

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059224.D
 Acq On : 14 Nov 2019 11:41
 Operator : JC/SP
 Sample : K5814-10DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 06:27:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	416889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	645788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	570464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	205356	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	266793	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
35) Dibromofluoromethane	7.57	113	207874	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
50) Toluene-d8	10.08	98	801602	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
62) 4-Bromofluorobenzene	12.40	95	254095	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.76	59	54341	55.640	ug/l #	88
16) Acetone	3.79	43	736573	276.397	ug/l	99
17) Carbon Disulfide	4.03	76	3561	0.295	ug/l #	92
19) Methyl tert-butyl Ether	5.02	73	26161	1.954	ug/l	99
22) Diisopropyl ether	5.93	45	7431	0.492	ug/l #	90
23) Vinyl Acetate	5.93	43	5009	0.428	ug/l #	74
25) 2-Butanone	6.82	43	21303	6.065	ug/l	98
29) Tetrahydrofuran	7.20	42	1365	0.612	ug/l #	51
30) Chloroform	7.35	83	2895	0.358	ug/l	92
31) Cyclohexane	7.64	56	9366	1.174	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	31905	5.286	ug/l #	50
37) Ethyl Acetate	6.82	43	21303	3.172	ug/l #	72
38) Carbon Tetrachloride	7.64	117	39844	6.632	ug/l #	17
39) Methylcyclohexane	9.07	83	1525	0.218	ug/l #	81
40) Benzene	8.02	78	138842	7.638	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	19351	3.195	ug/l	95
52) Toluene	10.15	92	604217	55.459	ug/l	99
56) Ethyl methacrylate	10.43	69	109	1.887	ug/l #	1
59) 2-Hexanone	10.75	43	14611	3.143	ug/l	87
67) Ethyl Benzene	11.51	91	45367	2.299	ug/l	98
68) m/p-Xylenes	11.62	106	33455	4.527	ug/l	95
69) o-Xylene	11.95	106	89388	12.515	ug/l	99
70) Styrene	11.94	104	6691	0.596	ug/l #	1
71) Bromoform	12.40	173	1621	0.500	ug/l #	1
74) N-amyl acetate	12.03	43	8529	1.347	ug/l #	48
76) 1,2,3-Trichloropropane	12.40	75	127432	27.257	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	12207	0.964	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	127432	71.992	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	7101	0.580	ug/l	98
89) n-Butylbenzene	13.62	91	2456	0.224	ug/l #	82
91) 1,2-Dichlorobenzene	13.65	146	1315	0.208	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	687	0.703	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	2172	3.578	ug/l #	89
94) Hexachlorobutadiene	15.01	225	559	0.256	ug/l	89

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

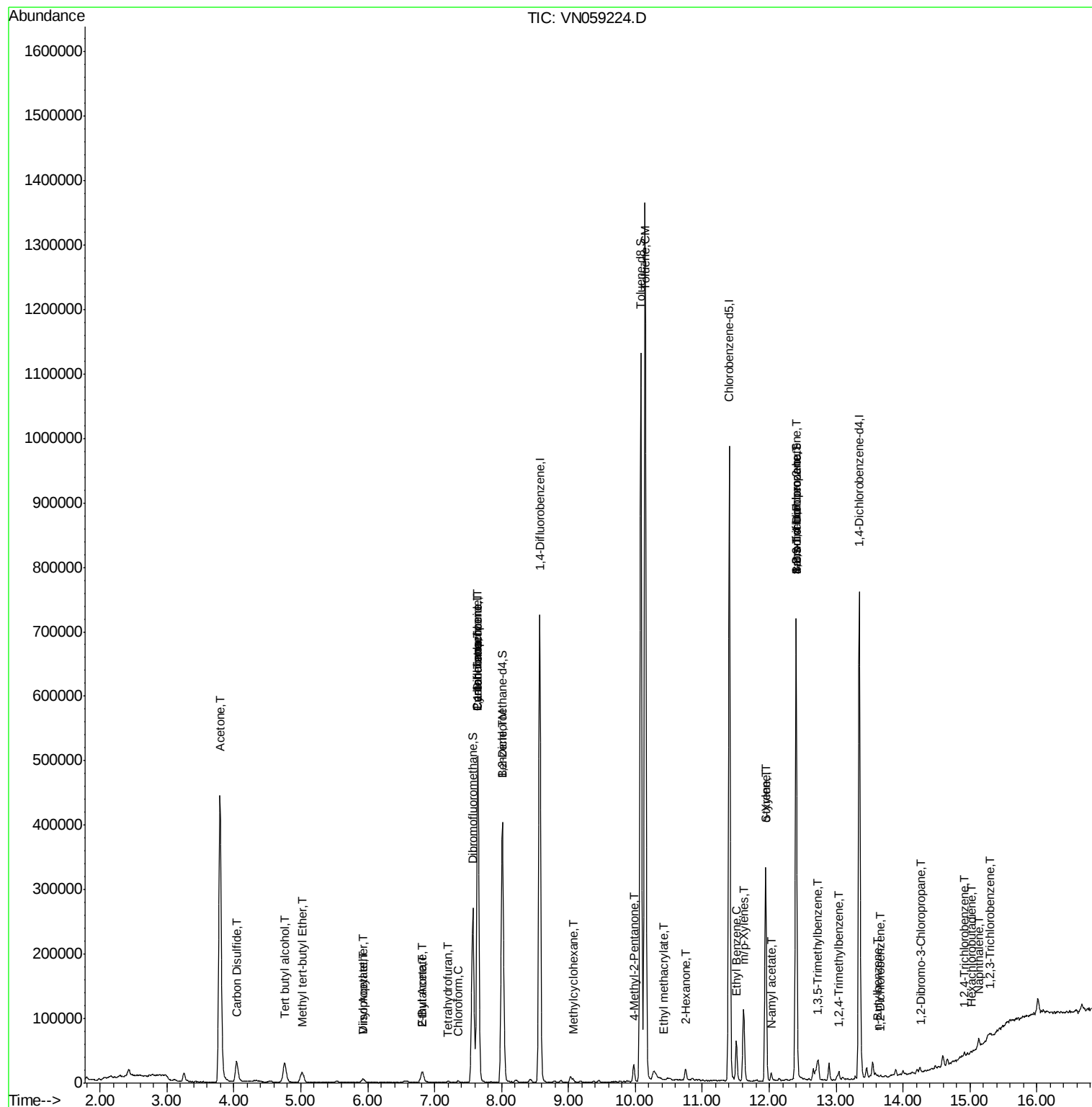
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	10385	3.961	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	2958	0.835	ug/l	94

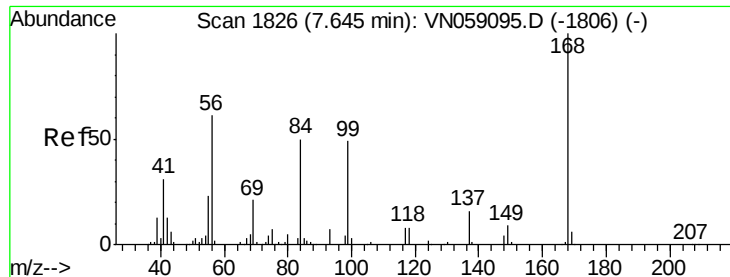
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111419\
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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: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

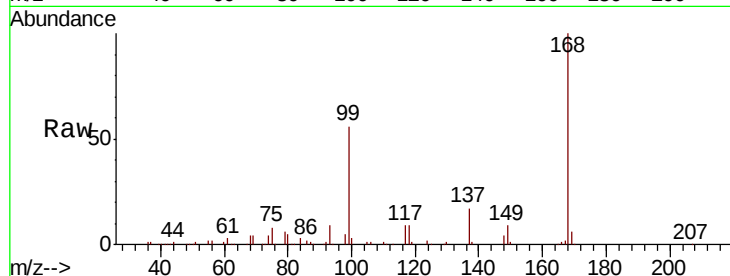
ClientSampled :

Tot Ion:168 Resp: 416889

Ion Ratio Lower Upper

168 100

99 55.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059095.D

Ion 98.90 (98.60 to 99.60): VN059224.D

7.64

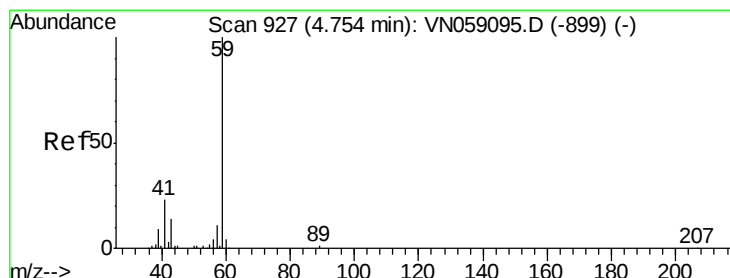
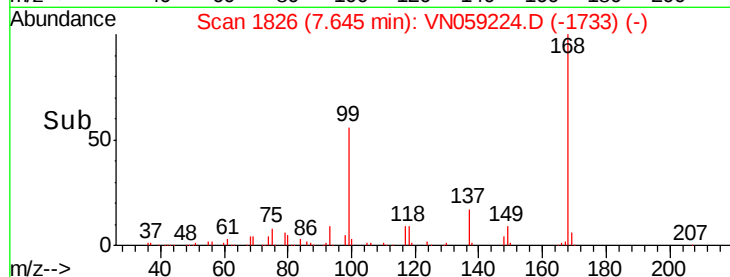
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 55.640 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.01 min

Lab File: VN059224.D

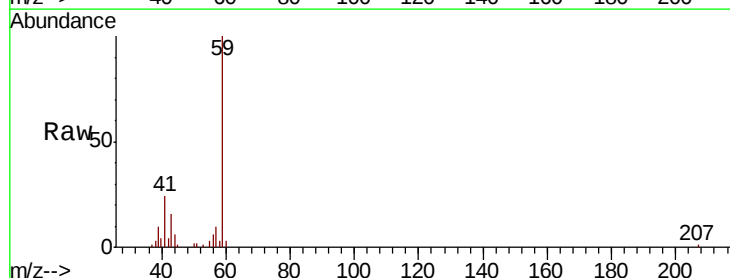
Acq: 14 Nov 2019 11:41

Tgt Ion: 59 Resp: 54341

Ion Ratio Lower Upper

59 100

57 5.8 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN059095.D

Ion 57.00 (56.70 to 57.70): VN059224.D

4.76

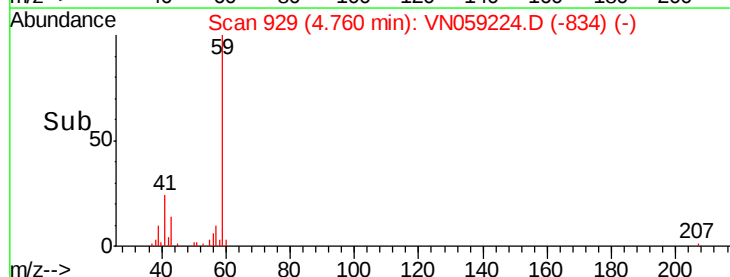
15000

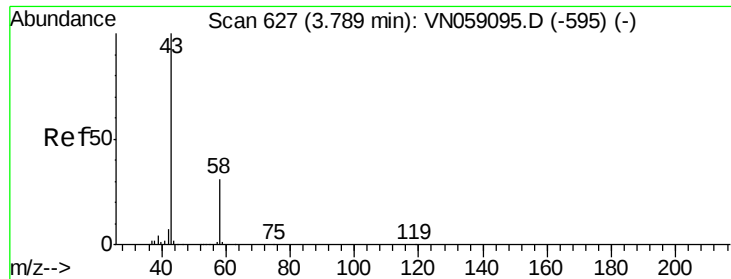
10000

5000

0

Time--> 4.70 4.80 4.90





#16

Acetone

Concen: 276.397 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

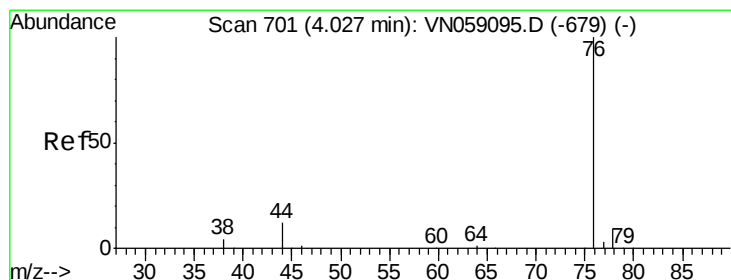
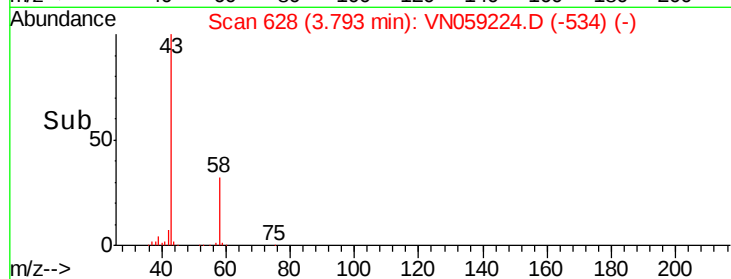
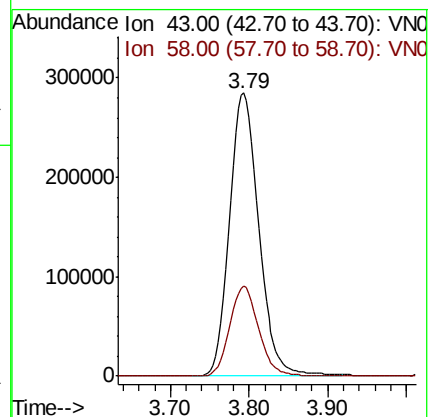
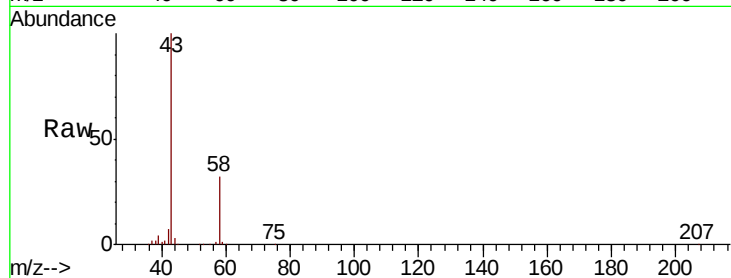
ClientSampleId :

