

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054807.D
 Acq On : 30 Mar 2019 17:19
 Operator : JC/SP
 Sample : K2176-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 30 22:41:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	527443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	873824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	745000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	306343	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	360488	50.70	ug/l	0.00
Spiked Amount						
			Recovery	=	101.40%	
35) Dibromofluoromethane	7.59	113	279222	47.93	ug/l	0.00
Spiked Amount						
			Recovery	=	95.86%	
50) Toluene-d8	10.09	98	1043348	48.17	ug/l	0.00
Spiked Amount						
			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.40	95	334923	46.50	ug/l	0.00
Spiked Amount						
			Recovery	=	93.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	211	Below Cal		87
11) Tert butyl alcohol	4.82	59	164	0.443	ug/l #	70
13) Acrolein	3.61	56	520	1.570	ug/l	97
16) Acetone	3.82	43	7884	4.650	ug/l #	71
17) Carbon Disulfide	4.04	76	5228	0.389	ug/l #	82
18) Methyl Acetate	4.35	43	1413	Below Cal	#	65
20) Methylene Chloride	4.54	84	2067	0.346	ug/l #	78
31) Cyclohexane	7.67	56	12502	Below Cal	#	24
36) 1,1-Dichloropropene	7.66	75	41601	5.109	ug/l #	48
38) Carbon Tetrachloride	7.67	117	51010	6.450	ug/l #	16
39) Methylcyclohexane	9.08	83	1953	0.218	ug/l	92
40) Benzene	8.04	78	19429	0.834	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2786	0.511	ug/l #	65
59) 2-Hexanone	10.76	43	3785	1.084	ug/l	74
67) Ethyl Benzene	11.51	91	69518	2.641	ug/l	96
68) m/p-Xylenes	11.62	106	16383	1.682	ug/l	97
69) o-Xylene	11.95	106	9900	1.036	ug/l	88
73) Isopropylbenzene	12.25	105	17122	0.684	ug/l	96
74) N-amyl acetate	12.08	43	1849	0.237	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.50	83	179	Below Cal	#	50
76) 1,2,3-Trichloropropane	12.40	75	174449	32.780	ug/l #	100
78) n-propylbenzene	12.59	91	8839	0.321	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	11338	0.552	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	174449	127.504	ug/l #	11
83) tert-Butylbenzene	13.00	119	1538	Below Cal	#	68
84) 1,2,4-Trimethylbenzene	13.04	105	50083	2.559	ug/l	99
86) p-Isopropyltoluene	13.29	119	4802	0.244	ug/l	91
88) 1,4-Dichlorobenzene	13.36	146	2241	0.226	ug/l #	1
89) n-Butylbenzene	13.62	91	5101	0.318	ug/l	90
90) Hexachloroethane	13.89	117	1350	0.404	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1659	1.938	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	2908	0.591	ug/l #	87
94) Hexachlorobutadiene	15.01	225	733	Below Cal		82
95) Naphthalene	15.13	128	2599311	235.426	ug/l	99

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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

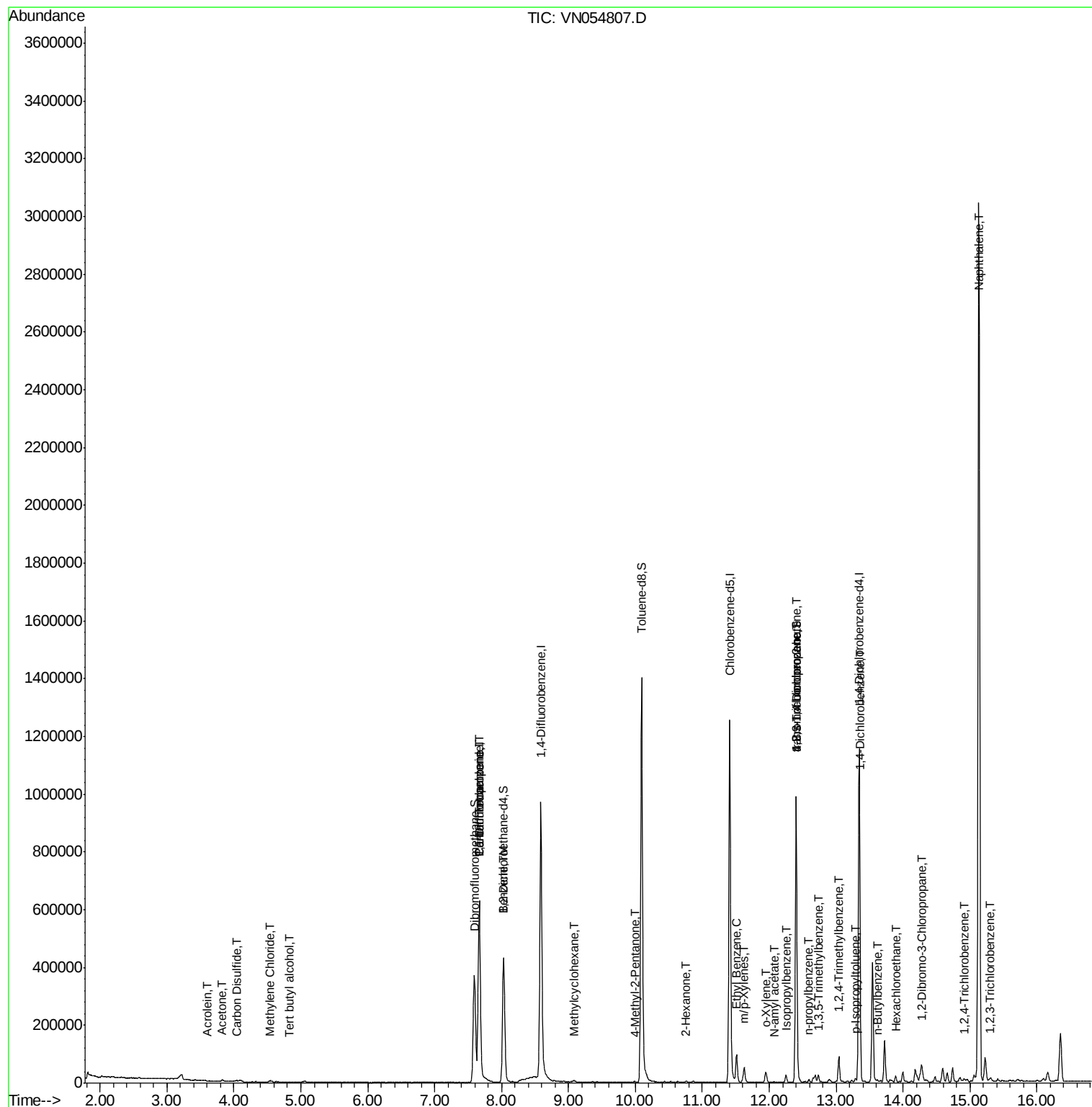
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	3480	0.700	ug/l	92

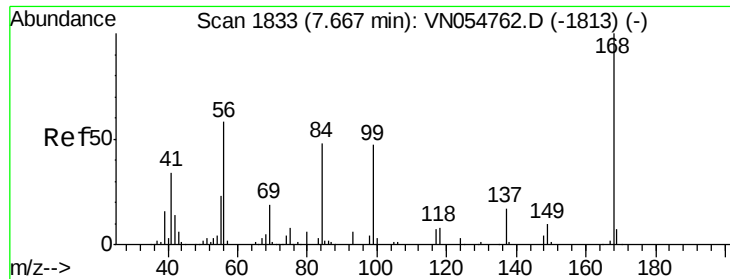
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

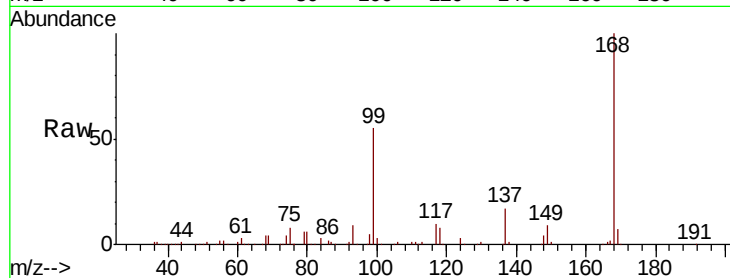
ClientSampled :

Tot Ion:168 Resp: 527443

Ion Ratio Lower Upper

168 100

99 54.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054807.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054807.D (-1740) (-)

7.67

250000

200000

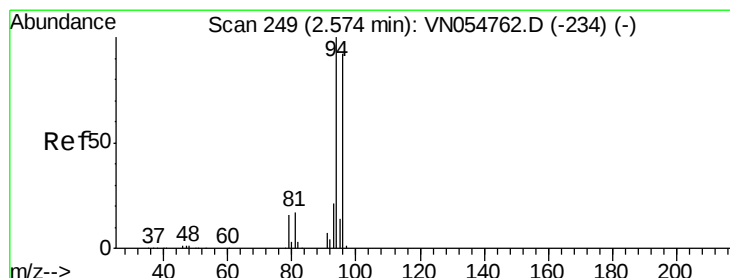
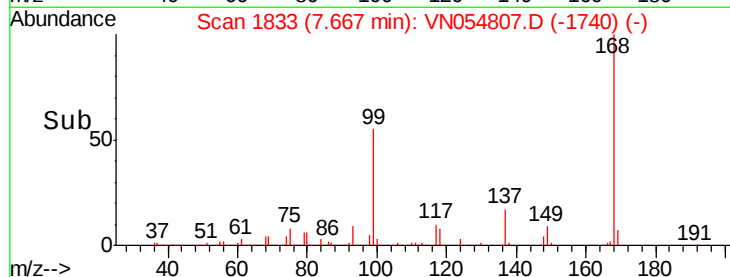
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 252

Delta R.T. 0.01 min

Lab File: VN054807.D

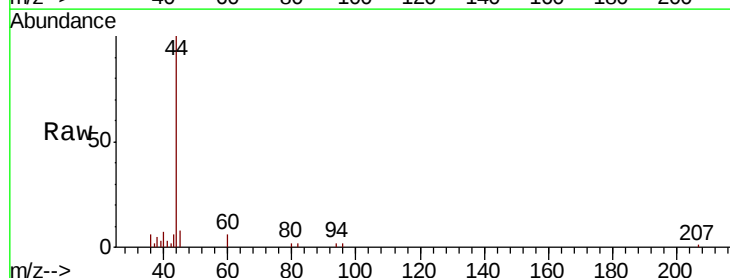
Acq: 30 Mar 2019 17:19

Tgt Ion: 94 Resp: 211

Ion Ratio Lower Upper

94 100

96 83.5 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN054807.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN054807.D (-156) (-)

