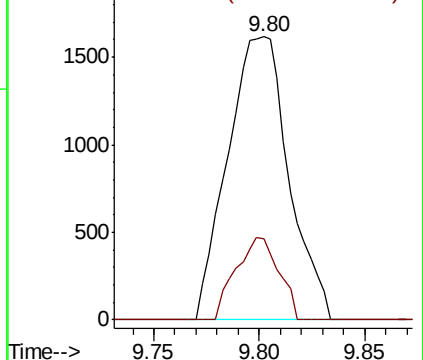
63 100

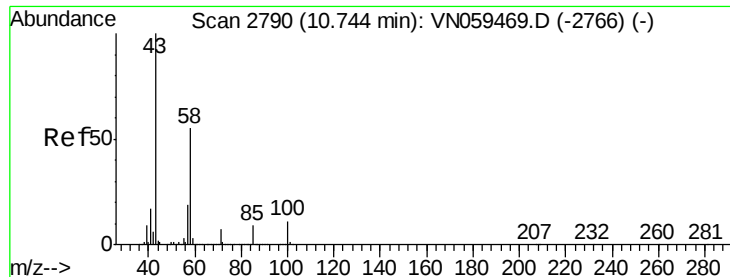
106 20.5 20.4 30.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

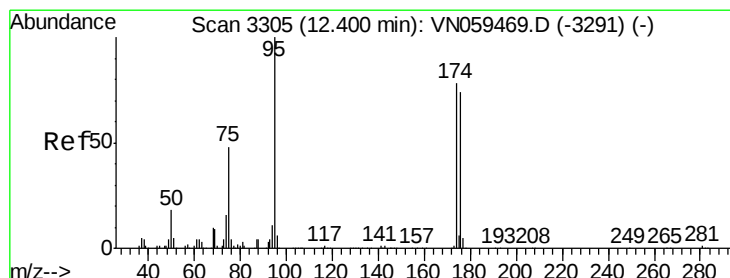
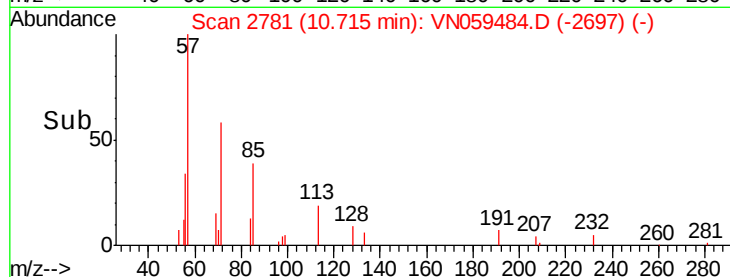
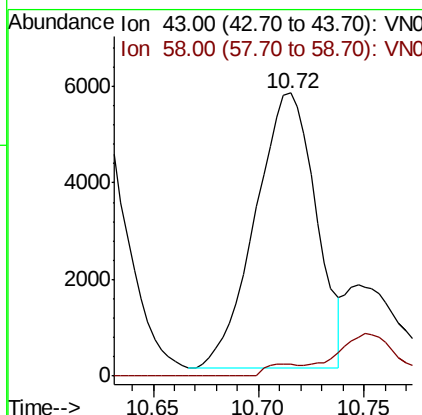
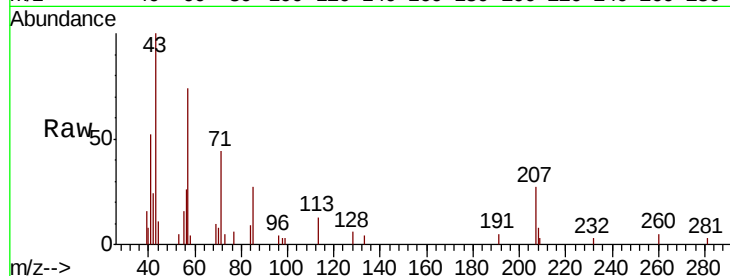




#59
2-Hexanone
Concen: 2.811 ug/l
RT: 10.72 min Scan# 2781
Delta R.T. -0.03 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

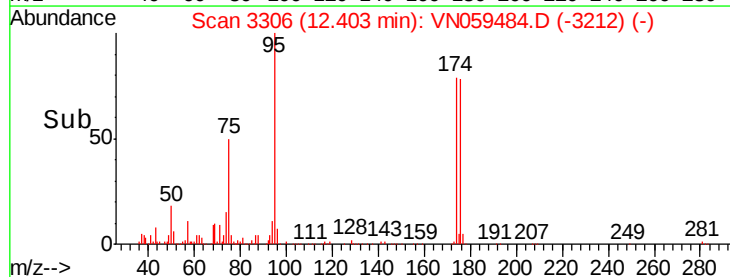
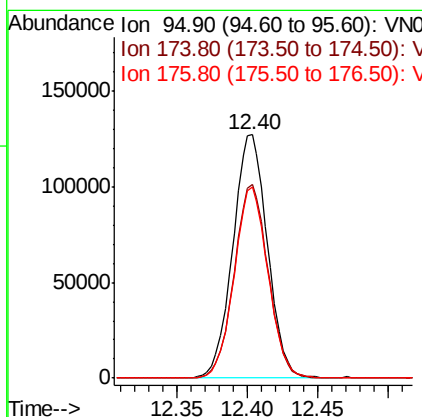
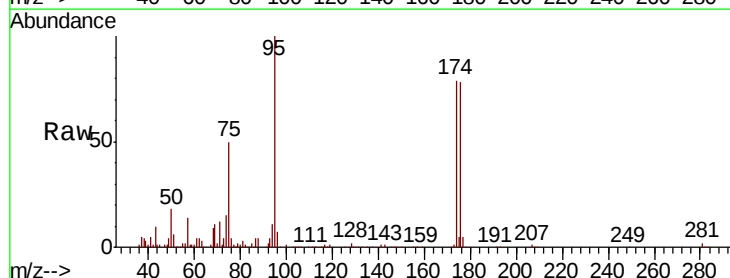
Instrument :
MSVOA_N
ClientSampleId :

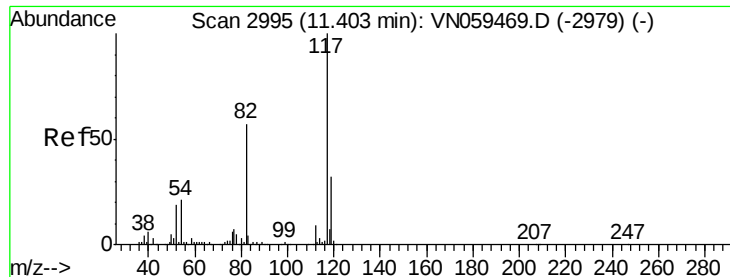
Tot Ion: 43 Resp: 11423
Ion Ratio Lower Upper
43 100
58 0.0 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 48.216 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Tgt Ion: 95 Resp: 217560
Ion Ratio Lower Upper
95 100
174 78.6 0.0 157.0
176 77.2 0.0 152.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

