

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
 Data File : VN059424.D
 Acq On : 27 Nov 2019 14:59
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 28 02:01:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	335428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	524774	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	455537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	184613	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	190507	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
35) Dibromofluoromethane	7.57	113	152512	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
50) Toluene-d8	10.08	98	599375	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
62) 4-Bromofluorobenzene	12.40	95	198376	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	857	0.307	ug/l	97
11) Tert butyl alcohol	4.75	59	231	0.339	ug/l #	85
13) Acrolein	3.58	56	925	1.392	ug/l #	72
15) Acrylonitrile	4.96	53	1018	0.537	ug/l #	49
16) Acetone	3.80	43	1598	0.854	ug/l #	84
17) Carbon Disulfide	4.03	76	8899	0.779	ug/l	97
18) Methyl Acetate	4.31	43	1966	0.386	ug/l #	52
20) Methylene Chloride	4.53	84	850	0.223	ug/l #	58
21) trans-1,2-Dichloroethene	5.00	96	820	0.226	ug/l #	61
23) Vinyl Acetate	5.89	43	2552	0.276	ug/l #	72
25) 2-Butanone	6.82	43	1852	0.719	ug/l #	48
27) cis-1,2-Dichloroethene	6.81	96	805	0.203	ug/l	74
28) Bromochloromethane	7.18	49	363	1.413	ug/l #	33
29) Tetrahydrofuran	7.20	42	1123	0.656	ug/l #	38
30) Chloroform	7.35	83	2580	0.388	ug/l	99
31) Cyclohexane	7.65	56	6027	0.911	ug/l #	1
38) Carbon Tetrachloride	7.64	117	30763	6.459	ug/l #	17
42) 1,2-Dichloroethane	8.10	62	995	0.209	ug/l #	74
44) Trichloroethene	8.82	130	815	0.213	ug/l	66
49) 1,4-Dioxane	9.19	88	99	1.884	ug/l #	24
51) 4-Methyl-2-Pentanone	9.98	43	3831	0.814	ug/l #	75
53) t-1,3-Dichloropropene	10.38	75	1229	0.219	ug/l #	37
56) Ethyl methacrylate	10.43	69	470	Below Cal	#	45
58) 2-Chloroethyl Vinyl ether	9.70	63	630	0.420	ug/l #	58
59) 2-Hexanone	10.75	43	4774	1.368	ug/l	91
64) Tetrachloroethene	10.63	164	704	0.209	ug/l #	83
65) Chlorobenzene	11.43	112	2189	0.237	ug/l #	86
68) m/p-Xylenes	11.62	106	2069	0.342	ug/l	99
70) Styrene	11.97	104	2306	Below Cal		89
74) N-amyl acetate	12.08	43	2397	Below Cal	#	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	1266	0.284	ug/l #	96
76) 1,2,3-Trichloropropane	12.40	75	93272	22.333	ug/l #	100
77) Bromobenzene	12.53	156	1349	0.403	ug/l	85
78) n-propylbenzene	12.59	91	4456	0.283	ug/l	92

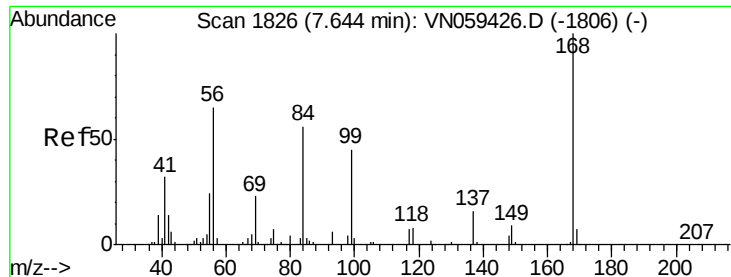
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
 Data File : VN059424.D
 Acq On : 27 Nov 2019 14:59
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Quant Time: Nov 28 02:01:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.68	91	2610	0.277	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	2434	0.212	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	93272	57.383	ug/l #	17
82) 4-Chlorotoluene	12.78	91	4300	0.444	ug/l	96
84) 1,2,4-Trimethylbenzene	13.05	105	3257	0.289	ug/l	95
85) sec-Butylbenzene	13.17	105	2988	0.228	ug/l	96
86) p-Isopropyltoluene	13.29	119	3707	0.313	ug/l	94
87) 1,3-Dichlorobenzene	13.29	146	3556	0.599	ug/l	100
88) 1,4-Dichlorobenzene	13.29	146	3556	0.597	ug/l	98
89) n-Butylbenzene	13.62	91	6174	0.596	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	3655	0.629	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1499	Below Cal	#	8
93) 1,2,4-Trichlorobenzene	14.92	180	7998	2.213	ug/l	99
94) Hexachlorobutadiene	15.01	225	2751	1.242	ug/l	96
95) Naphthalene	15.13	128	44817	3.708	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	10994	0.466	ug/l	95

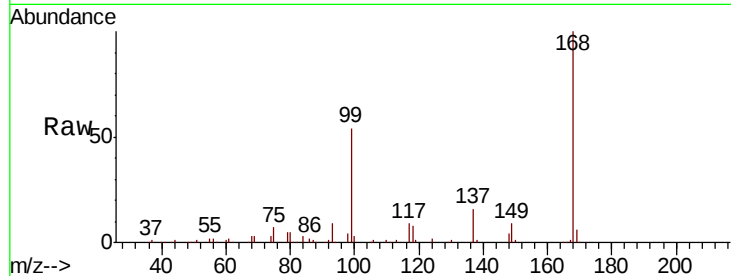
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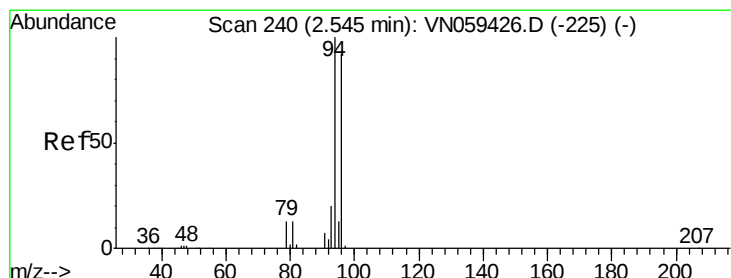
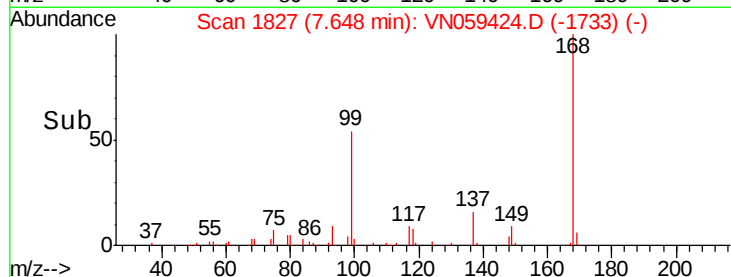
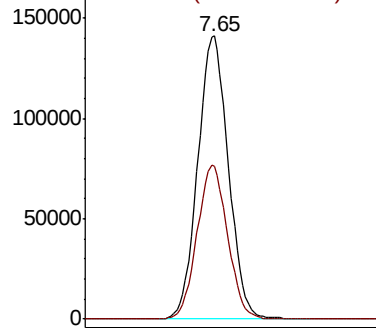
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN059424.D
Acq: 27 Nov 2019 14:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 335428
Ion Ratio Lower Upper
168 100
99 54.1 43.0 64.4

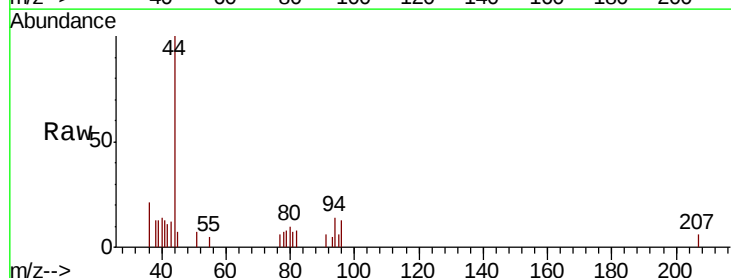


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VNO

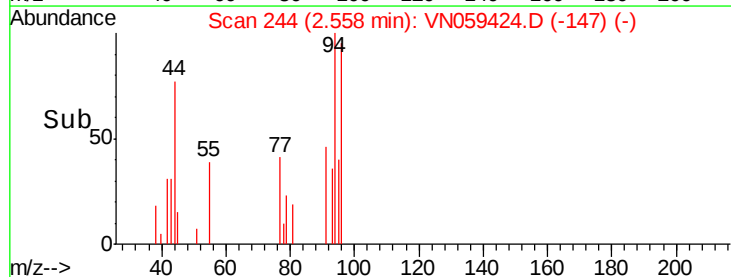
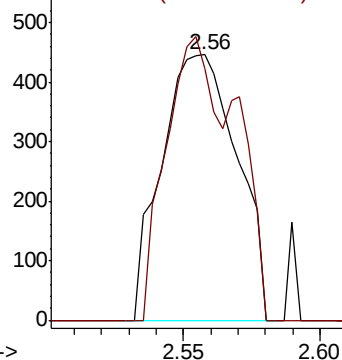


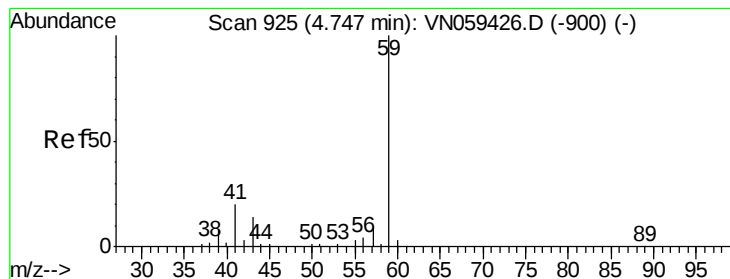
#5
Bromomethane
Concen: 0.307 ug/l
RT: 2.56 min Scan# 244
Delta R.T. 0.01 min
Lab File: VN059424.D
Acq: 27 Nov 2019 14:59

Tgt Ion: 94 Resp: 857
Ion Ratio Lower Upper
94 100
96 94.6 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



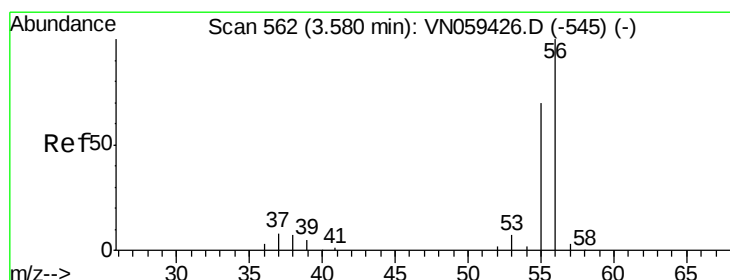
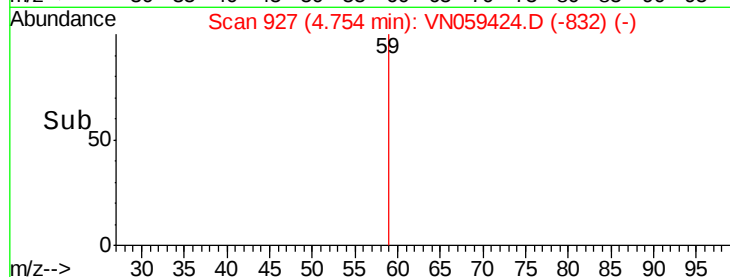
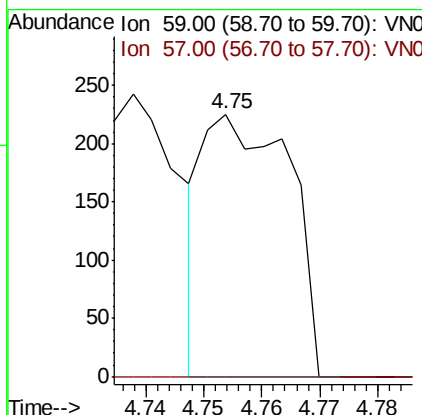
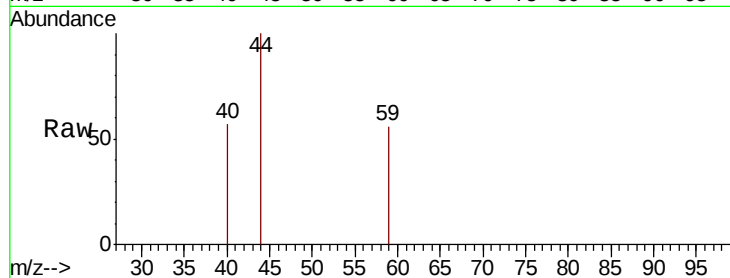


#11

Tert butyl alcohol
 Concen: 0.339 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: VN059424.D
 Acq: 27 Nov 2019 14:59

Instrument :
 MSVOA_N
 ClientSampled :

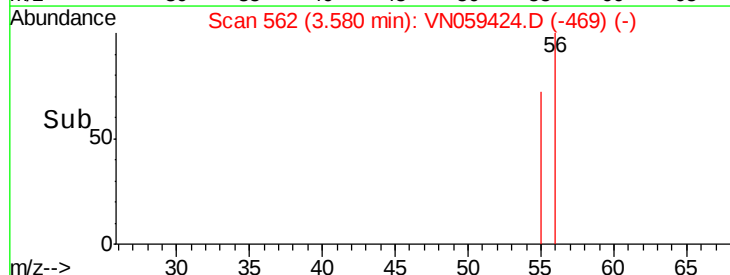
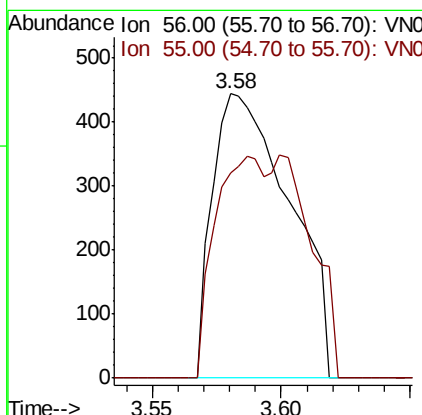
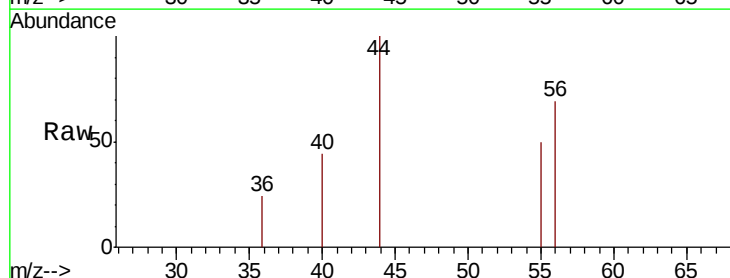
Tot Ion: 59 Resp: 231
 Ion Ratio Lower Upper
 59 100
 57 0.0 3.8 5.8#

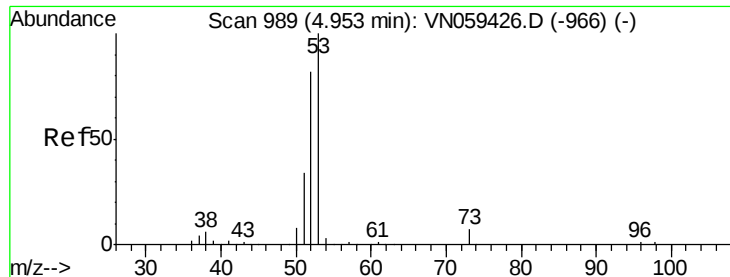


#13

Acrolein
 Concen: 1.392 ug/l
 RT: 3.58 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: VN059424.D
 Acq: 27 Nov 2019 14:59

Tgt Ion: 56 Resp: 925
 Ion Ratio Lower Upper
 56 100
 55 49.0 57.8 86.6#





#15

Acrylonitrile

Concen: 0.537 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.01 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

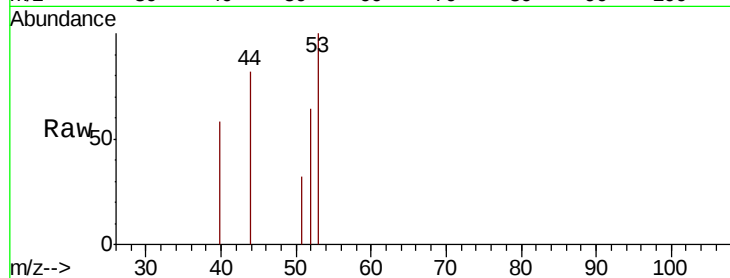
Tot Ion: 53 Resp: 1018

Ion Ratio Lower Upper

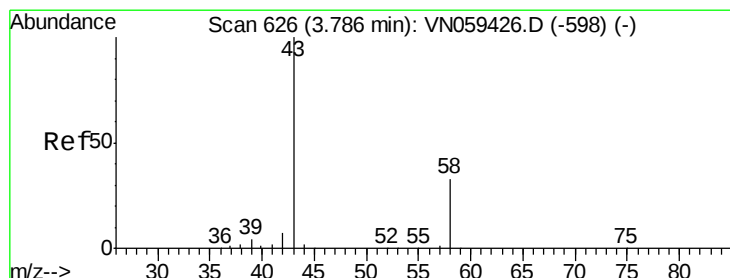
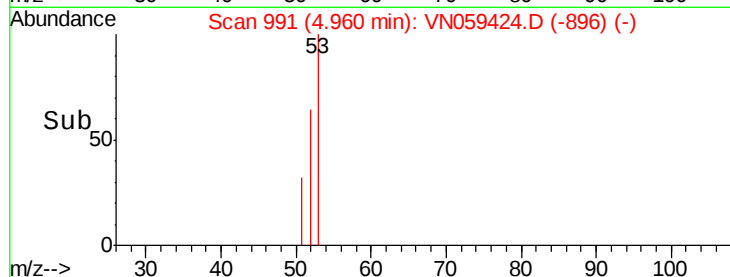
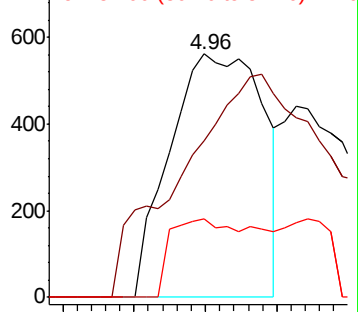
53 100

52 138.0 65.1 97.7#

51 21.9 27.8 41.8#



Abundance Ion 53.00 (52.70 to 53.70): VN059426.D (-966) (-)



#16

Acetone

Concen: 0.854 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059424.D

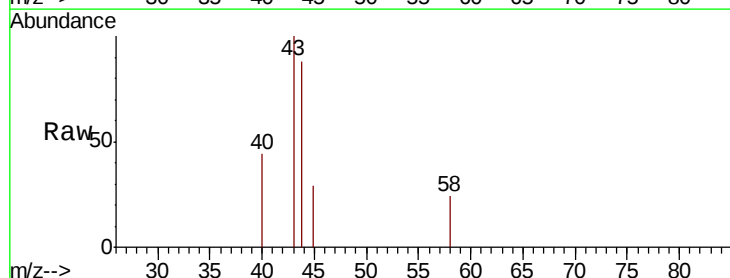
Acq: 27 Nov 2019 14:59

Tgt Ion: 43 Resp: 1598

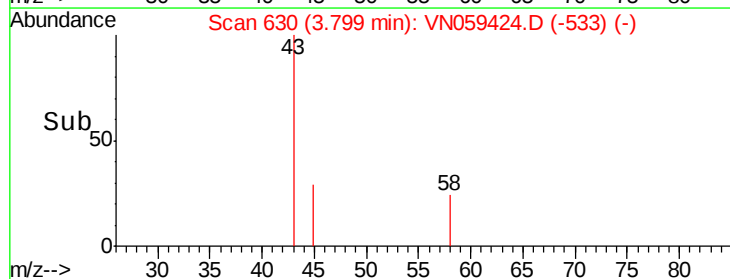
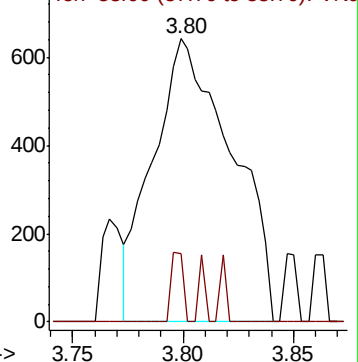
Ion Ratio Lower Upper