2.58

400

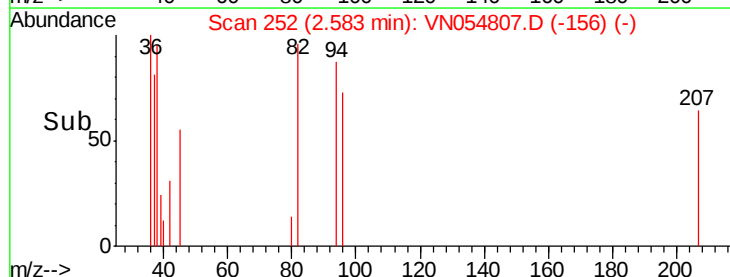
300

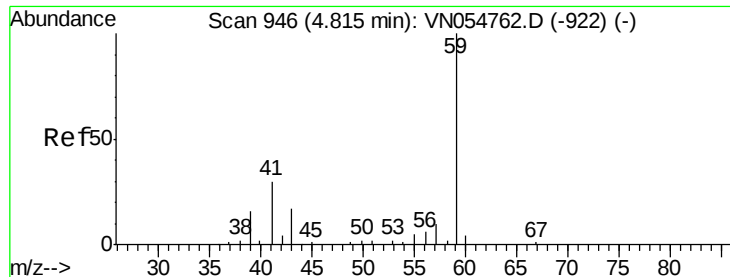
200

100

0

Time-->

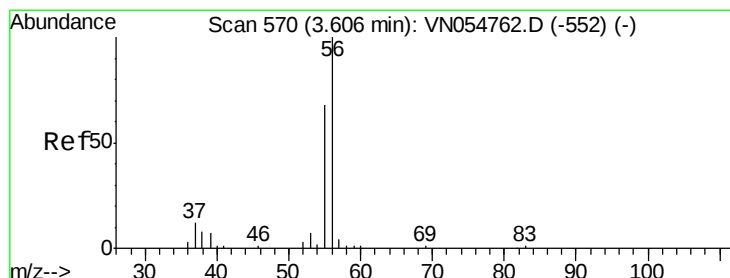
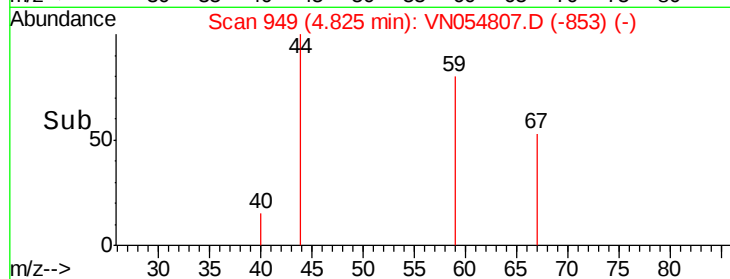
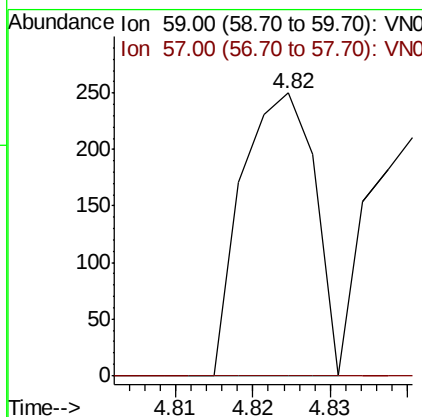
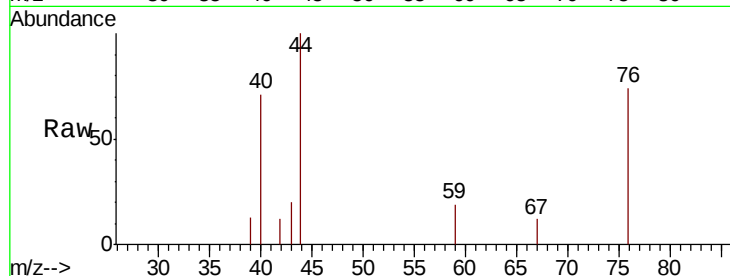




#11
Tert butyl alcohol
Concen: 0.443 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.01 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

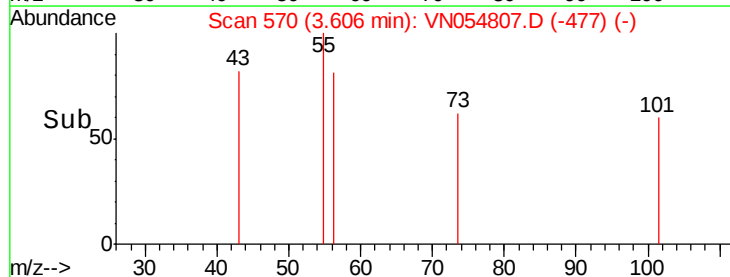
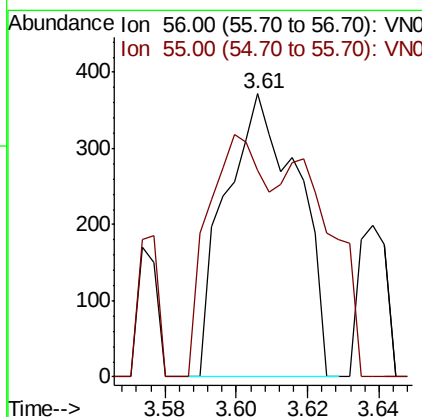
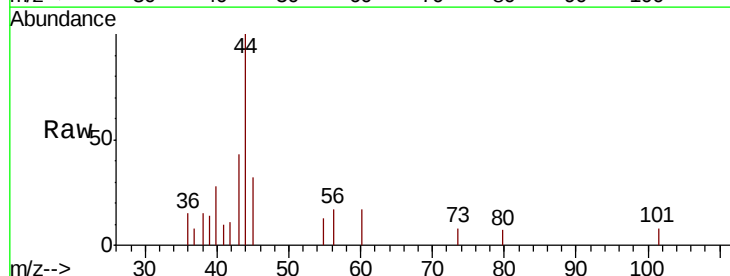
Instrument :
MSVOA_N
ClientSampled :

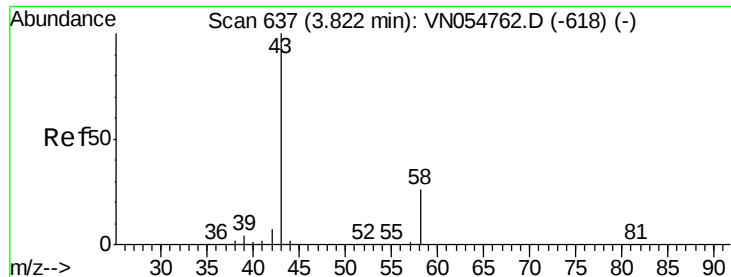
Tot Ion: 59 Resp: 164
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#13
Acrolein
Concen: 1.570 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

Tgt Ion: 56 Resp: 520
Ion Ratio Lower Upper
56 100
55 68.1 56.7 85.1

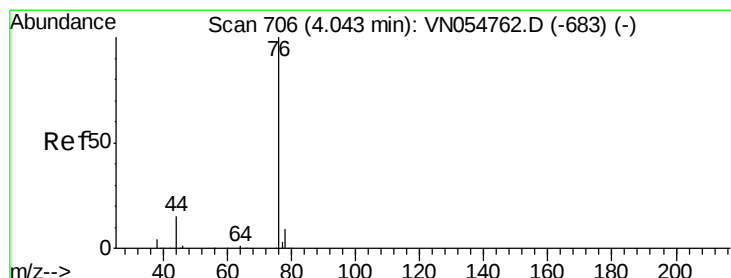
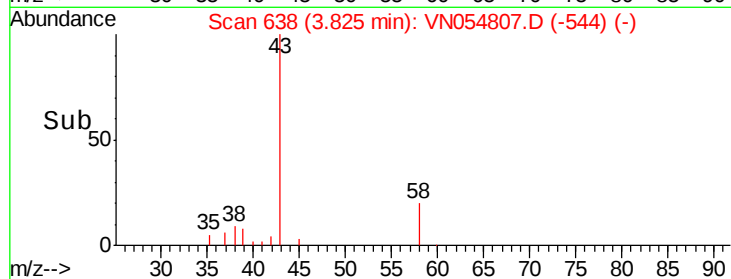
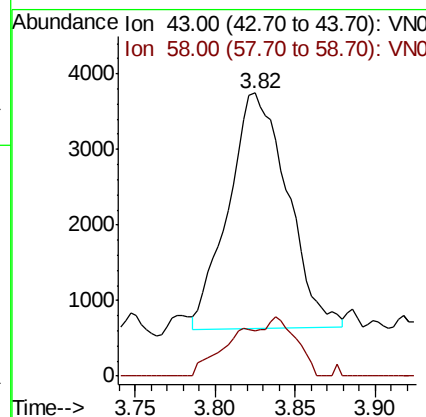
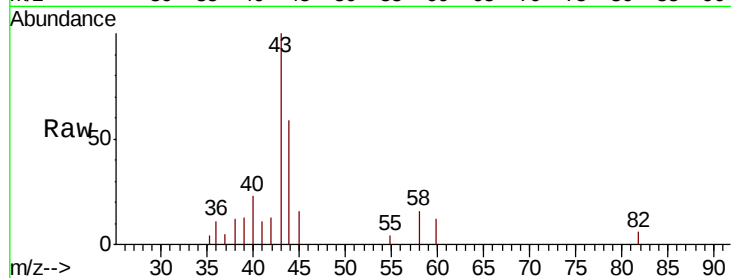




#16
 Acetone
 Concen: 4.650 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054807.D
 Acq: 30 Mar 2019 17:19

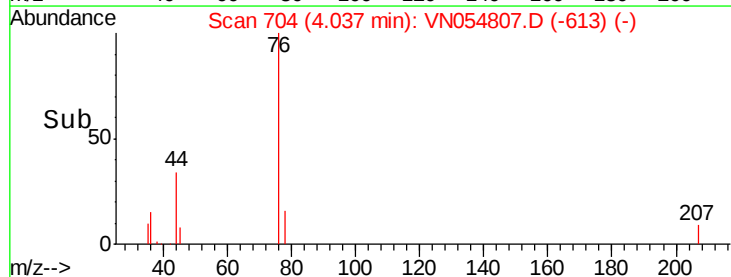
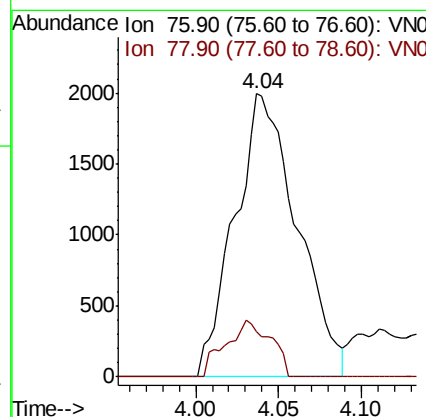
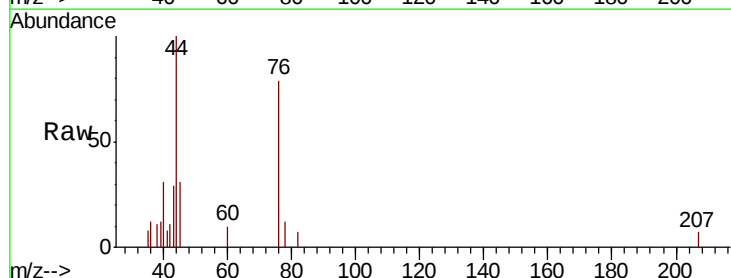
Instrument :
 MSVOA_N
 ClientSampled :

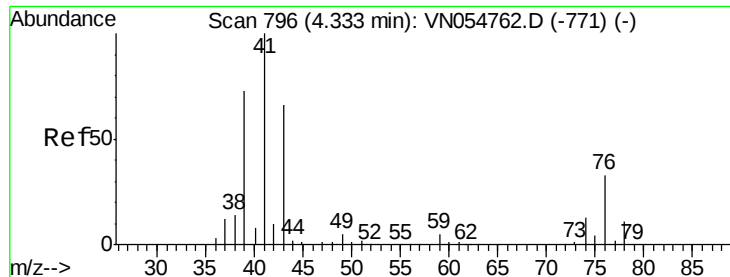
Tot Ion: 43 Resp: 7884
 Ion Ratio Lower Upper
 43 100
 58 20.2 29.9 44.9#



#17
 Carbon Disulfide
 Concen: 0.389 ug/l
 RT: 4.04 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: VN054807.D
 Acq: 30 Mar 2019 17:19