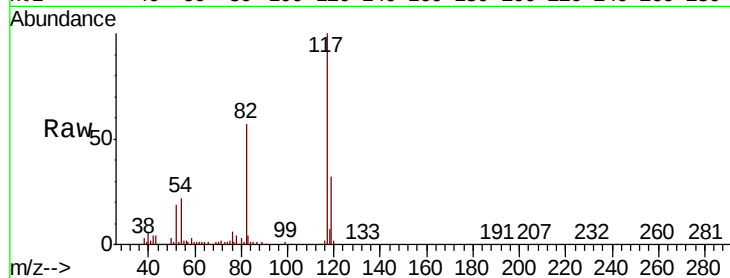
Tot Ion:117 Resp: 469203

Ion Ratio Lower Upper

117 100

82 57.1 45.8 68.8

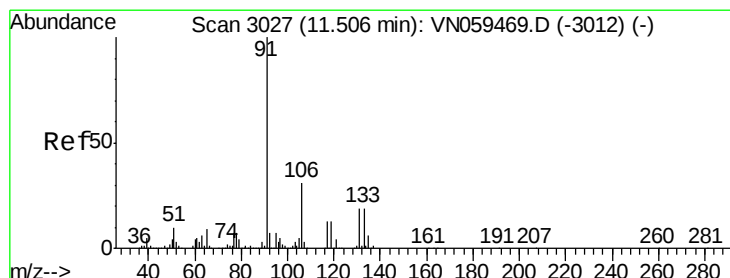
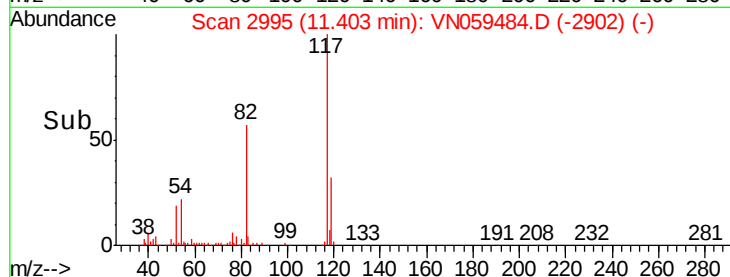
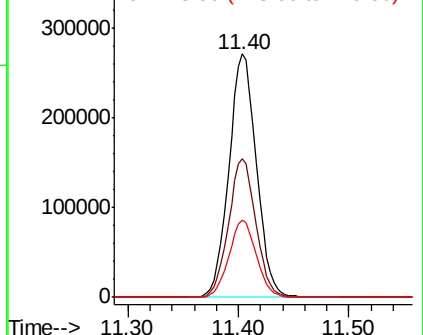
119 31.8 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 7.689 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059484.D

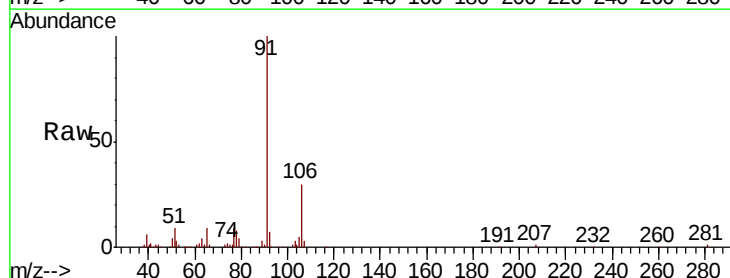
Acq: 4 Dec 2019 14:08

Tgt Ion: 91 Resp: 138186

Ion Ratio Lower Upper

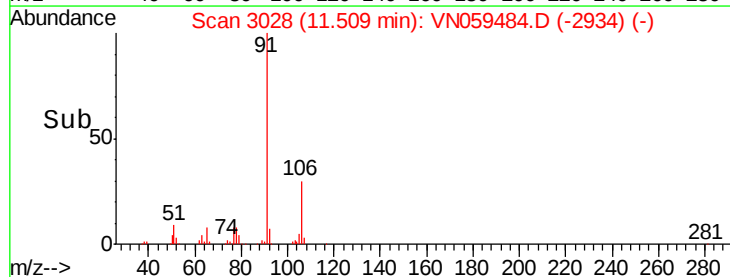
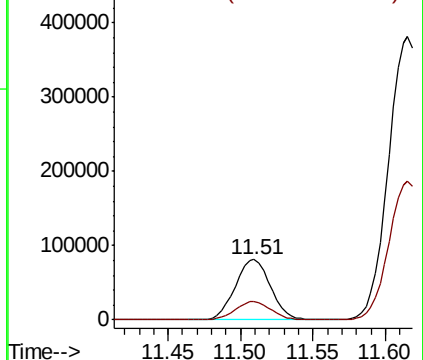
91 100

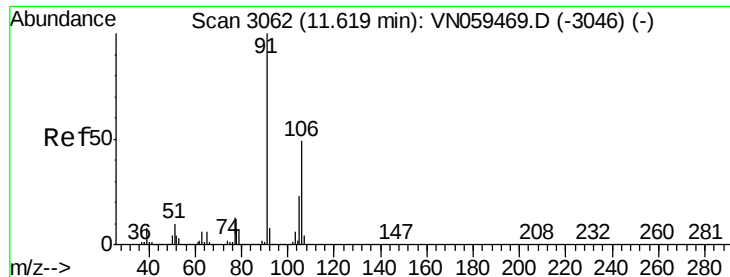
106 30.2 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

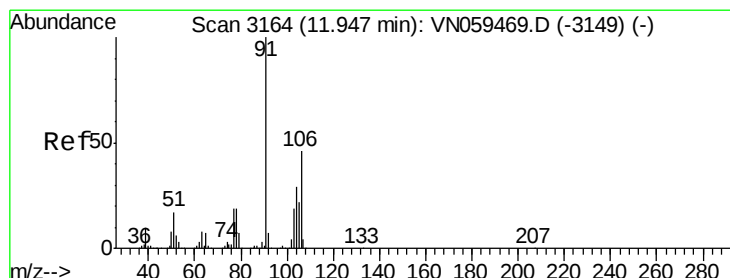
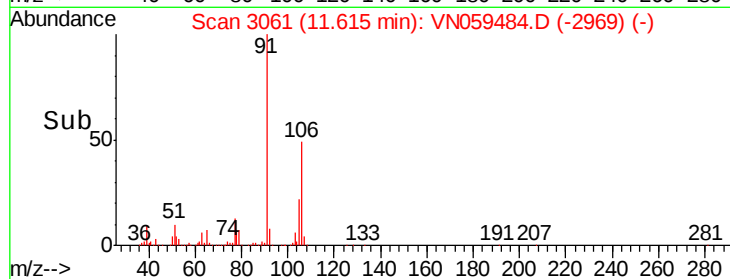
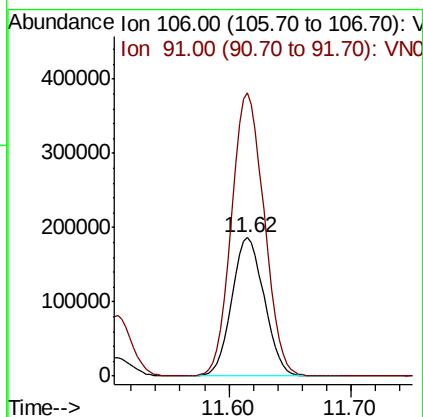
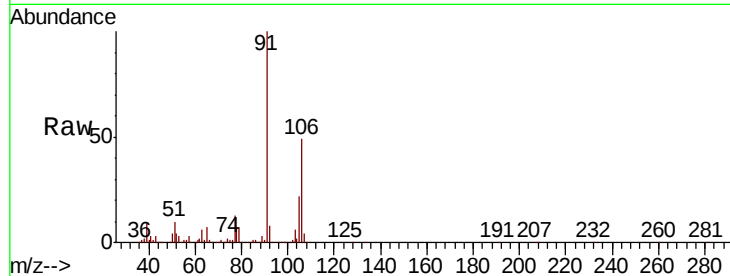




#68
m/p-Xylenes
Concen: 51.474 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

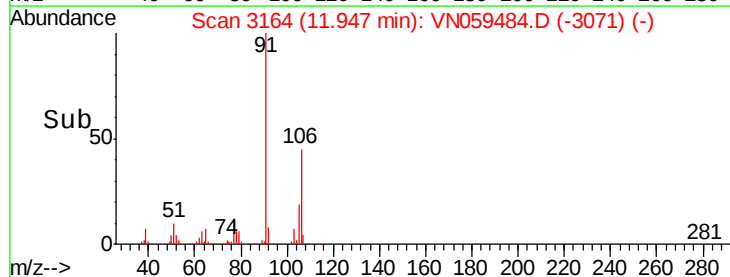
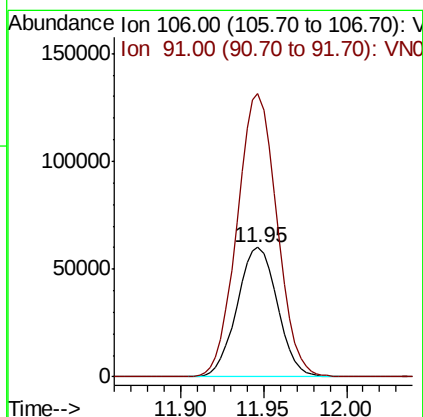
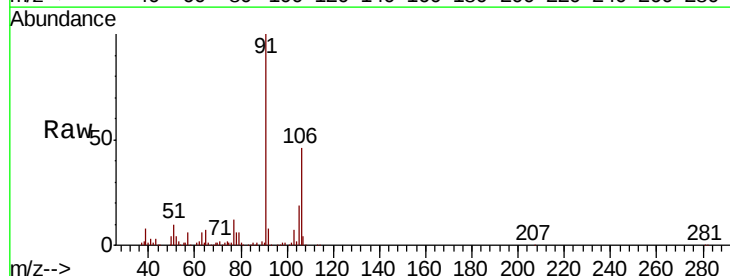
Instrument :
MSVOA_N
ClientSampled :