Tot Ion: 43 Resp: 736573

Ion Ratio Lower Upper

43 100

58 31.8 24.9 37.3



#17

Carbon Disulfide

Concen: 0.295 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059224.D

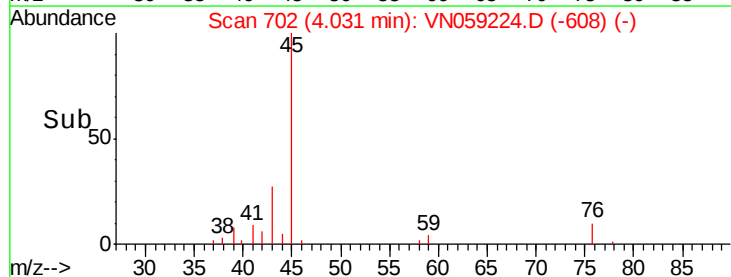
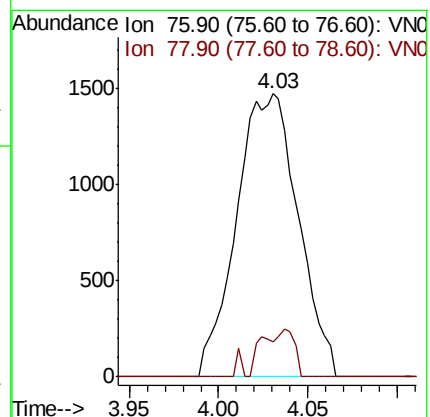
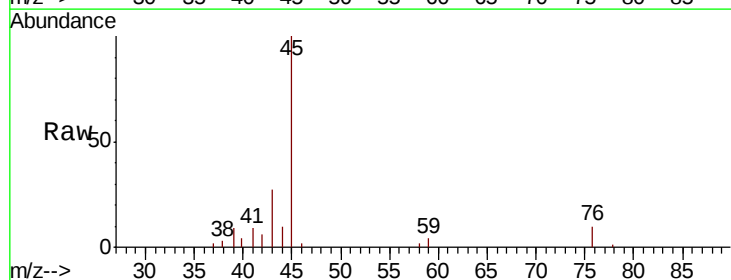
Acq: 14 Nov 2019 11:41

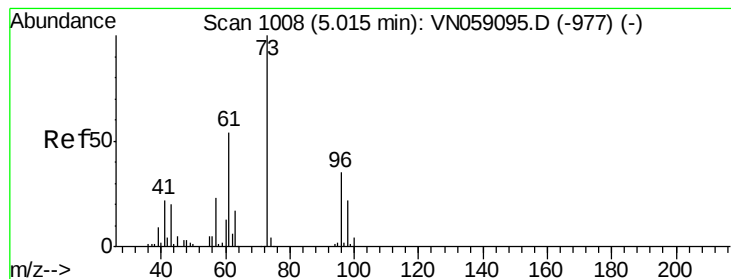
Tgt Ion: 76 Resp: 3561

Ion Ratio Lower Upper

76 100

78 12.2 7.4 11.0#



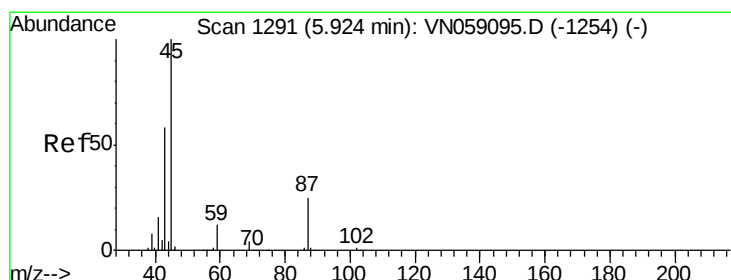
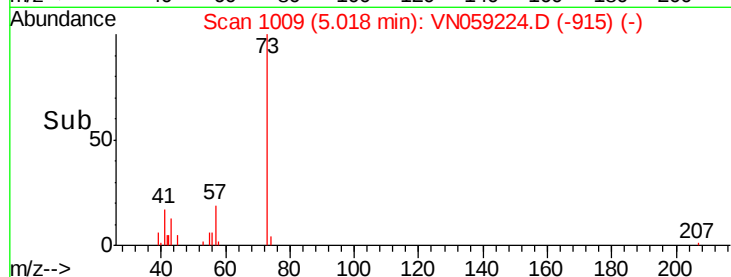
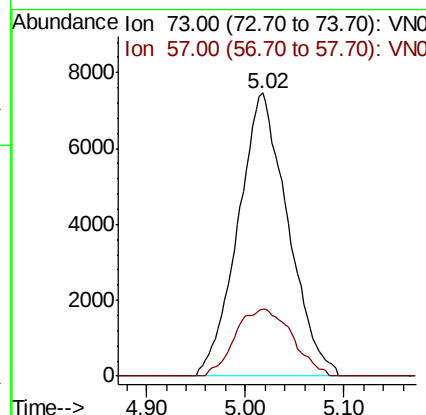
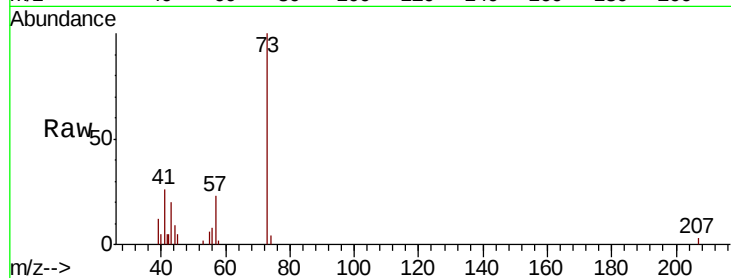


#19

Methyl tert-butyl Ether
 Concen: 1.954 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: VN059224.D
 Acq: 14 Nov 2019 11:41

Instrument :
 MSVOA_N
 ClientSampled :

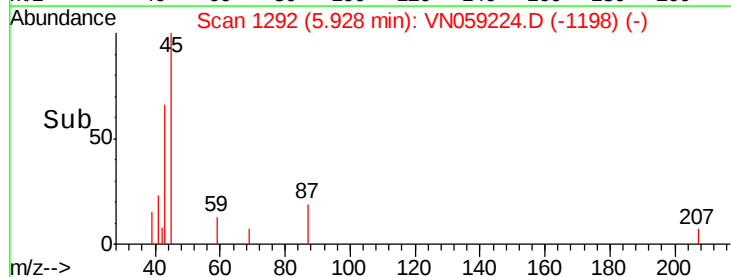
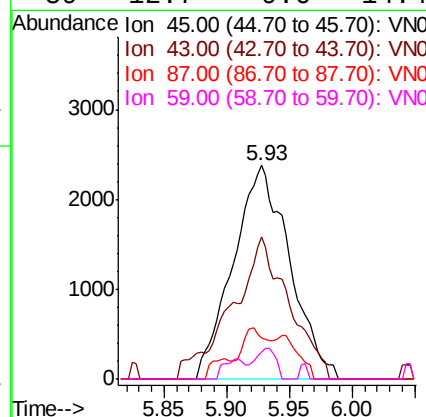
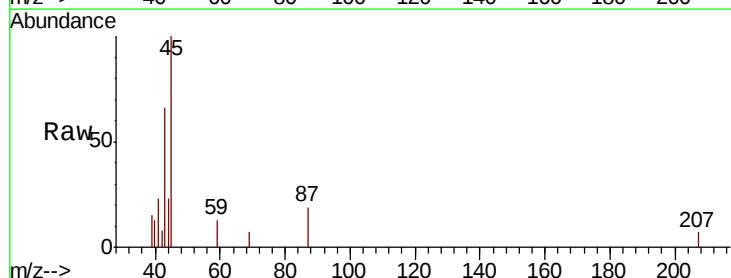
Tot Ion: 73 Resp: 26161
 Ion Ratio Lower Upper
 73 100
 57 23.5 18.4 27.6

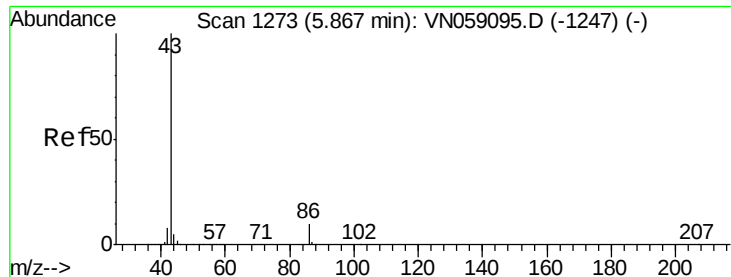


#22

Diisopropyl ether
 Concen: 0.492 ug/l
 RT: 5.93 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VN059224.D
 Acq: 14 Nov 2019 11:41

Tgt Ion: 45 Resp: 7431
 Ion Ratio Lower Upper
 45 100
 43 66.4 46.7 70.1
 87 19.0 20.5 30.7#
 59 12.7 9.6 14.4





#23

Vinyl Acetate

Concen: 0.428 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.06 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

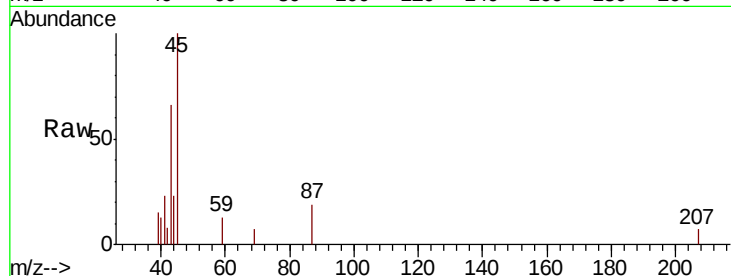
ClientSampleId :

Tot Ion: 43 Resp: 5009

Ion Ratio Lower Upper

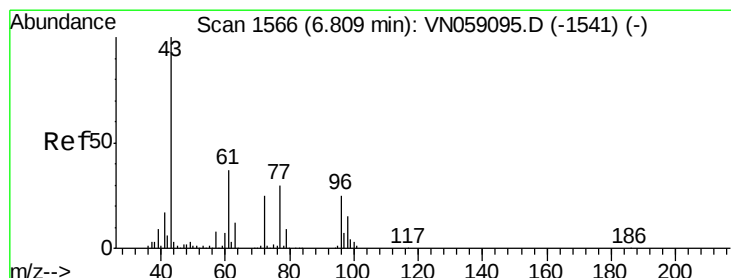
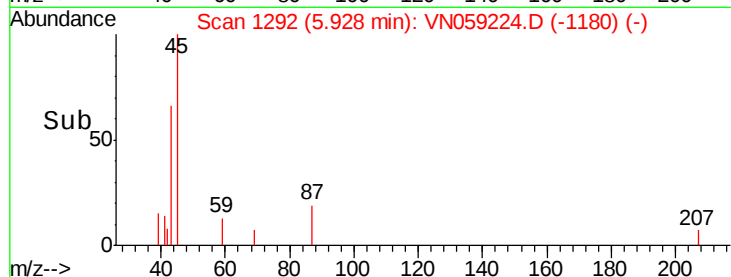
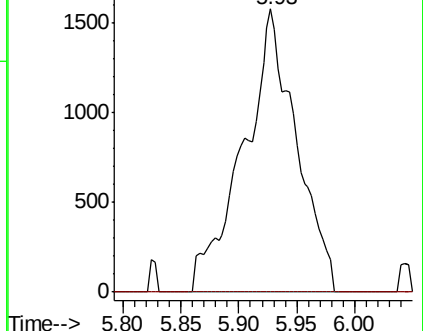
43 100

86 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN059095.D (-1247) (-)



#25

2-Butanone

Concen: 6.065 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN059224.D

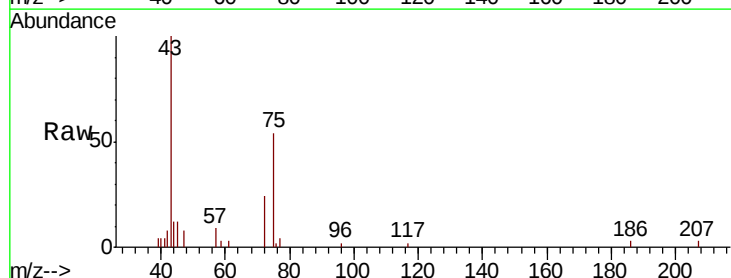
Acq: 14 Nov 2019 11:41

Tgt Ion: 43 Resp: 21303

Ion Ratio Lower Upper

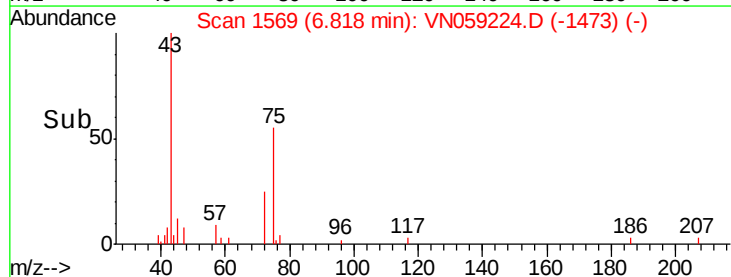
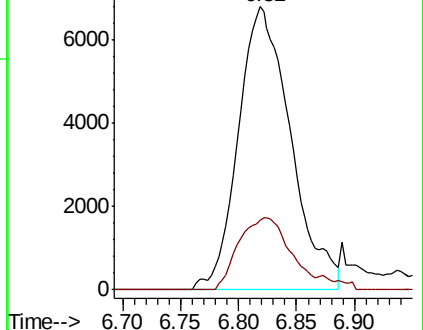
43 100

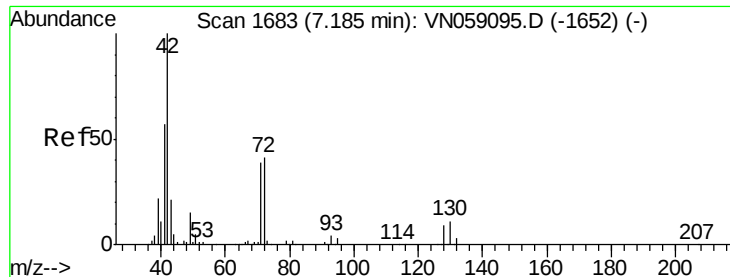
72 24.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1541) (-)

Ion 72.00 (71.70 to 72.70): VN059095.D (-1541) (-)

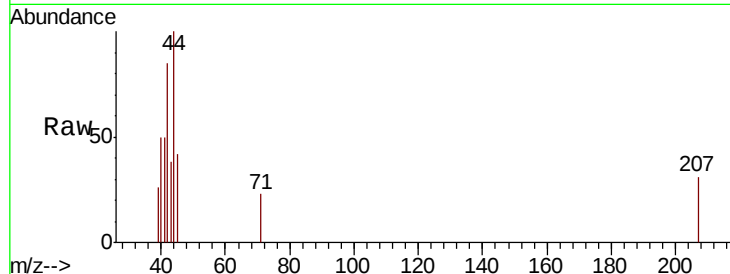




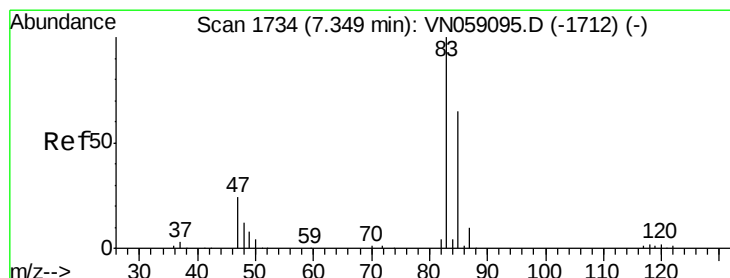
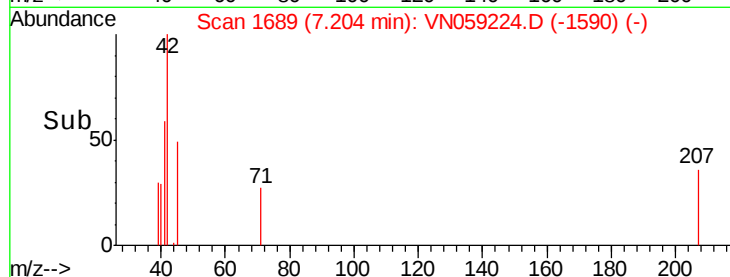
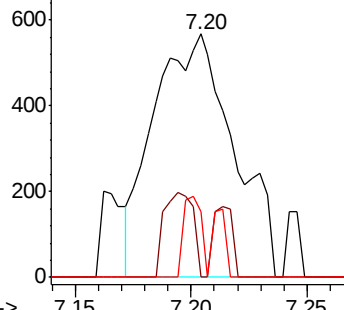
#29
Tetrahydrofuran
Concen: 0.612 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.02 min
Lab File: VN059224.D
Acq: 14 Nov 2019 11:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 1365
Ion Ratio Lower Upper
42 100
72 12.5 33.1 49.7#
71 7.4 30.9 46.3#