Tgt Ion: 76 Resp: 5228
 Ion Ratio Lower Upper
 76 100
 78 15.8 7.5 11.3#

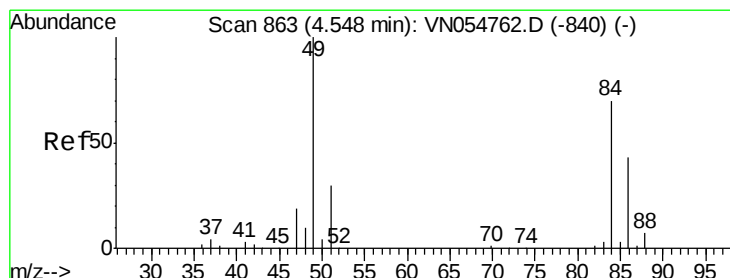
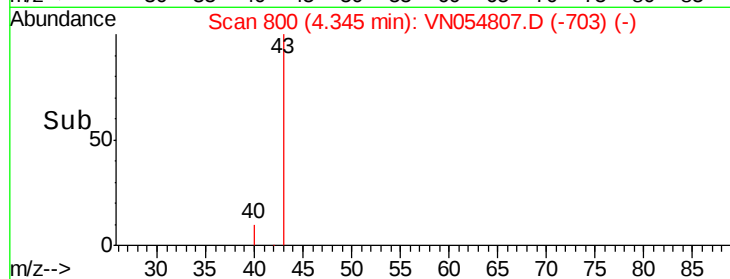
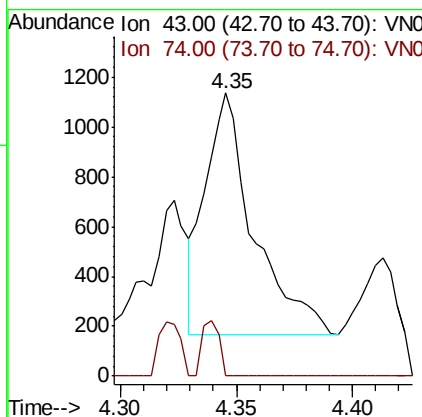
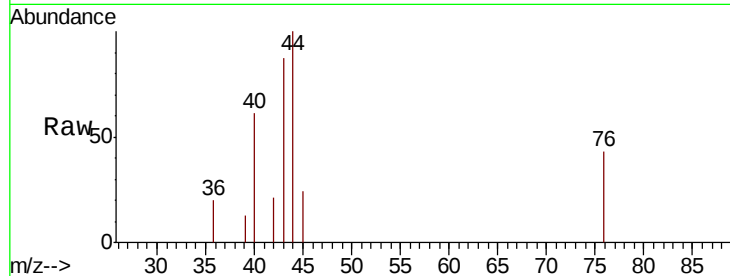




#18
Methyl Acetate
Concen: Below Cal
RT: 4.35 min Scan# 800
Delta R.T. 0.01 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

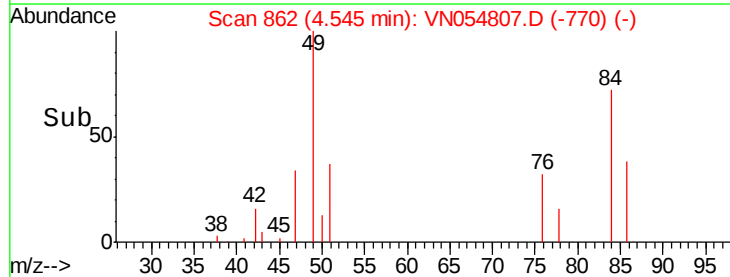
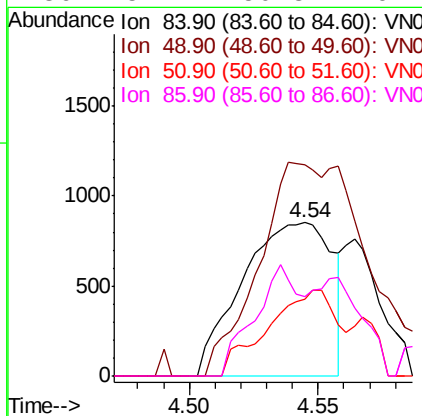
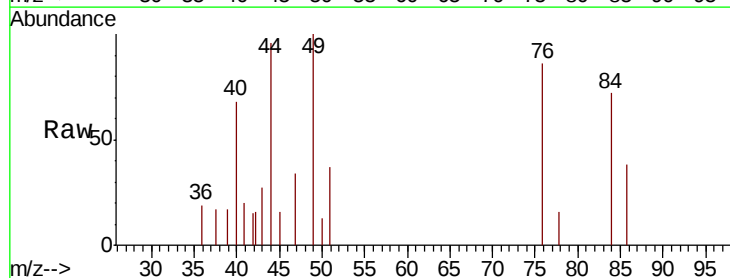
Instrument :
MSVOA_N
ClientSampled :

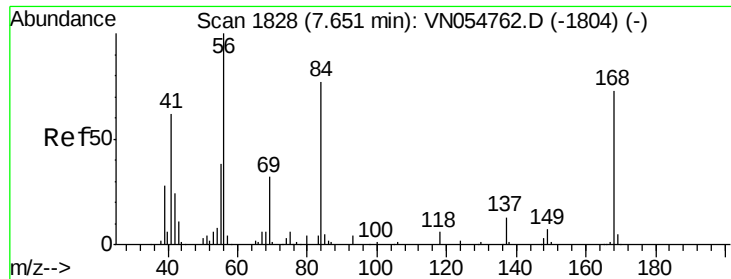
Tot Ion: 43 Resp: 1413
Ion Ratio Lower Upper
43 100
74 8.1 20.8 31.2#



#20
Methylene Chloride
Concen: 0.346 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

Tgt Ion: 84 Resp: 2067
Ion Ratio Lower Upper
84 100
49 138.1 89.7 134.5#
51 50.5 28.2 42.4#
86 52.2 50.8 76.2

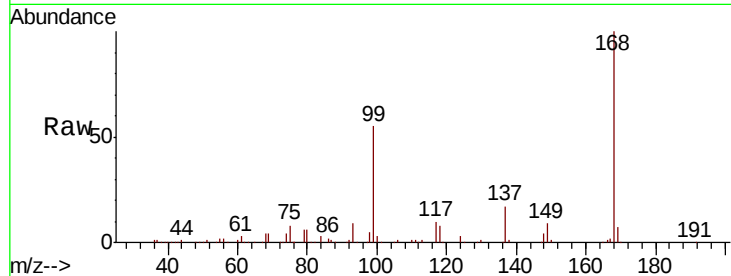




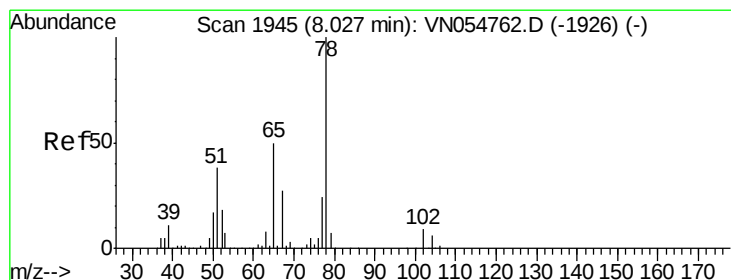
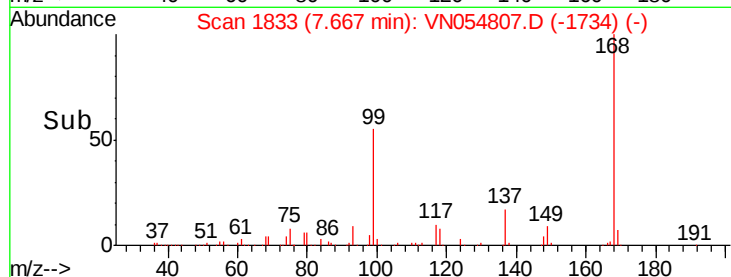
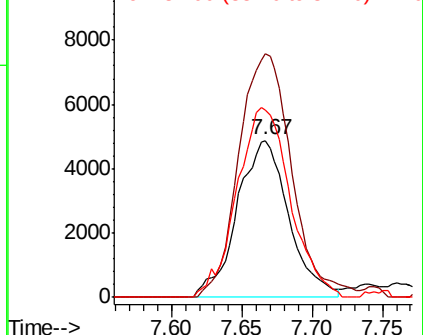
#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 12502
Ion Ratio Lower Upper
56 100
69 154.9 27.8 41.6#
84 119.0 74.6 111.8#

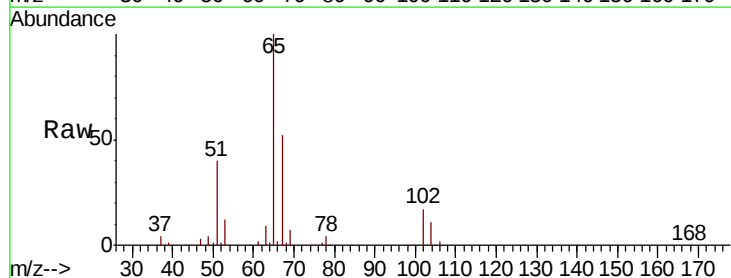


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

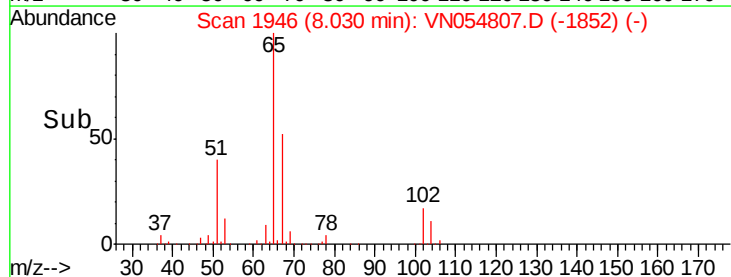
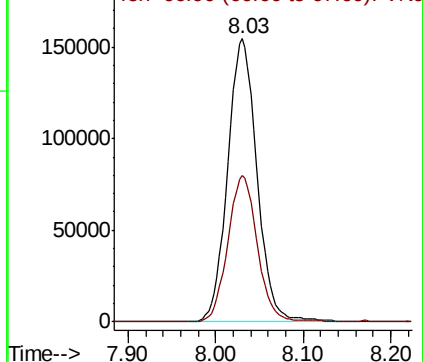


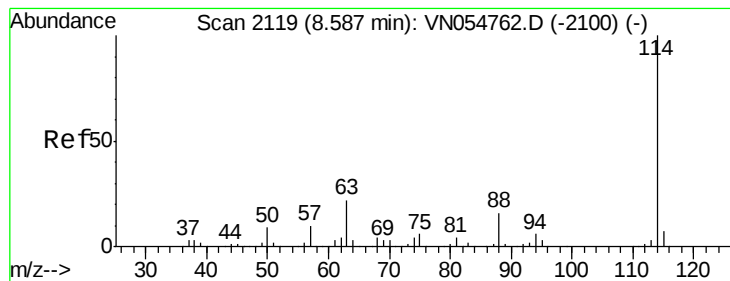
#33
1,2-Dichloroethane-d4
Concen: 50.701 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