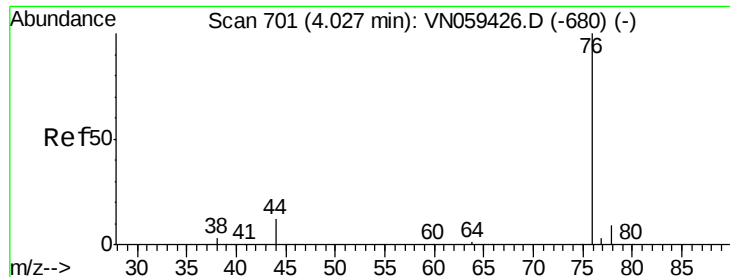
43 100

58 24.1 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN059426.D (-598) (-)

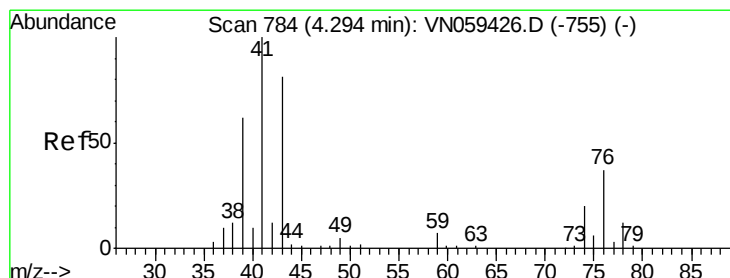
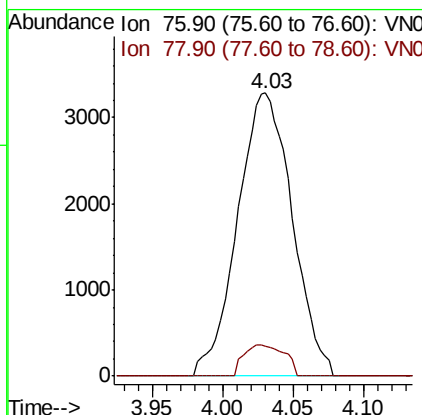
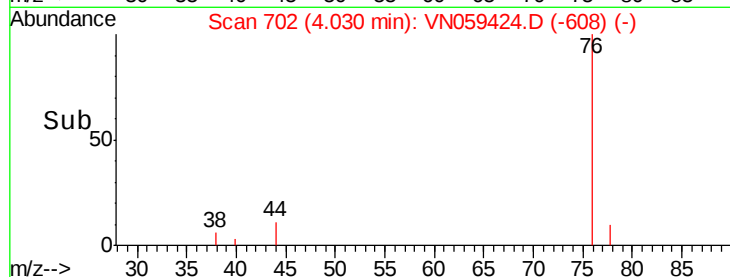
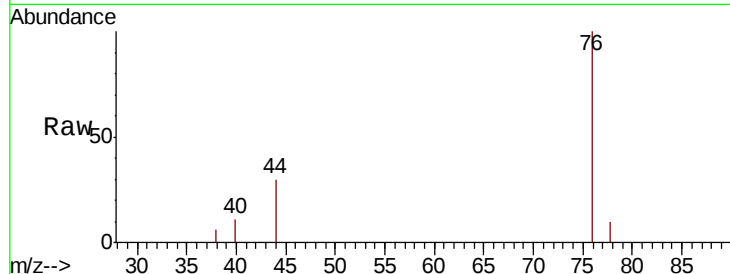




#17
Carbon Disulfide
Concen: 0.779 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059424.D
Acq: 27 Nov 2019 14:59

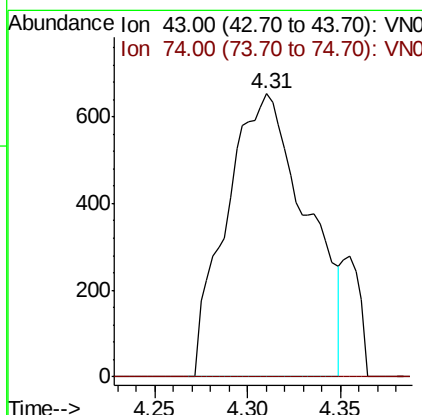
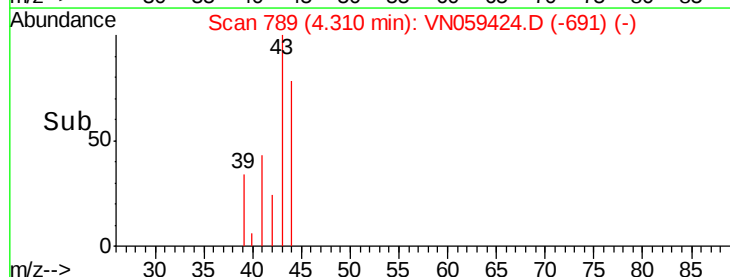
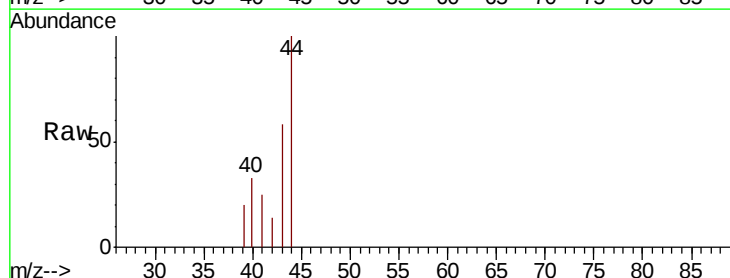
Instrument :
MSVOA_N
ClientSampled :

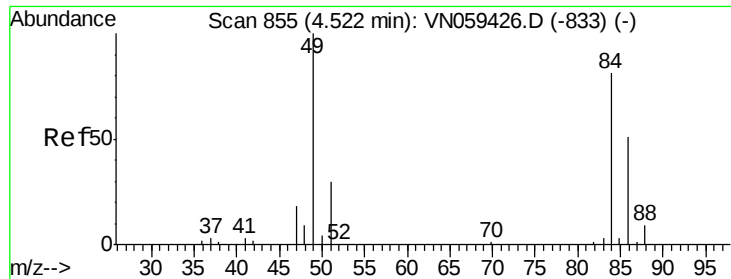
Tot Ion: 76 Resp: 8899
Ion Ratio Lower Upper
76 100
78 10.4 7.4 11.0



#18
Methyl Acetate
Concen: 0.386 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.02 min
Lab File: VN059424.D
Acq: 27 Nov 2019 14:59

Tgt Ion: 43 Resp: 1966
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#

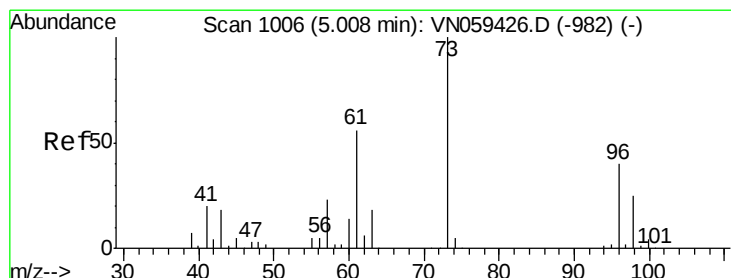
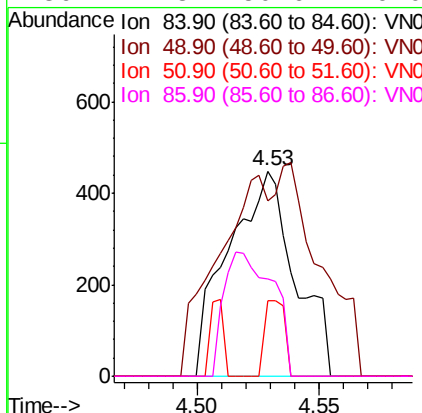
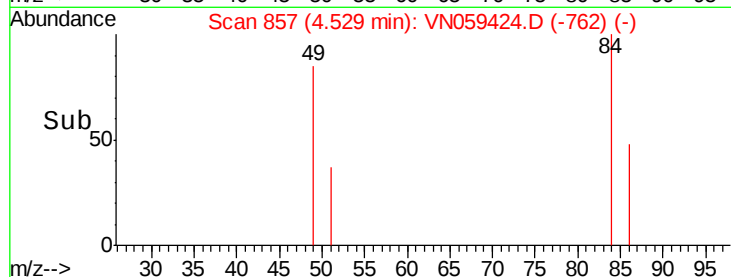
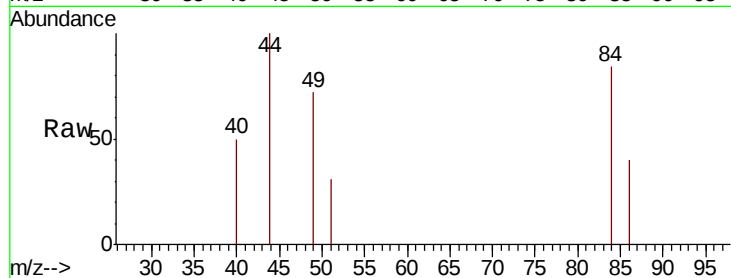




#20
Methylene Chloride
Concen: 0.223 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059424.D
Acq: 27 Nov 2019 14:59

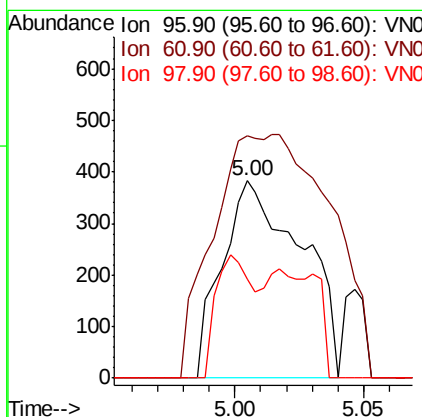
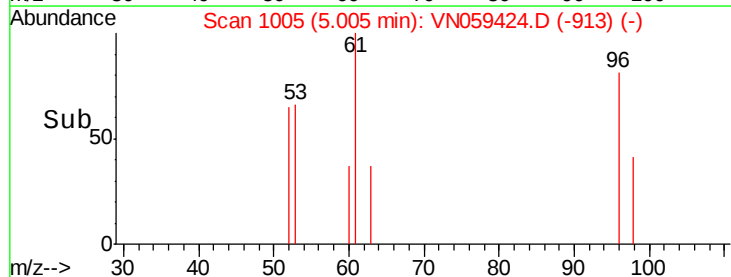
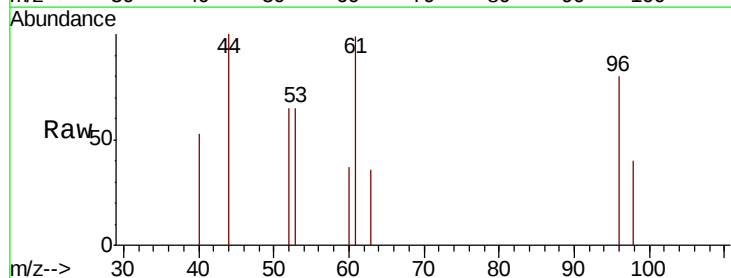
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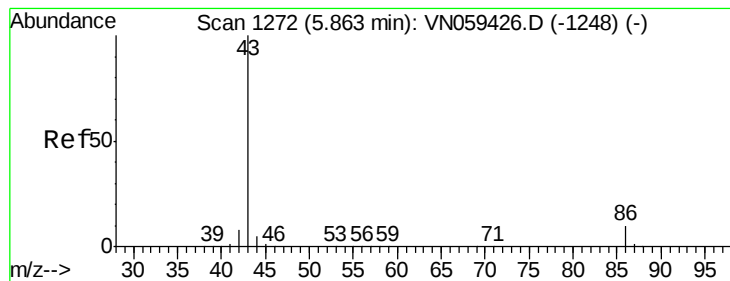
Tot Ion: 84 Resp: 850
Ion Ratio Lower Upper
84 100
49 49.8 98.6 148.0#
51 36.6 29.4 44.0
86 47.8 50.6 76.0#



#21
trans-1,2-Dichloroethene
Concen: 0.226 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN059424.D
Acq: 27 Nov 2019 14:59

Tgt Ion: 96 Resp: 820
Ion Ratio Lower Upper
96 100
61 82.7 114.0 171.0#
98 50.3 50.5 75.7#





#23

Vinyl Acetate

Concen: 0.276 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.03 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

Instrument :

MSVOA_N

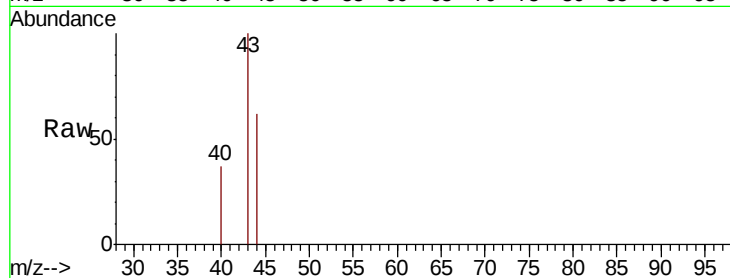
ClientSampled :

Tot Ion: 43 Resp: 2552

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.89

800

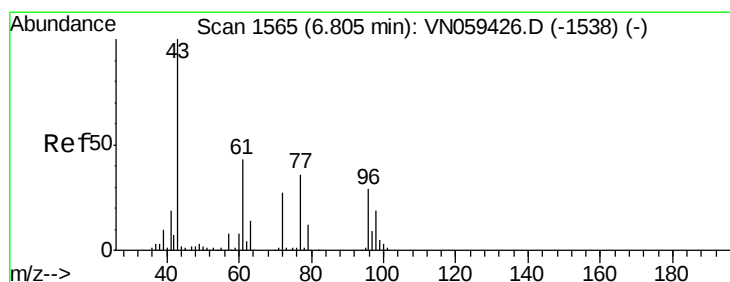
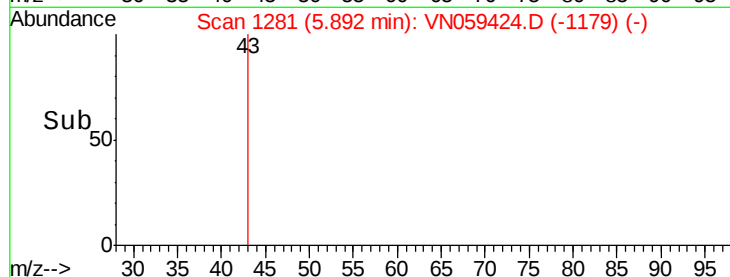
600

400

200

0

Time-->



#25

2-Butanone

Concen: 0.719 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.02 min

Lab File: VN059424.D

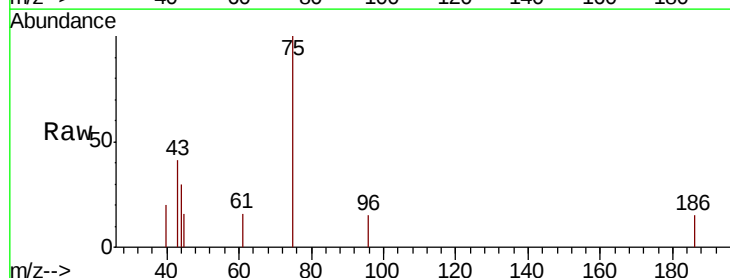
Acq: 27 Nov 2019 14:59

Tgt Ion: 43 Resp: 1852

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.82

600

500

400

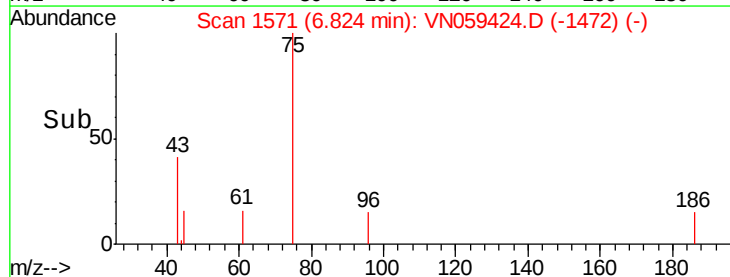
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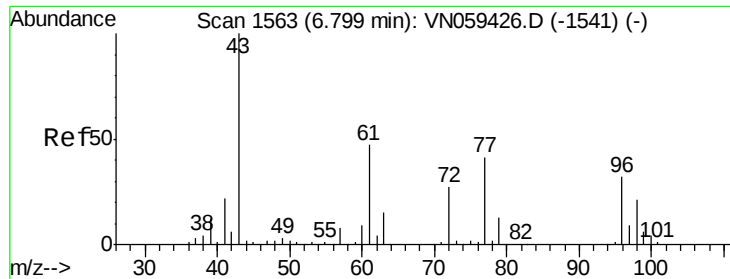
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100

0

Time-->

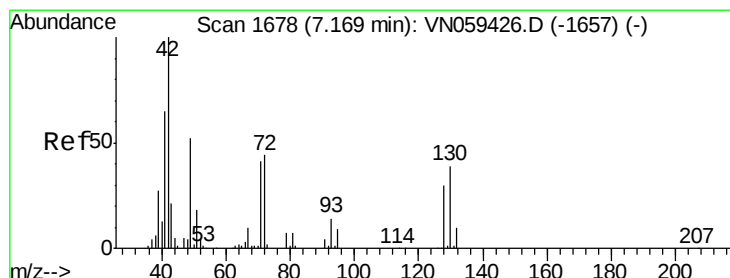
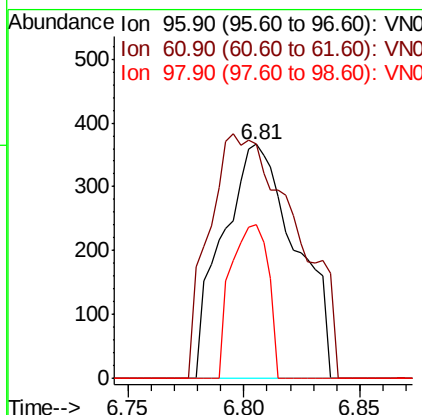
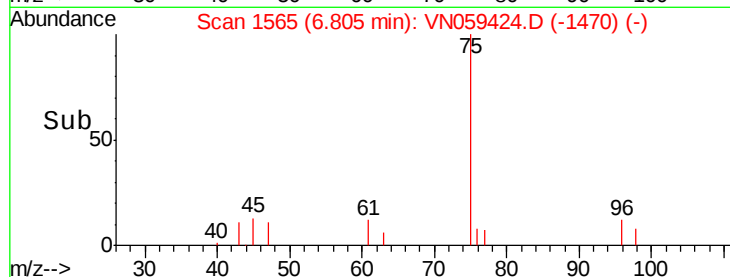
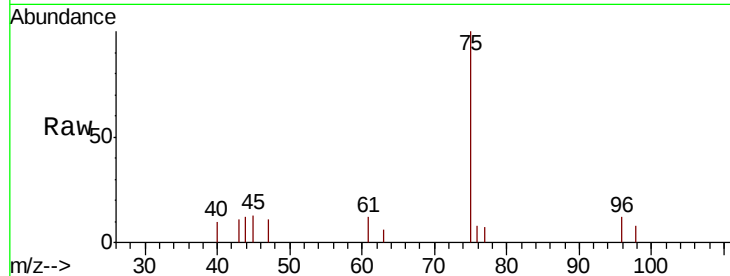




#27
 cis-1,2-Dichloroethene
 Concen: 0.203 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VN059424.D
 Acq: 27 Nov 2019 14:59