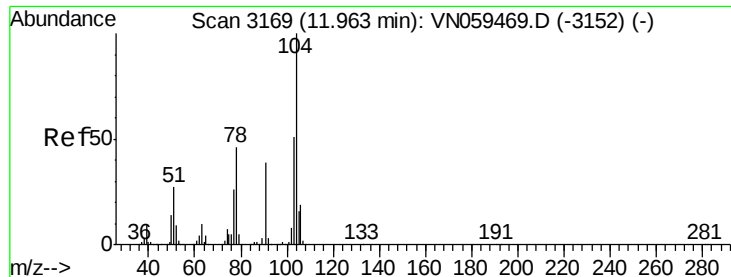
Tot Ion:106 Resp: 344449
Ion Ratio Lower Upper
106 100
91 205.9 162.2 243.4



#69
o-Xylene
Concen: 15.991 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Tgt Ion:106 Resp: 101873
Ion Ratio Lower Upper
106 100
91 216.7 108.5 325.3





#70

Stvrene

Concen: 0.523 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.02 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

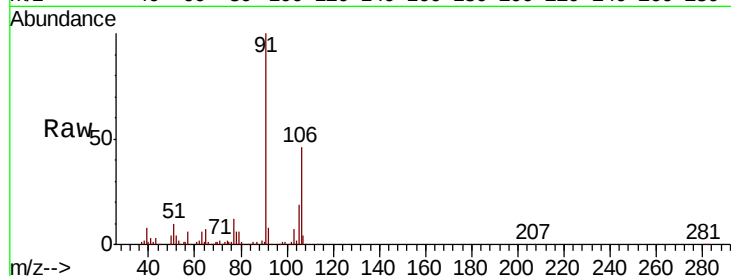
Tot Ion:104 Resp: 5320

Ion Ratio Lower Upper

104 100

78 286.1 41.0 61.4#

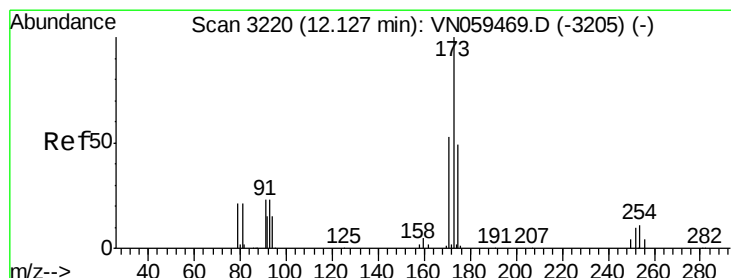
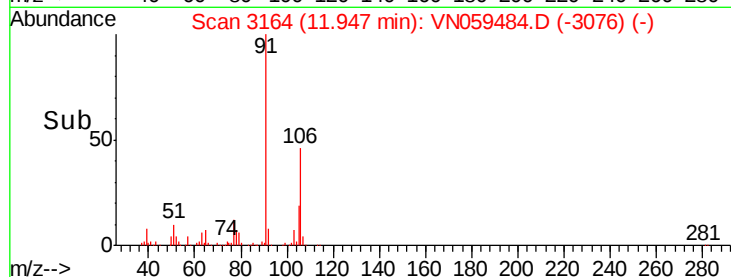
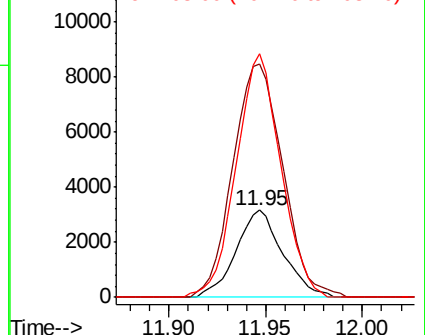
103 266.8 44.7 67.1#



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: 0.341 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

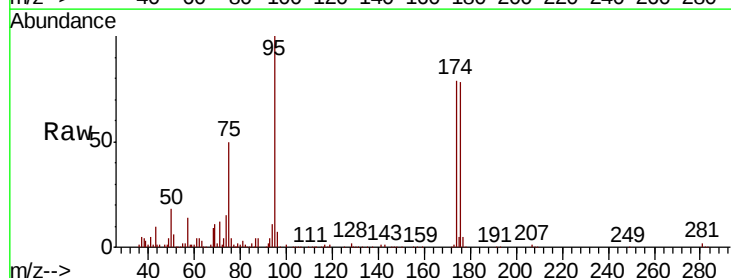
Tgt Ion:173 Resp: 979

Ion Ratio Lower Upper

173 100

175 1034.6 24.3 73.0#

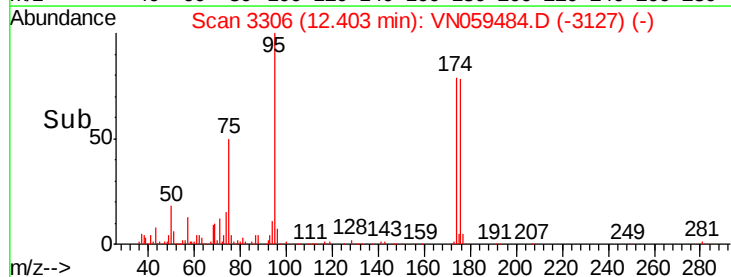
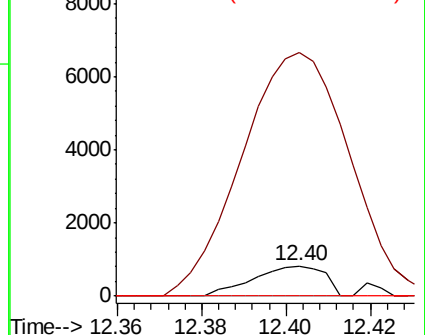
254 0.0 0.0 0.0

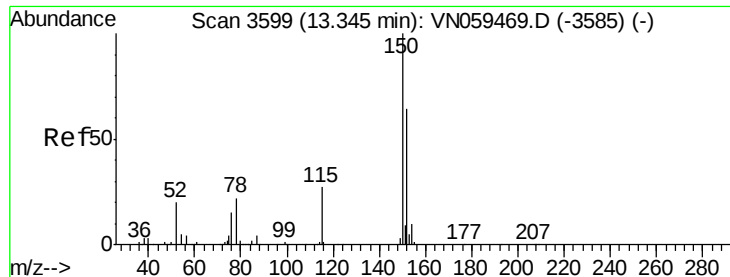


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

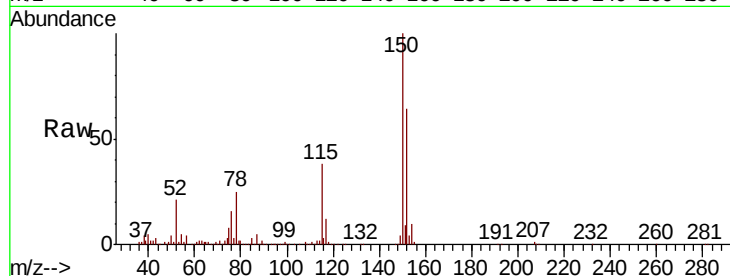
Tot Ion:152 Resp: 195529

Ion Ratio Lower Upper

152 100

115 59.9 29.2 87.6

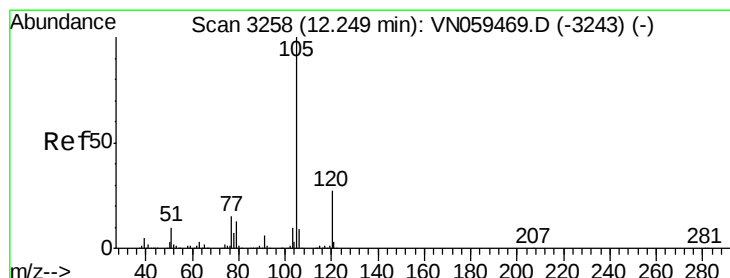
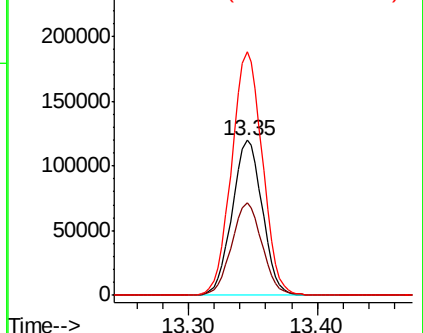
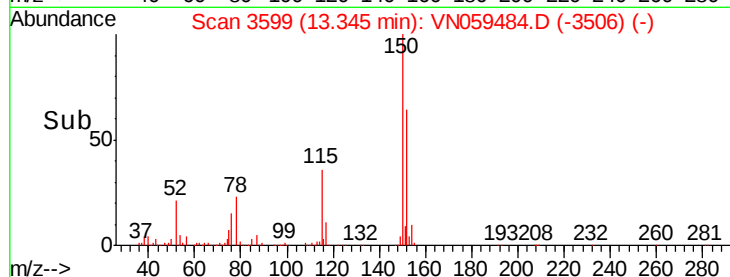
150 159.5 0.0 352.8