Tgt Ion: 65 Resp: 360488
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.6



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

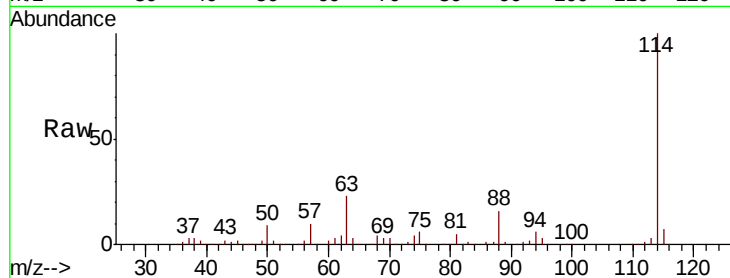
Tot Ion:114 Resp: 873824

Ion Ratio Lower Upper

114 100

63 22.7 0.0 35.2

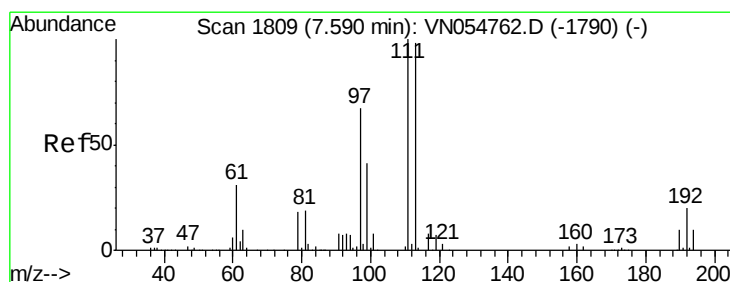
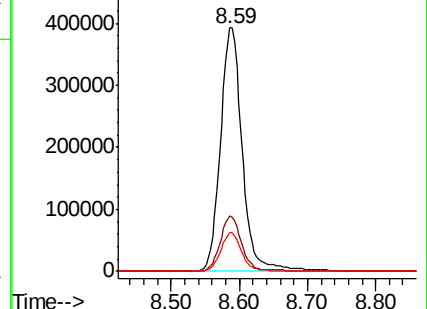
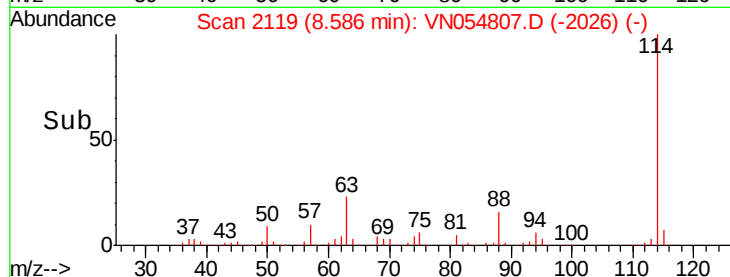
88 16.0 0.0 30.2



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: 47.929 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

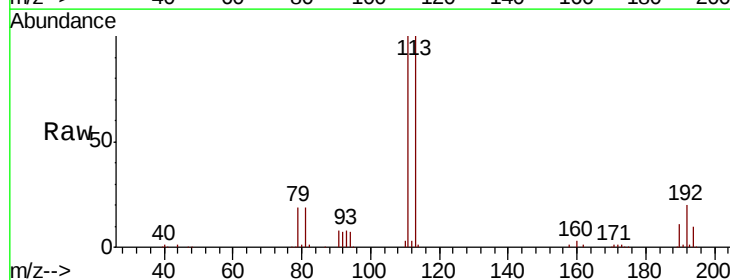
Tgt Ion:113 Resp: 279222

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

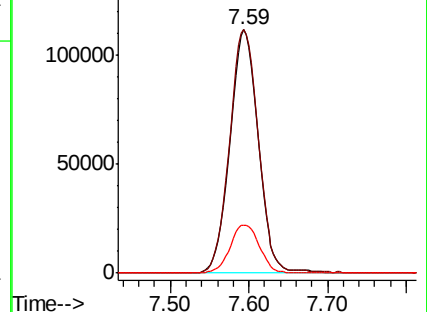
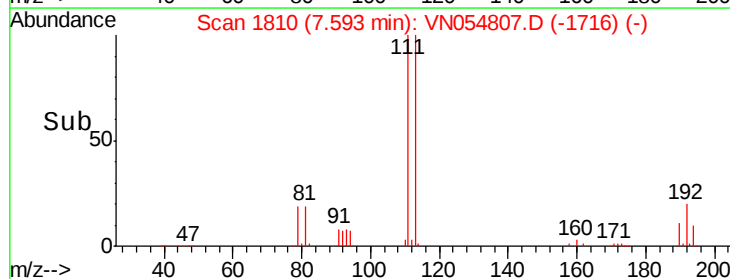
192 20.7 19.2 28.8

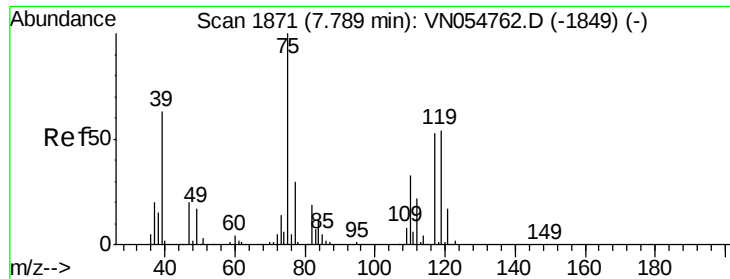


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

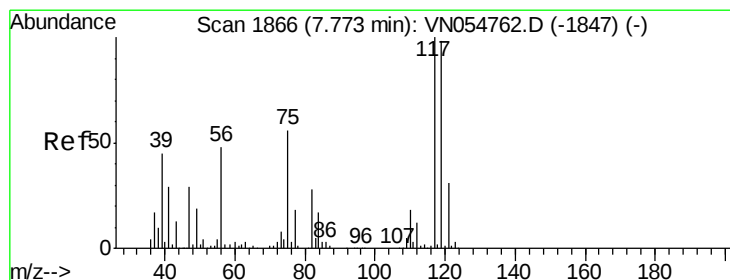
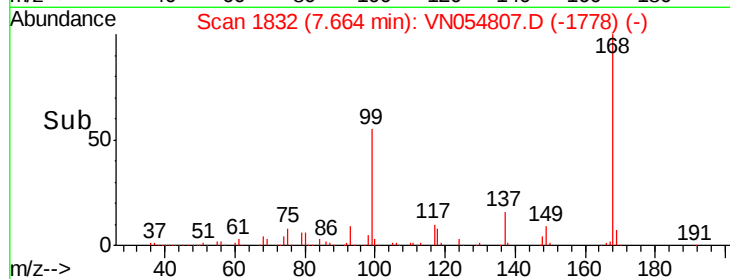
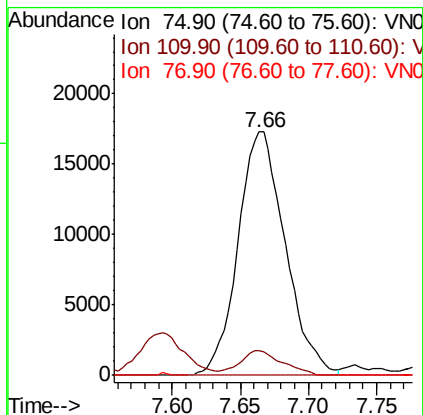
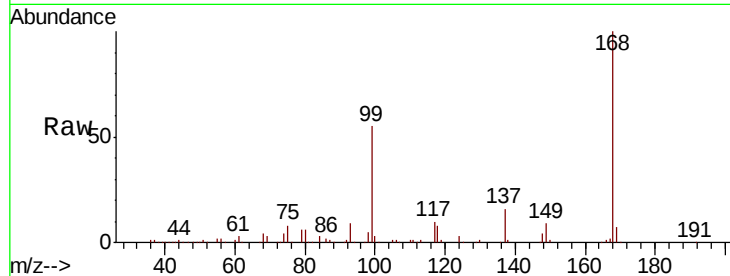




#36
 1,1-Dichloropropene
 Concen: 5.109 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054807.D
 Acq: 30 Mar 2019 17:19

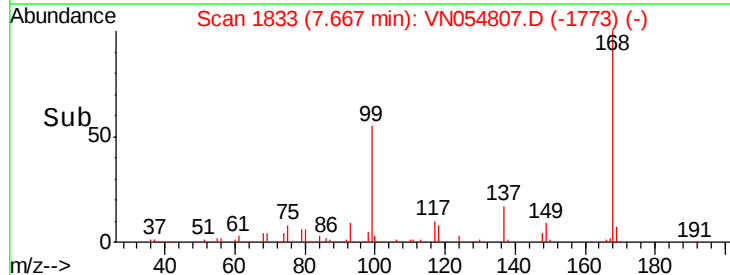
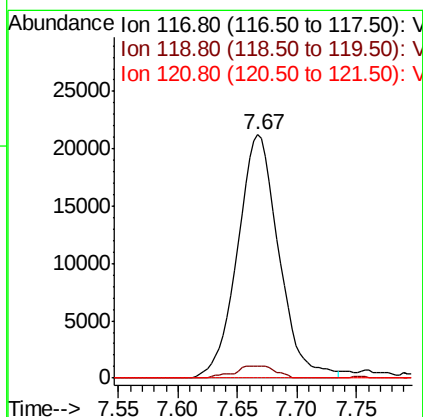
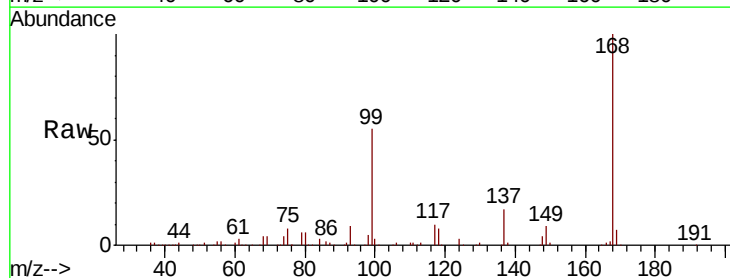
Instrument :
 MSVOA_N
 ClientSampleId :

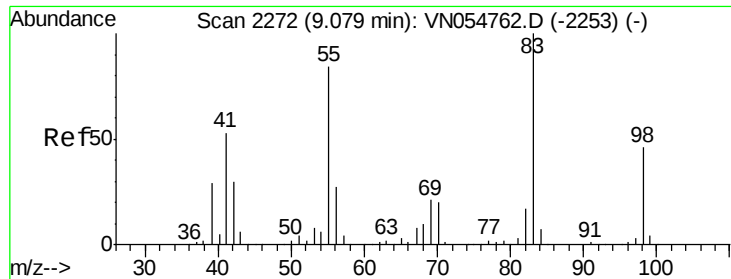
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.450 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN054807.D
 Acq: 30 Mar 2019 17:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.3	114.5#
121	0.0	24.6	36.8#