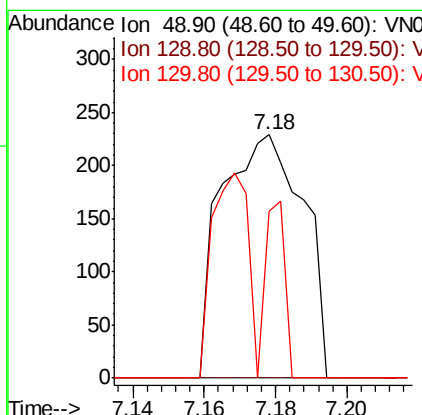
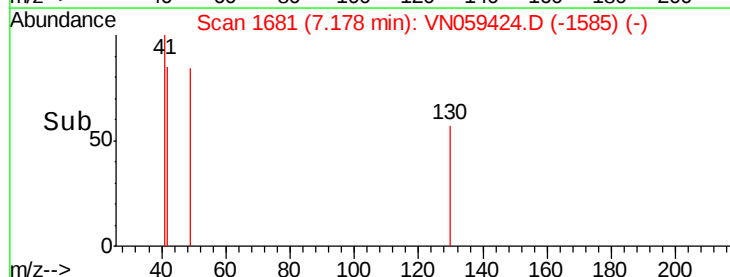
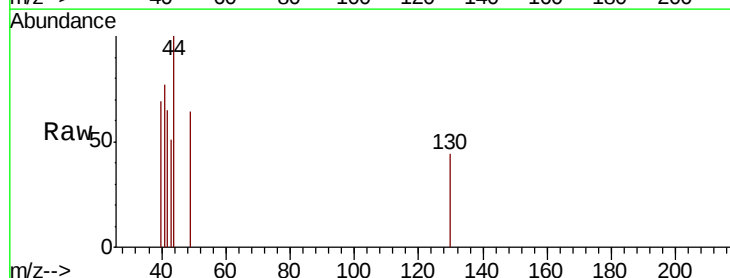
Instrument :
 MSVOA_N
 ClientSampled :

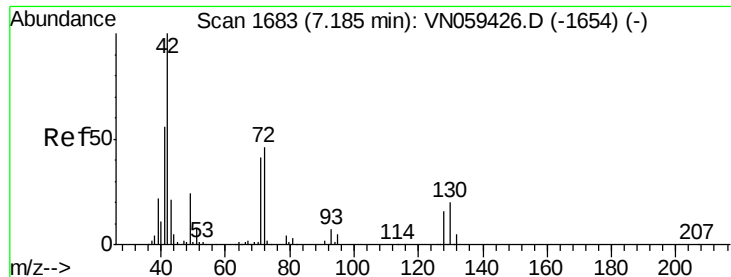
Tot Ion: 96 Resp: 805
 Ion Ratio Lower Upper
 96 100
 61 123.5 0.0 297.6
 98 33.4 0.0 130.8



#28
 Bromochloromethane
 Concen: 1.413 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: VN059424.D
 Acq: 27 Nov 2019 14:59

Tgt Ion: 49 Resp: 363
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 17.4 60.5 90.7#

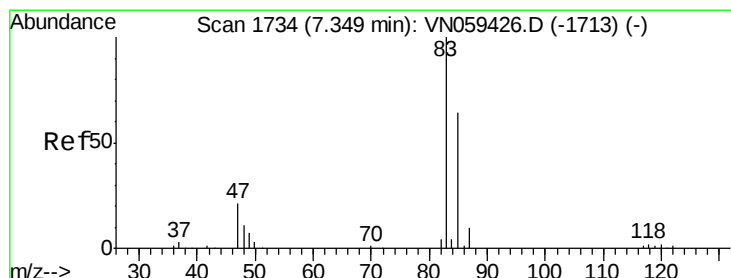
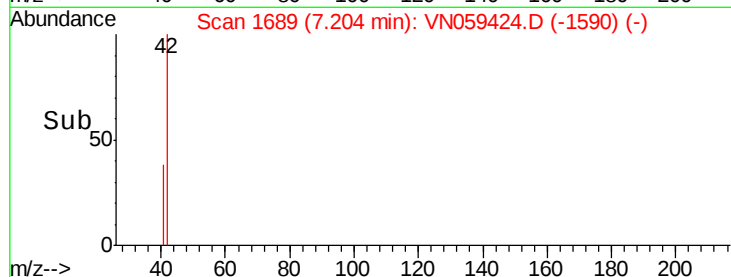
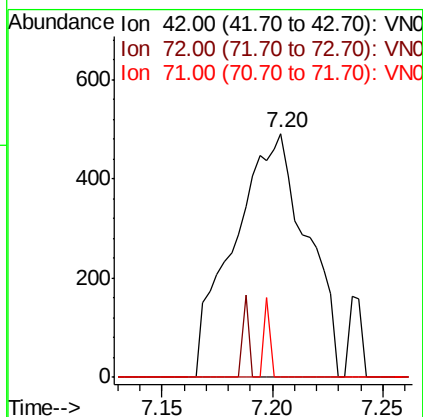
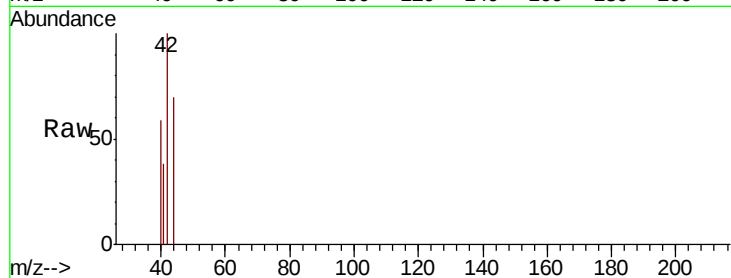




#29
Tetrahydrofuran
Concen: 0.656 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.02 min
Lab File: VN059424.D
Acq: 27 Nov 2019 14:59

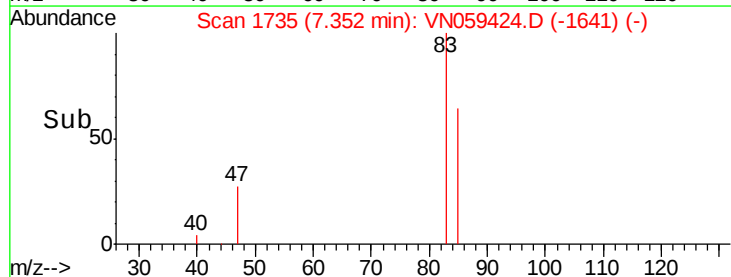
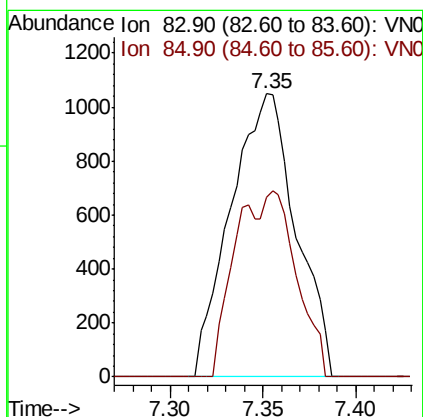
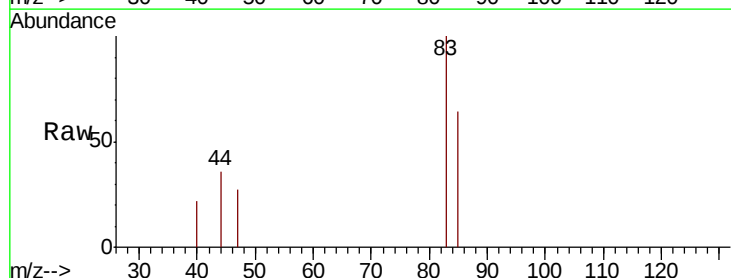
Instrument :
MSVOA_N
ClientSampleId :

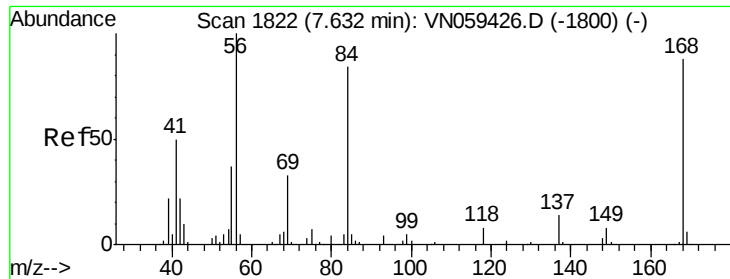
Tot Ion: 42 Resp: 1123
Ion Ratio Lower Upper
42 100
72 2.8 34.6 51.8#
71 2.8 33.0 49.6#



#30
Chloroform
Concen: 0.388 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059424.D
Acq: 27 Nov 2019 14:59

Tgt Ion: 83 Resp: 2580
Ion Ratio Lower Upper
83 100
85 63.6 51.6 77.4

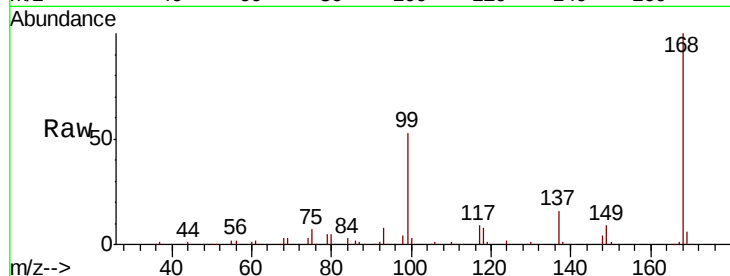




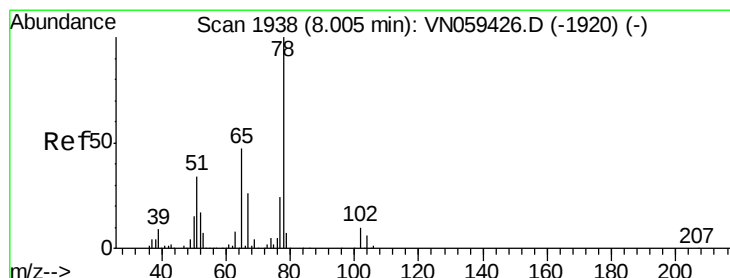
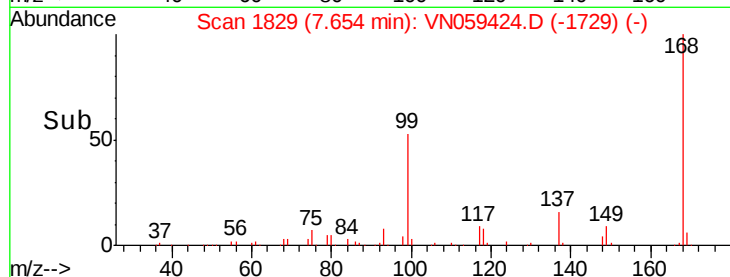
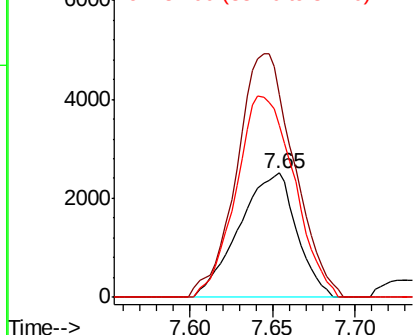
#31
Cyclohexane
Concen: 0.911 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.02 min
Lab File: VN059424.D
Acq: 27 Nov 2019 14:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 6027
Ion Ratio Lower Upper
56 100
69 163.8 26.4 39.6#
84 138.6 67.0 100.6#

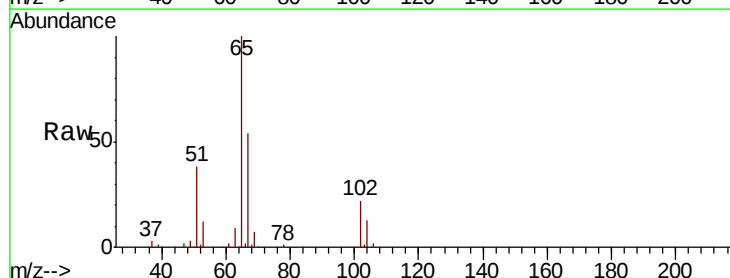


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

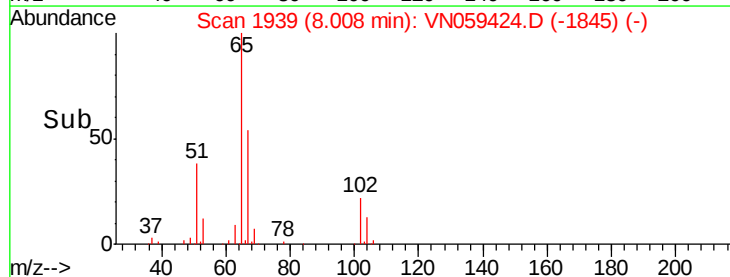
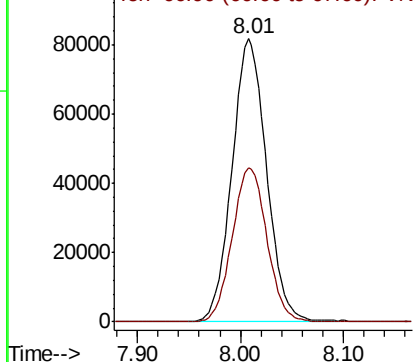


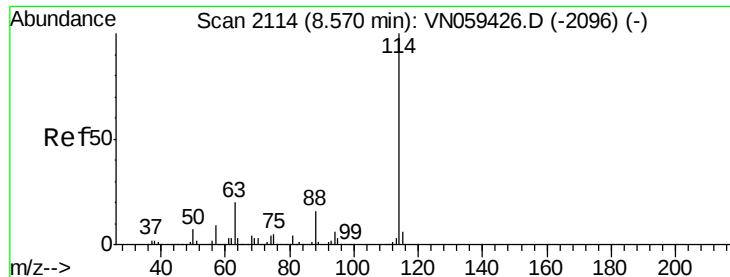
#33
1,2-Dichloroethane-d4
Concen: 48.485 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059424.D
Acq: 27 Nov 2019 14:59

Tgt Ion: 65 Resp: 190507
Ion Ratio Lower Upper
65 100
67 54.6 0.0 111.2



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

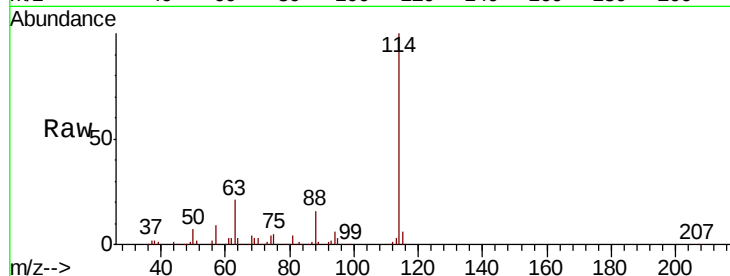




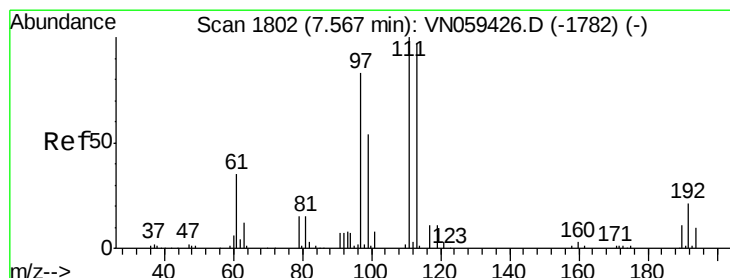
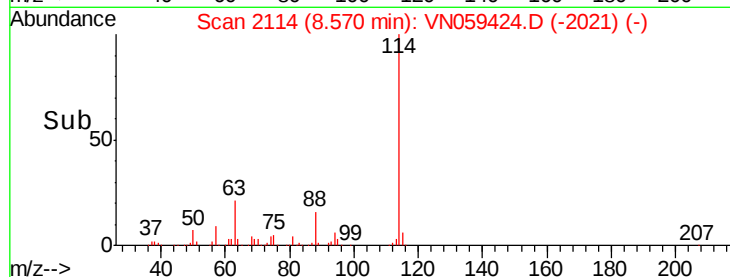
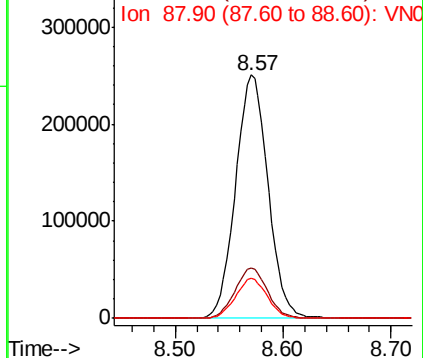
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN059424.D
 Acq: 27 Nov 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.4
88	16.4	0.0	32.2

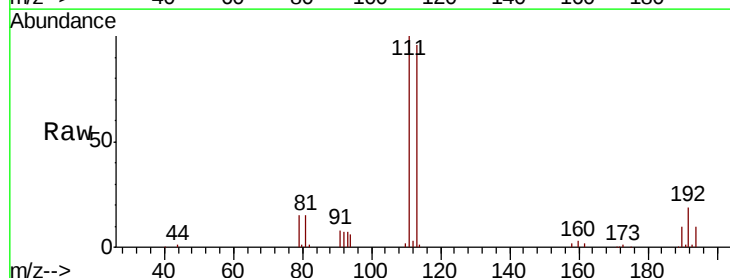


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

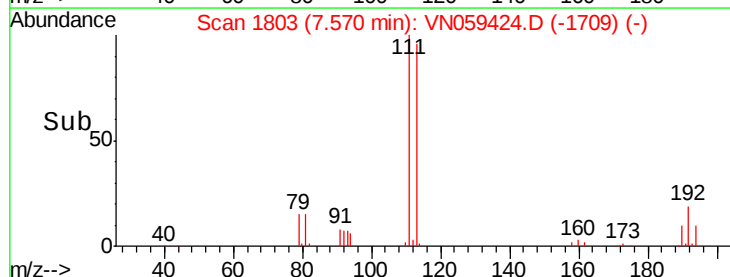
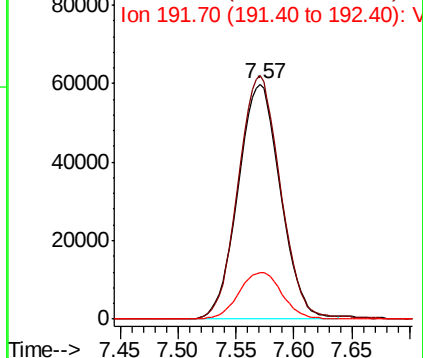


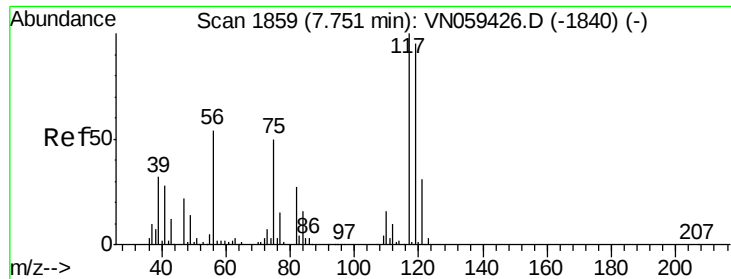
#35
 Dibromofluoromethane
 Concen: 47.712 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059424.D
 Acq: 27 Nov 2019 14:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.9	122.9
192	20.2	16.6	24.8