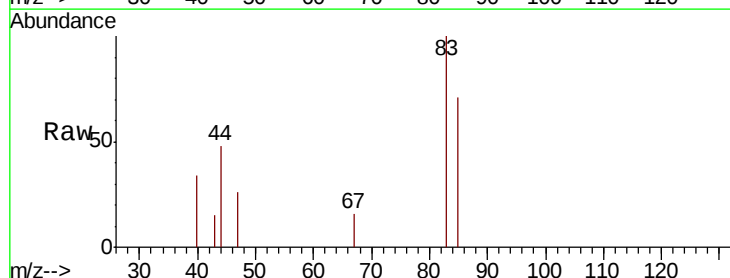


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

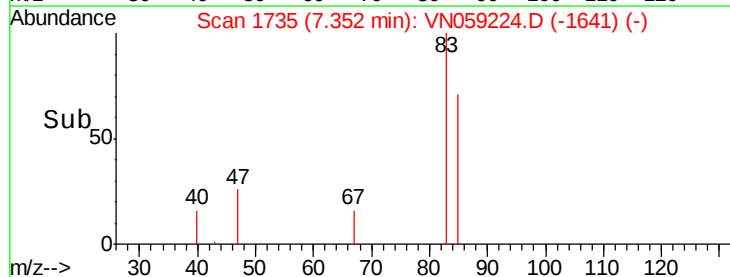
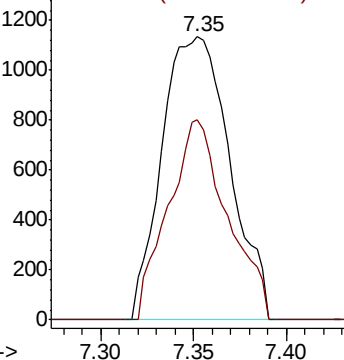


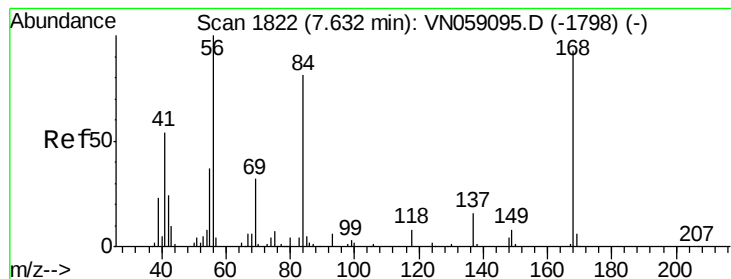
#30
Chloroform
Concen: 0.358 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059224.D
Acq: 14 Nov 2019 11:41

Tgt Ion: 83 Resp: 2895
Ion Ratio Lower Upper
83 100
85 70.8 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 1.174 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

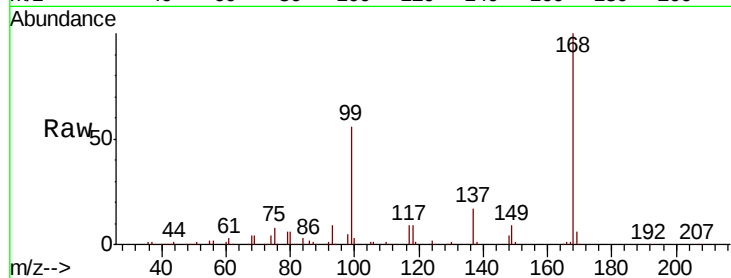
Tot Ion: 56 Resp: 9366

Ion Ratio Lower Upper

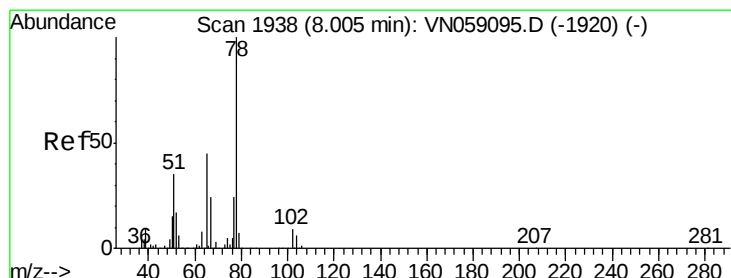
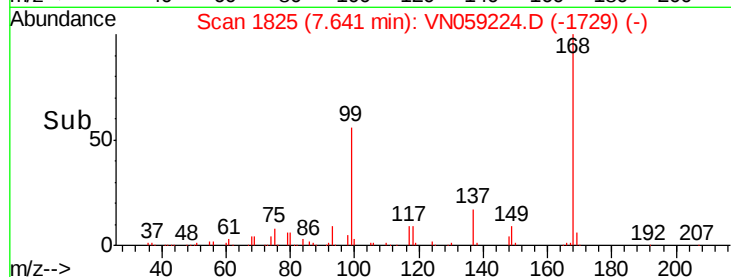
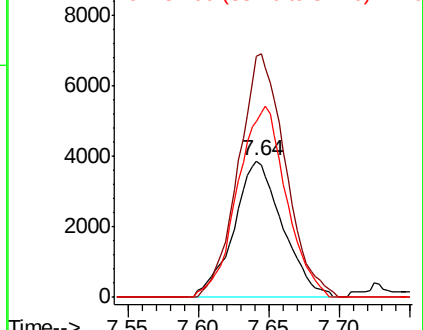
56 100

69 176.1 25.8 38.8#

84 129.1 65.0 97.4#



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: 52.061 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059224.D

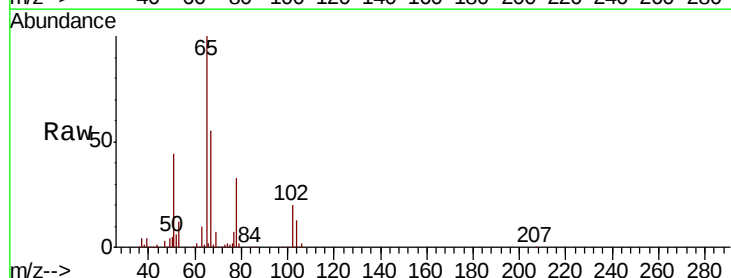
Acq: 14 Nov 2019 11:41

Tgt Ion: 65 Resp: 266793

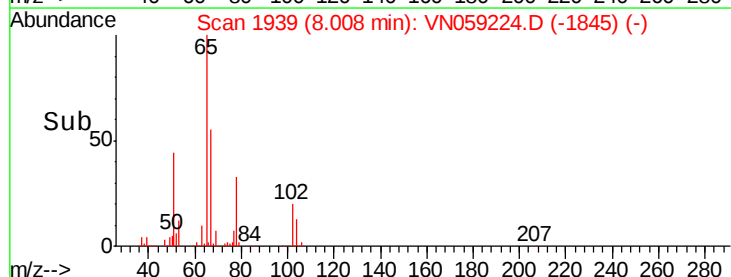
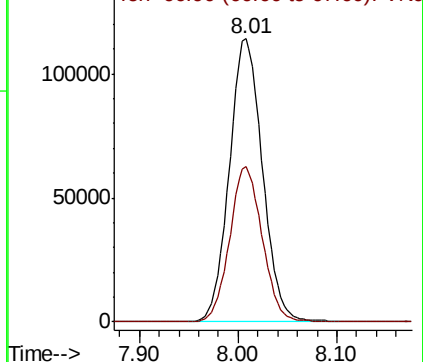
Ion Ratio Lower Upper

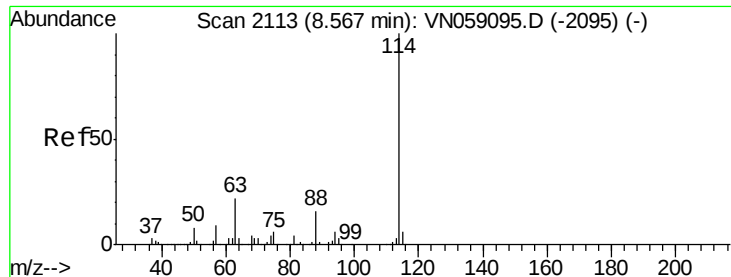
65 100

67 53.9 0.0 107.4



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

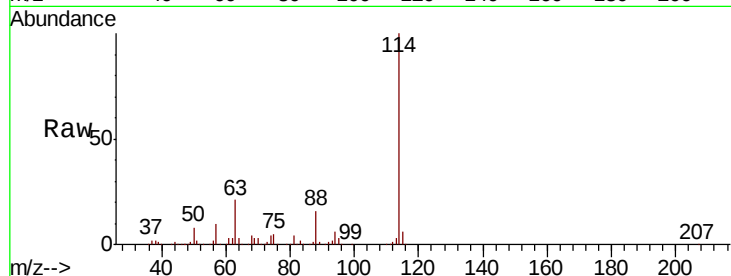




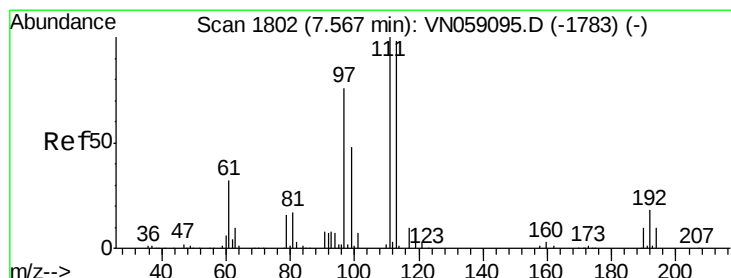
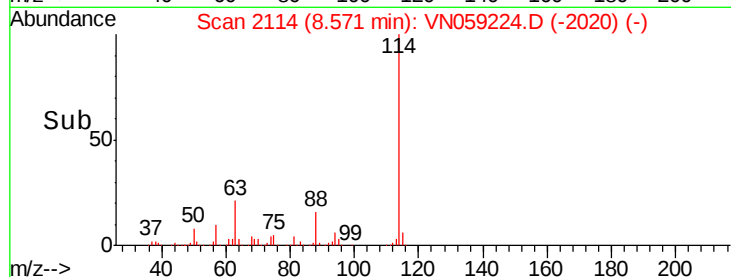
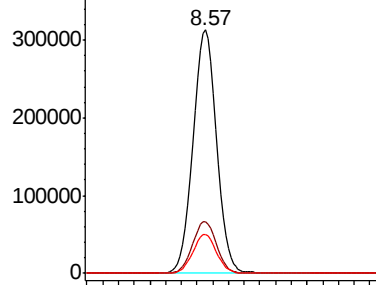
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059224.D
 Acq: 14 Nov 2019 11:41

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.4
88	16.1	0.0	32.2

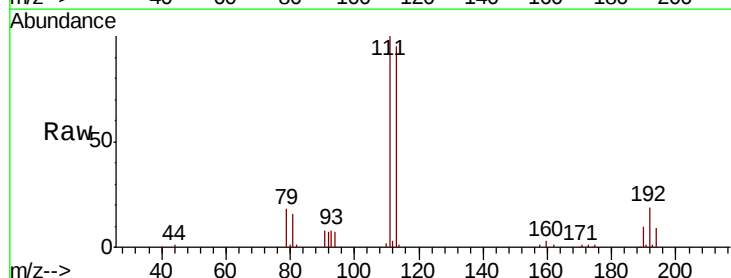


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

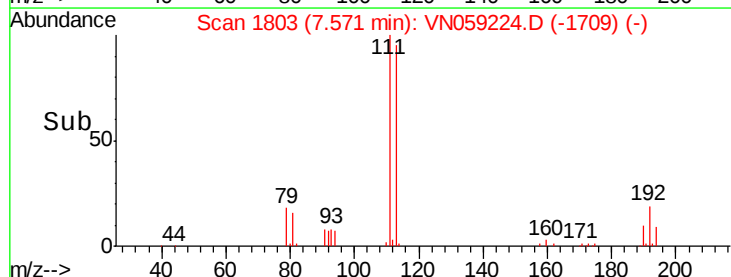
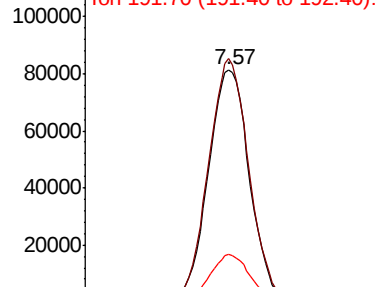


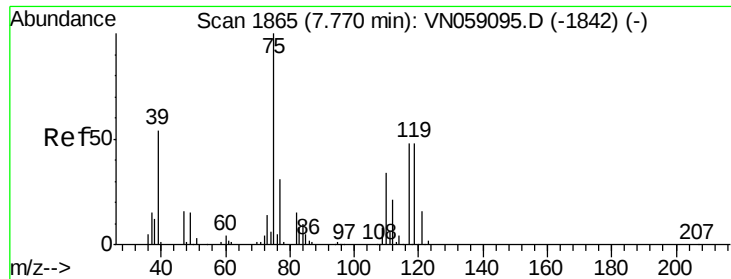
#35
 Dibromofluoromethane
 Concen: 53.909 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059224.D
 Acq: 14 Nov 2019 11:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.8	124.2
192	20.1	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

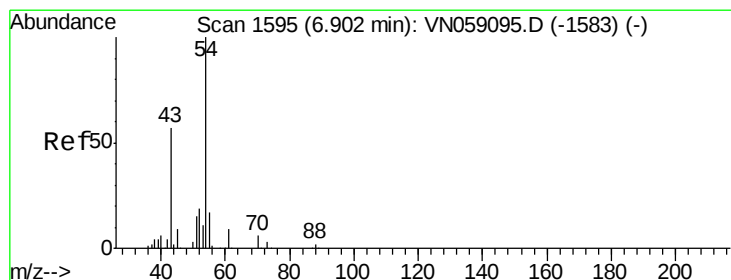
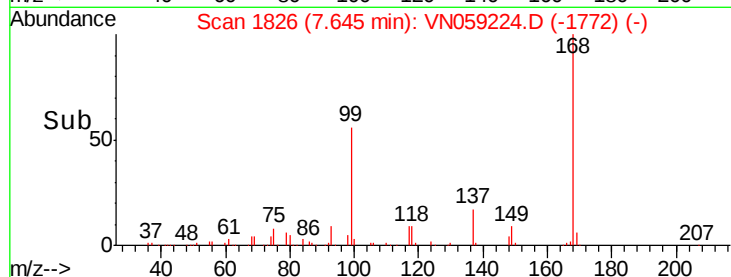
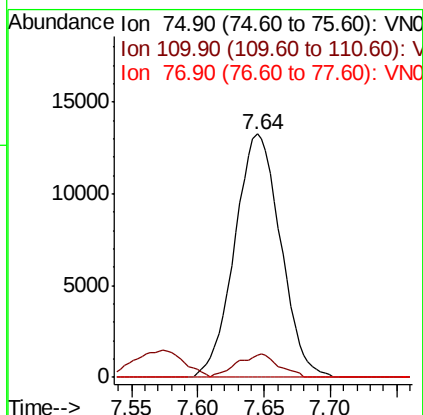
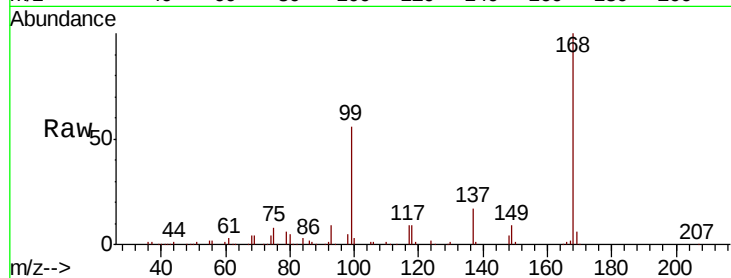