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



#73

Isopropylbenzene

Concen: 1.111 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059484.D

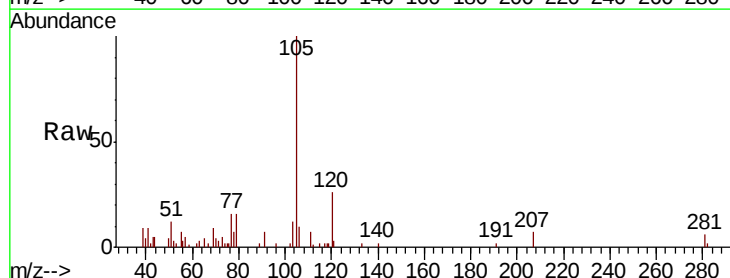
Acq: 4 Dec 2019 14:08

Tgt Ion:105 Resp: 17416

Ion Ratio Lower Upper

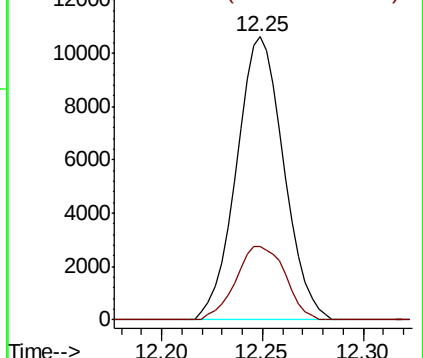
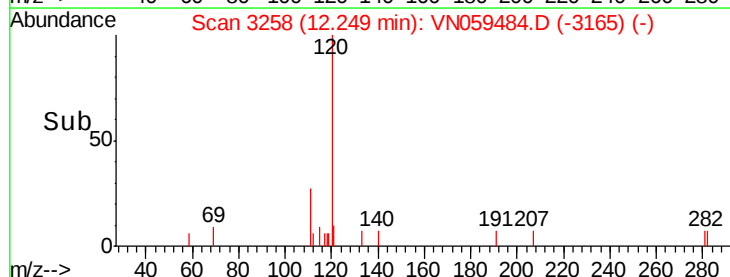
105 100

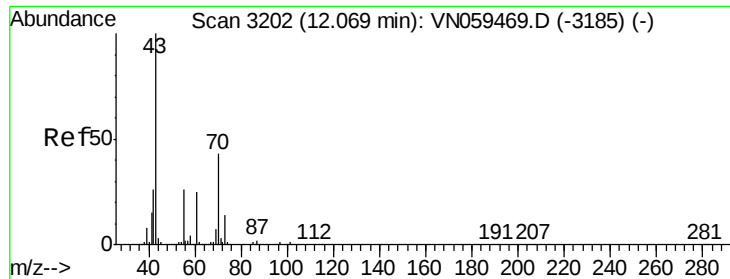
120 27.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.784 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 11270

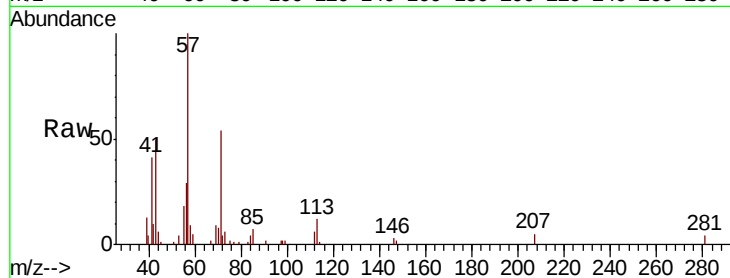
Ion Ratio Lower Upper

43 100

70 13.0 34.2 51.2#

55 0.0 20.6 31.0#

61 0.0 19.3 28.9#

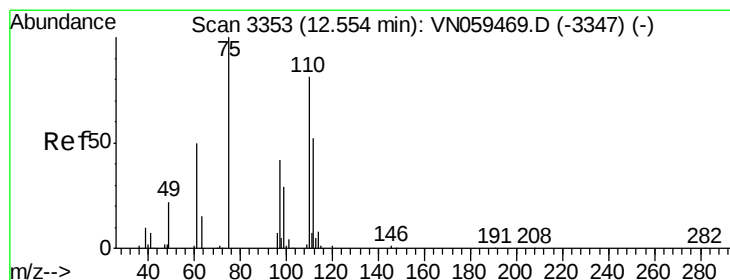
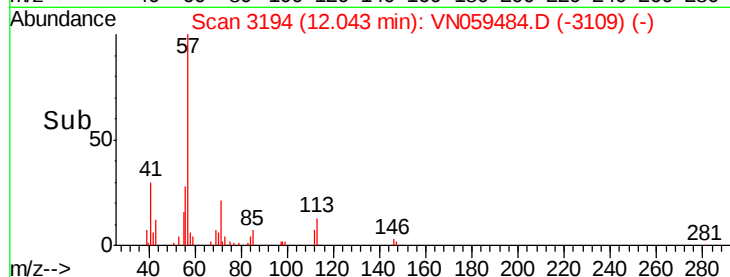
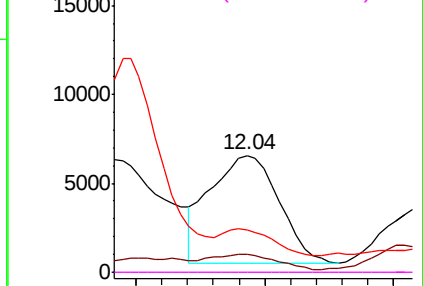


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#76

1,2,3-Trichloropropane

Concen: 22.222 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059484.D

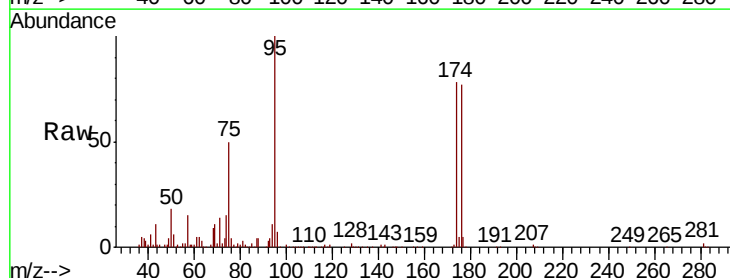
Acq: 4 Dec 2019 14:08

Tgt Ion: 75 Resp: 108034

Ion Ratio Lower Upper

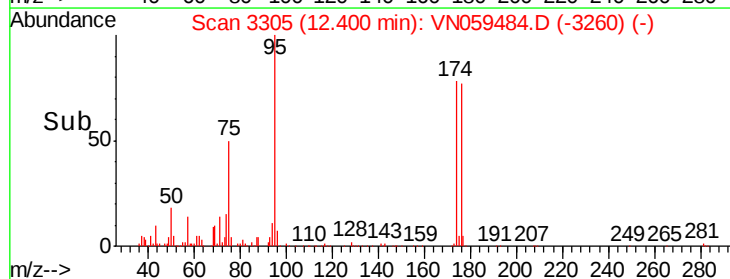
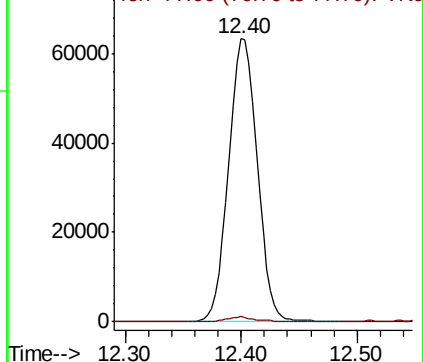
75 100