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

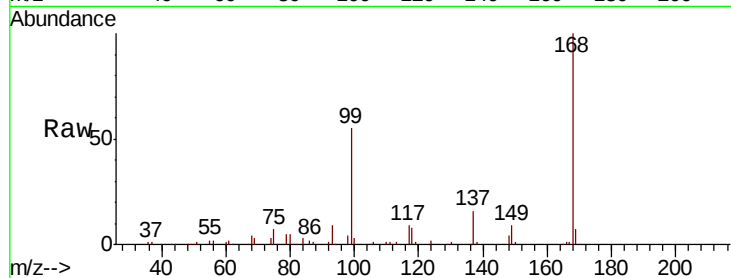




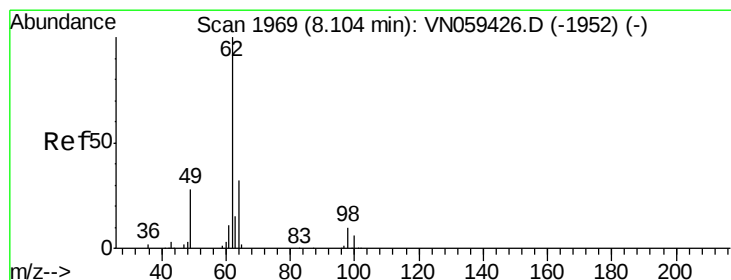
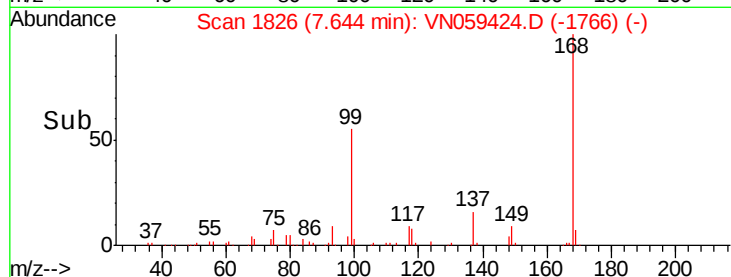
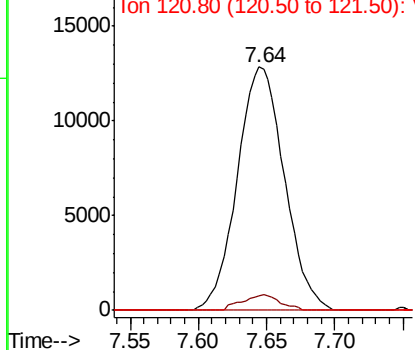
#38
Carbon Tetrachloride
Concen: 6.459 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059424.D
Acq: 27 Nov 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 30763
Ion Ratio Lower Upper
117 100
119 5.7 75.9 113.9#
121 0.0 24.6 36.8#

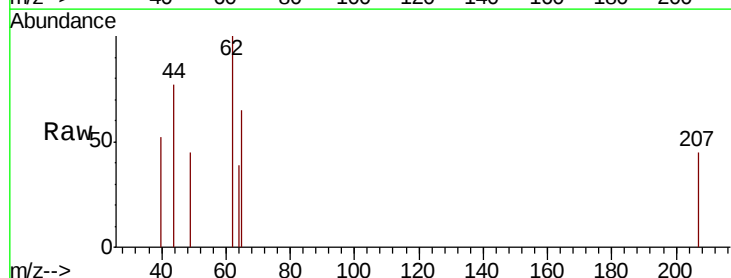


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

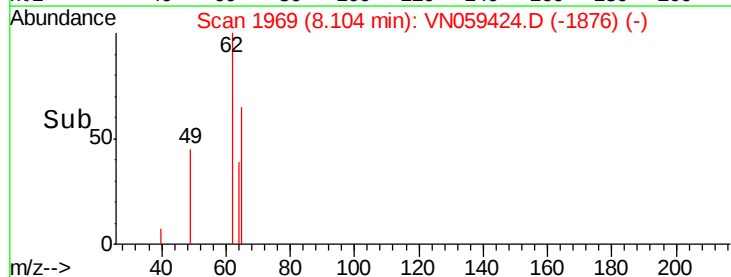
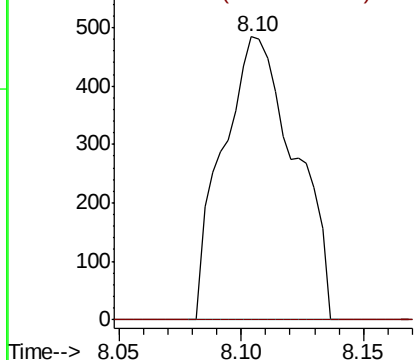


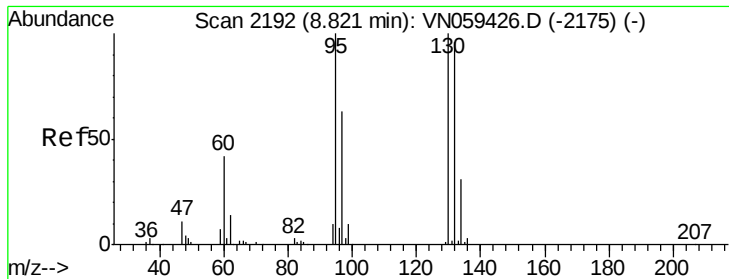
#42
1,2-Dichloroethane
Concen: 0.209 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059424.D
Acq: 27 Nov 2019 14:59

Tgt Ion: 62 Resp: 995
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): V
Ion 97.90 (97.60 to 98.60): V





#44

Trichloroethene

Concen: 0.213 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

Instrument :

MSVOA_N

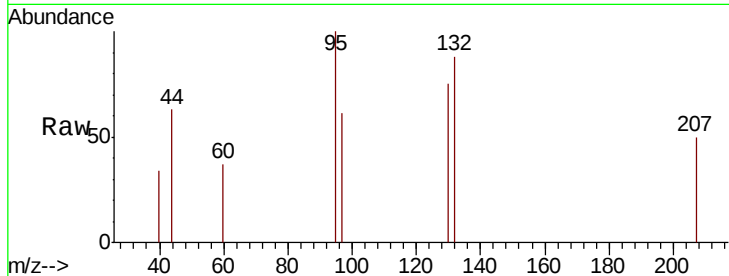
ClientSampled :

Tot Ion:130 Resp: 815

Ion Ratio Lower Upper

130 100

95 134.2 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

600

500

400

300

200

100

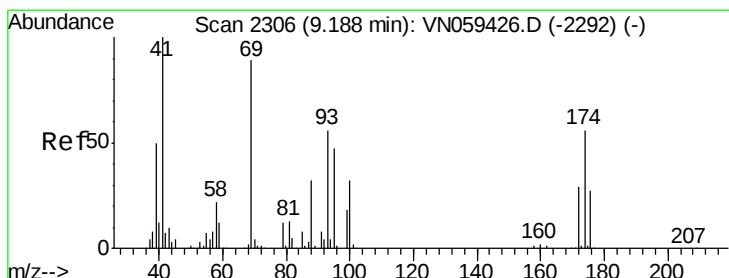
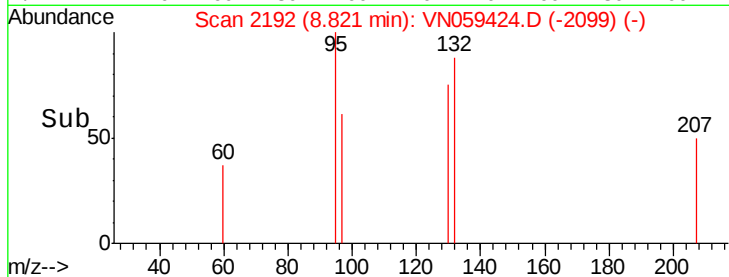
0

8.80

8.82

8.85

Time-->



#49

1,4-Dioxane

Concen: 1.884 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

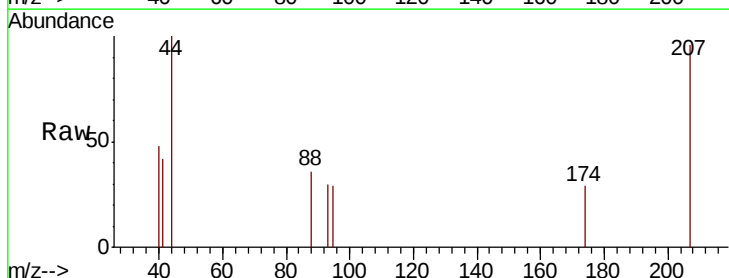
Tgt Ion: 88 Resp: 99

Ion Ratio Lower Upper

88 100

43 0.0 23.7 35.5#

58 0.0 56.3 84.5#



Abundance Ion 88.00 (87.70 to 88.70): VN

Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

250

200

150

100

50

0

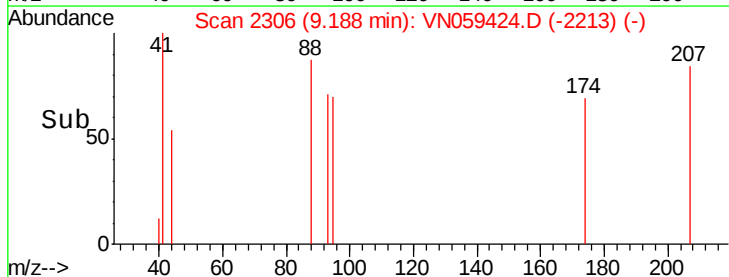
9.17

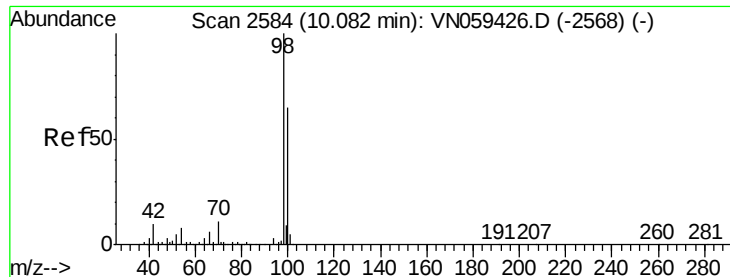
9.18

9.19

9.20

Time-->





#50

Toluene-d8

Concen: 47.060 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

Instrument :

MSVOA_N

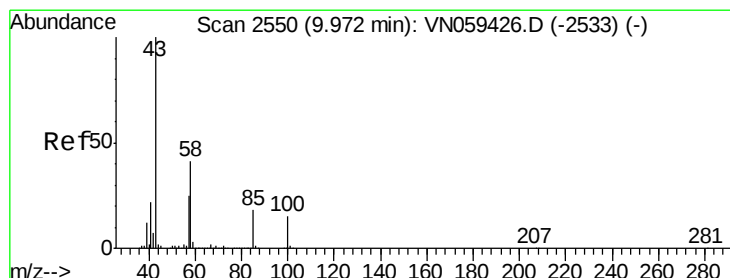
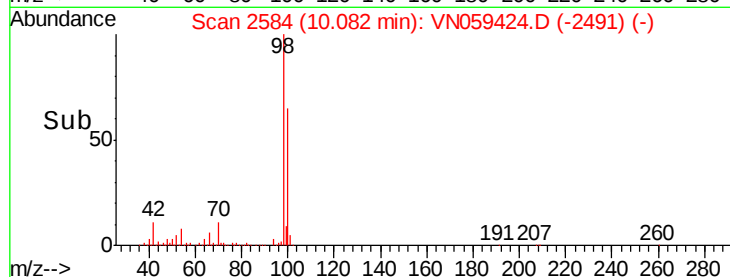
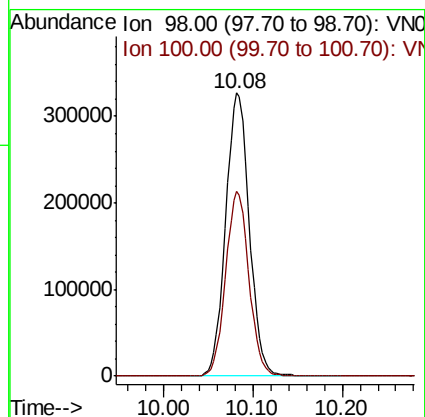
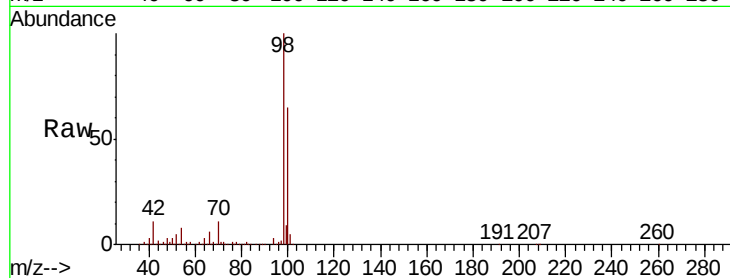
ClientSampled :

Tot Ion: 98 Resp: 599375

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.814 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.01 min

Lab File: VN059424.D

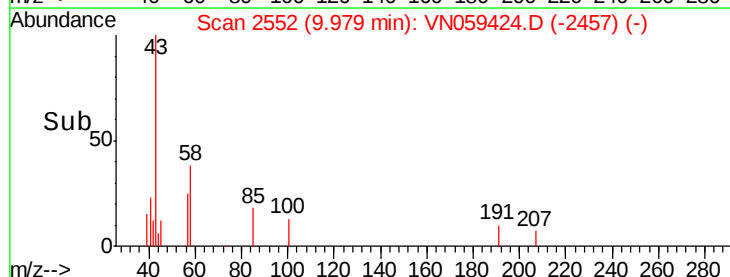
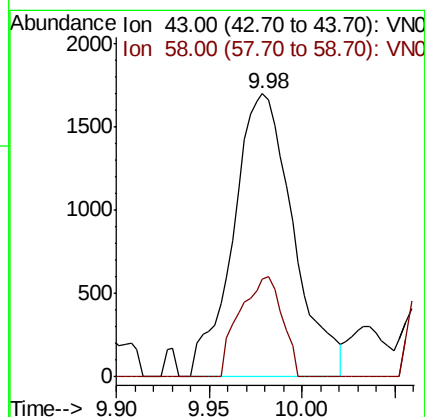
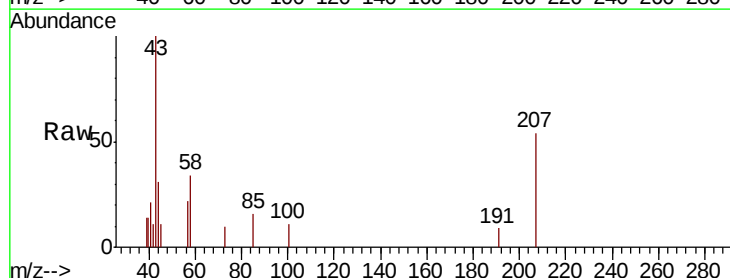
Acq: 27 Nov 2019 14:59

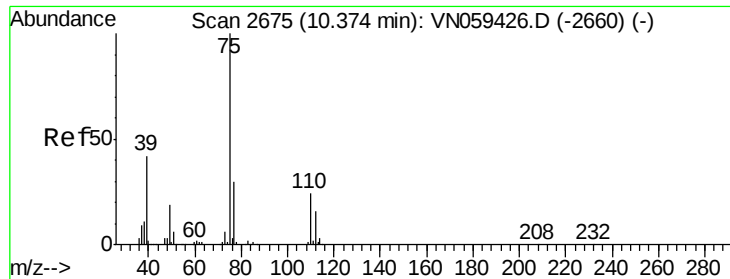
Tgt Ion: 43 Resp: 3831

Ion Ratio Lower Upper

43 100

58 25.0 32.5 48.7#





#53

t-1,3-Dichloropropene

Concen: 0.219 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.01 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

Instrument :

MSVOA_N

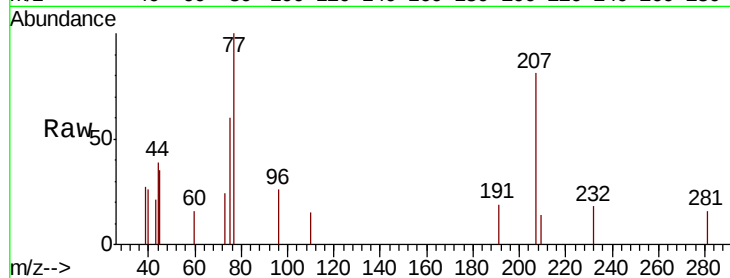
ClientSampleId :

Tot Ion: 75 Resp: 1229

Ion Ratio Lower Upper

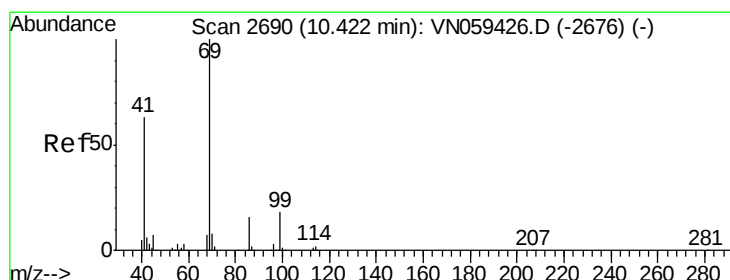
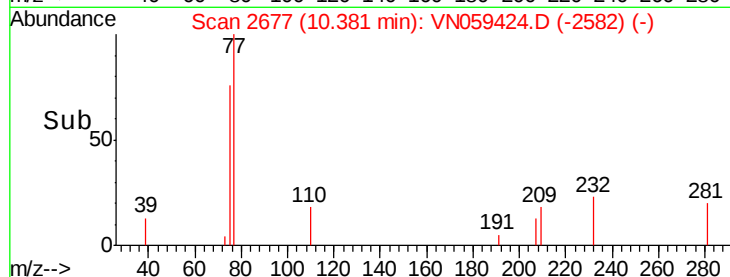
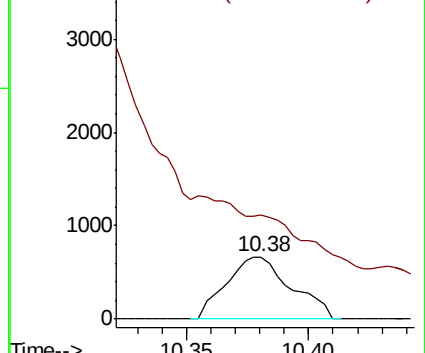
75 100

77 66.8 25.5 38.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#56

Ethyl methacrylate

Concen: Below Cal

RT: 10.43 min Scan# 2692

Delta R.T. 0.01 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

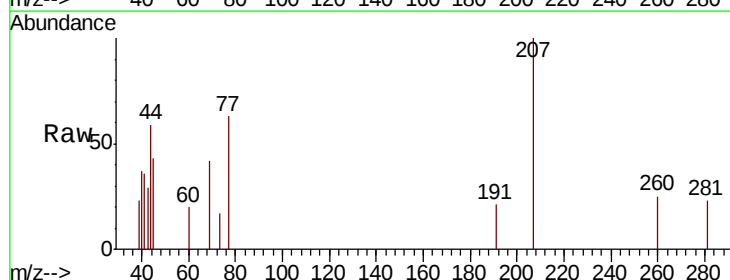
Tgt Ion: 69 Resp: 470

Ion Ratio Lower Upper

69 100

41 119.4 50.1 75.1#

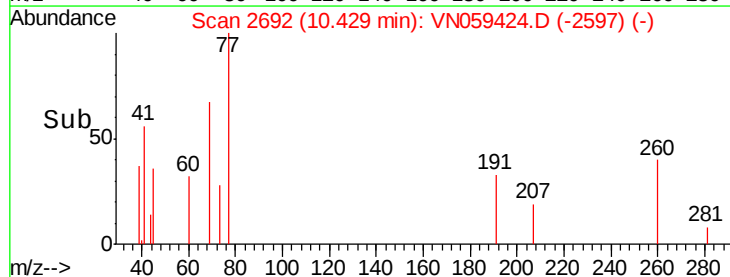
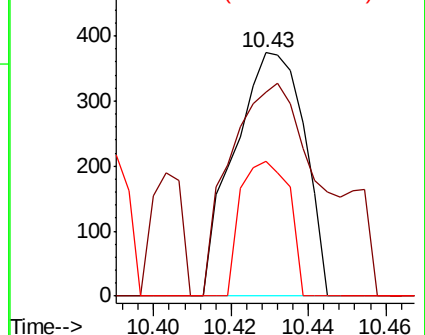
39 38.1 23.9 35.9#