#36
 1,1-Dichloropropene
 Concen: 5.286 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059224.D
 Acq: 14 Nov 2019 11:41

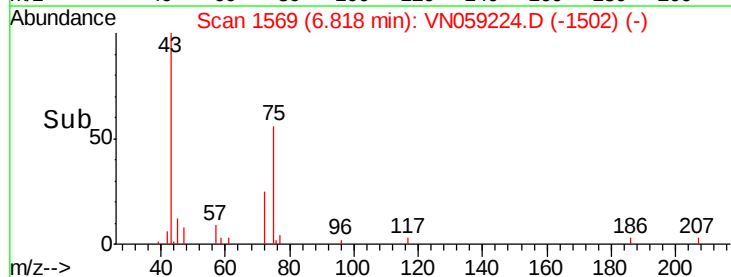
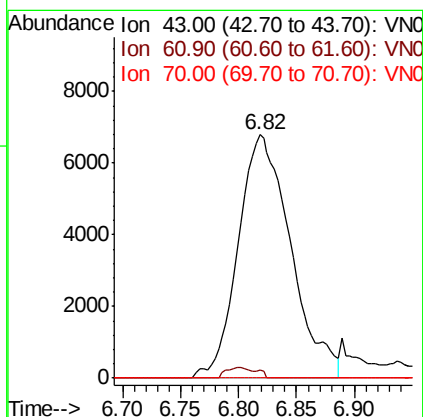
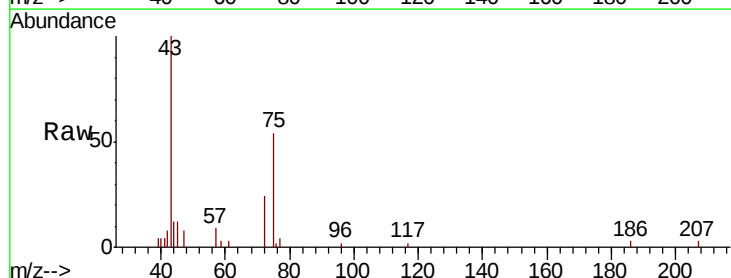
Instrument :
 MSVOA_N
 ClientSampled :

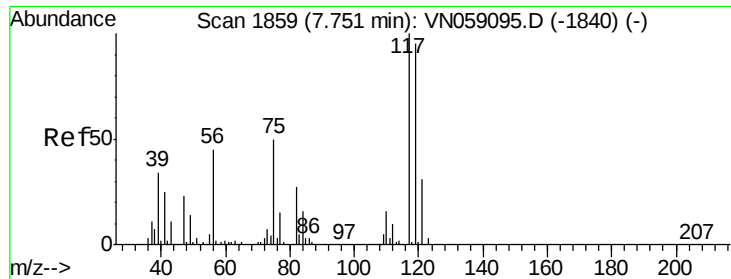
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.1	51.2#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 3.172 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.08 min
 Lab File: VN059224.D
 Acq: 14 Nov 2019 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
61	2.0	11.2	16.8#
70	0.0	7.8	11.8#





#38

Carbon Tetrachloride

Concen: 6.632 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

ClientSampled :

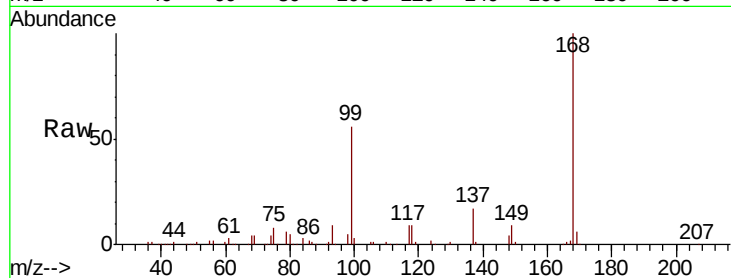
Tot Ion:117 Resp: 39844

Ion Ratio Lower Upper

117 100

119 5.7 75.6 113.4#

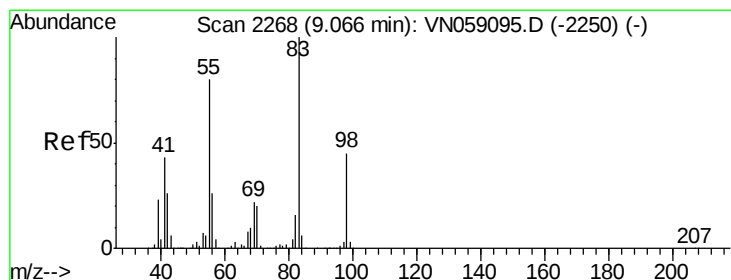
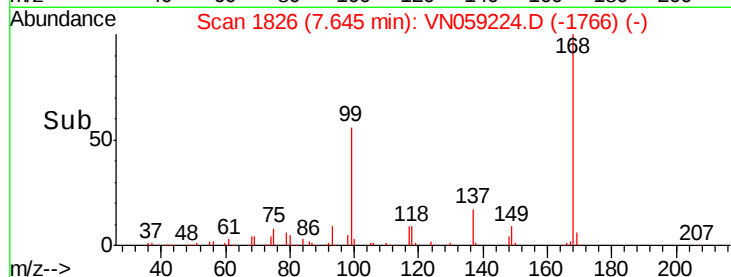
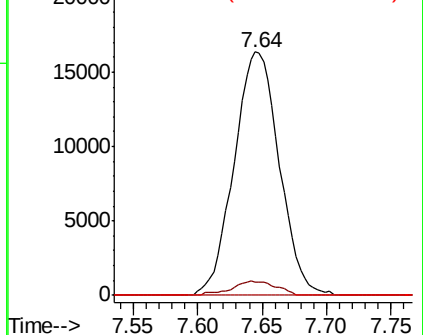
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.218 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

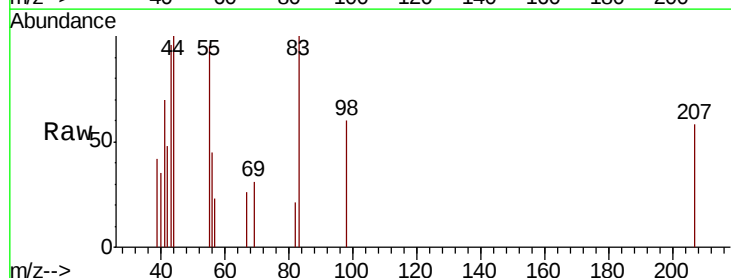
Tgt Ion: 83 Resp: 1525

Ion Ratio Lower Upper

83 100

55 94.8 63.9 95.9

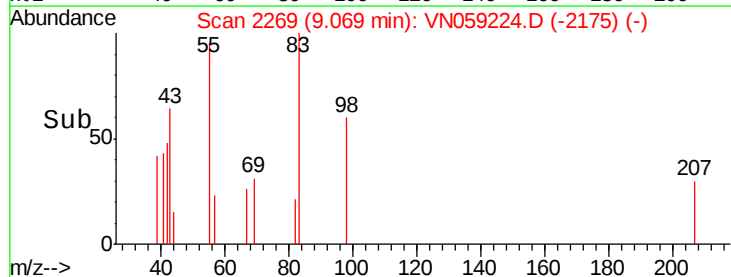
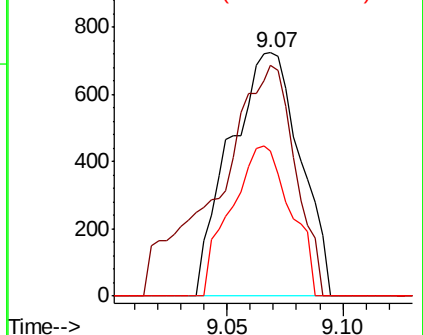
98 59.5 35.6 53.4#

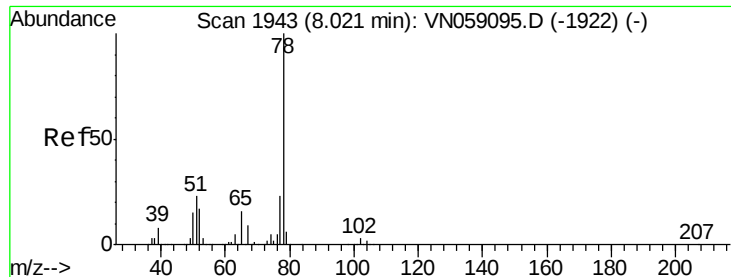


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 7.638 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

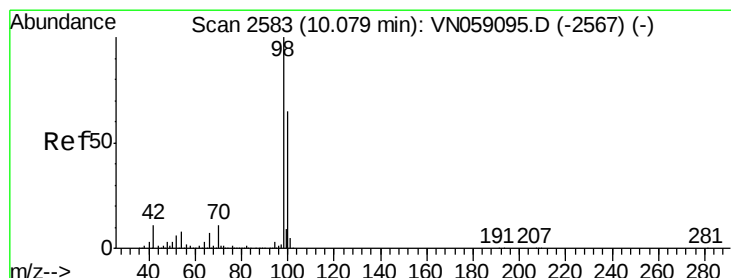
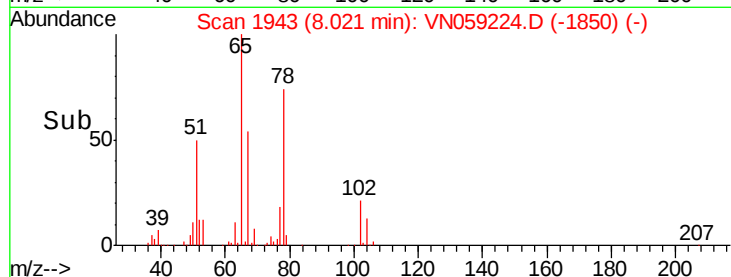
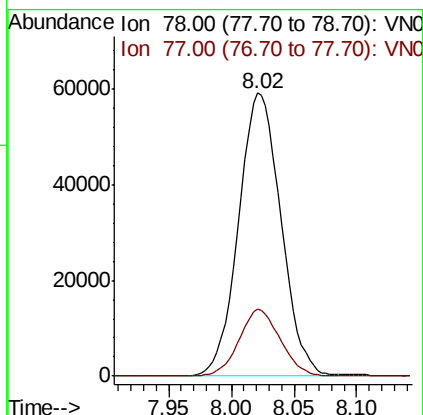
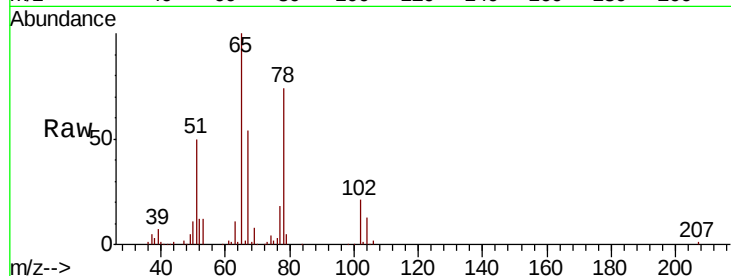
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 78 Resp: 138842

Ion Ratio Lower Upper

78 100

77 23.7 18.8 28.2



#50

Toluene-d8

Concen: 52.777 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059224.D

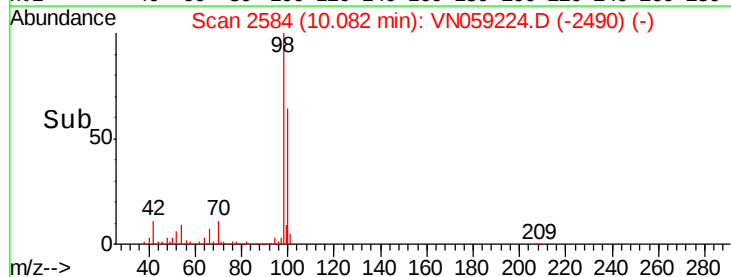
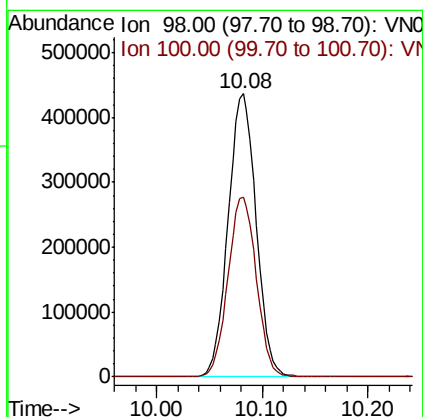
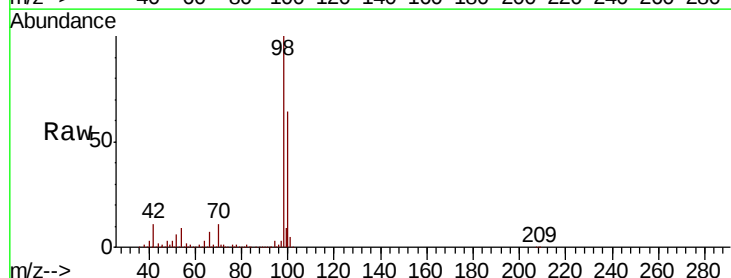
Acq: 14 Nov 2019 11:41

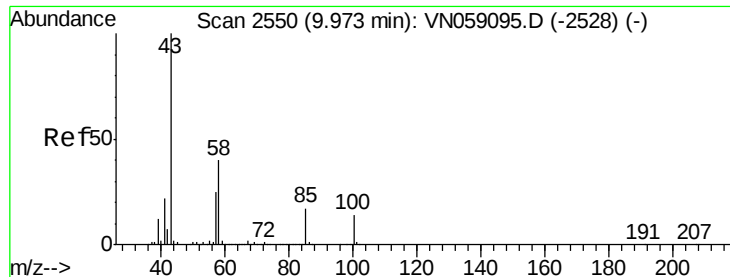
Tgt Ion: 98 Resp: 801602

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 3.195 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