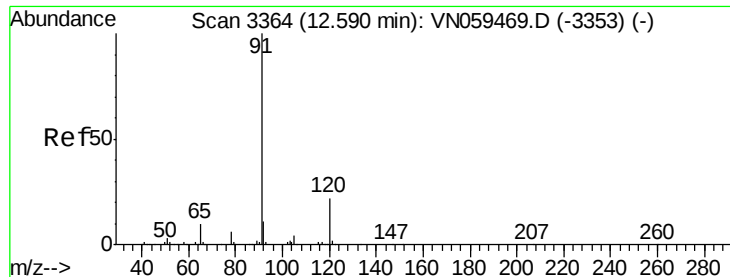
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 1.036 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

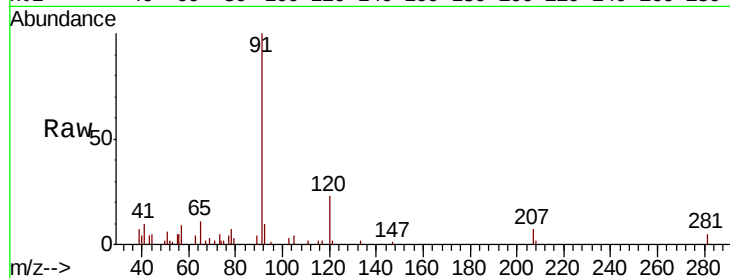
ClientSampleId :

Tot Ion: 91 Resp: 18907

Ion Ratio Lower Upper

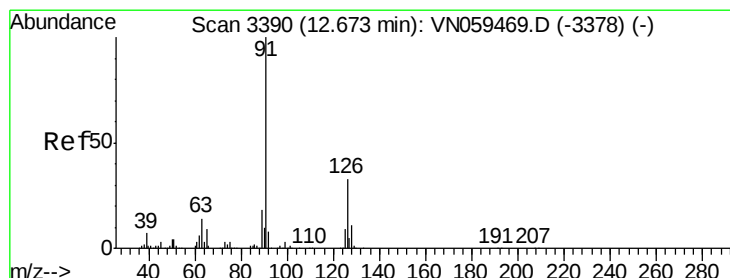
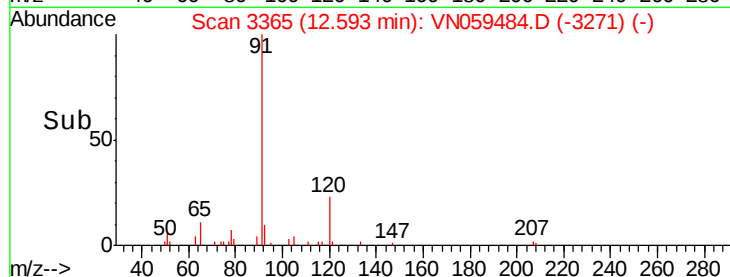
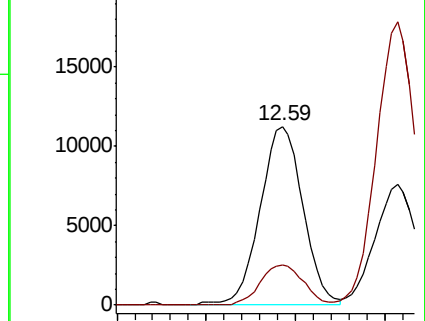
91 100

120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.030 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN059484.D

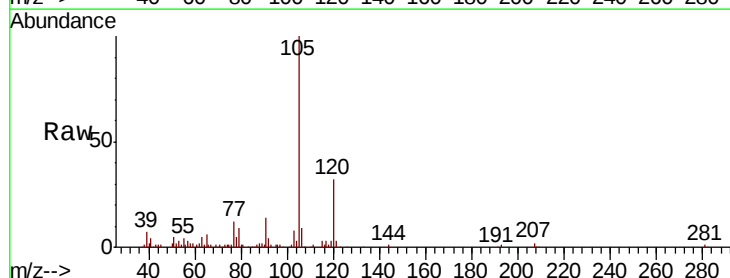
Acq: 4 Dec 2019 14:08

Tgt Ion: 91 Resp: 11331

Ion Ratio Lower Upper

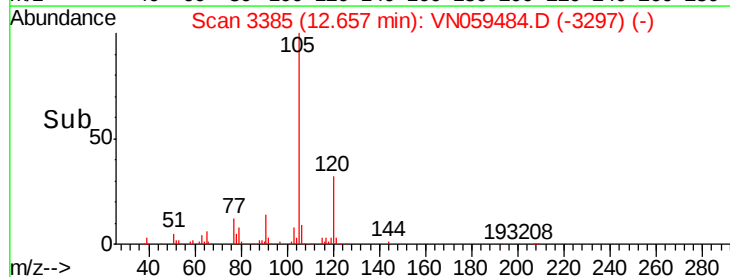
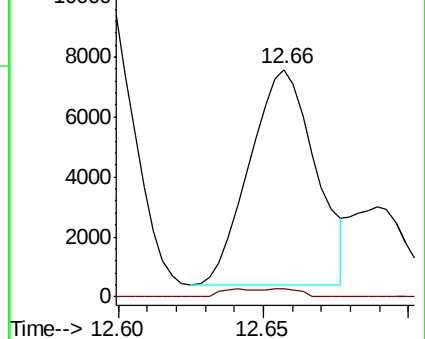
91 100

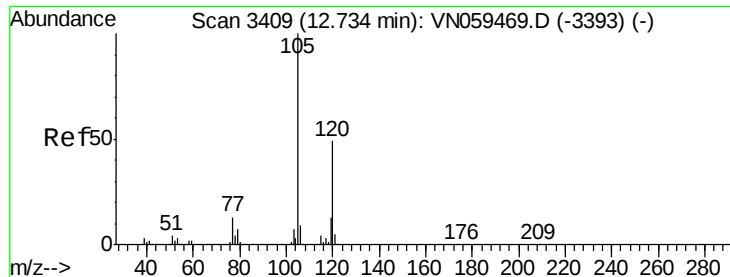
126 1.9 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 6.380 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

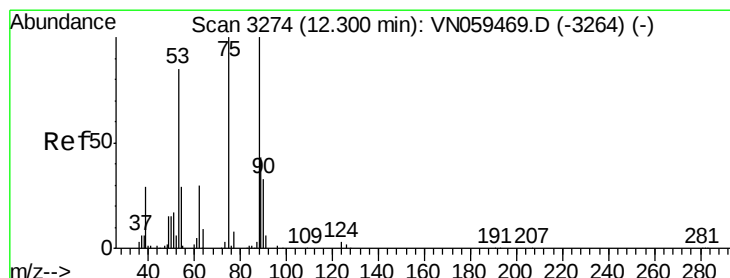
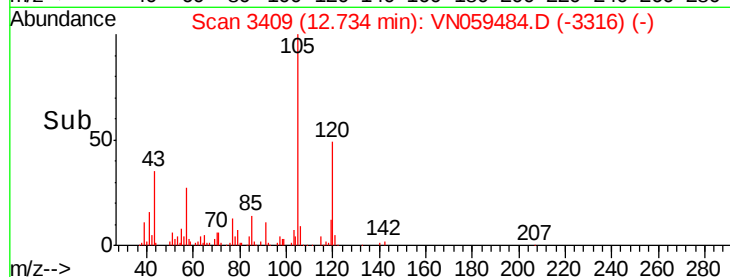
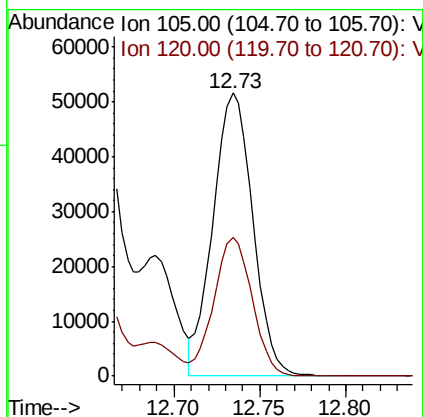
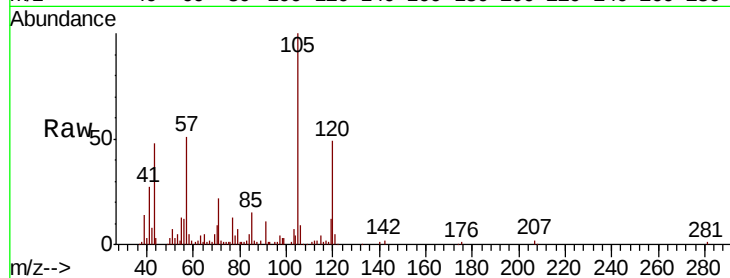
ClientSampled :