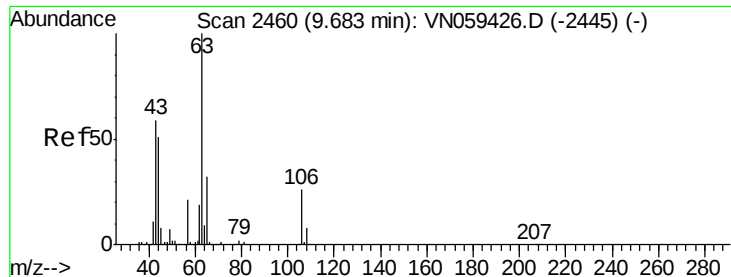


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

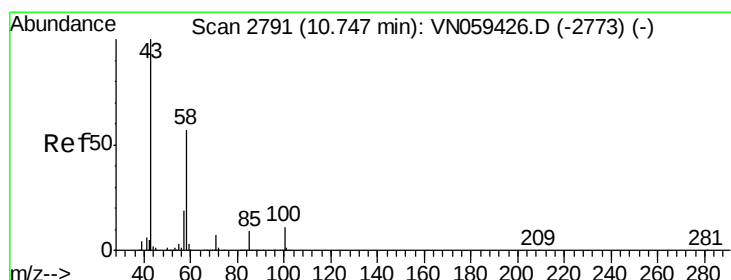
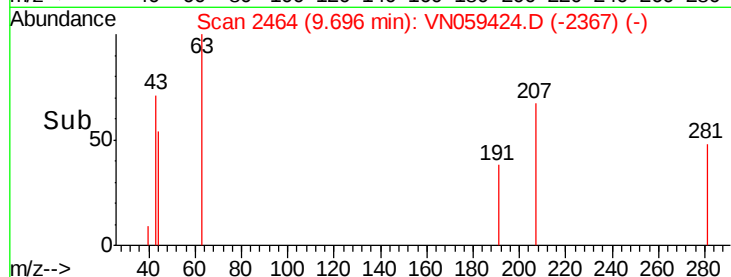
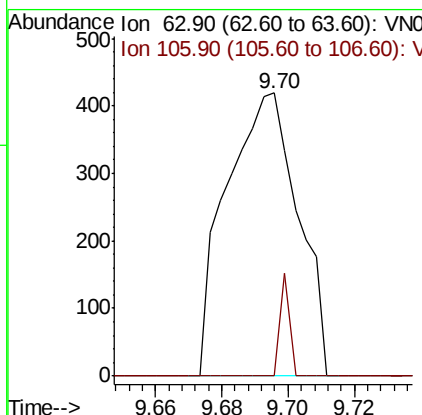
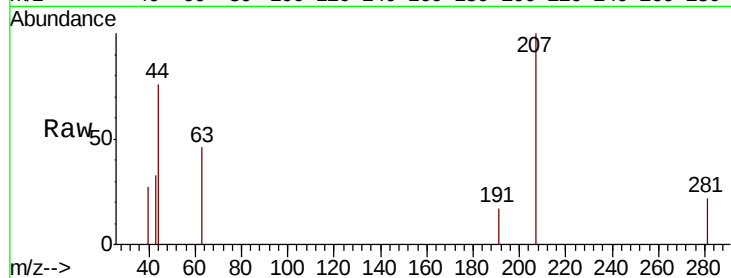




#58
2-Chloroethyl Vinyl ether
Concen: 0.420 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.01 min
Lab File: VN059424.D
Acq: 27 Nov 2019 14:59

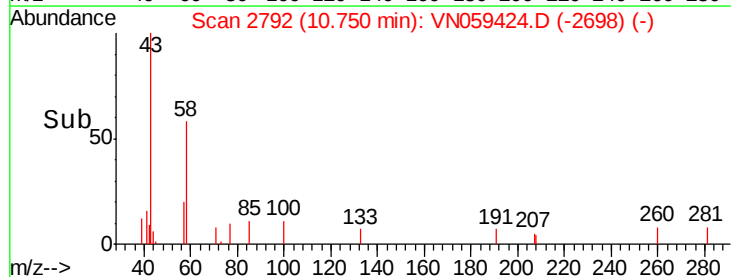
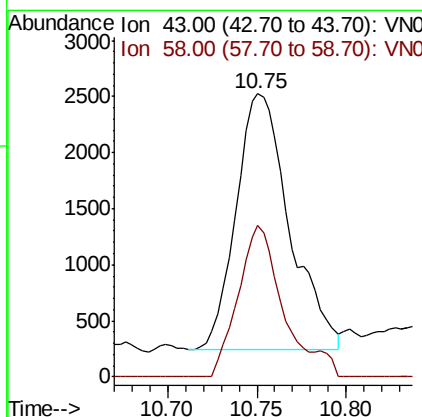
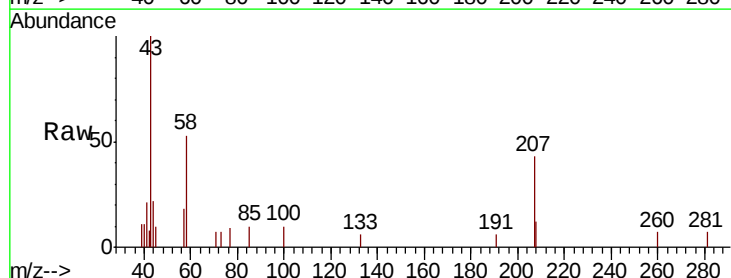
Instrument :
MSVOA_N
ClientSampled :

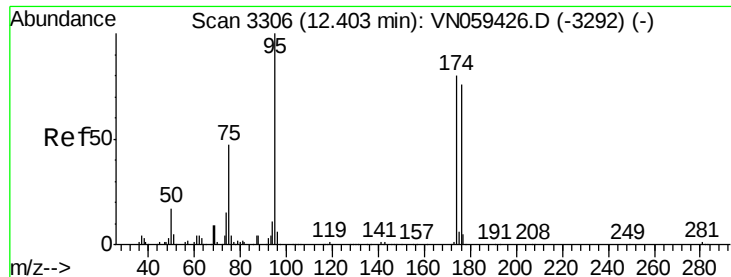
Tot Ion: 63 Resp: 630
Ion Ratio Lower Upper
63 100
106 4.6 20.9 31.3#



#59
2-Hexanone
Concen: 1.368 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN059424.D
Acq: 27 Nov 2019 14:59

Tgt Ion: 43 Resp: 4774
Ion Ratio Lower Upper
43 100
58 50.1 28.3 85.0





#62

4-Bromofluorobenzene

Concen: 44.733 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

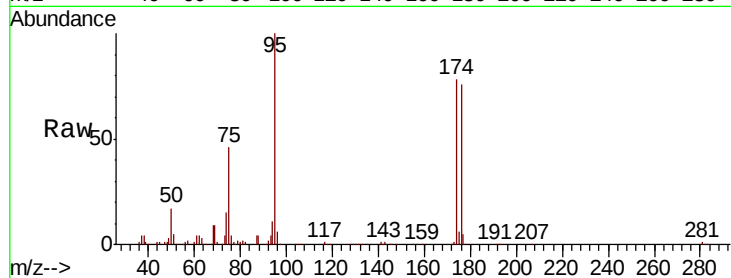
Tot Ion: 95 Resp: 198376

Ion Ratio Lower Upper

95 100

174 78.8 0.0 158.0

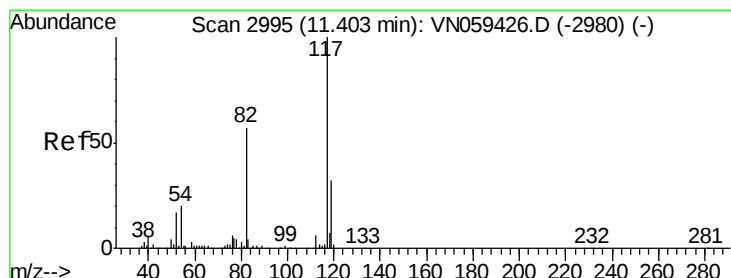
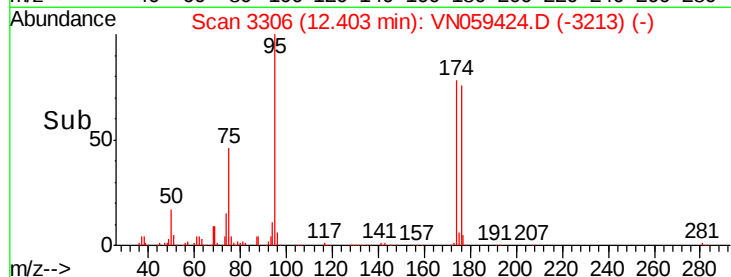
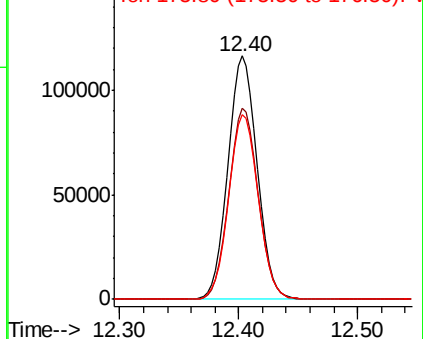
176 77.1 0.0 153.0



Abundance Ion 94.90 (94.60 to 95.60): VN059426.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN059426.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN059426.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

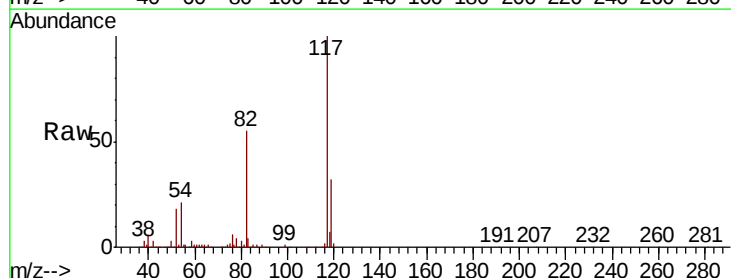
Tgt Ion: 117 Resp: 455537

Ion Ratio Lower Upper

117 100

82 55.2 45.4 68.0

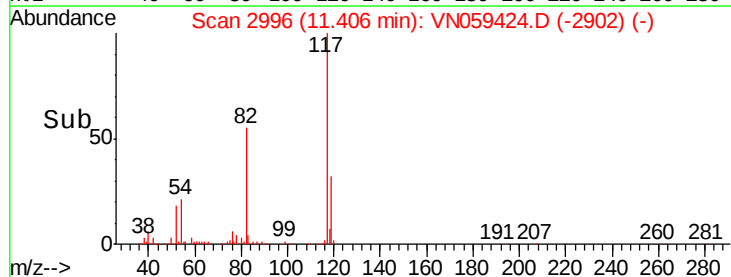
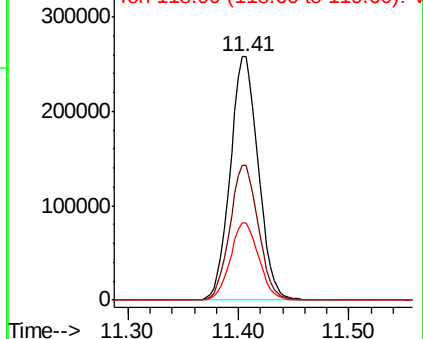
119 31.8 25.6 38.4

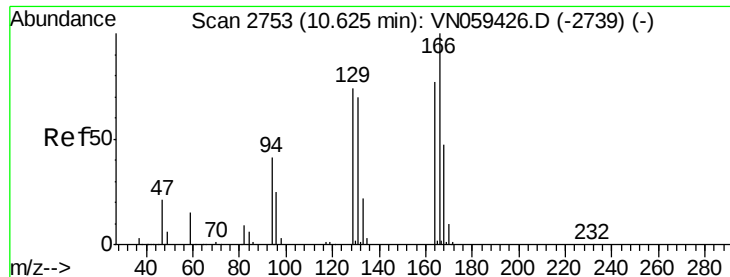


Abundance Ion 116.90 (116.60 to 117.60): VN059426.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN059426.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN059426.D (-2980) (-)





#64

Tetrachloroethene

Concen: 0.209 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 704

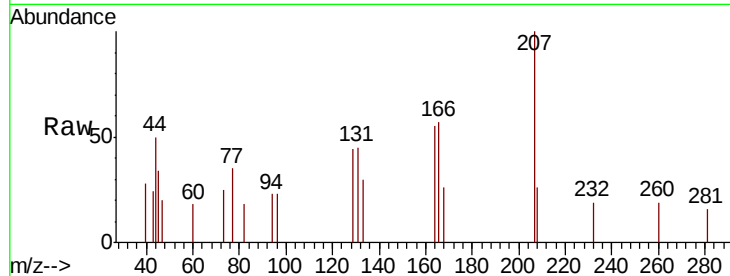
Ion Ratio Lower Upper

164 100

166 103.0 104.2 156.4#

129 80.6 76.8 115.2

131 82.1 73.0 109.6

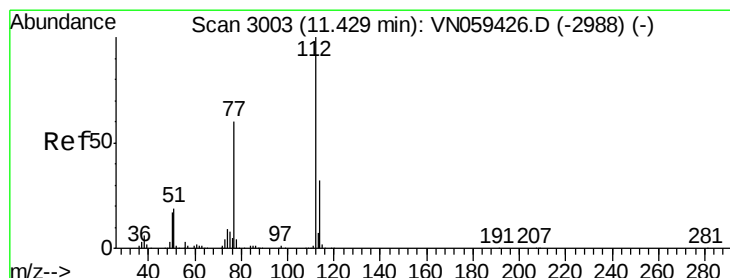
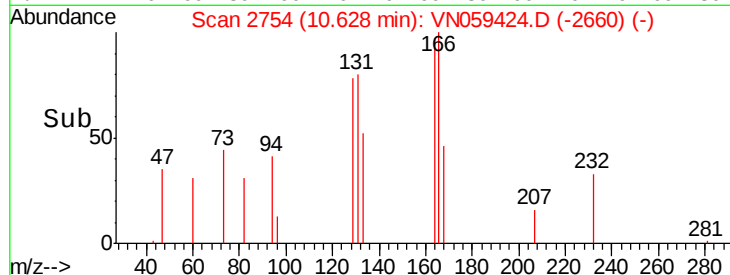
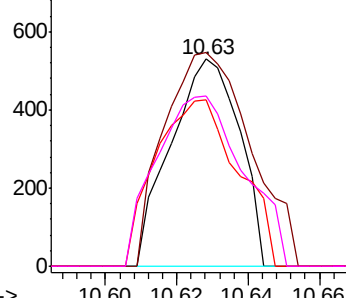


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.237 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN059424.D

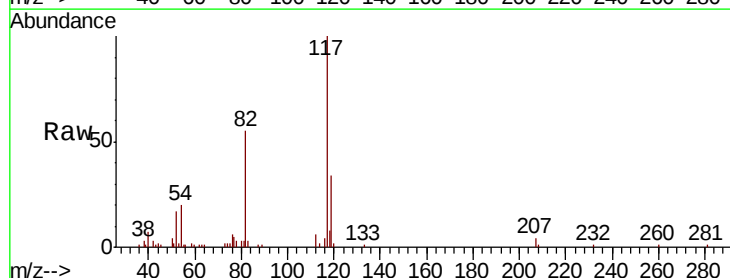
Acq: 27 Nov 2019 14:59

Tgt Ion:112 Resp: 2189

Ion Ratio Lower Upper

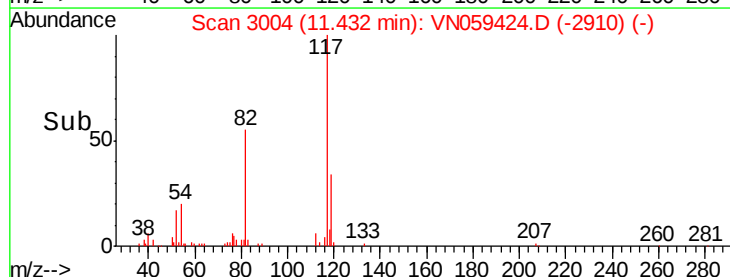
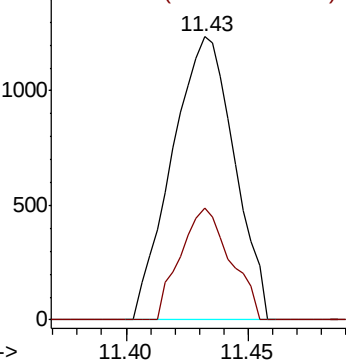
112 100

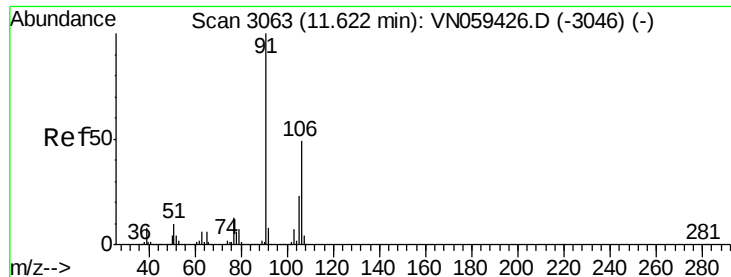
114 39.5 25.4 38.2#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

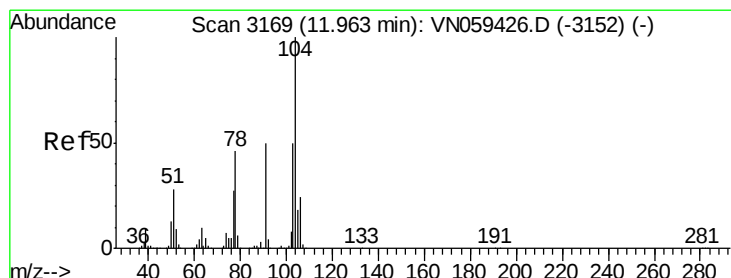
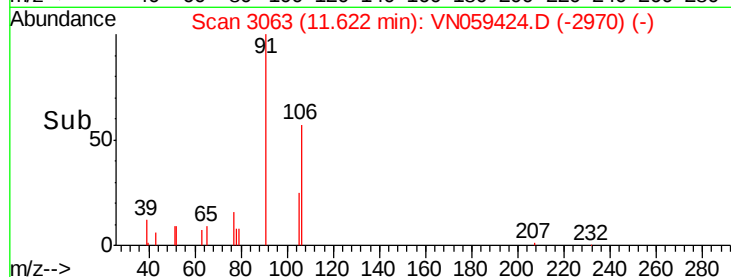
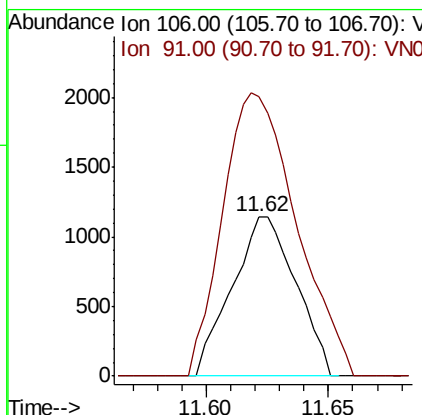
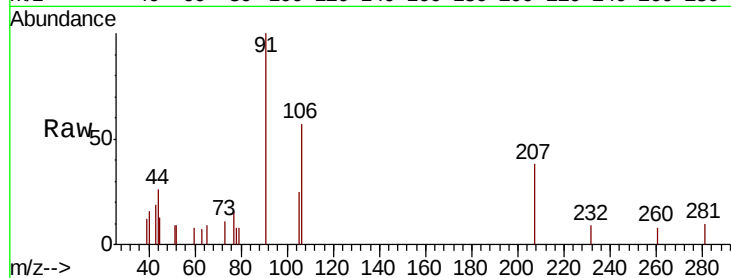




#68
m/p-Xvlenes
Concen: 0.342 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN059424.D
Acq: 27 Nov 2019 14:59