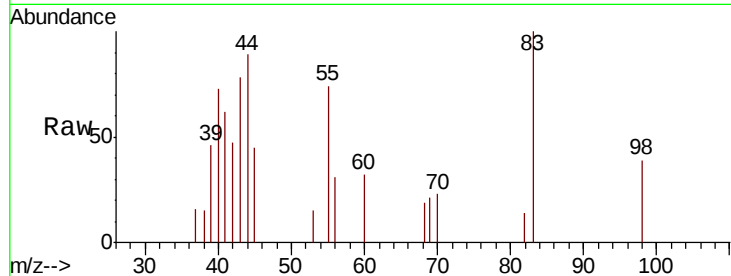




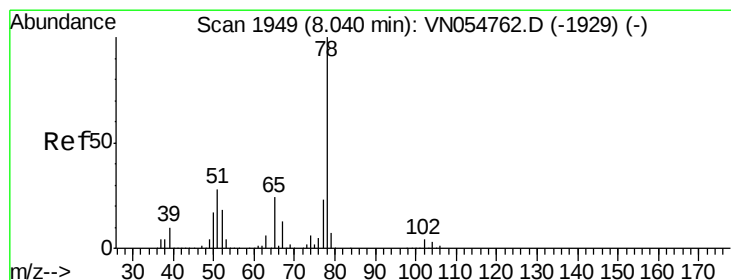
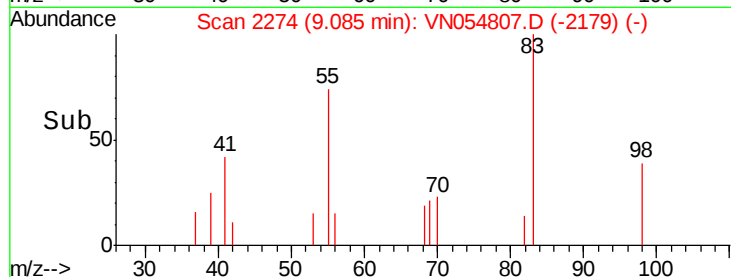
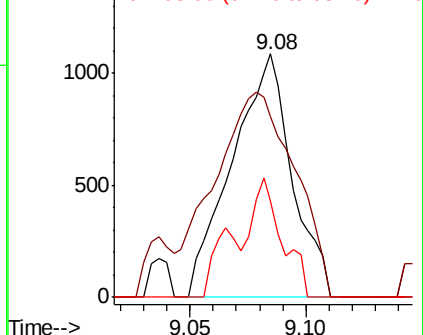
#39
Methvlcvclohexane
Concen: 0.218 ug/l
RT: 9.08 min Scan# 2274
Delta R.T. 0.01 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 1953
Ion Ratio Lower Upper
83 100
55 74.1 56.6 84.8
98 39.4 38.4 57.6

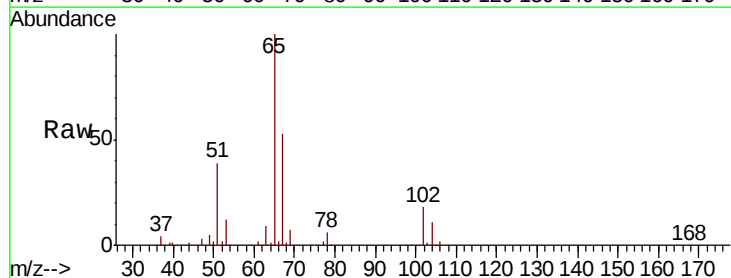


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

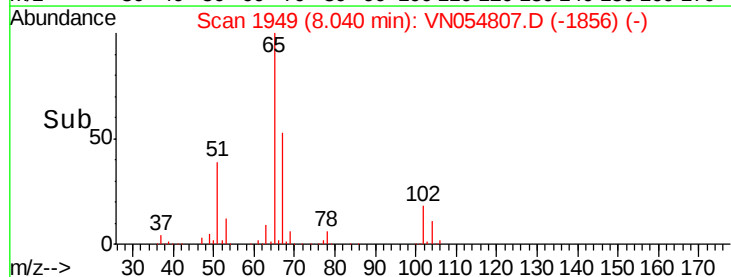
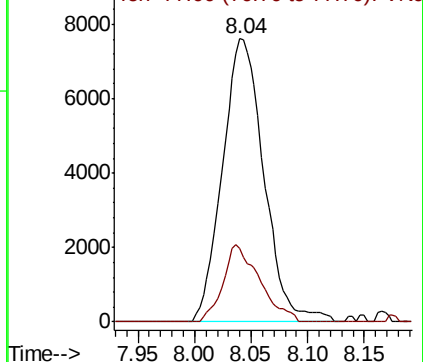


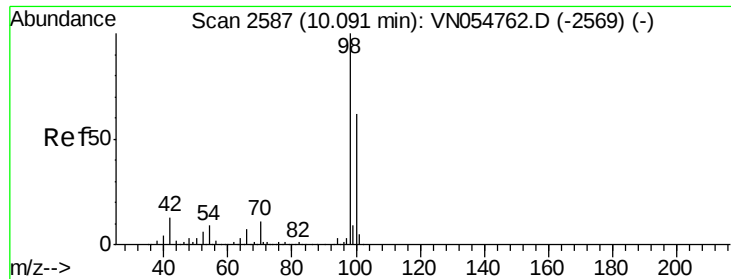
#40
Benzene
Concen: 0.834 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

Tgt Ion: 78 Resp: 19429
Ion Ratio Lower Upper
78 100
77 25.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#50

Toluene-d8

Concen: 48.172 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

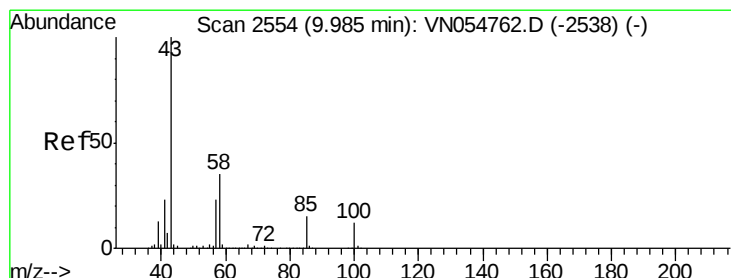
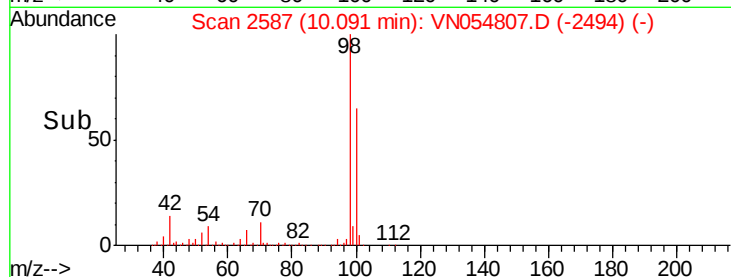
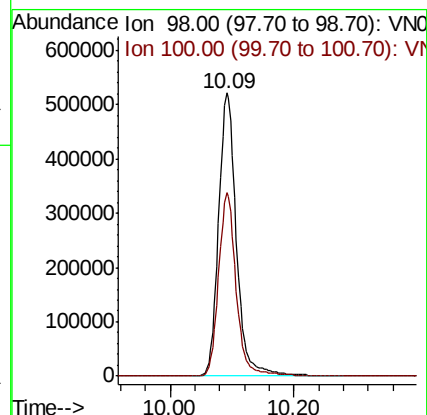
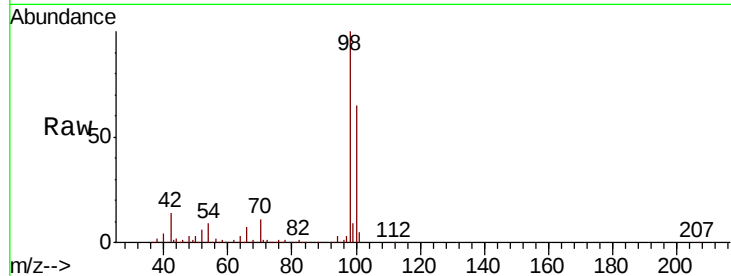
ClientSampleId :

Tot Ion: 98 Resp: 1043348

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 0.511 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN054807.D

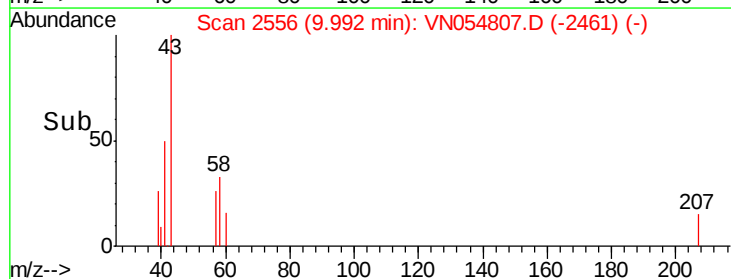
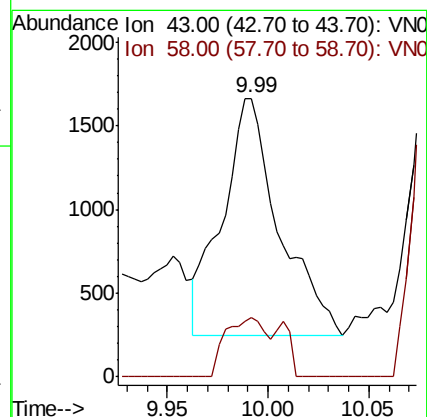
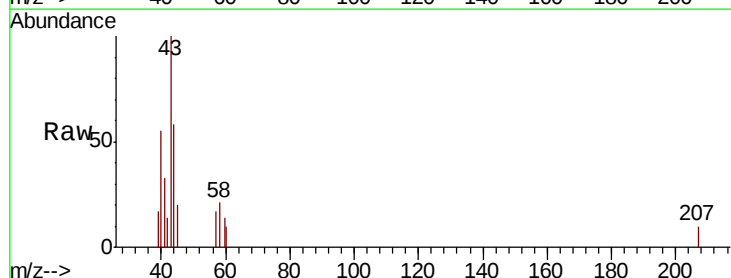
Acq: 30 Mar 2019 17:19

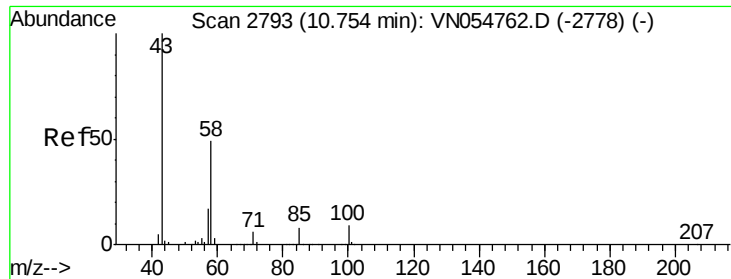
Tgt Ion: 43 Resp: 2786

Ion Ratio Lower Upper

43 100

58 17.9 31.8 47.6#

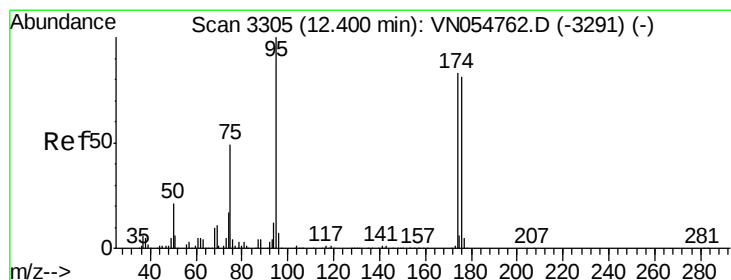
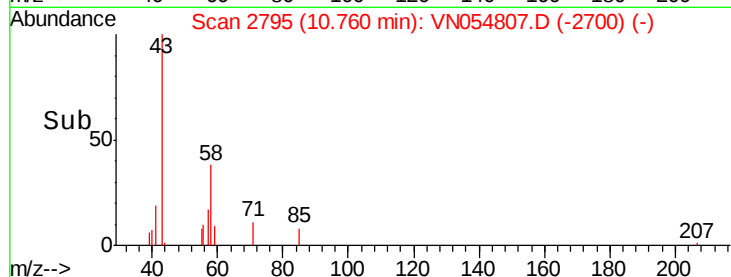
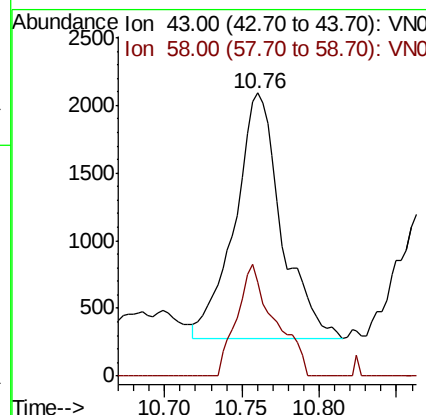
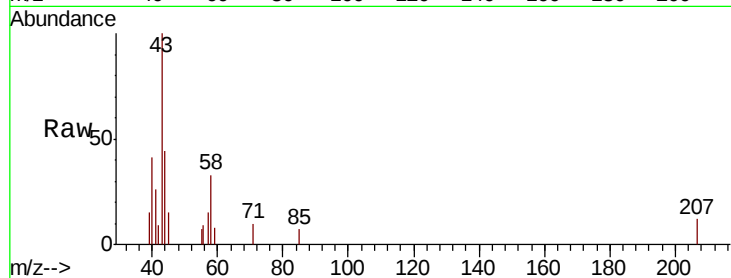