Tot Ion:105 Resp: 83602

Ion Ratio Lower Upper

105 100

120 47.0 24.3 73.0



#81

trans-1,4-Dichloro-2-butene

Concen: 58.317 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

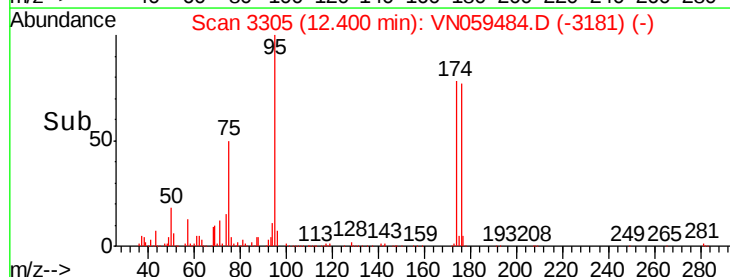
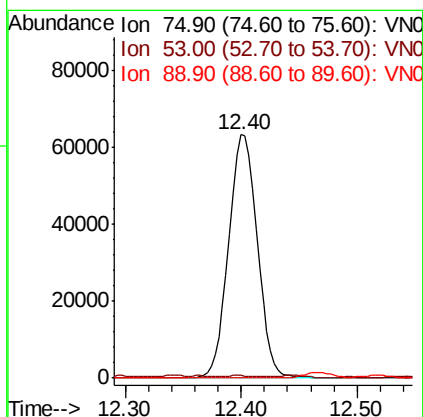
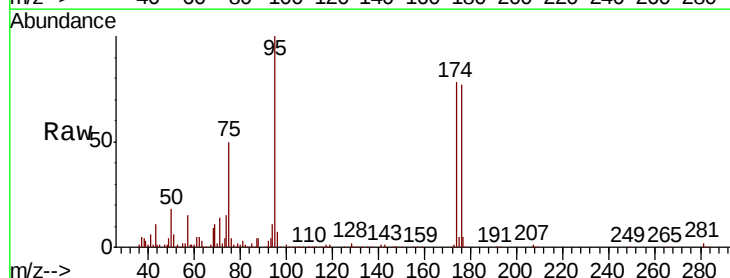
Tgt Ion: 75 Resp: 108034

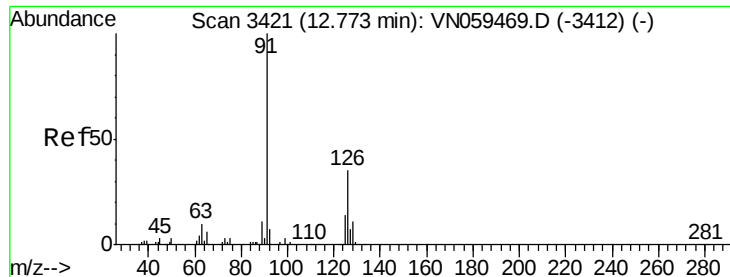
Ion Ratio Lower Upper

75 100

53 0.4 69.8 104.6#

89 0.0 35.2 52.8#





#82

4-Chlorotoluene

Concen: 0.710 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

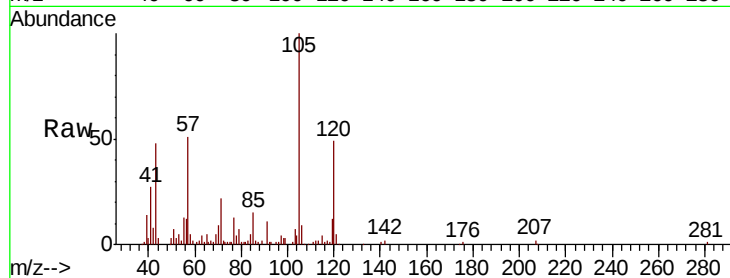
ClientSampled :

Tot Ion: 91 Resp: 8054

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.2#

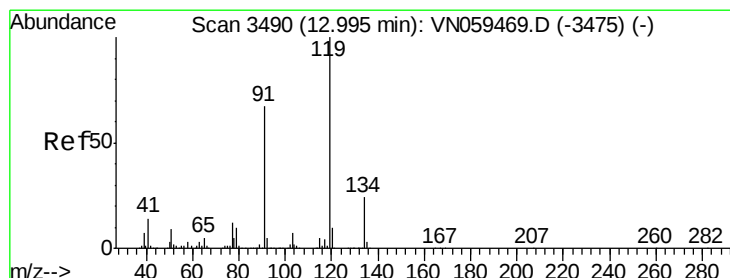
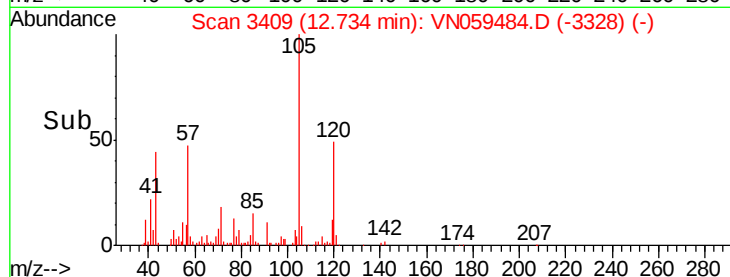


Abundance Ion 91.00 (90.70 to 91.70): VN059469.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN059469.D (-3412) (-)

12.73

Time-->



#83

tert-Butylbenzene

Concen: 1.343 ug/l

RT: 13.24 min Scan# 3565

Delta R.T. 0.24 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

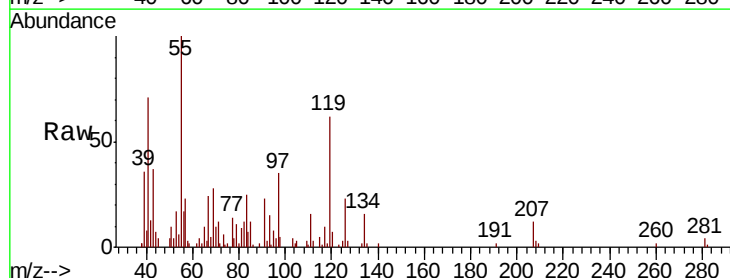
Tgt Ion: 119 Resp: 15281

Ion Ratio Lower Upper

119 100

91 54.3 32.6 97.7

134 25.8 12.6 37.6



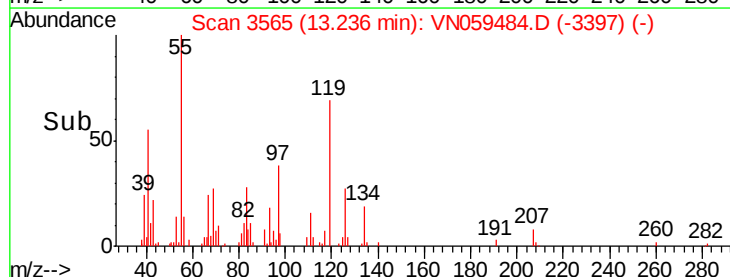
Abundance Ion 119.00 (118.70 to 119.70): VN059469.D (-3475) (-)

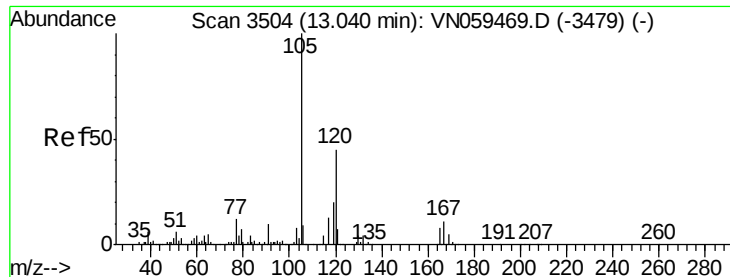
Ion 91.00 (90.70 to 91.70): VN059469.D (-3475) (-)