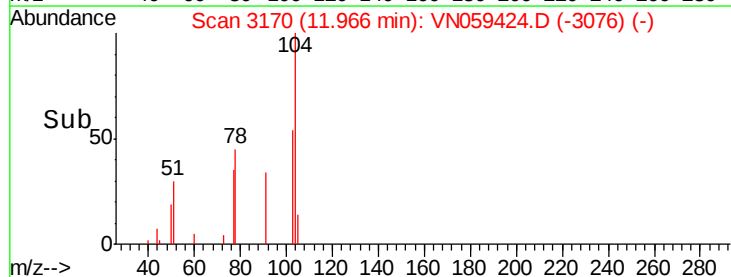
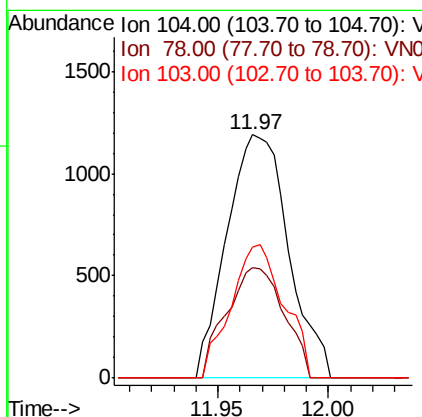
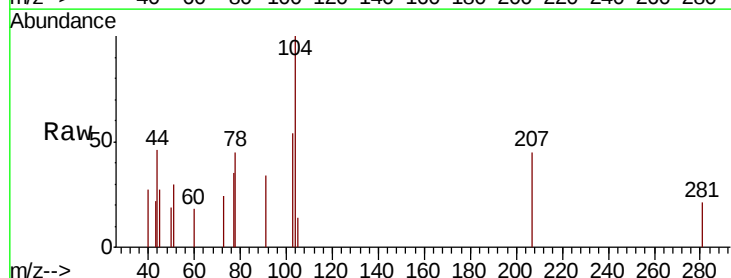
Instrument :
MSVOA_N
ClientSampled :

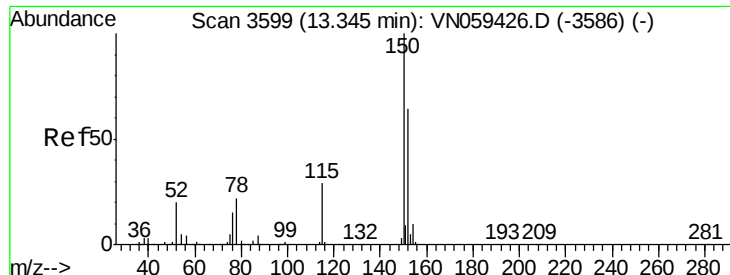
Tot Ion:106 Resp: 2069
Ion Ratio Lower Upper
106 100
91 205.8 163.7 245.5



#70
Styrene
Concen: Below Cal
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059424.D
Acq: 27 Nov 2019 14:59

Tgt Ion:104 Resp: 2306
Ion Ratio Lower Upper
104 100
78 42.3 40.4 60.6
103 47.1 43.8 65.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

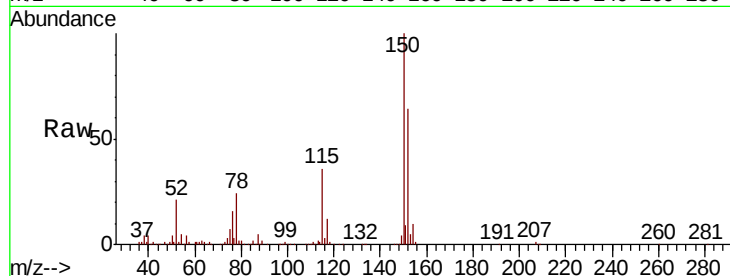
Tot Ion:152 Resp: 184613

Ion Ratio Lower Upper

152 100

115 58.2 29.5 88.6

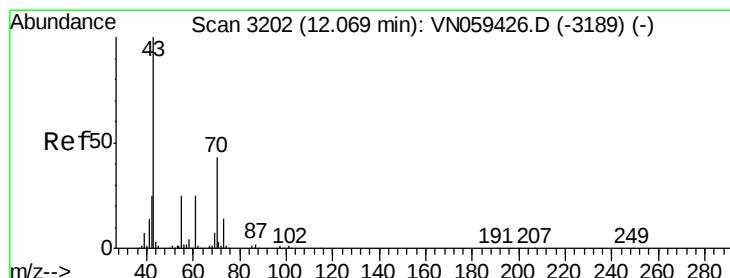
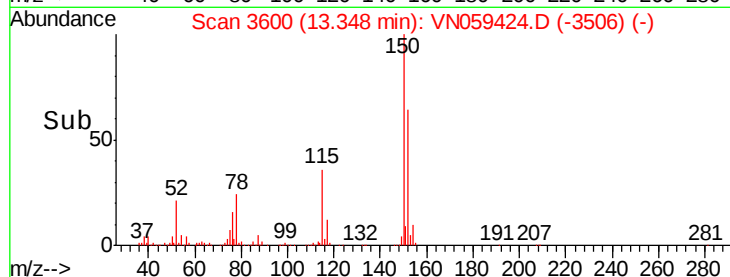
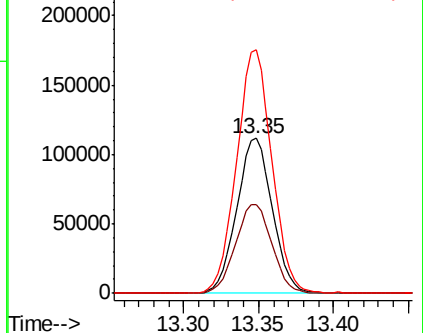
150 156.5 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.08 min Scan# 3205

Delta R.T. 0.01 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

Tgt Ion: 43 Resp: 2397

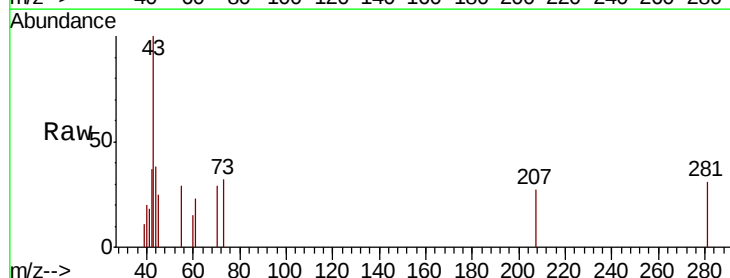
Ion Ratio Lower Upper

43 100

70 31.9 34.6 52.0#

55 25.4 20.5 30.7

61 20.0 20.2 30.4#

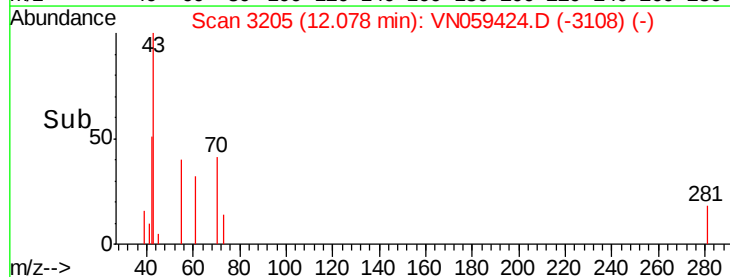
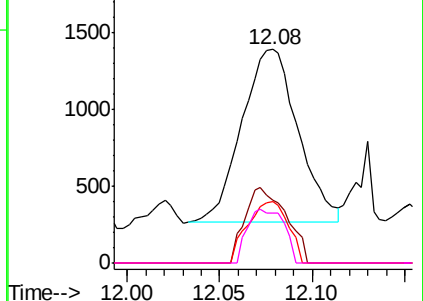


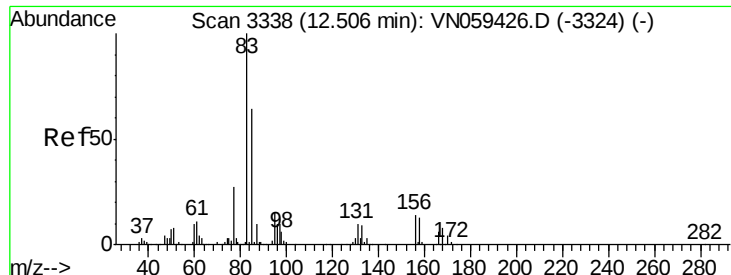
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: 0.284 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

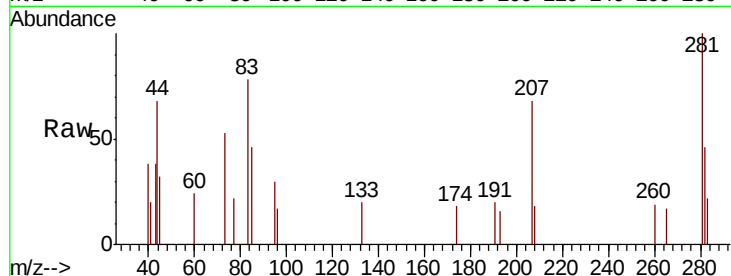
Tot Ion: 83 Resp: 1266

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

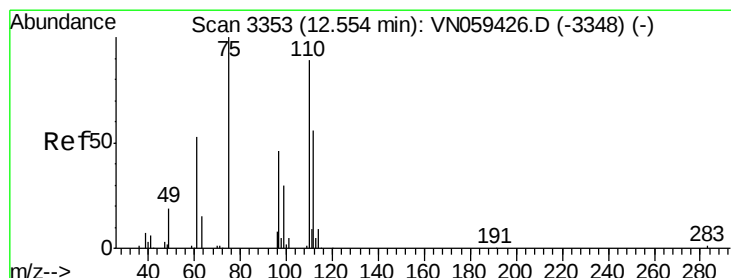
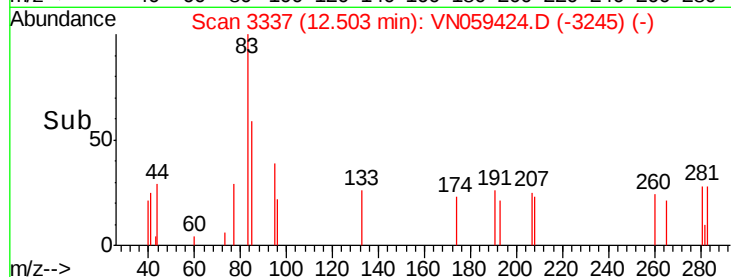
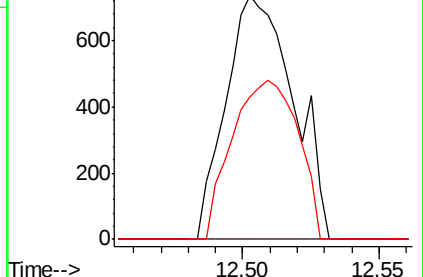
85 64.0 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN059424.D (-3324) (-)

Ion 130.80 (130.50 to 131.50): VN059424.D (-3324) (-)

Ion 84.90 (84.60 to 85.60): VN059424.D (-3324) (-)



#76

1,2,3-Trichloropropane

Concen: 22.333 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059424.D

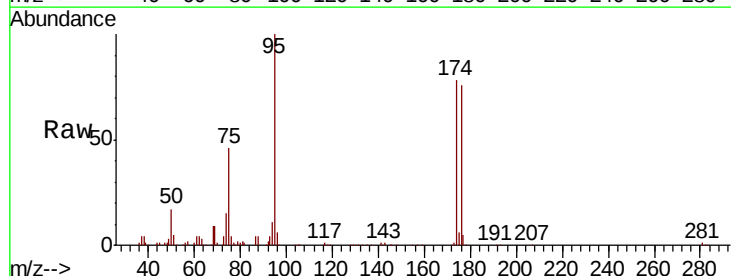
Acq: 27 Nov 2019 14:59

Tgt Ion: 75 Resp: 93272

Ion Ratio Lower Upper

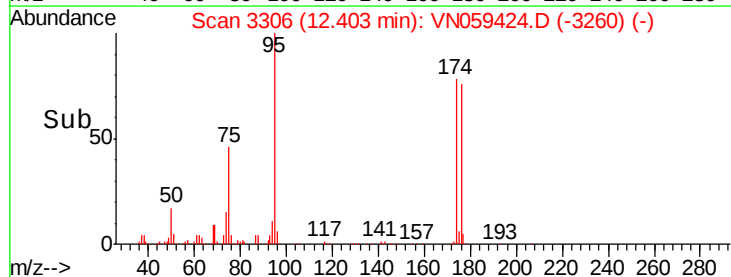
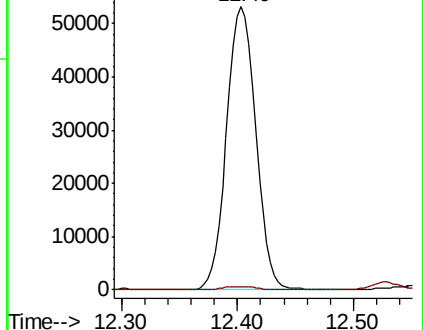
75 100

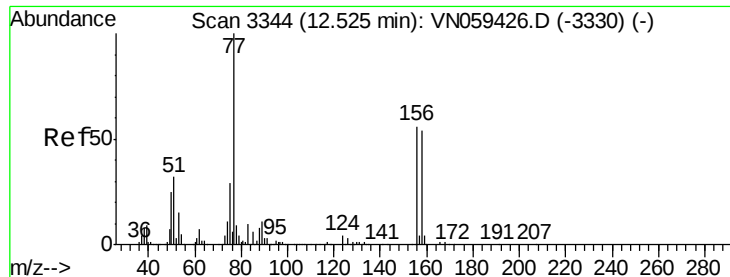
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059424.D (-3306) (-)

Ion 77.00 (76.70 to 77.70): VN059424.D (-3306) (-)





#77

Bromobenzene

Concen: 0.403 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

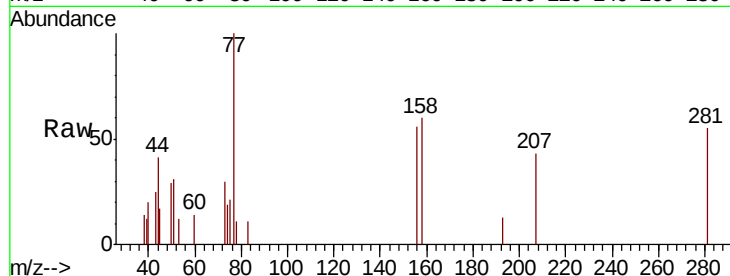
Tot Ion:156 Resp: 1349

Ion Ratio Lower Upper

156 100

77 194.1 108.7 326.3

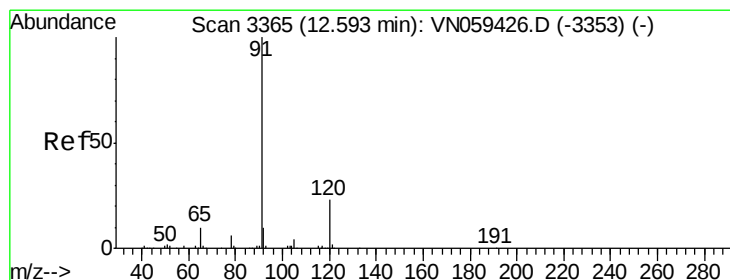
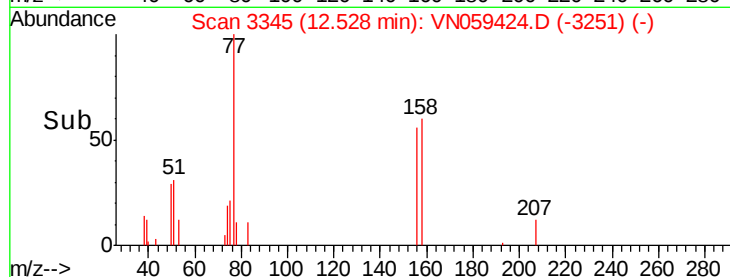
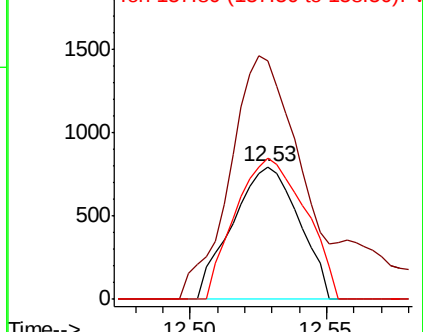
158 111.7 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.283 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN059424.D

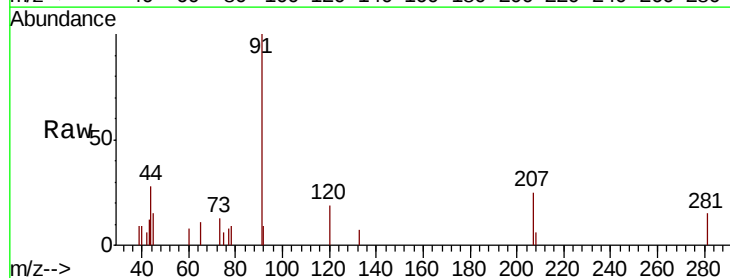
Acq: 27 Nov 2019 14:59

Tgt Ion: 91 Resp: 4456

Ion Ratio Lower Upper

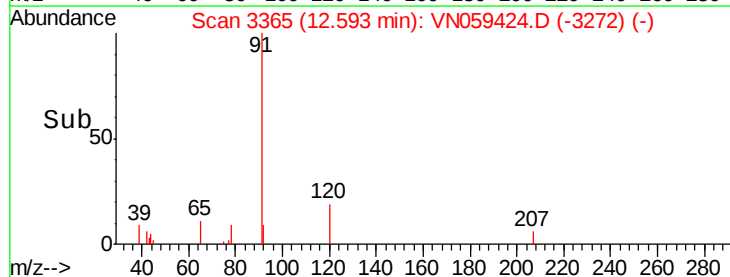
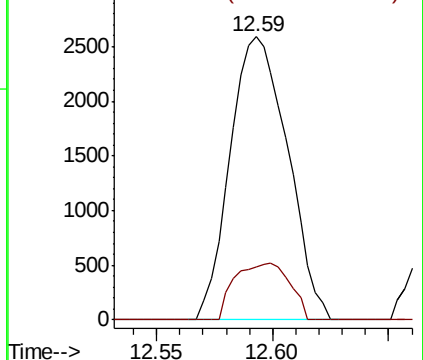
91 100

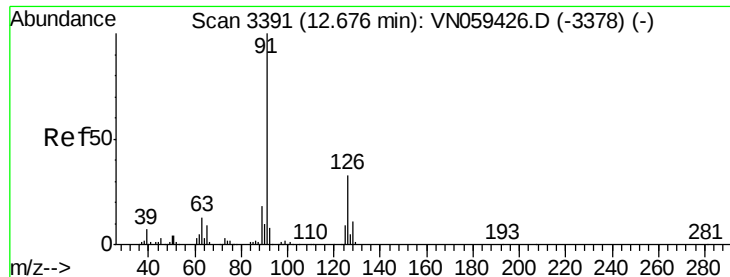
120 19.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.277 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

Instrument :

MSVOA_N

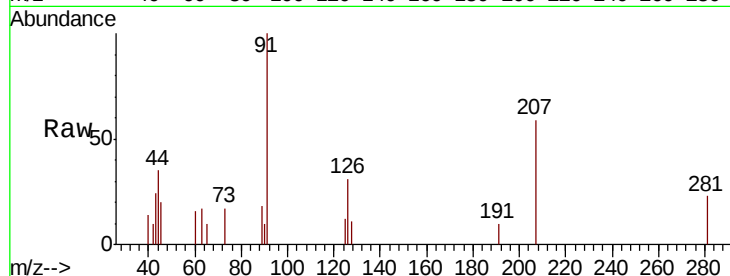
ClientSampled :

Tot Ion: 91.00 Resp: 2610

Ion Ratio Lower Upper

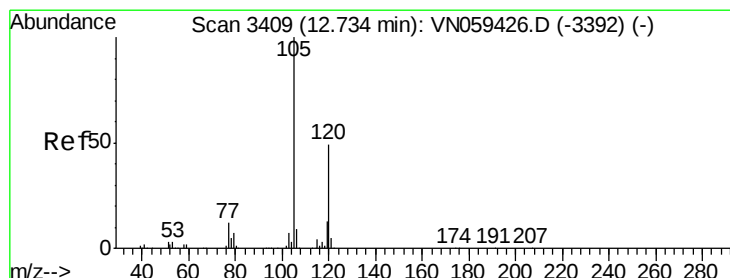
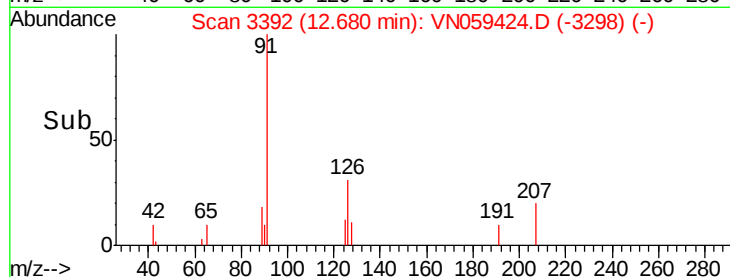
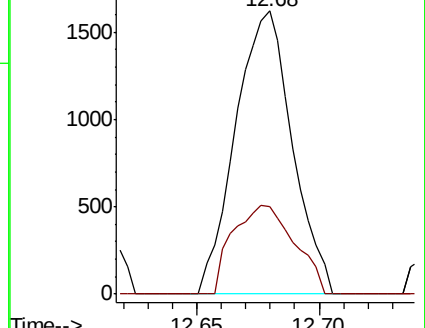
91 100