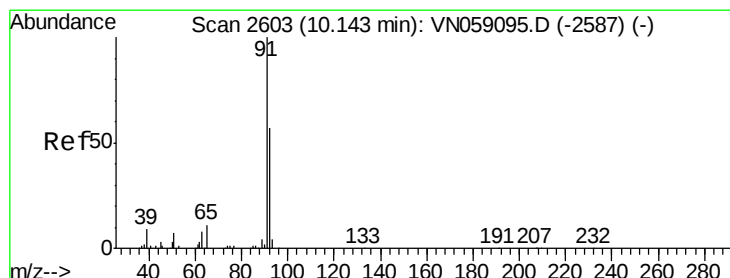
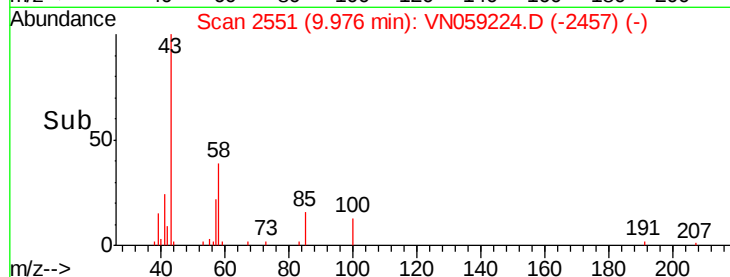
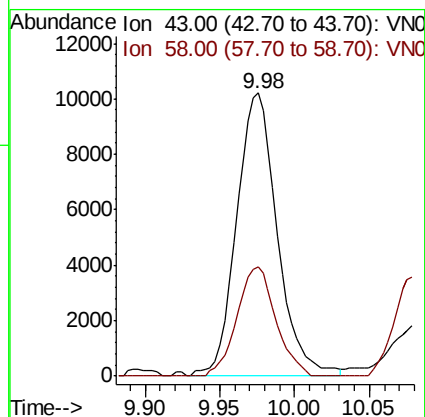
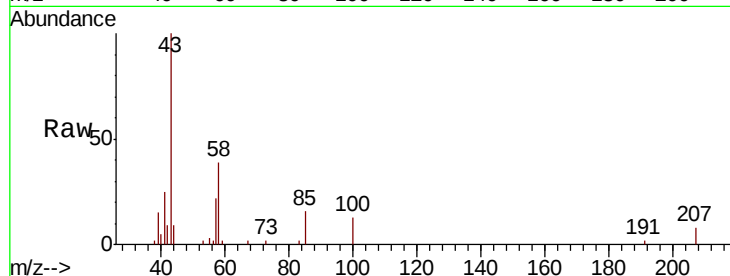
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 19351

Ion Ratio Lower Upper

43 100

58 36.6 31.5 47.3



#52

Toluene

Concen: 55.459 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059224.D

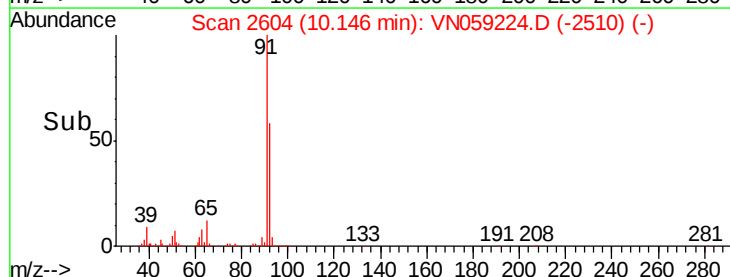
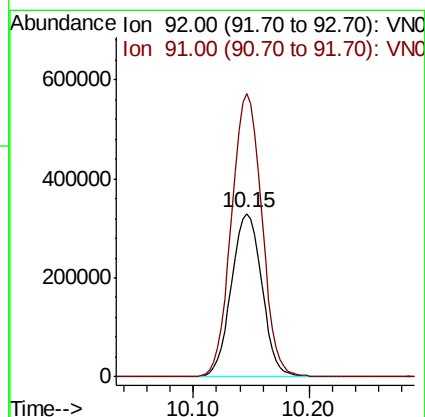
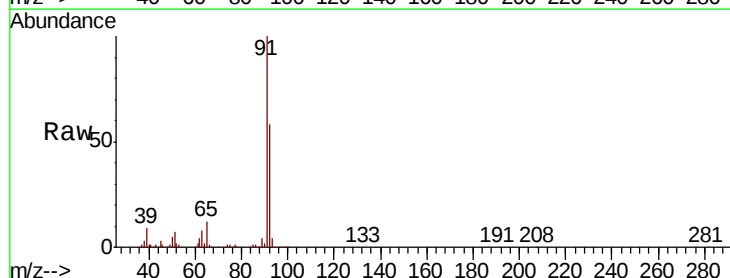
Acq: 14 Nov 2019 11:41

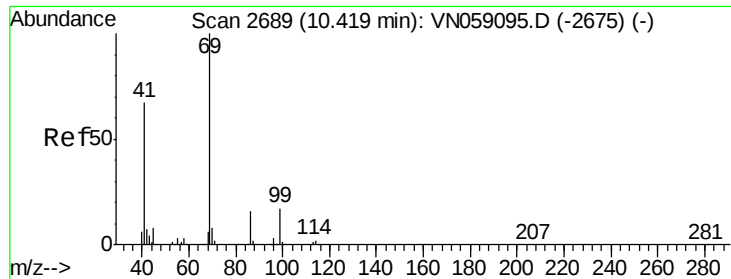
Tgt Ion: 92 Resp: 604217

Ion Ratio Lower Upper

92 100

91 172.4 139.5 209.3





#56

Ethyl methacrylate

Concen: 1.887 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.01 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

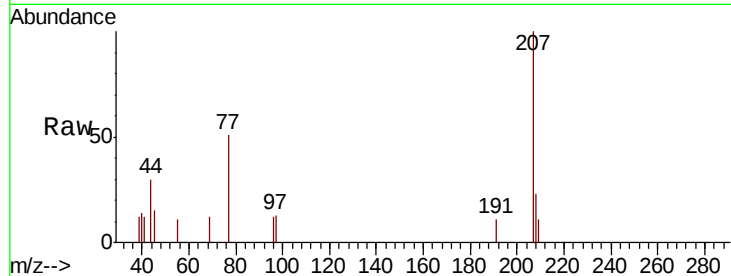
Tot Ion: 69 Resp: 109

Ion Ratio Lower Upper

69 100

41 338.5 53.6 80.4#

39 0.0 26.2 39.4#



Abundance Ion 69.00 (68.70 to 69.70): VN059095.D (-2675) (-)

Ion 41.00 (40.70 to 41.70): VN059095.D (-2675) (-)

Ion 39.00 (38.70 to 39.70): VN059095.D (-2675) (-)

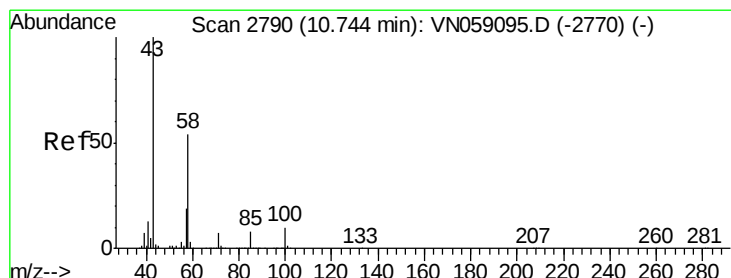
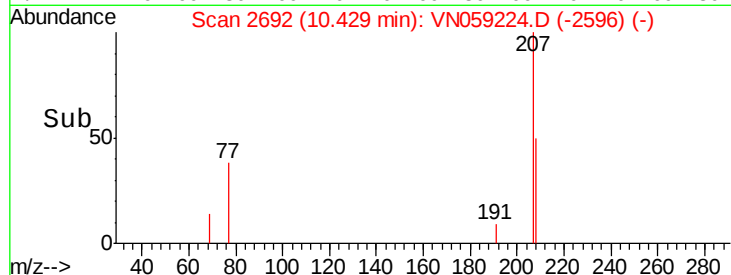
10.43

200

100

0

Time-->



#59

2-Hexanone

Concen: 3.143 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN059224.D

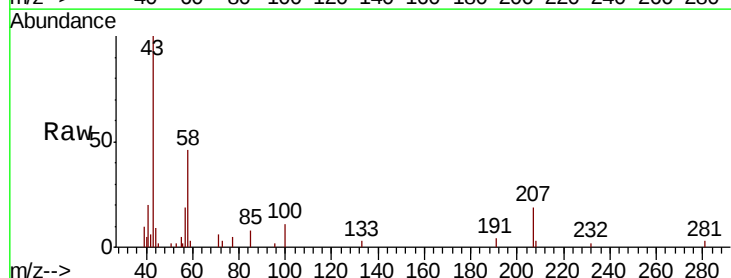
Acq: 14 Nov 2019 11:41

Tgt Ion: 43 Resp: 14611

Ion Ratio Lower Upper

43 100

58 44.9 27.3 81.8



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2770) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-2770) (-)

10.75

8000

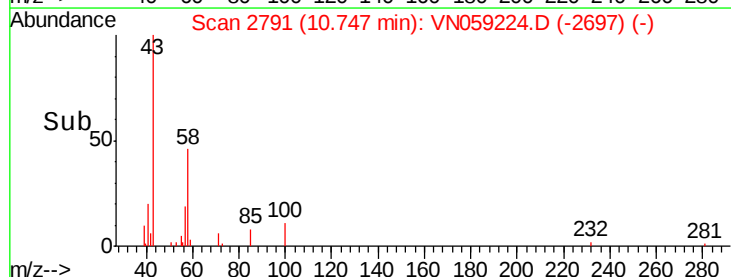
6000

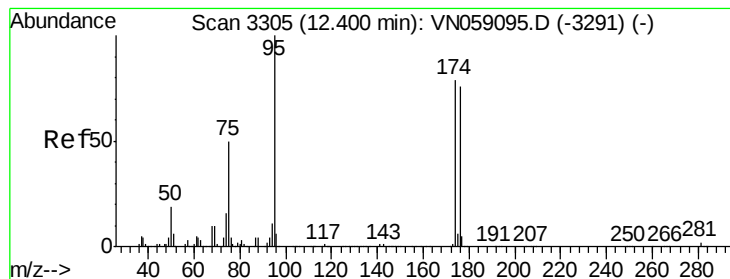
4000

2000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 46.399 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

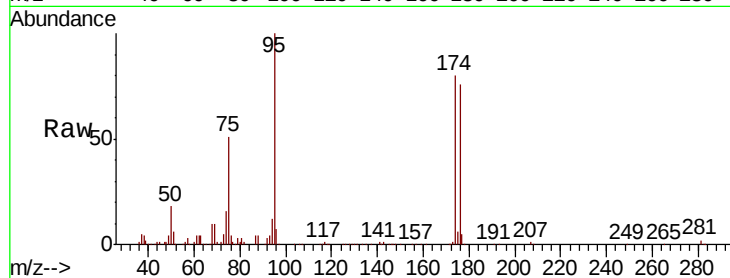
Tot Ion: 95 Resp: 254095

Ion Ratio Lower Upper

95 100

174 79.8 0.0 158.2

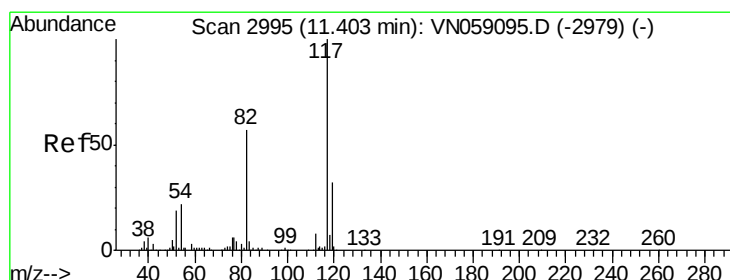
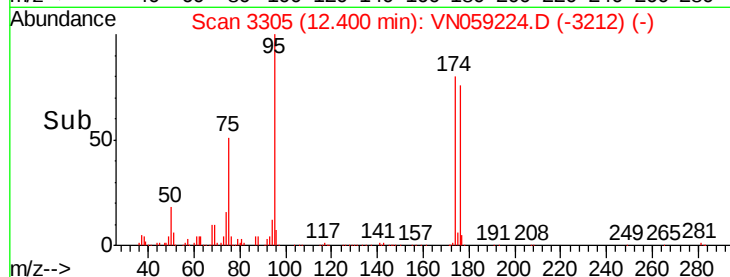
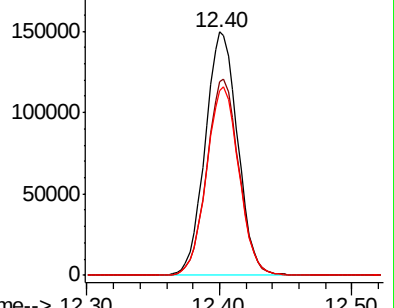
176 77.3 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN059095.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059095.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059095.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

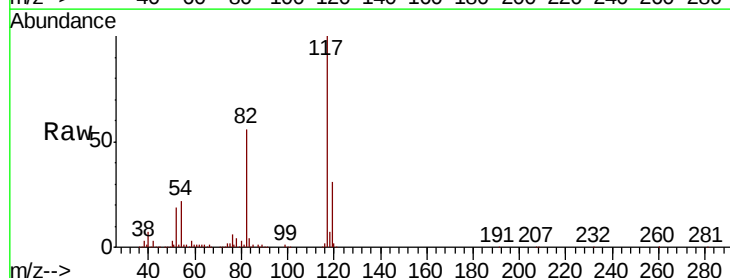
Tgt Ion: 117 Resp: 570464

Ion Ratio Lower Upper

117 100

82 56.3 45.8 68.8

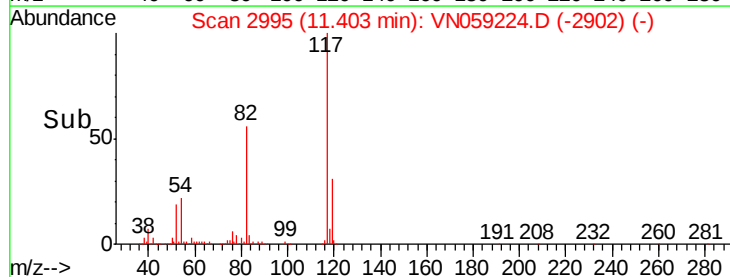
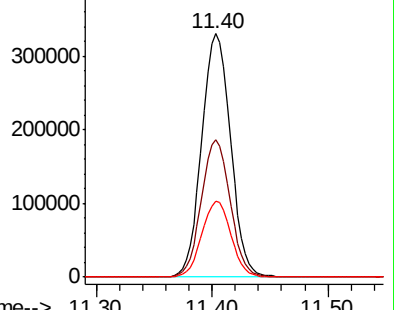
119 31.3 25.8 38.6

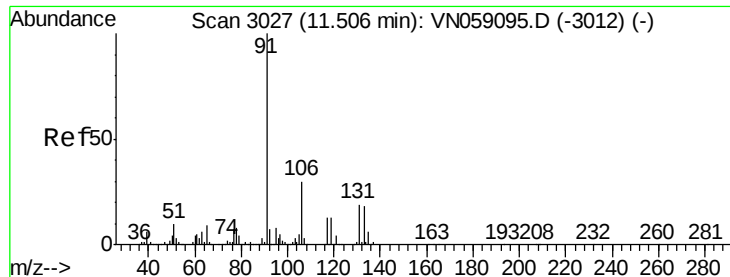


Abundance Ion 116.90 (116.60 to 117.60): VN059095.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059095.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059095.D (-2979) (-)