Ion 134.00 (133.70 to 134.70): VN059469.D (-3475) (-)

13.24

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 12.521 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

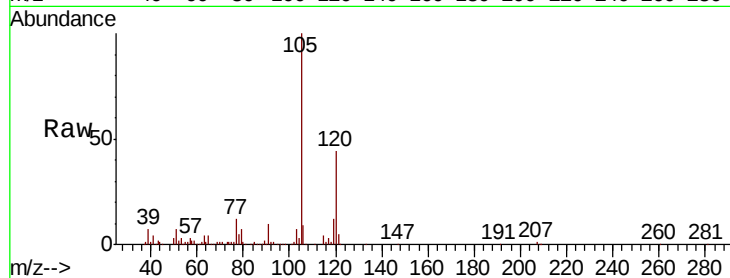
ClientSampled :

Tot Ion:105 Resp: 160351

Ion Ratio Lower Upper

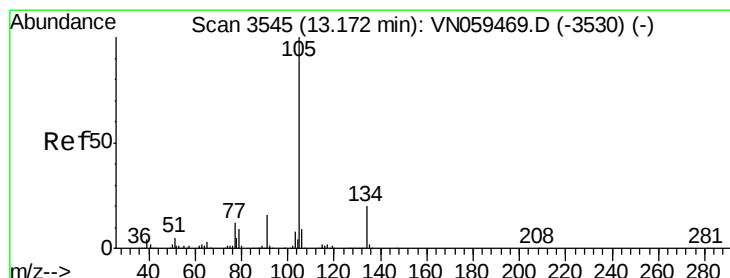
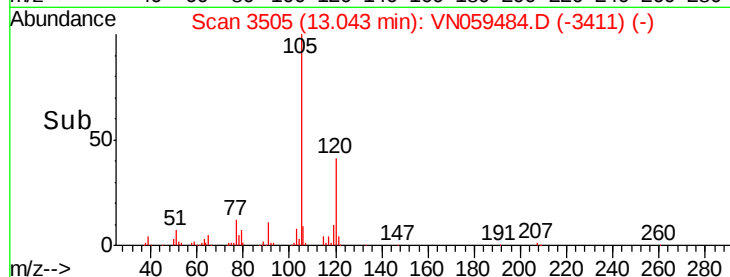
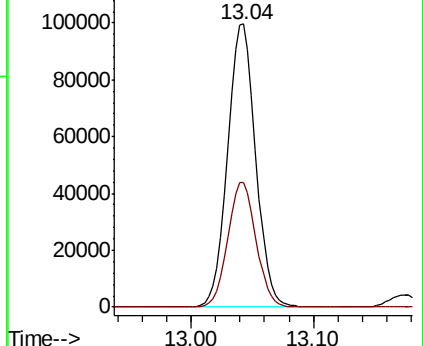
105 100

120 44.0 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.480 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059484.D

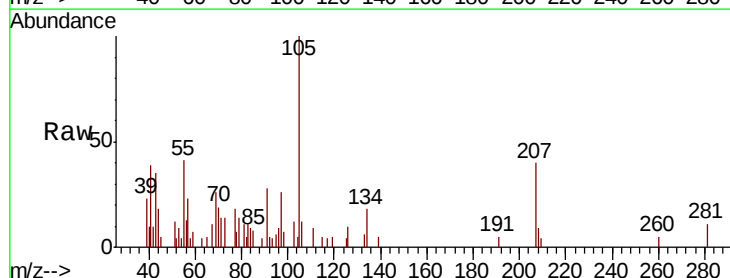
Acq: 4 Dec 2019 14:08

Tgt Ion:105 Resp: 7232

Ion Ratio Lower Upper

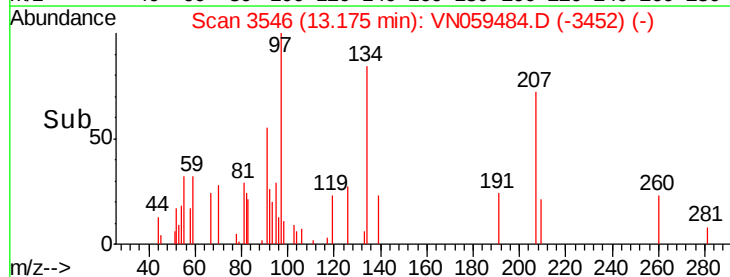
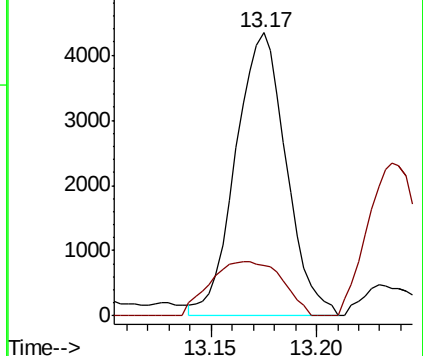
105 100

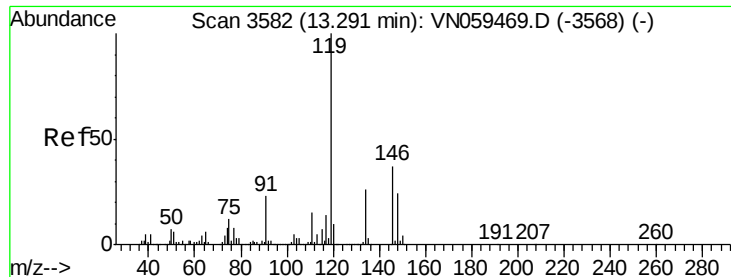
134 27.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

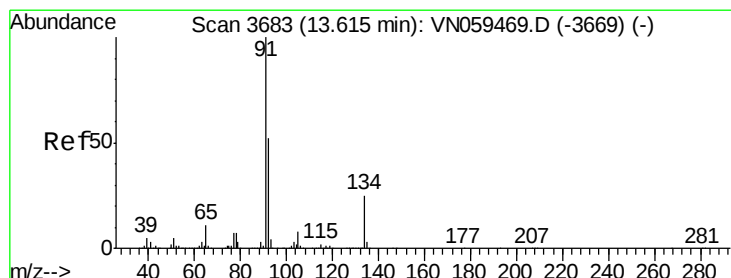
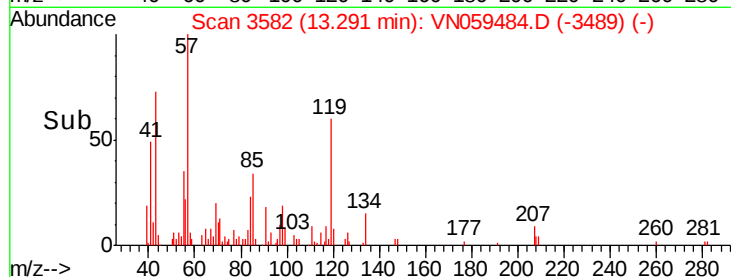
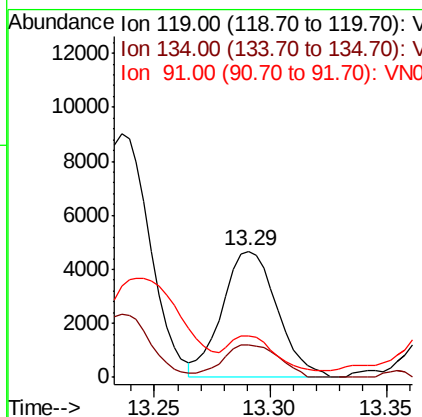
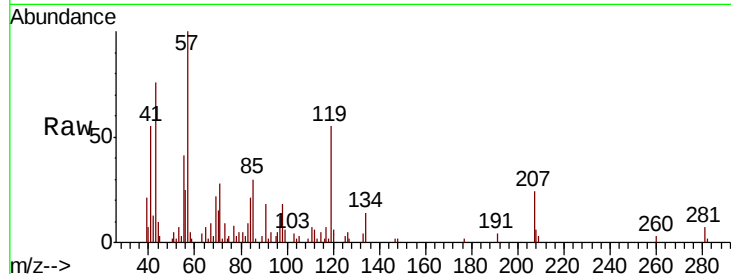




#86
 p-Isopropyltoluene
 Concen: 0.570 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059484.D
 Acq: 4 Dec 2019 14:08