#59
2-Hexanone
Concen: 1.084 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

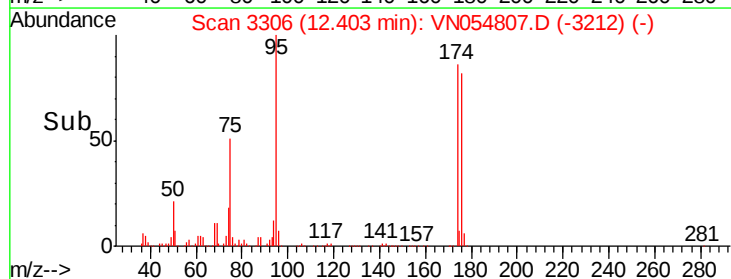
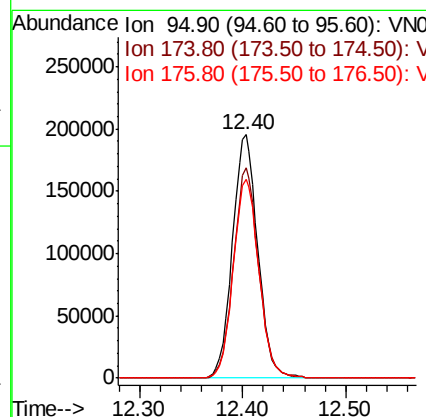
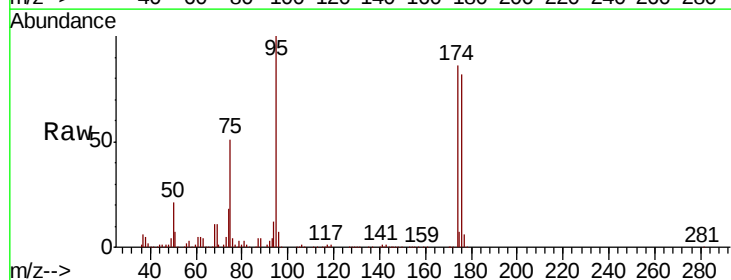
Instrument :
MSVOA_N
ClientSampled :

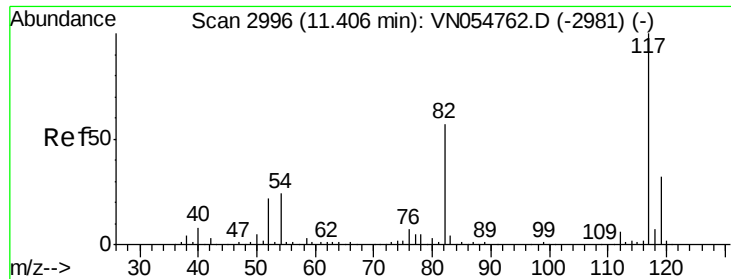
Tot Ion: 43 Resp: 3785
Ion Ratio Lower Upper
43 100
58 37.0 28.0 83.9



#62
4-Bromofluorobenzene
Concen: 46.497 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

Tgt Ion: 95 Resp: 334923
Ion Ratio Lower Upper
95 100
174 85.4 0.0 191.0
176 82.8 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

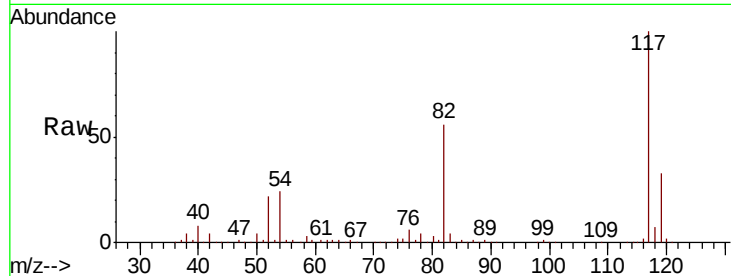
Tot Ion:117 Resp: 745000

Ion Ratio Lower Upper

117 100

82 56.4 40.0 60.0

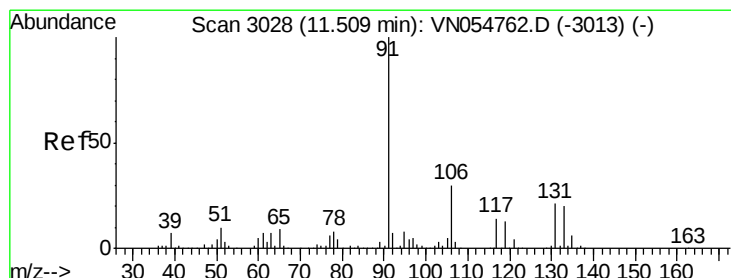
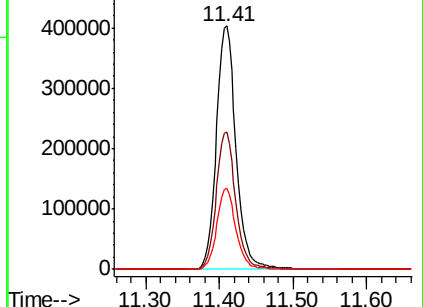
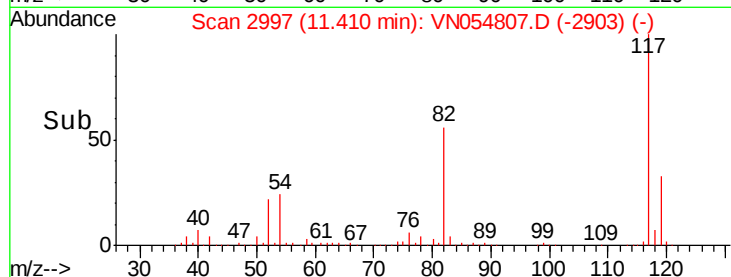
119 33.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 2.641 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054807.D

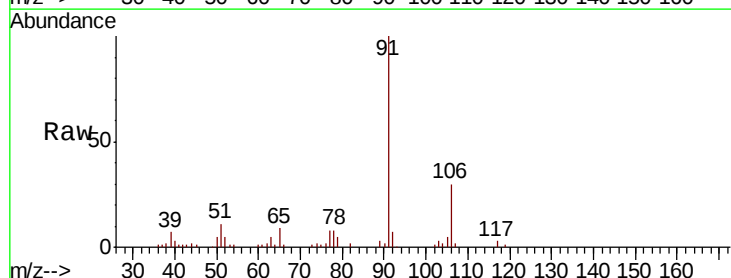
Acq: 30 Mar 2019 17:19

Tgt Ion: 91 Resp: 69518

Ion Ratio Lower Upper

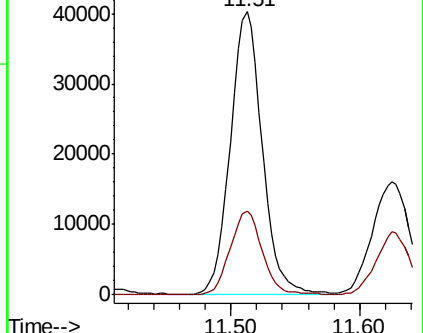
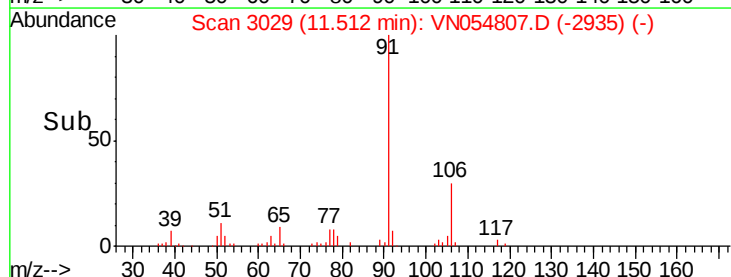
91 100

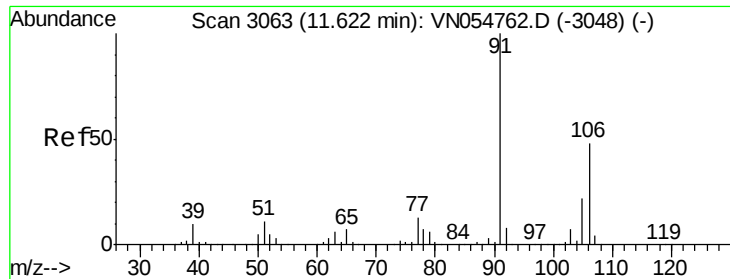
106 29.7 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

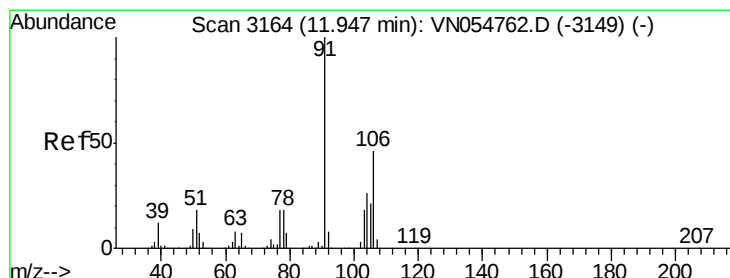
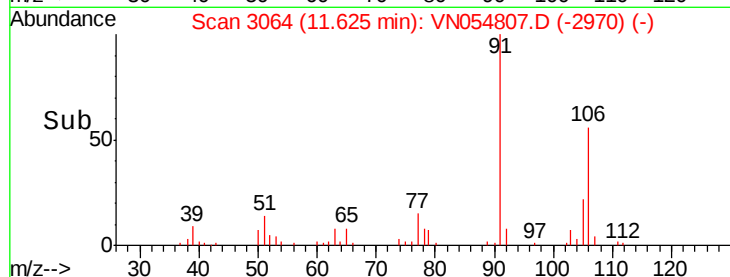
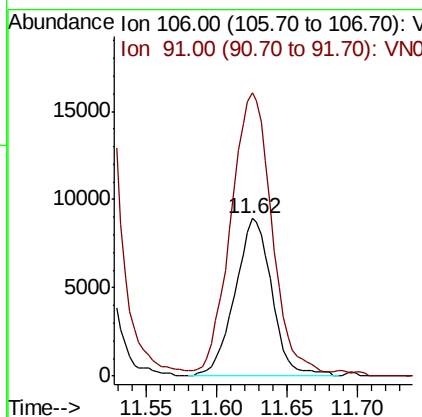
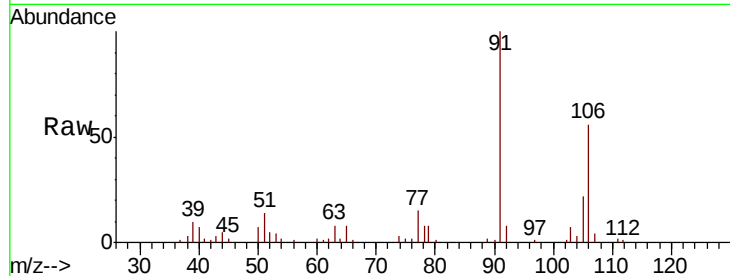




#68
m/p-Xylenes
Concen: 1.682 ug/l
RT: 11.62 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