#67

Ethyl Benzene

Concen: 2.299 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

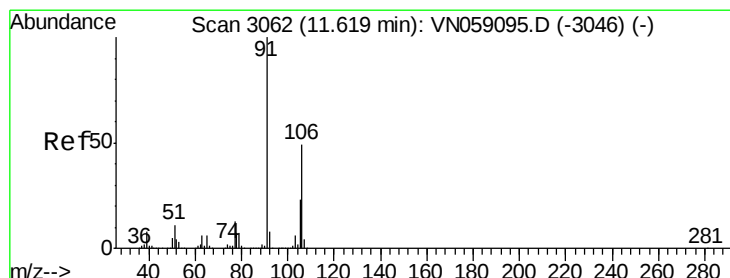
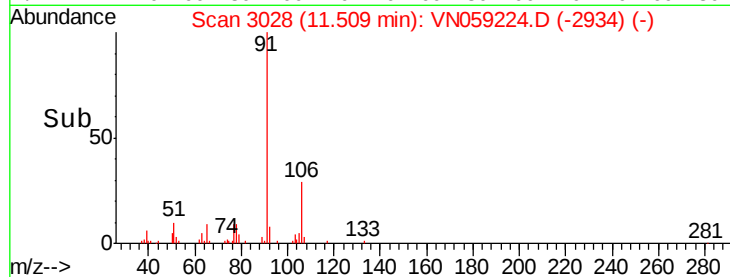
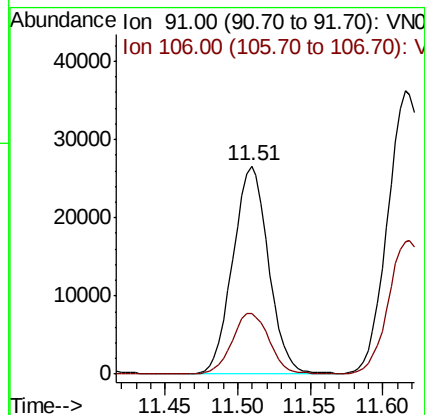
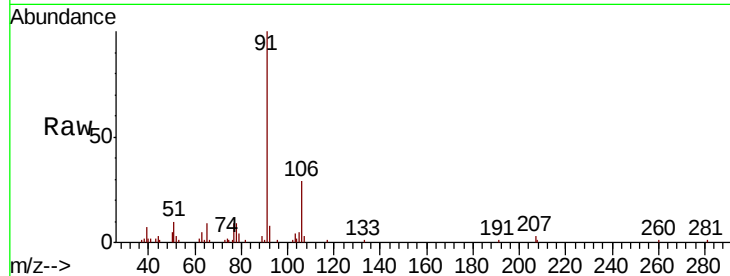
ClientSampled :

Tot Ion: 91 Resp: 45367

Ion Ratio Lower Upper

91 100

106 29.0 24.1 36.1



#68

m/p-Xylenes

Concen: 4.527 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059224.D

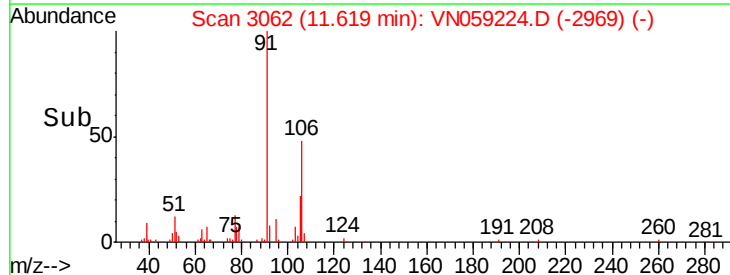
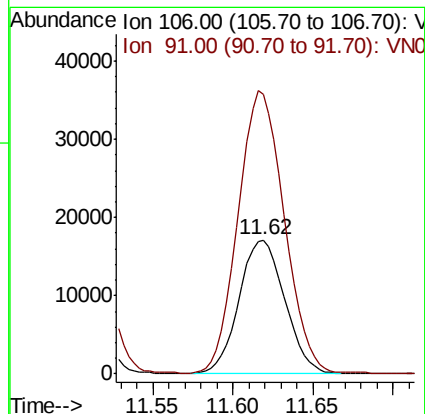
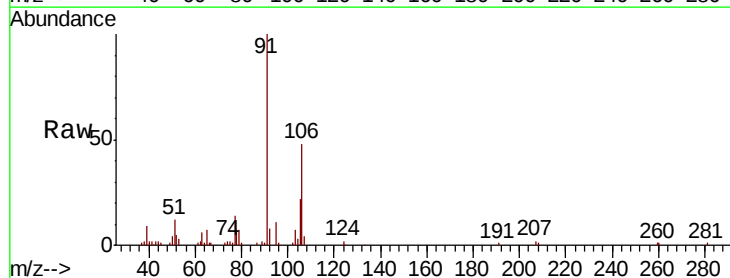
Acq: 14 Nov 2019 11:41

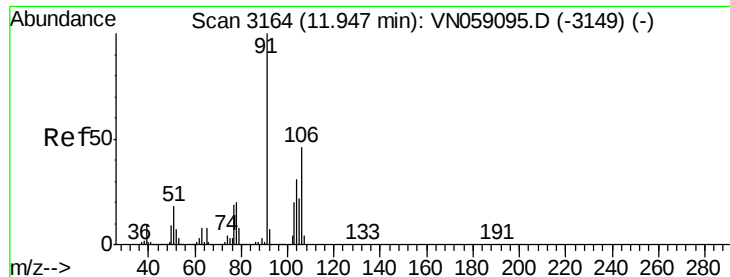
Tgt Ion: 106 Resp: 33455

Ion Ratio Lower Upper

106 100

91 213.9 164.7 247.1

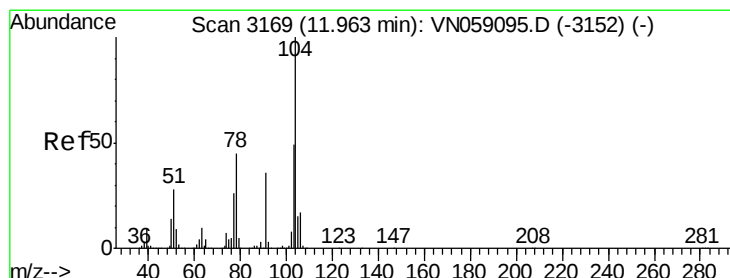
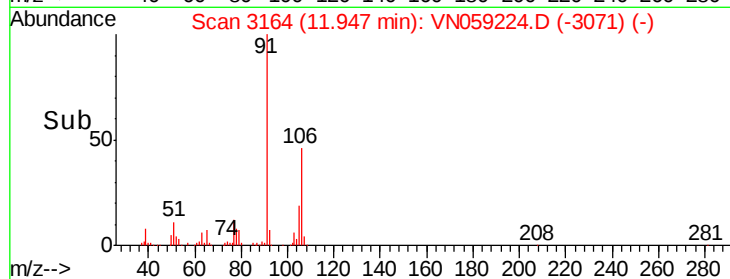
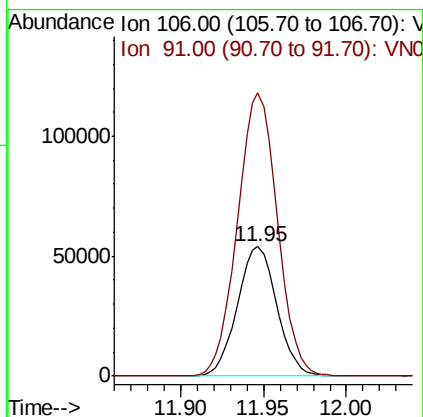
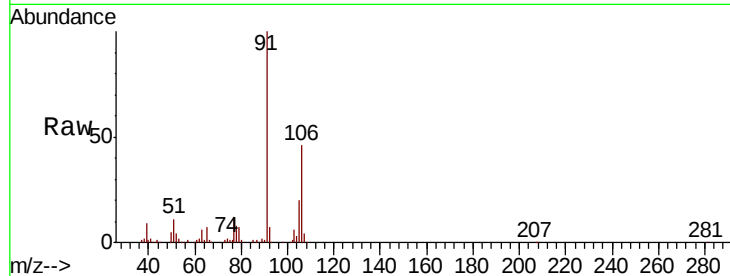




#69
o-Xylene
Concen: 12.515 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059224.D
Acq: 14 Nov 2019 11:41

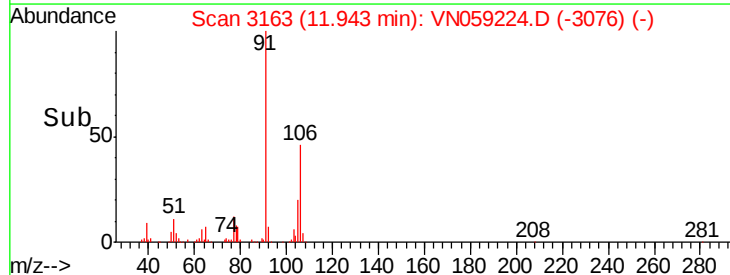
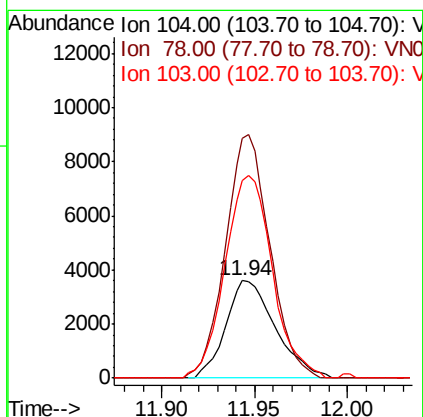
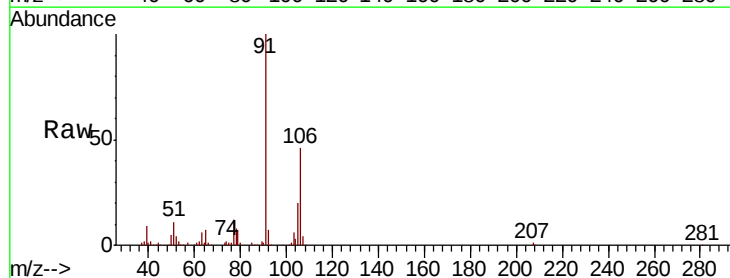
Instrument :
MSVOA_N
ClientSampled :

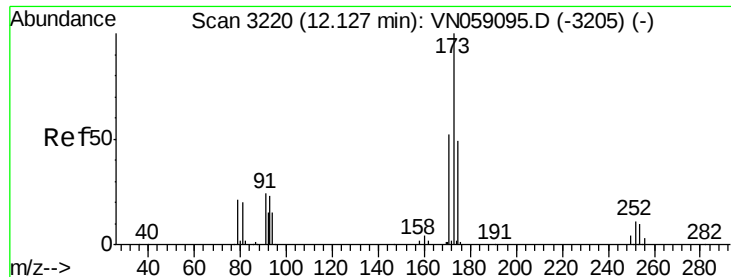
Tot Ion:106 Resp: 89388
Ion Ratio Lower Upper
106 100
91 221.5 110.1 330.3



#70
Styrene
Concen: 0.596 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.02 min
Lab File: VN059224.D
Acq: 14 Nov 2019 11:41

Tgt Ion:104 Resp: 6691
Ion Ratio Lower Upper
104 100
78 222.9 41.2 61.8#
103 198.9 43.8 65.6#





#71

Bromoform

Concen: 0.500 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

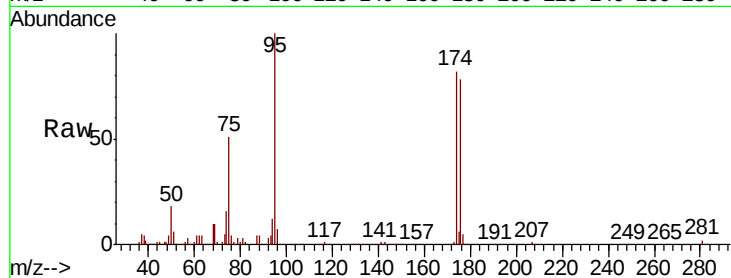
Tot Ion:173 Resp: 1621

Ion Ratio Lower Upper

173 100

175 783.2 24.2 72.6#

254 0.0 0.1 0.1#

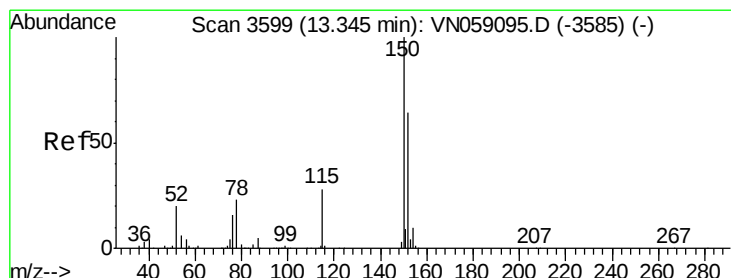
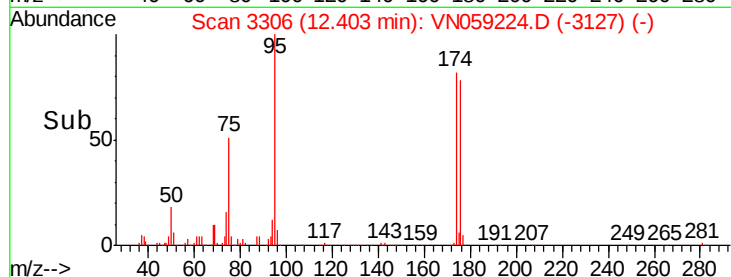
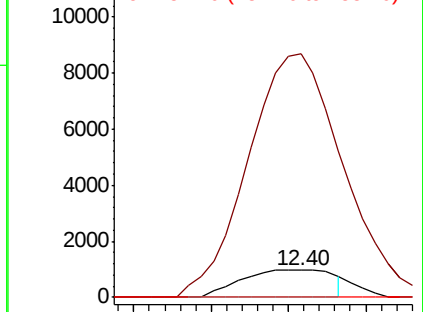


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

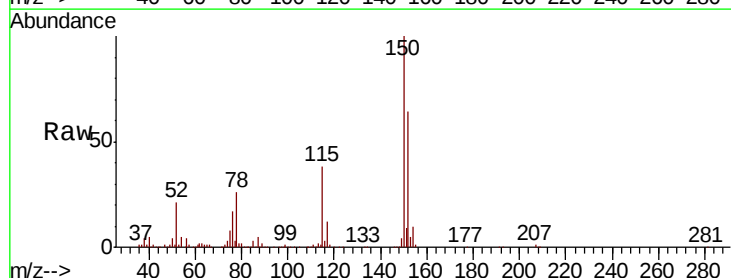
Tgt Ion:152 Resp: 205356

Ion Ratio Lower Upper

152 100

115 60.2 29.4 88.2

150 158.9 0.0 345.8

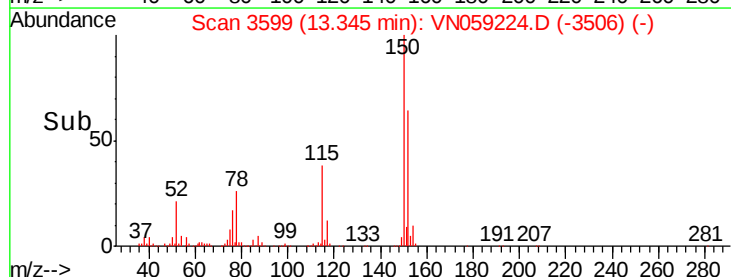
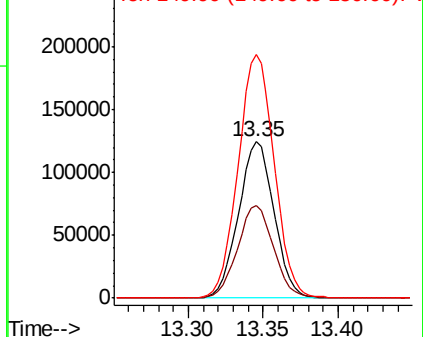