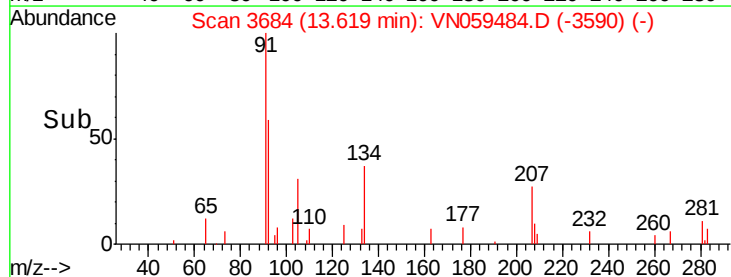
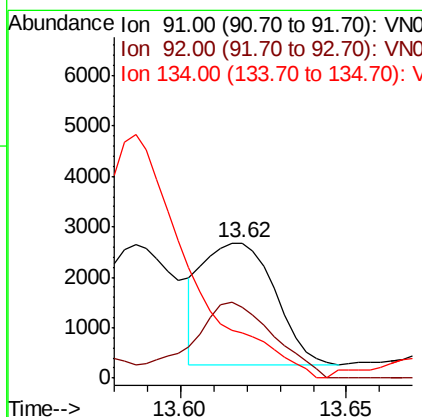
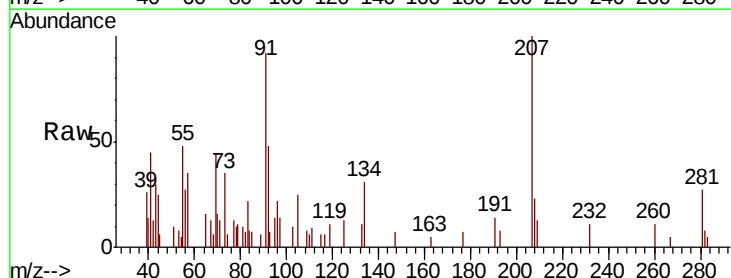
Instrument :
 MSVOA_N
 ClientSampled :

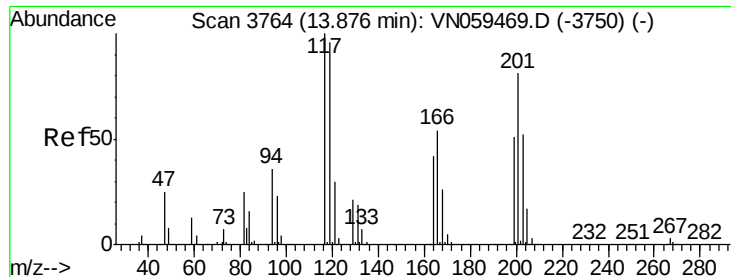
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.1	39.3
91	22.3	11.7	35.1



#89
 n-Butylbenzene
 Concen: 0.301 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN059484.D
 Acq: 4 Dec 2019 14:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	70.8	25.9	77.8
134	0.0	12.6	37.6





#90

Hexachloroethane

Concen: 0.554 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

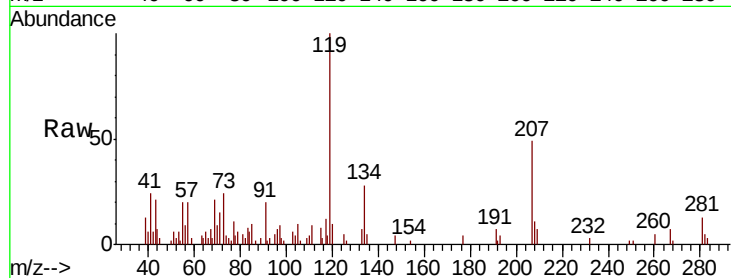
ClientSampled :

Tot Ion:117 Resp: 1444

Ion Ratio Lower Upper

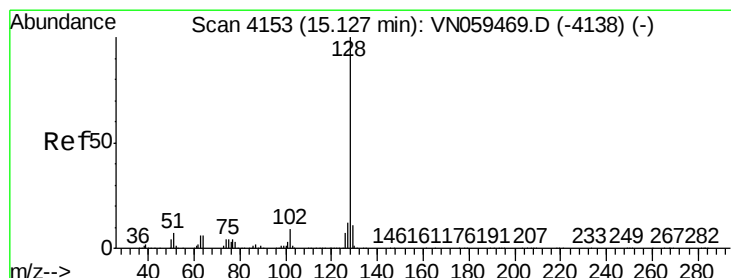
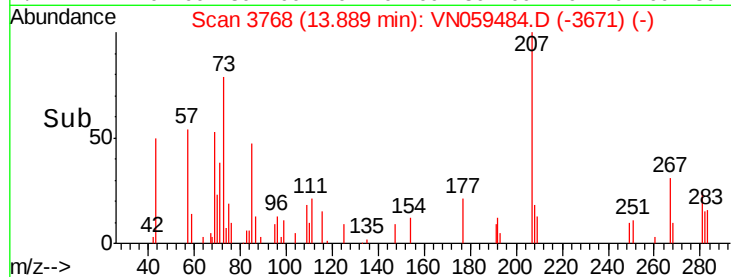
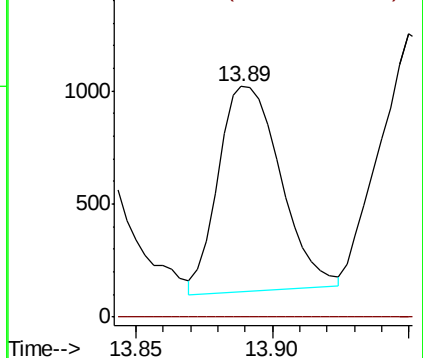
117 100

201 0.0 40.6 122.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 2.750 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

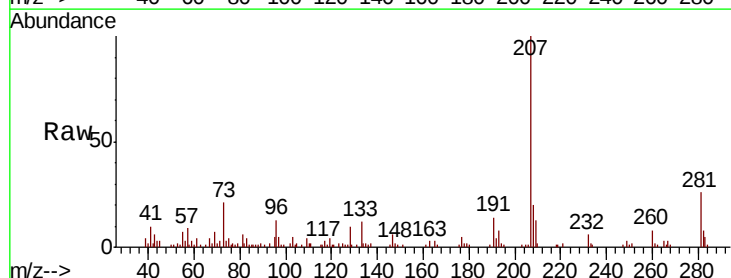
Tgt Ion:128 Resp: 3778

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

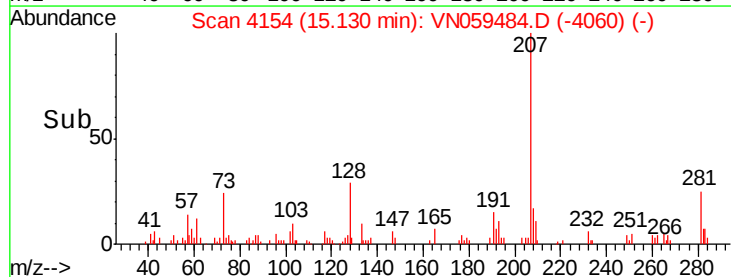
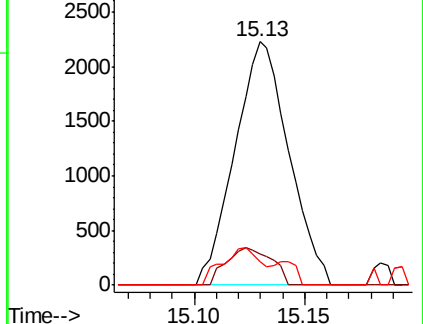
129 11.0 8.8 13.2

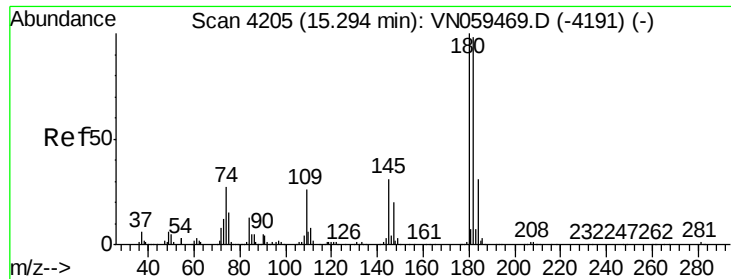


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.096 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. 0.01 min
 Lab File: VN059484.D
 Acq: 4 Dec 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	169.0	48.5	145.5#
145	129.8	16.1	48.2#