126 34.2 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059426.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059426.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.212 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN059424.D

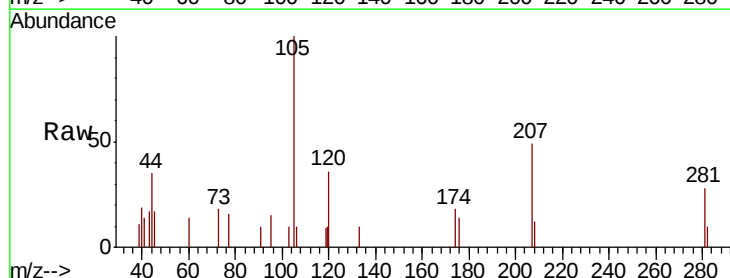
Acq: 27 Nov 2019 14:59

Tgt Ion: 105 Resp: 2434

Ion Ratio Lower Upper

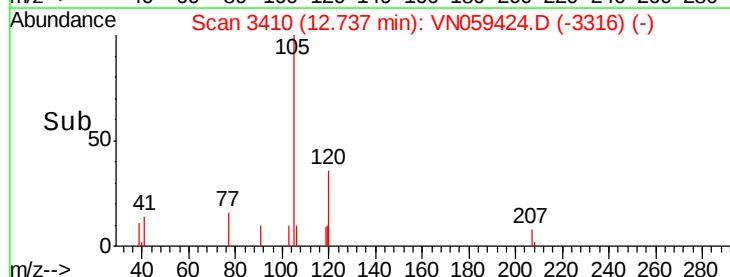
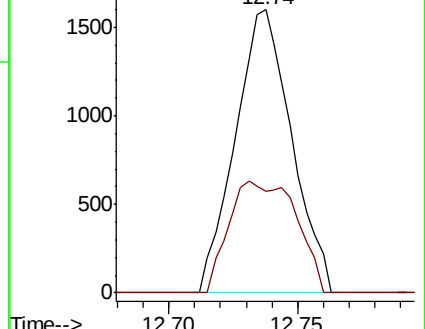
105 100

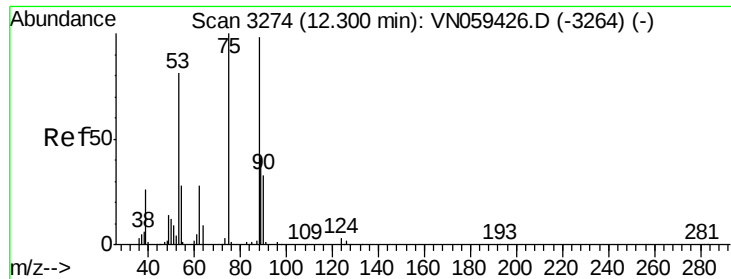
120 47.2 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VN059426.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN059426.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 57.383 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

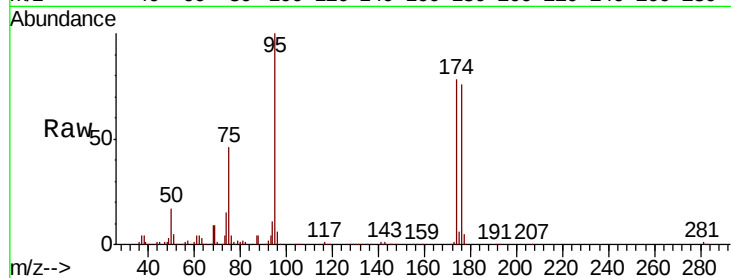
Tot Ion: 75 Resp: 93272

Ion Ratio Lower Upper

75 100

53 0.0 66.2 99.4#

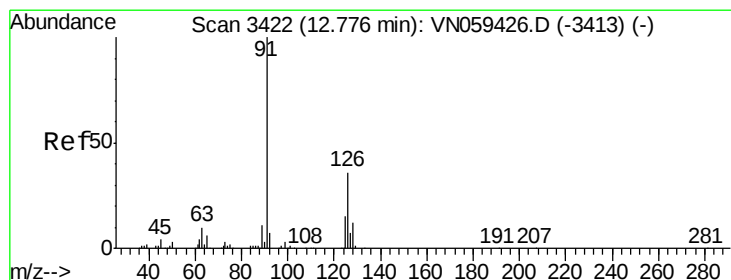
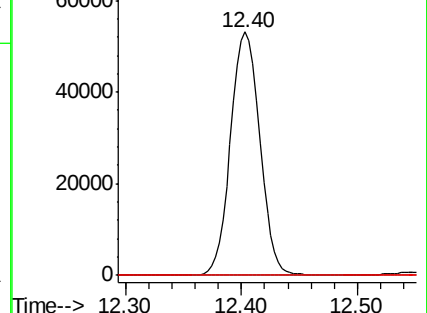
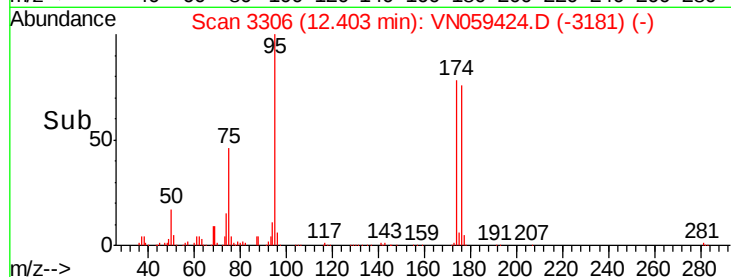
89 0.0 33.9 50.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.444 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN059424.D

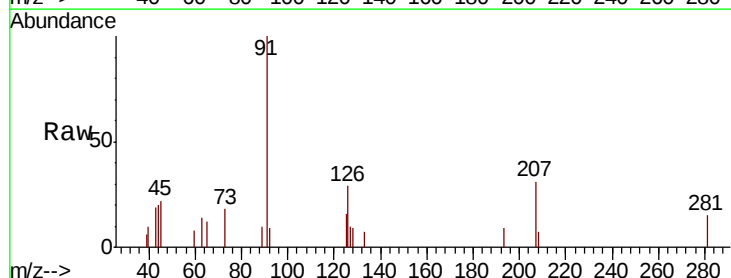
Acq: 27 Nov 2019 14:59

Tgt Ion: 91 Resp: 4300

Ion Ratio Lower Upper

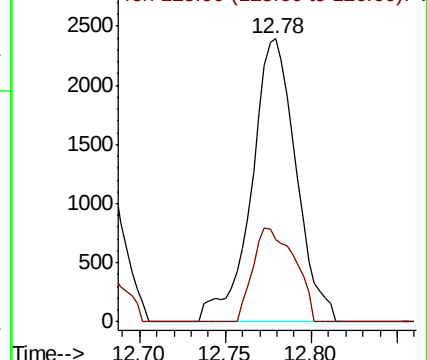
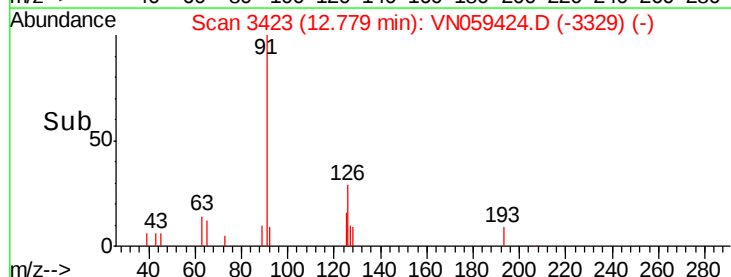
91 100

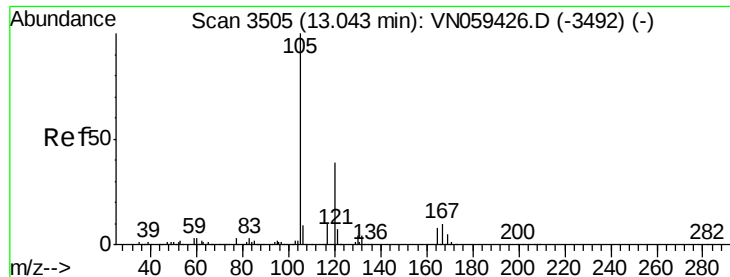
126 30.9 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

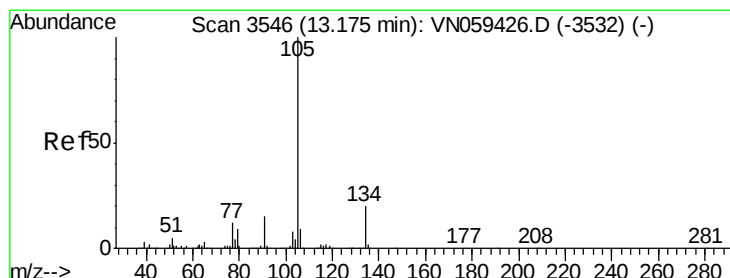
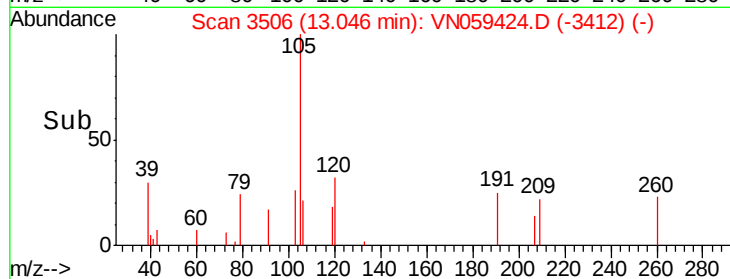
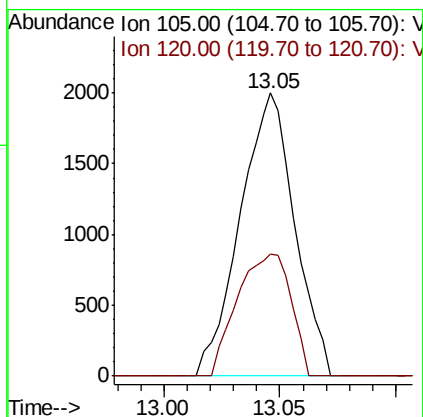
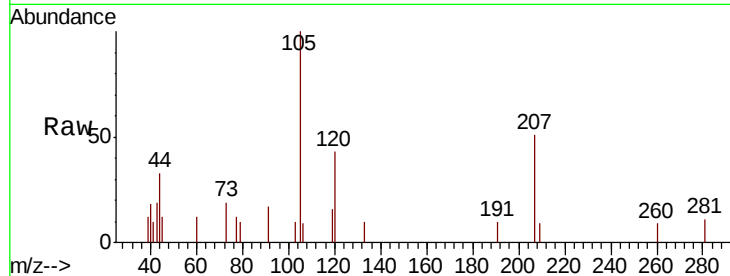




#84
 1,2,4-Trimethylbenzene
 Concen: 0.289 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN059424.D
 Acq: 27 Nov 2019 14:59

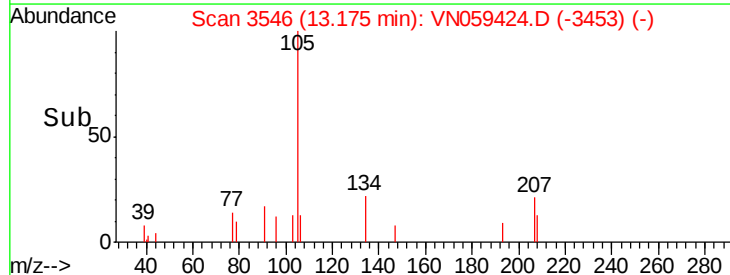
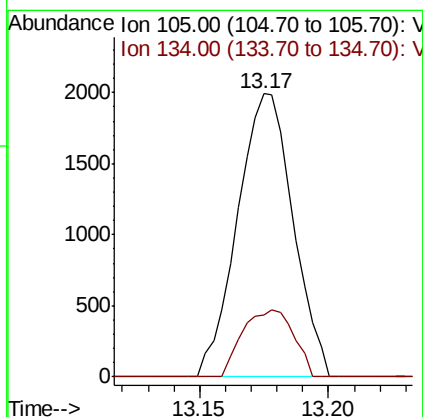
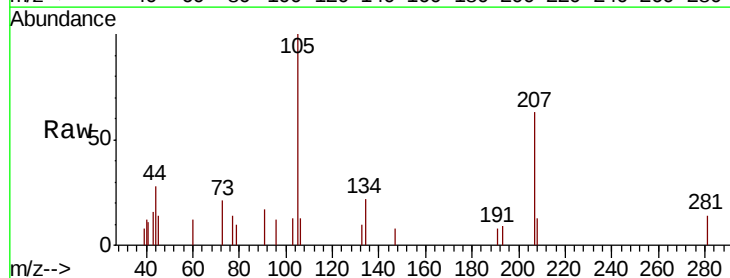
Instrument :
 MSVOA_N
 ClientSampled :

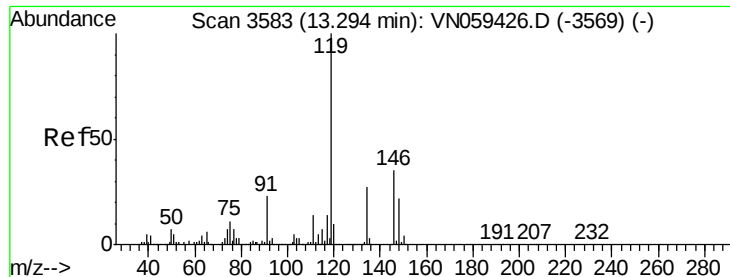
Tot Ion:105 Resp: 3257
 Ion Ratio Lower Upper
 105 100
 120 42.3 22.9 68.7



#85
 sec-Butylbenzene
 Concen: 0.228 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN059424.D
 Acq: 27 Nov 2019 14:59

Tgt Ion:105 Resp: 2988
 Ion Ratio Lower Upper
 105 100
 134 21.8 9.9 29.7

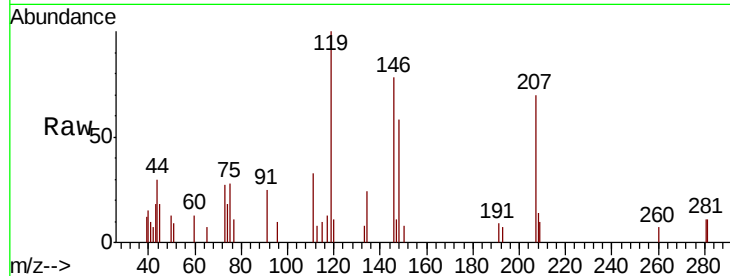




#86
 p-Isopropyltoluene
 Concen: 0.313 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN059424.D
 Acq: 27 Nov 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	22.6	13.3	39.8
91	21.1	11.5	34.4

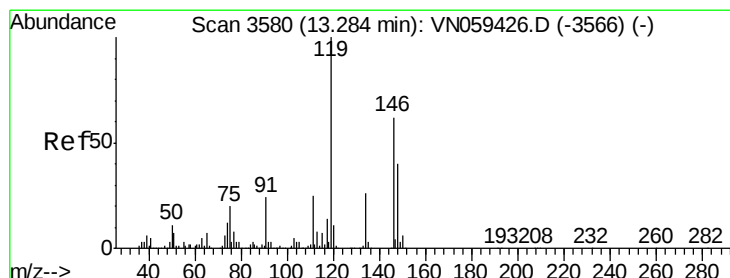
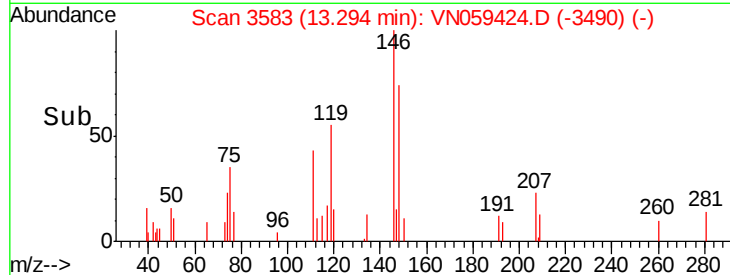
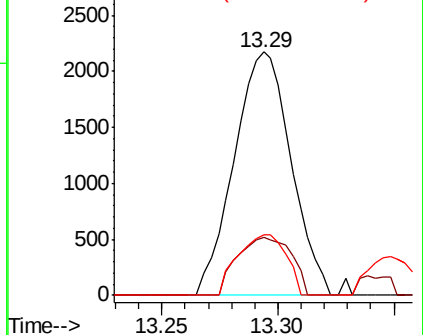


Abundance

Ion 119.00 (118.70 to 119.70): V

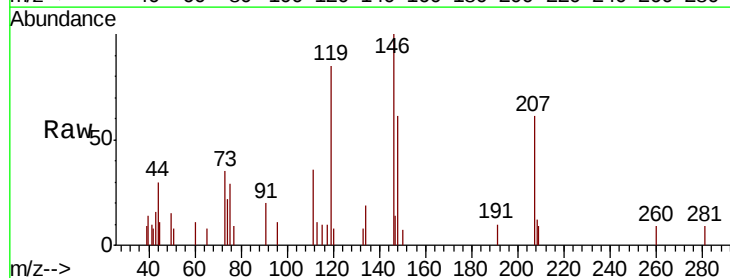
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87
 1,3-Dichlorobenzene
 Concen: 0.599 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059424.D
 Acq: 27 Nov 2019 14:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.2
148	64.7	32.1	96.3

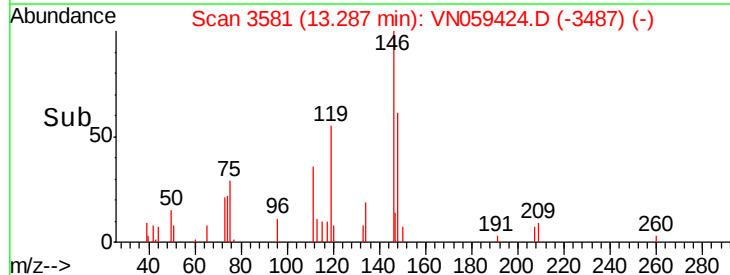
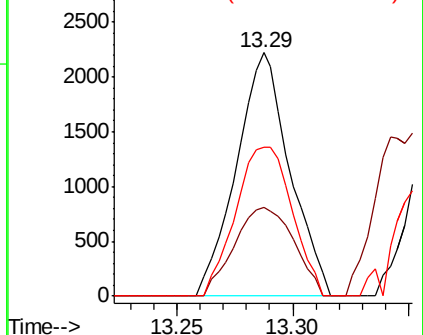


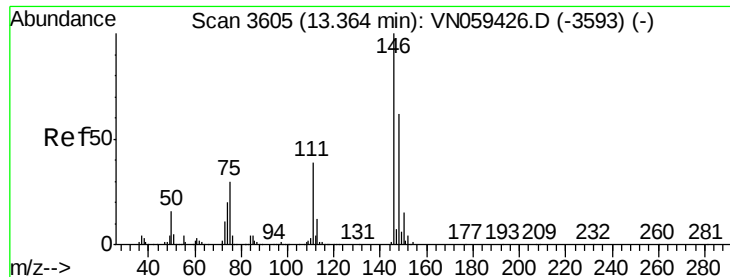
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