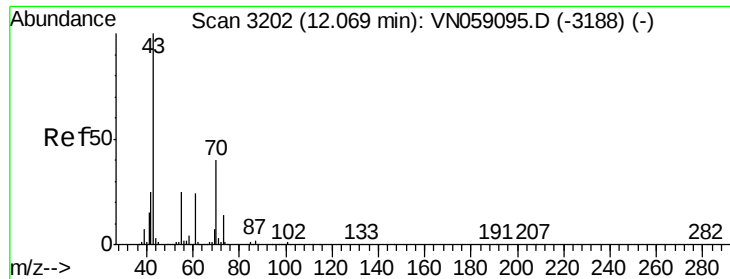
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyl acetate

Concen: 1.347 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN059224.D

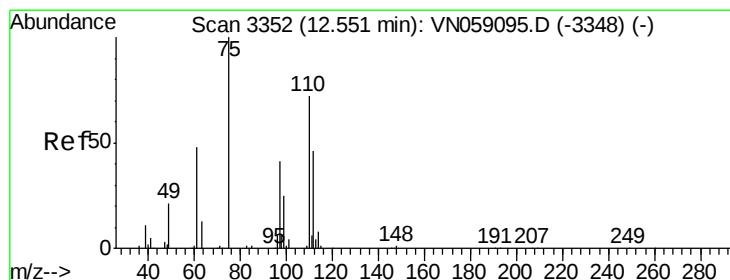
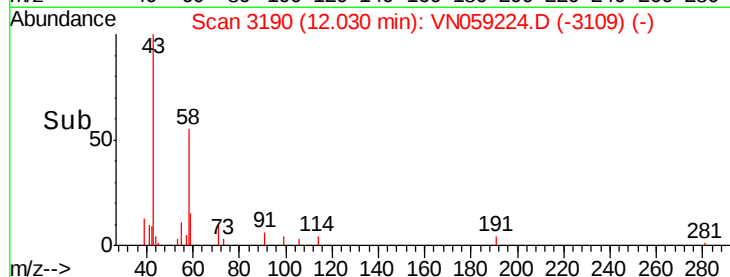
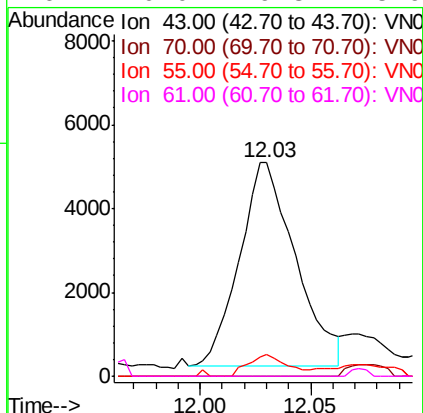
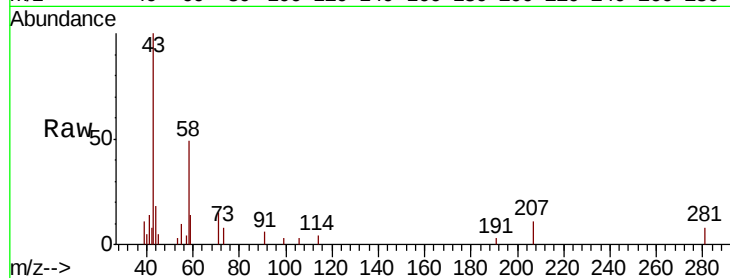
Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	43	Resp:	8529
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.2	48.4#
55	7.6	20.4	30.6#
61	0.0	19.3	28.9#



#76

1,2,3-Trichloropropane

Concen: 27.257 ug/l

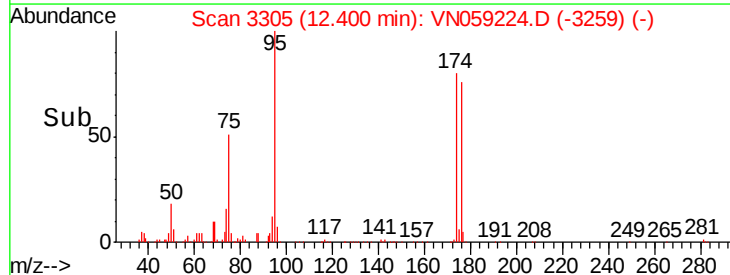
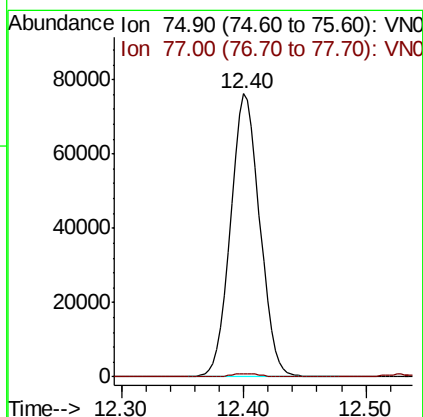
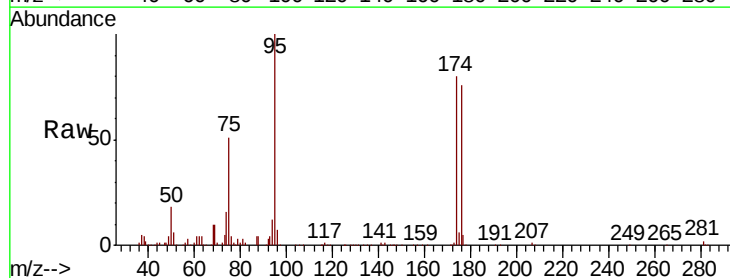
RT: 12.40 min Scan# 3305

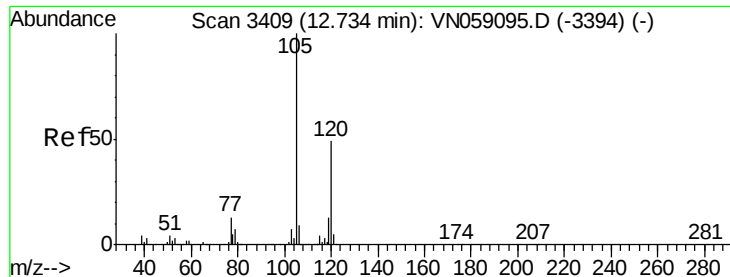
Delta R.T. -0.15 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Tgt Ion:	75	Resp:	127432
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.964 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

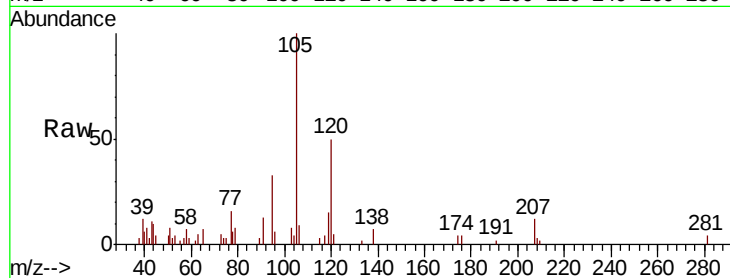
ClientSampled :

Tot Ion:105 Resp: 12207

Ion Ratio Lower Upper

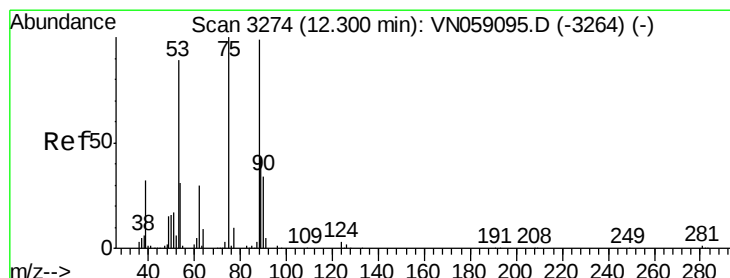
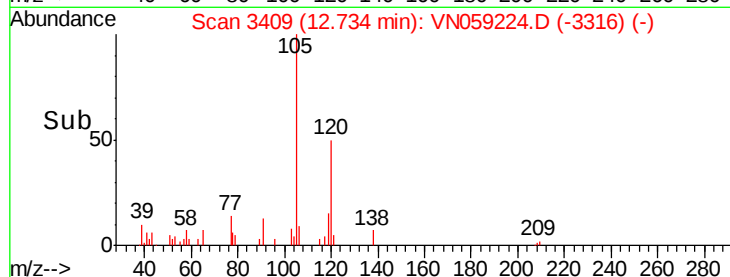
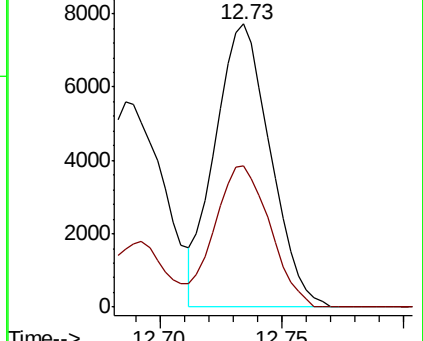
105 100

120 49.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 71.992 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

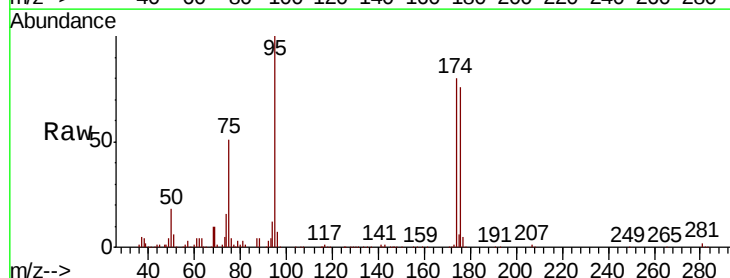
Tgt Ion: 75 Resp: 127432

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

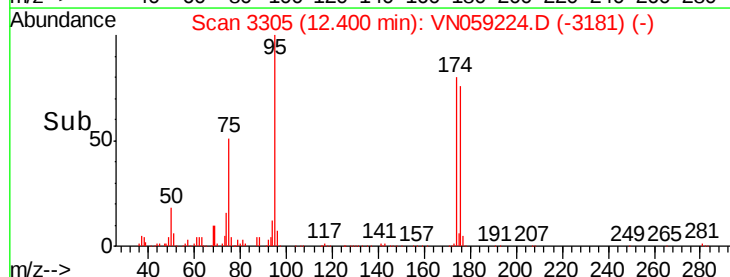
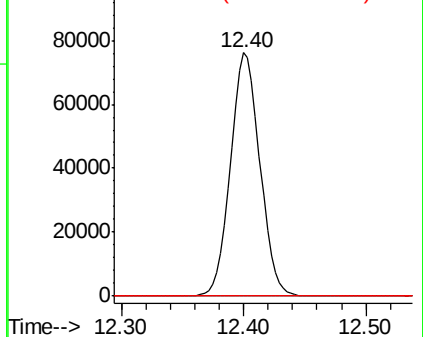
89 0.0 35.8 53.8#

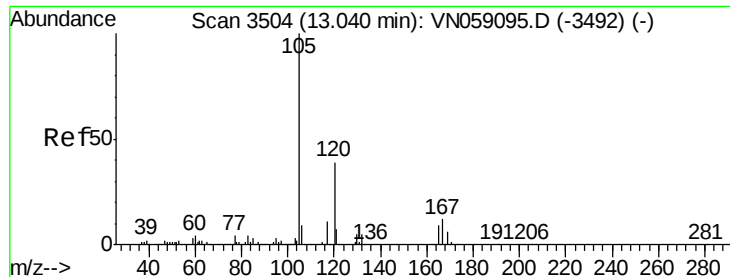


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.580 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

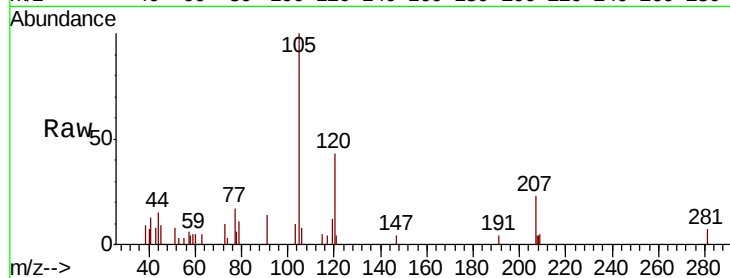
ClientSampleId :

Tot Ion: 105 Resp: 7101

Ion Ratio Lower Upper

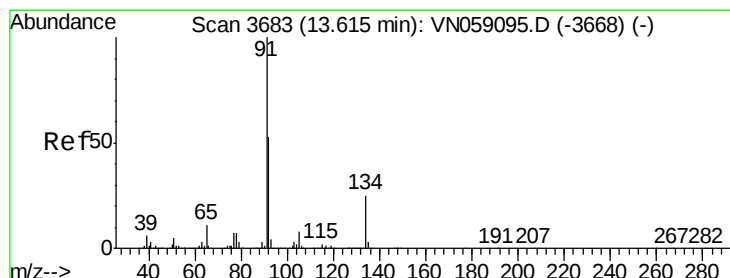
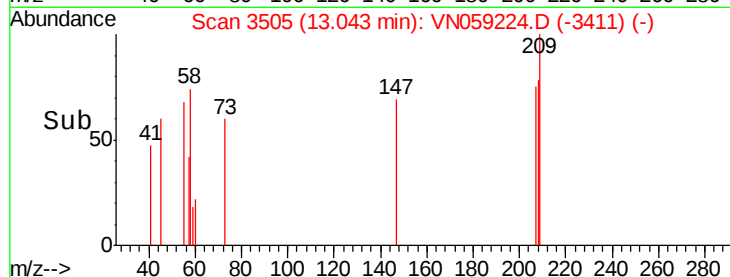
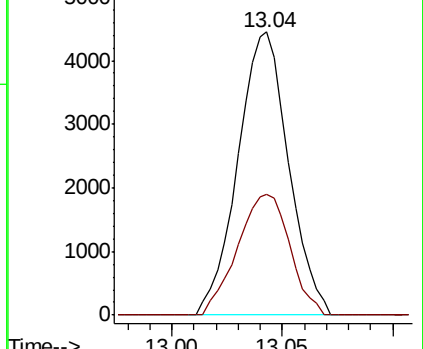
105 100

120 44.0 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#89

n-Butylbenzene

Concen: 0.224 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

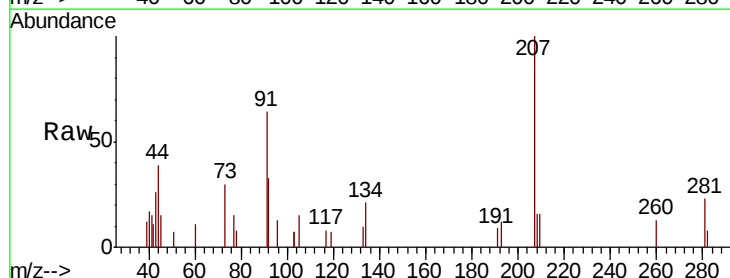
Tgt Ion: 91 Resp: 2456

Ion Ratio Lower Upper

91 100

92 49.9 26.1 78.3

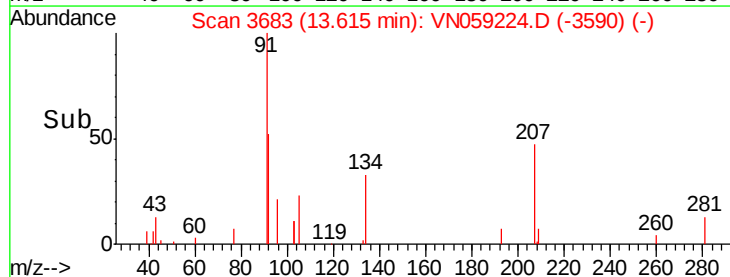
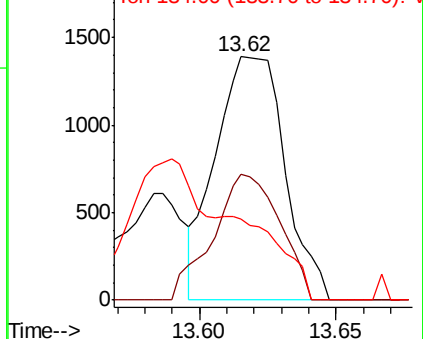
134 0.0 12.6 37.8#