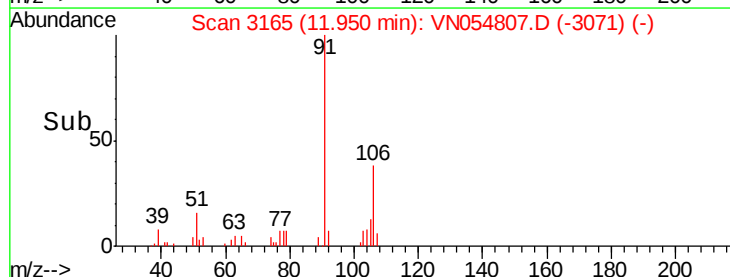
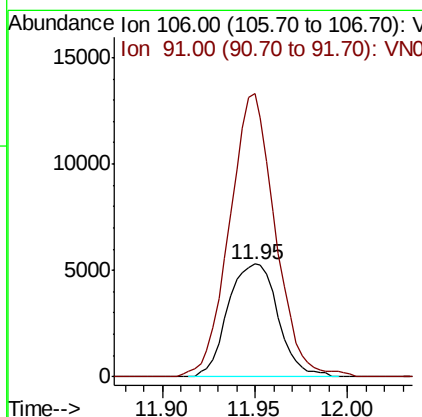
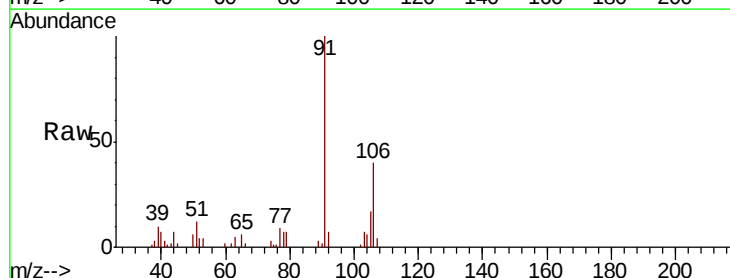
Instrument :
MSVOA_N
ClientSampled :

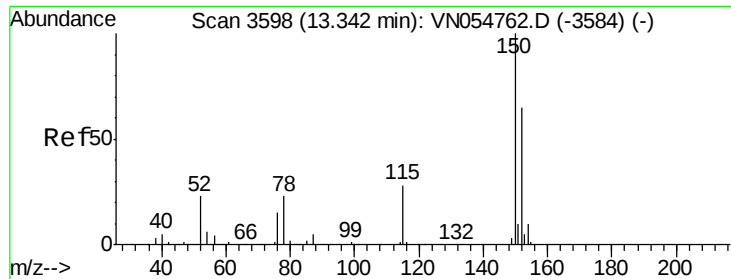
Tot Ion:106 Resp: 16383
Ion Ratio Lower Upper
106 100
91 194.7 159.4 239.2



#69
o-Xylene
Concen: 1.036 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

Tgt Ion:106 Resp: 9900
Ion Ratio Lower Upper
106 100
91 229.9 105.7 317.1



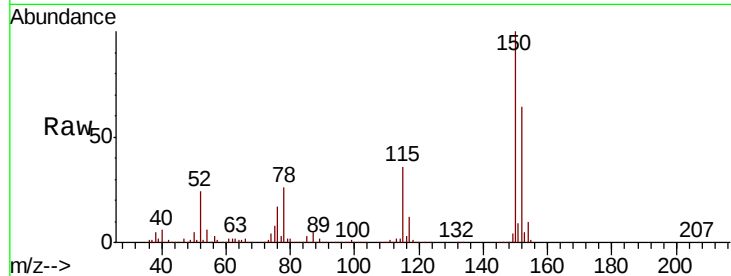


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.8	27.2	81.6
150	158.5	0.0	349.2

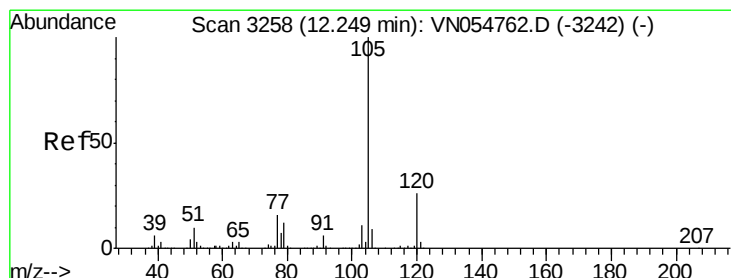
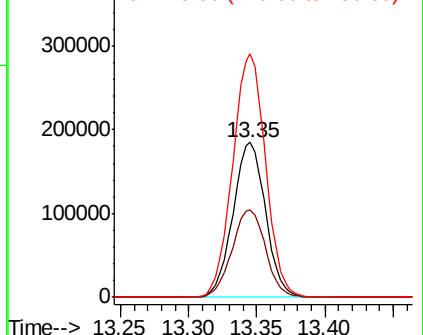
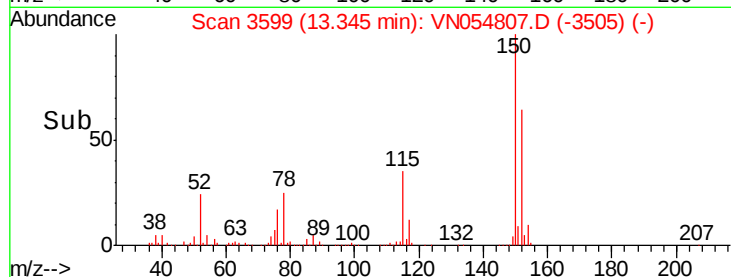


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

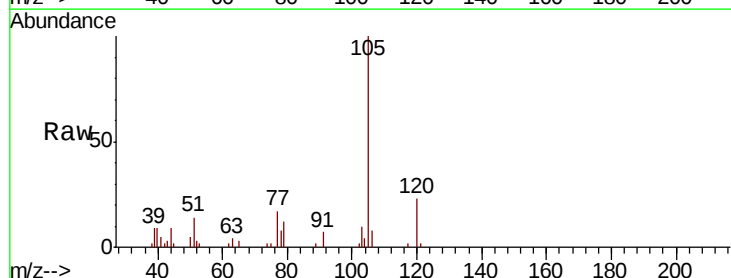
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 0.684 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

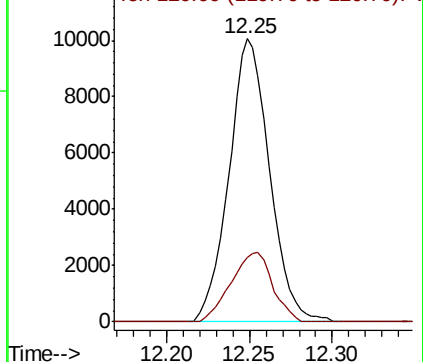
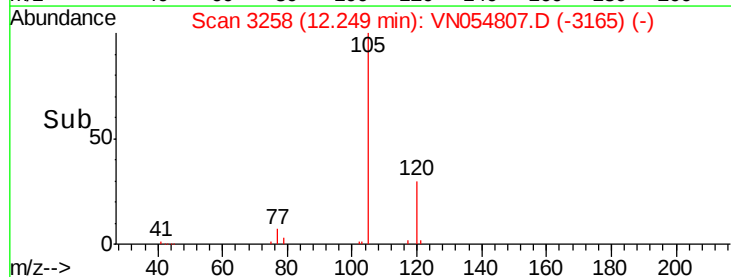
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	13.8	41.3

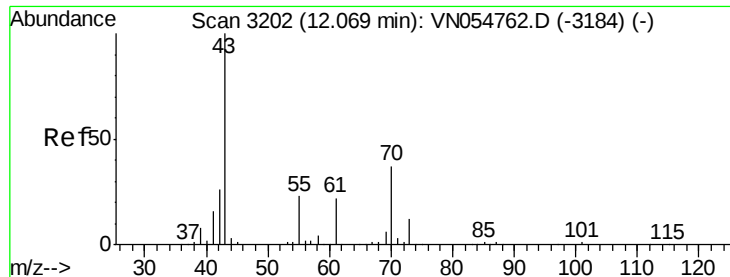


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.237 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN054807.D

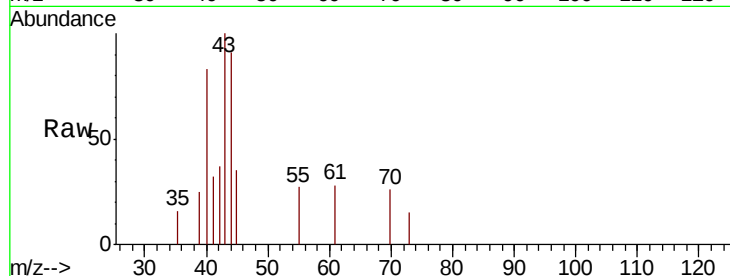
Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	43	Resp:	1849
Ion	Ratio	Lower	Upper
43	100		
70	36.0	35.4	53.0
55	31.6	19.8	29.6#
61	20.4	19.8	29.6

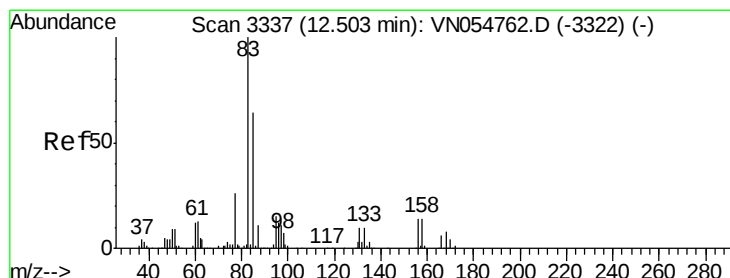
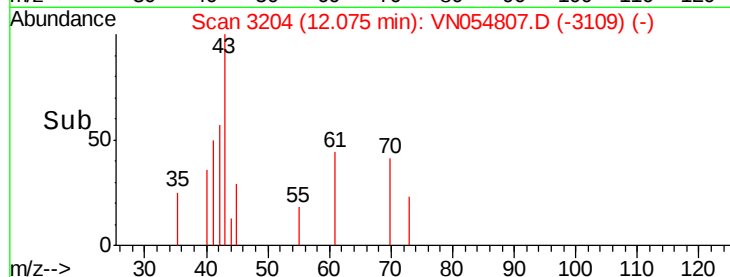
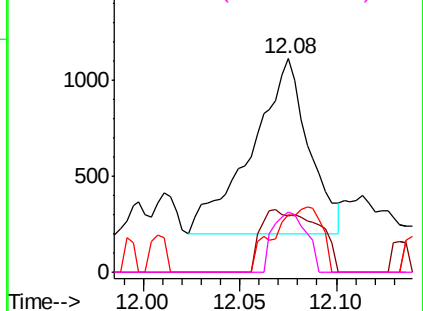


Abundance Ion 43.00 (42.70 to 43.70): VNO

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: Below Cal

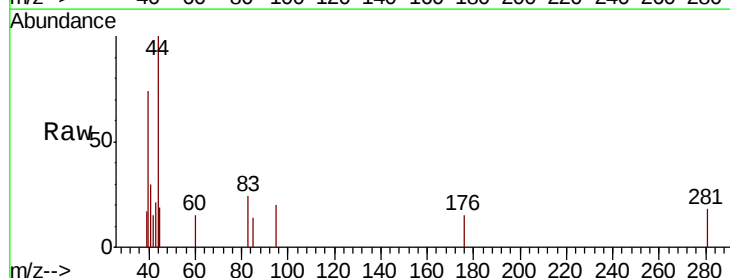
RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