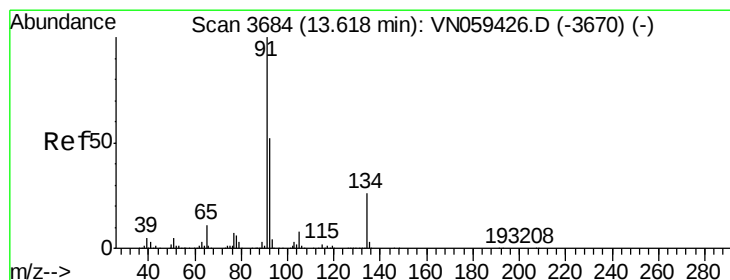
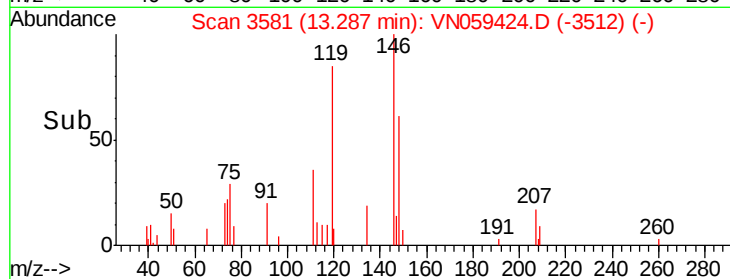
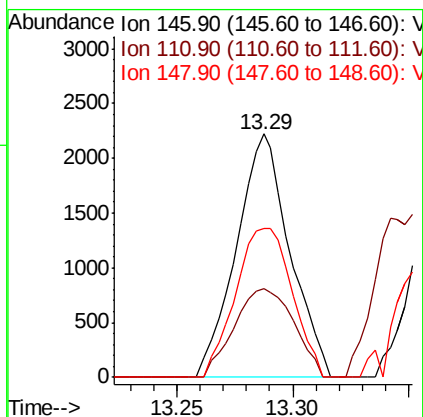
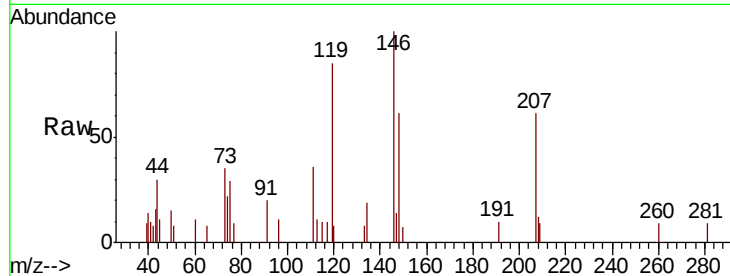




#88
 1,4-Dichlorobenzene
 Concen: 0.597 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.08 min
 Lab File: VN059424.D
 Acq: 27 Nov 2019 14:59

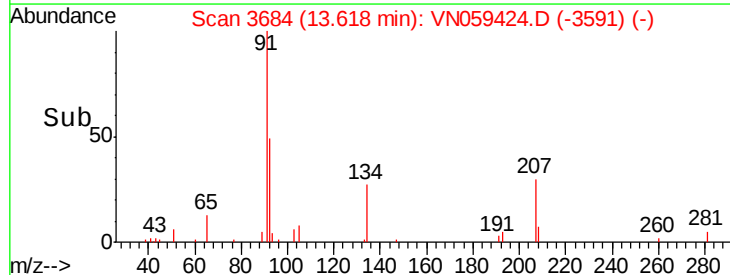
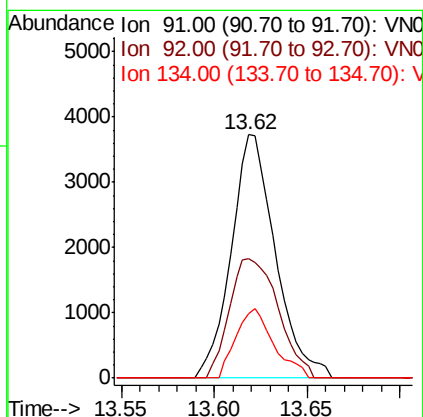
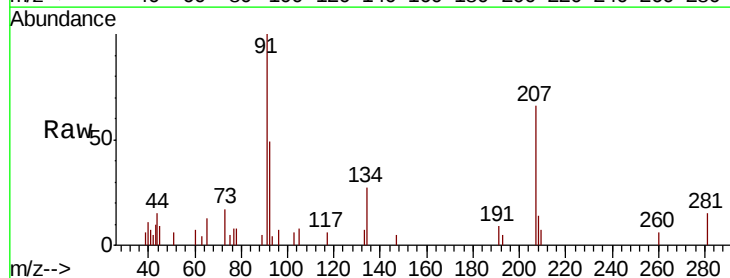
Instrument :
 MSVOA_N
 ClientSampleId :

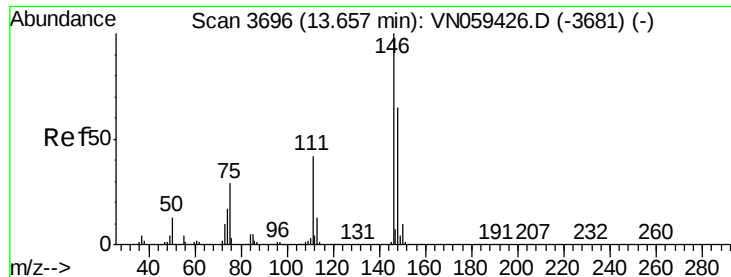
Tot Ion:146 Resp: 3556
 Ion Ratio Lower Upper
 146 100
 111 40.6 19.9 59.7
 148 64.7 31.6 95.0



#89
 n-Butylbenzene
 Concen: 0.596 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. -0.00 min
 Lab File: VN059424.D
 Acq: 27 Nov 2019 14:59

Tgt Ion: 91 Resp: 6174
 Ion Ratio Lower Upper
 91 100
 92 53.9 25.9 77.8
 134 24.3 12.8 38.4





#91

1,2-Dichlorobenzene

Concen: 0.629 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN059424.D

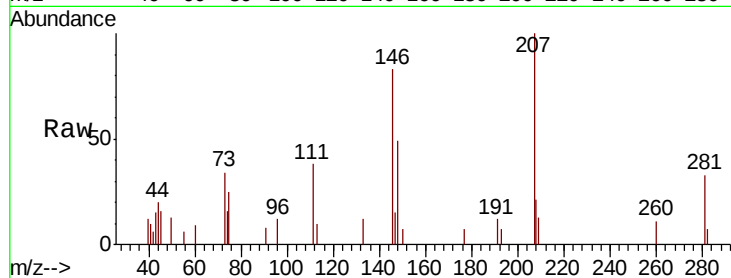
Acq: 27 Nov 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	3655
Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.7
148	64.5	32.0	96.2

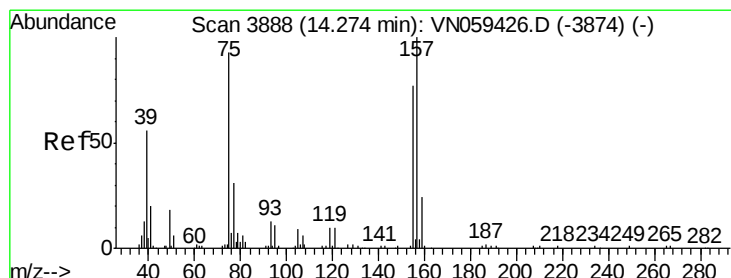
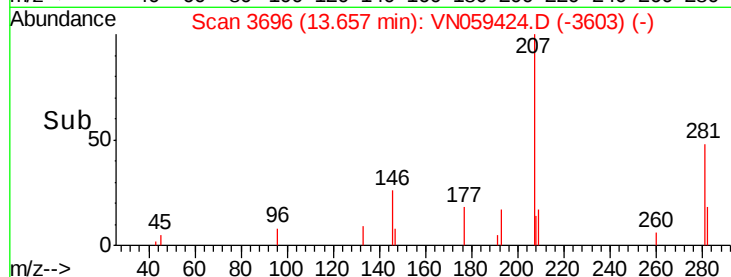
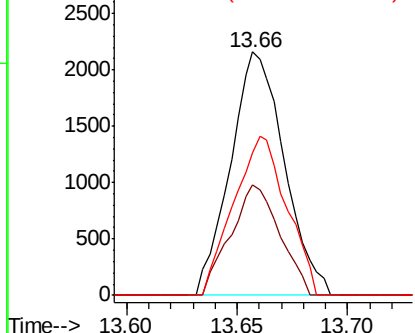


Abundance

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: Below Cal

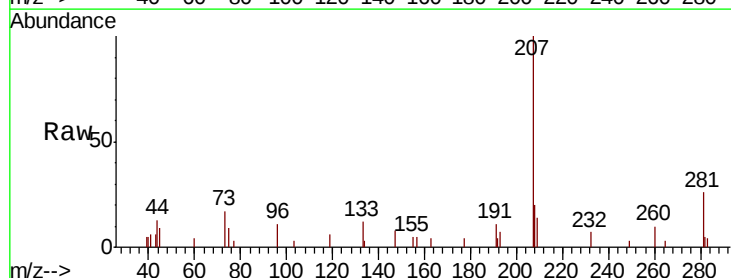
RT: 14.27 min Scan# 3886

Delta R.T. -0.01 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

Tgt Ion:	75	Resp:	1499
Ion	Ratio	Lower	Upper
75	100		
155	13.3	41.9	125.8#
157	0.0	54.1	162.3#

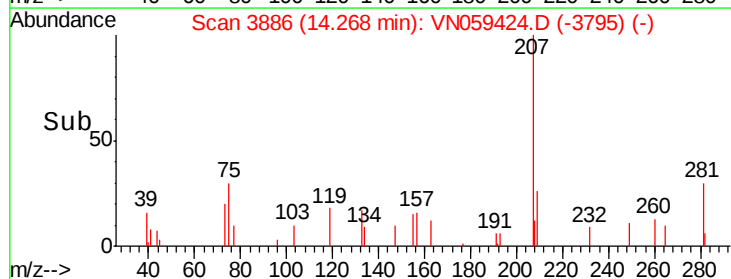
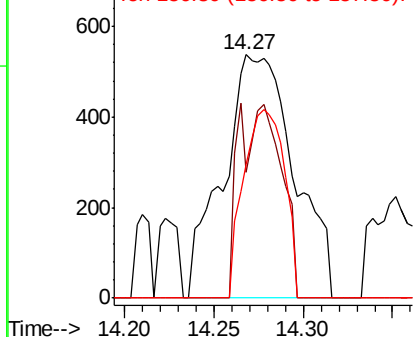


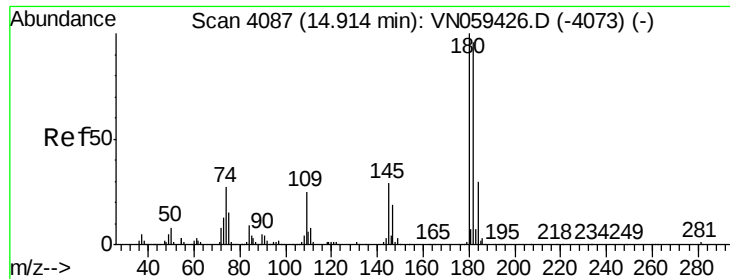
Abundance

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

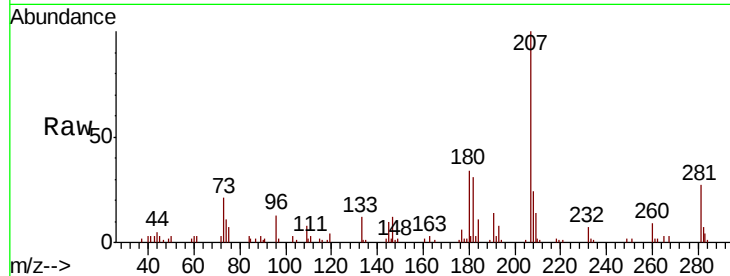




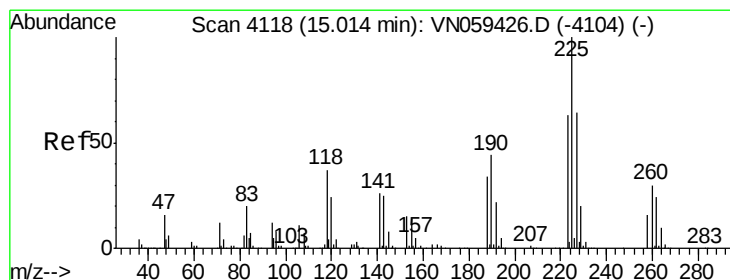
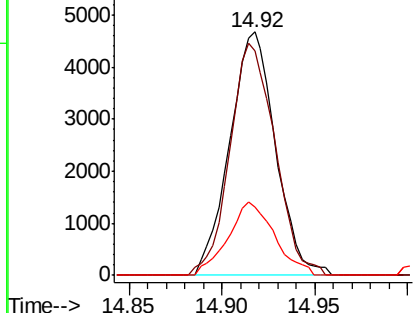
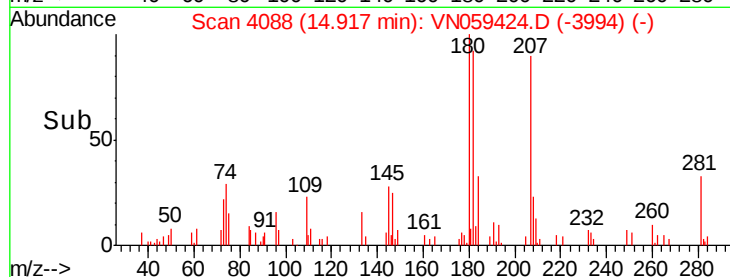
#93
 1,2,4-Trichlorobenzene
 Concen: 2.213 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059424.D
 Acq: 27 Nov 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 7998
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.3 142.0
 145 30.6 14.8 44.4

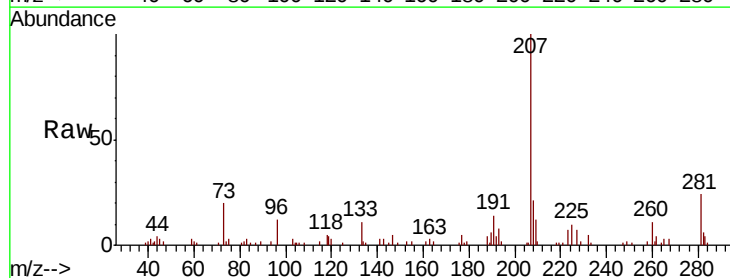


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

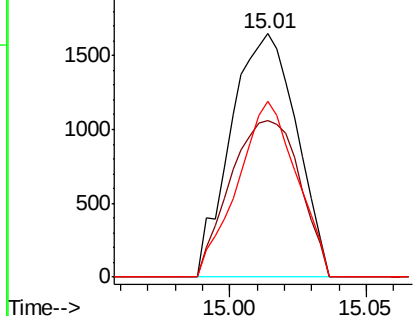
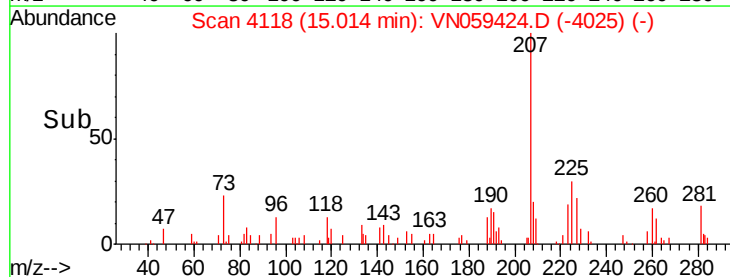


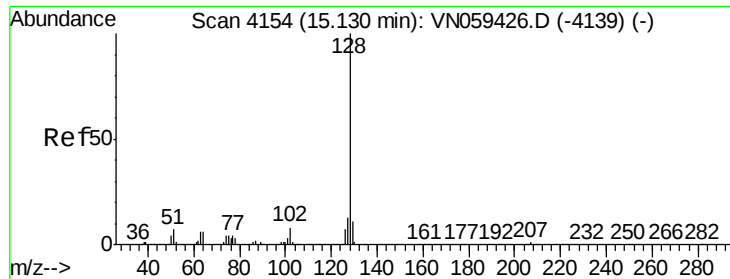
#94
 Hexachlorobutadiene
 Concen: 1.242 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN059424.D
 Acq: 27 Nov 2019 14:59

Tgt Ion:225 Resp: 2751
 Ion Ratio Lower Upper
 225 100
 223 68.3 31.5 94.5
 227 64.7 31.9 95.7



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





#95

Naphthalene

Concen: 3.708 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

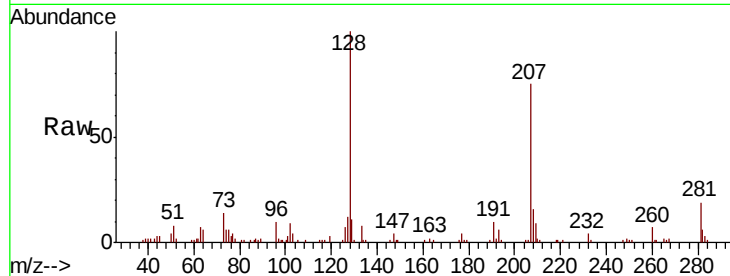
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 44817

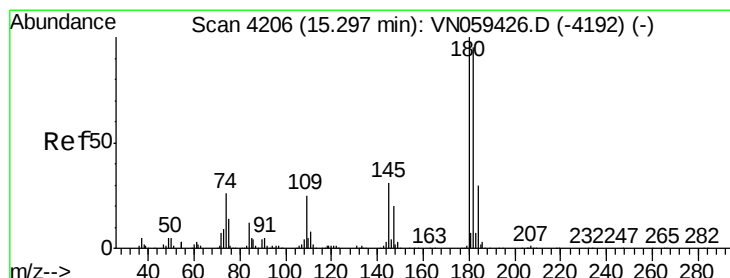
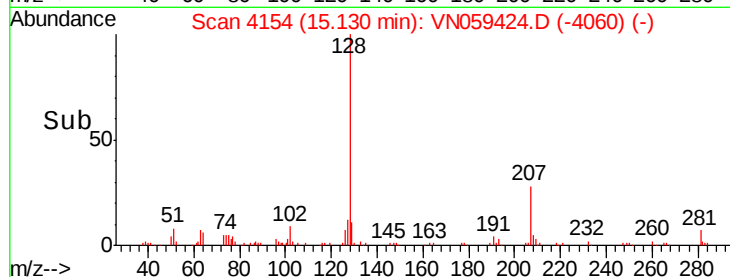
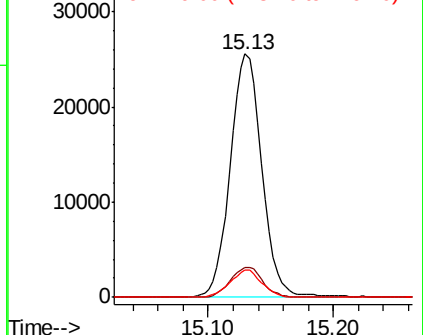
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	11.1	8.6	12.8



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: 0.466 ug/l

RT: 15.30 min Scan# 4206

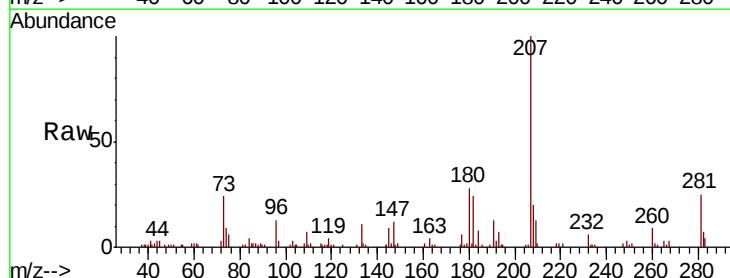
Delta R.T. 0.00 min

Lab File: VN059424.D

Acq: 27 Nov 2019 14:59

Tgt Ion:180 Resp: 10994

Ion	Ratio	Lower	Upper
180	100		
182	91.4	47.5	142.6
145	36.3	15.7	47.1



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