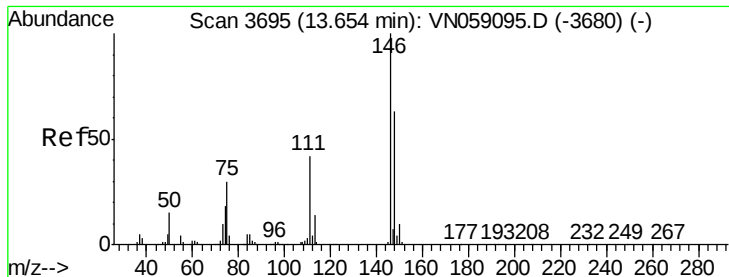


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.208 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059224.D

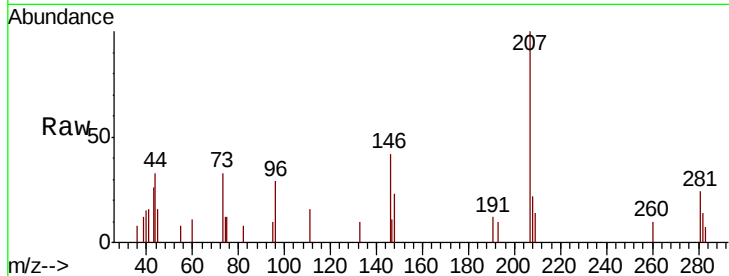
Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	1315
Ion	Ratio	Lower	Upper
146	100		
111	38.6	21.2	63.6
148	59.5	31.6	94.7

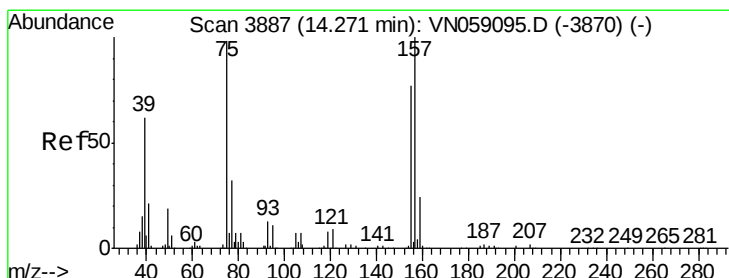
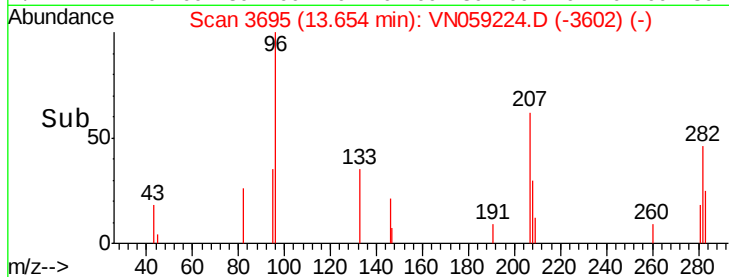
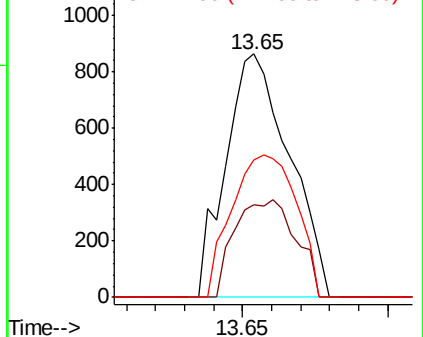


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.703 ug/l

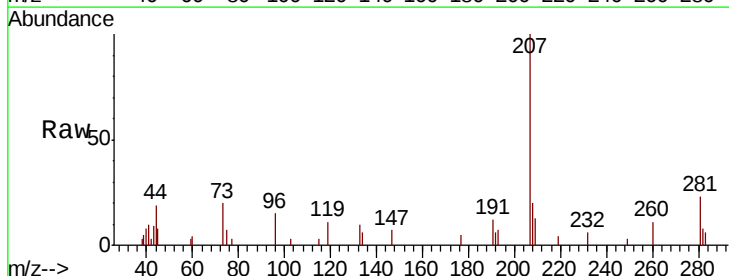
RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Tgt Ion:	75	Resp:	687
Ion	Ratio	Lower	Upper
75	100		
155	0.0	40.2	120.6#
157	0.0	51.8	155.5#

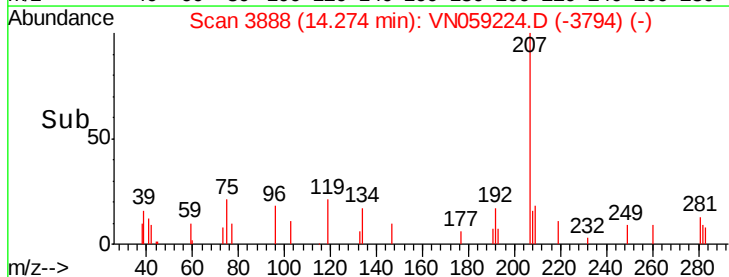
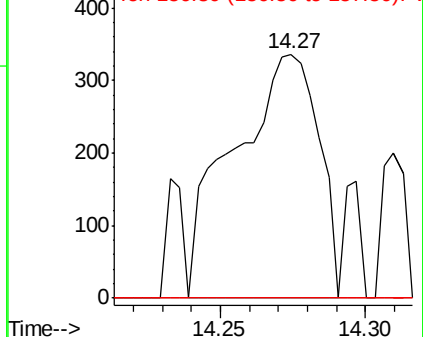


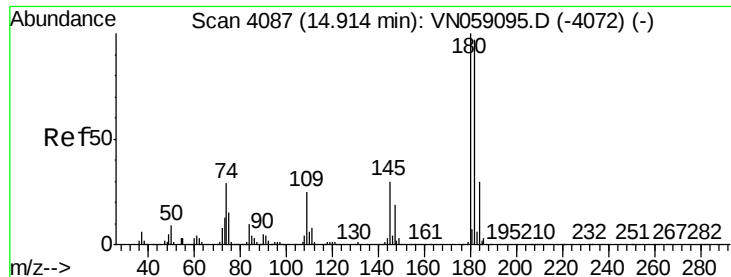
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

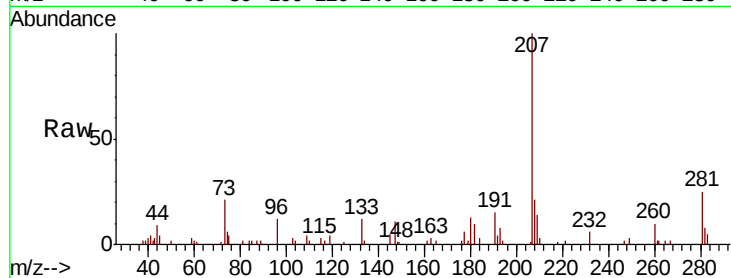




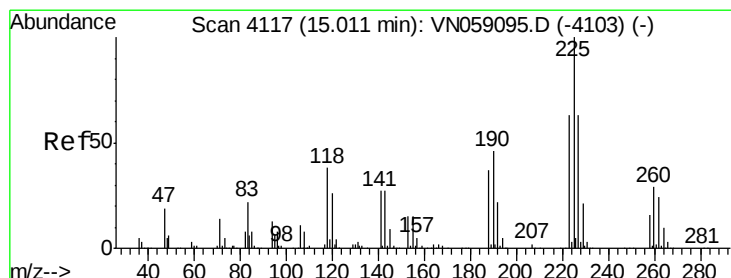
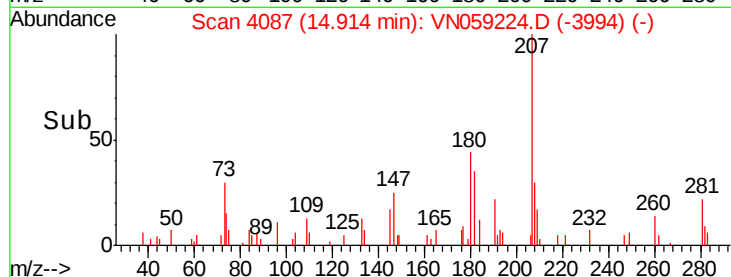
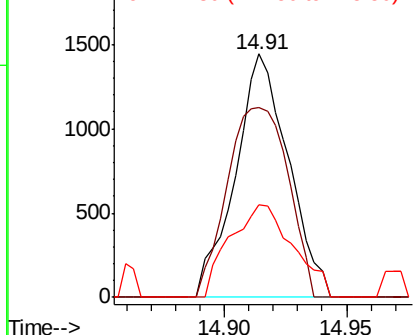
#93
 1,2,4-Trichlorobenzene
 Concen: 3.578 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059224.D
 Acq: 14 Nov 2019 11:41

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 2172
 Ion Ratio Lower Upper
 180 100
 182 90.4 48.1 144.3
 145 45.3 15.1 45.3#

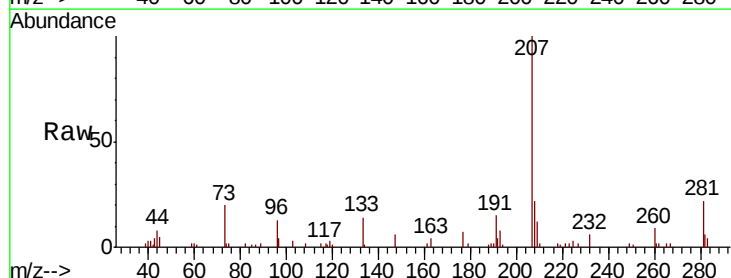


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

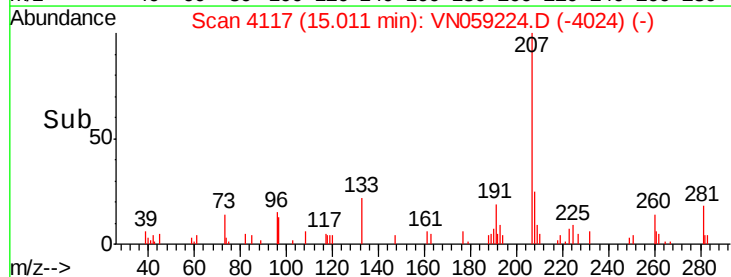
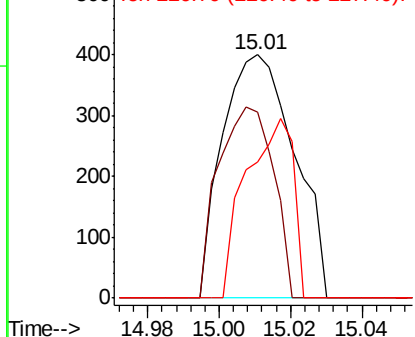


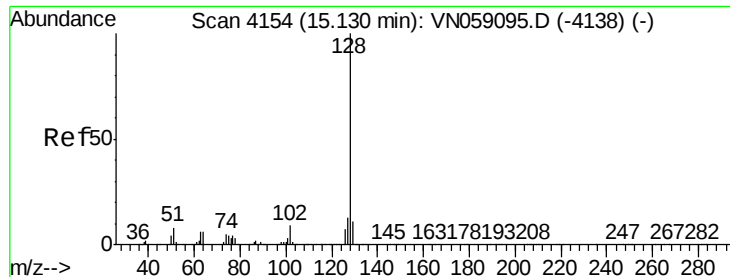
#94
 Hexachlorobutadiene
 Concen: 0.256 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059224.D
 Acq: 14 Nov 2019 11:41

Tgt Ion:225 Resp: 559
 Ion Ratio Lower Upper
 225 100
 223 59.7 31.3 93.9
 227 48.5 31.5 94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.961 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

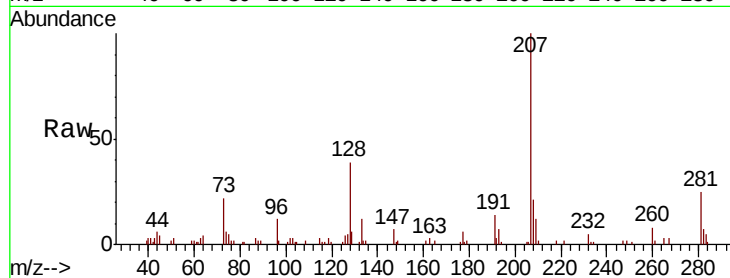
Tot Ion:128 Resp: 10385

Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.2

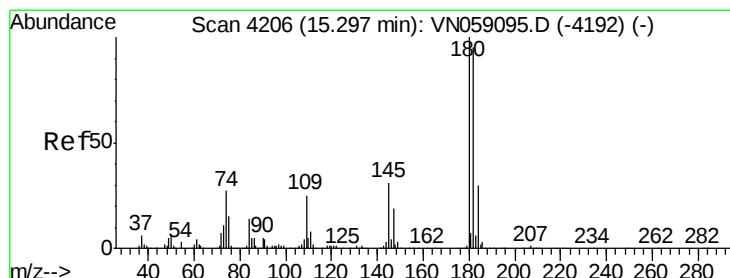
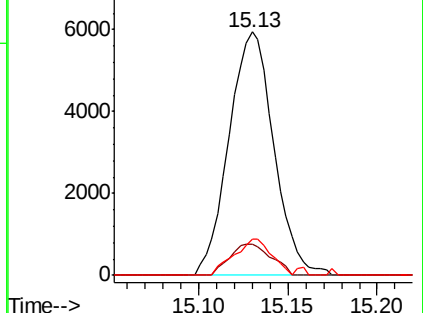
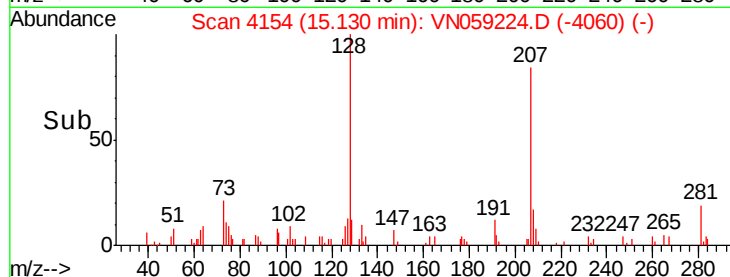
129 12.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.835 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

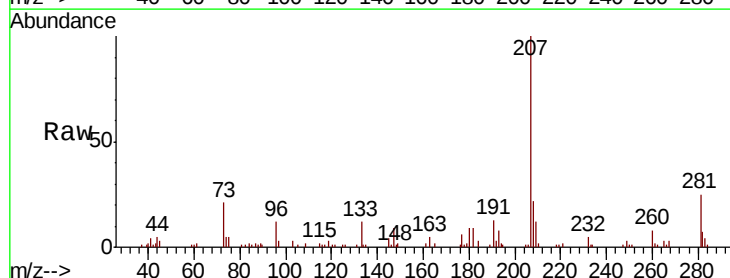
Tgt Ion:180 Resp: 2958

Ion Ratio Lower Upper

180 100

182 101.8 47.3 141.8

145 31.0 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