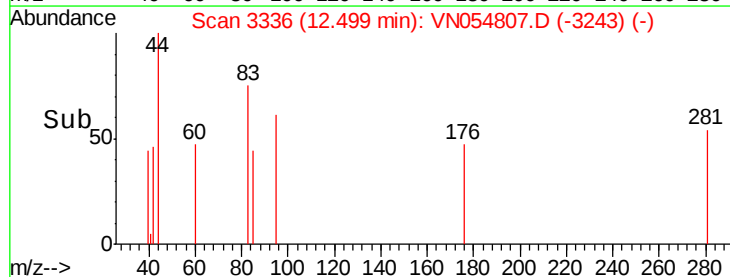
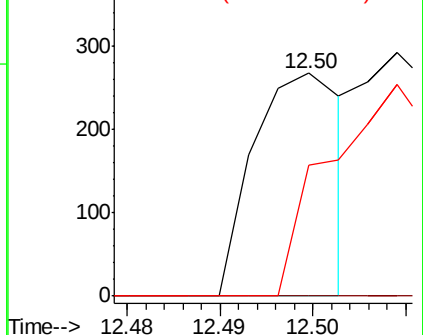
Tgt Ion:	83	Resp:	179
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.8	17.4#
85	106.7	32.2	96.6#

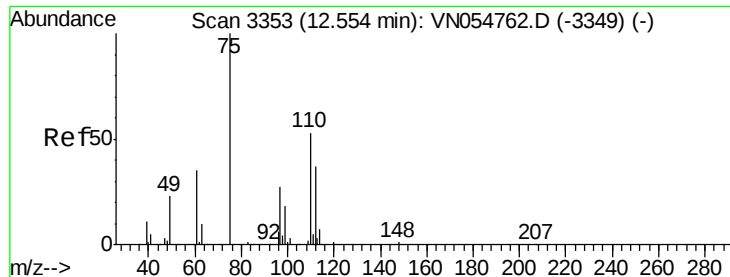


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 32.780 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

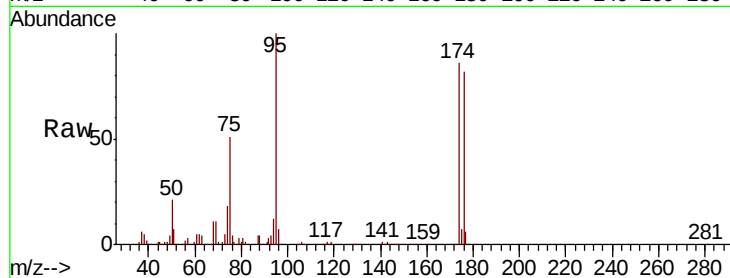
ClientSampleId :

Tot Ion: 75 Resp: 174449

Ion Ratio Lower Upper

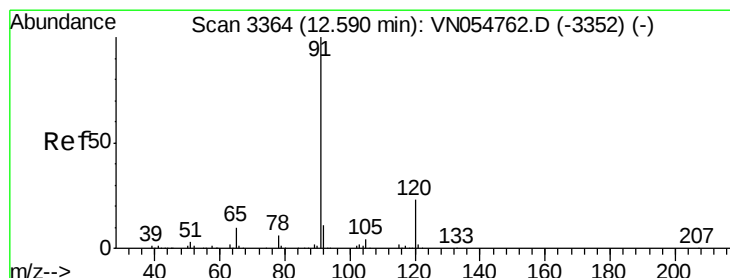
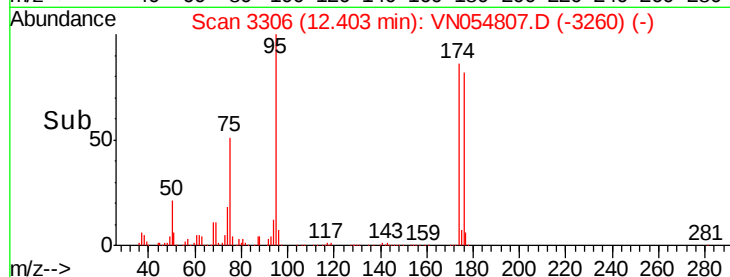
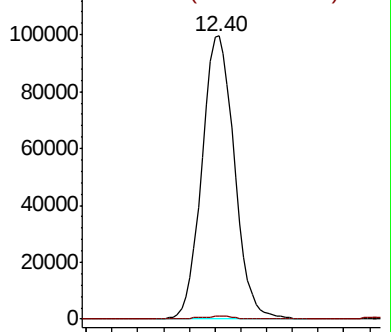
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.321 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054807.D

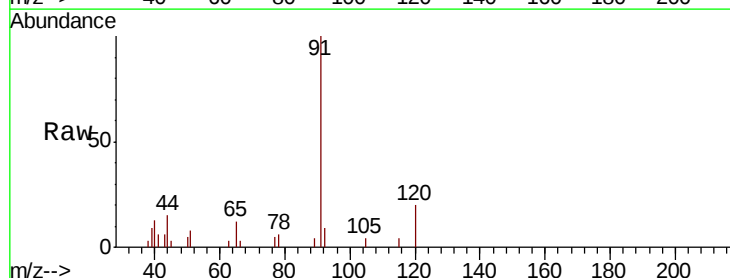
Acq: 30 Mar 2019 17:19

Tgt Ion: 91 Resp: 8839

Ion Ratio Lower Upper

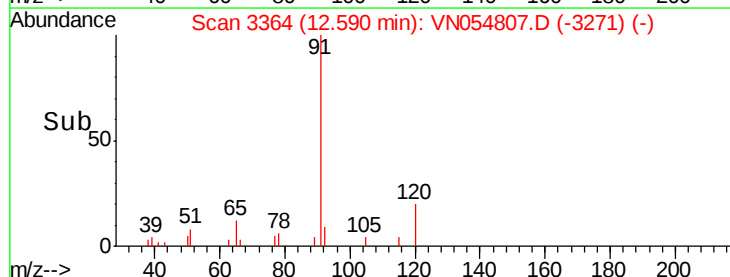
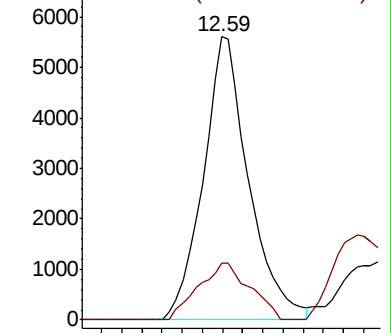
91 100

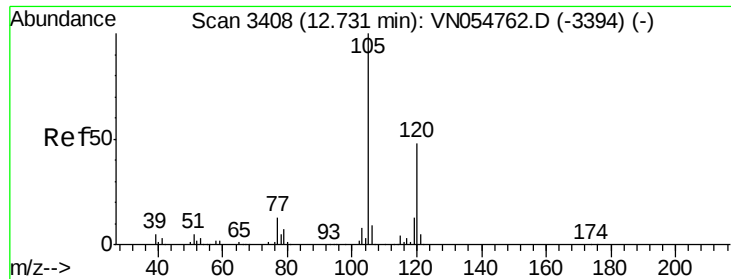
120 22.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

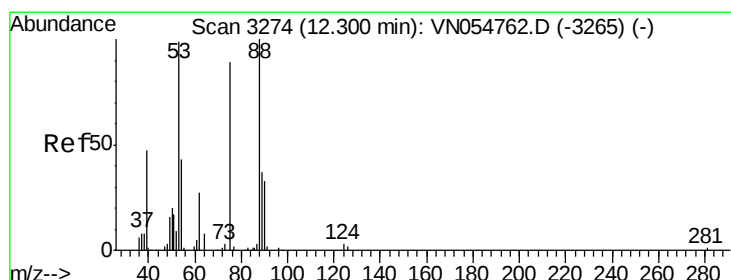
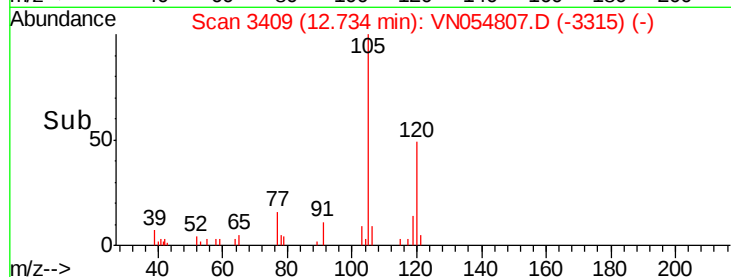
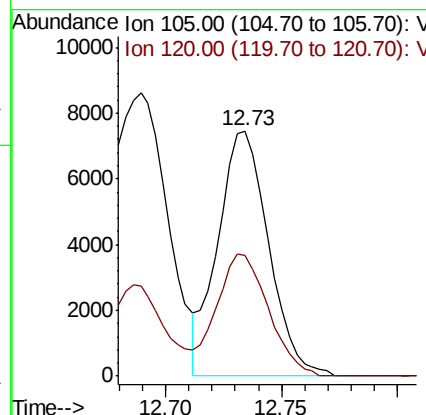
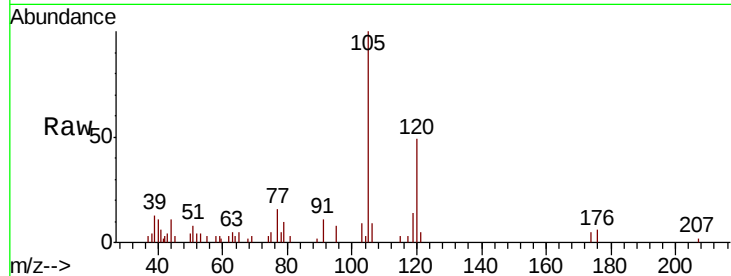




#80
 1,3,5-Trimethylbenzene
 Concen: 0.552 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN054807.D
 Acq: 30 Mar 2019 17:19

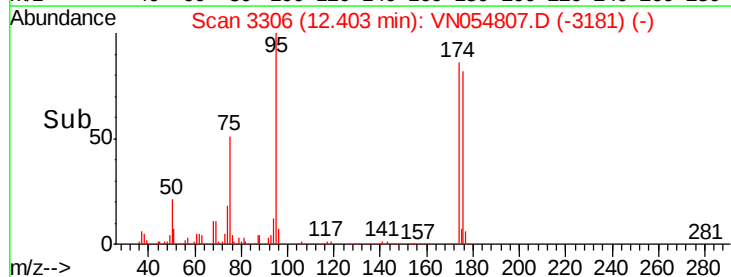
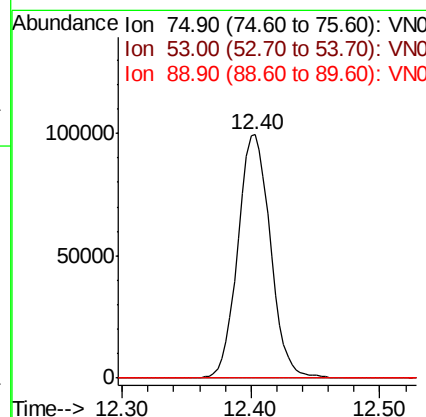
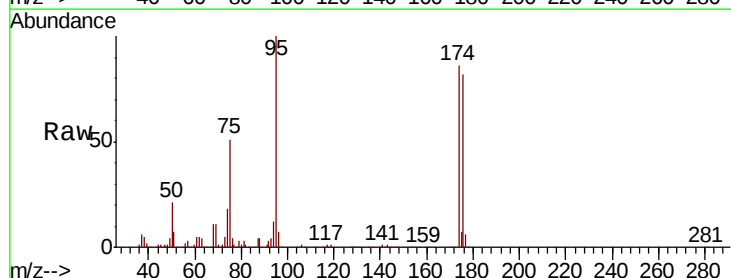
Instrument :
 MSVOA_N
 ClientSampled :

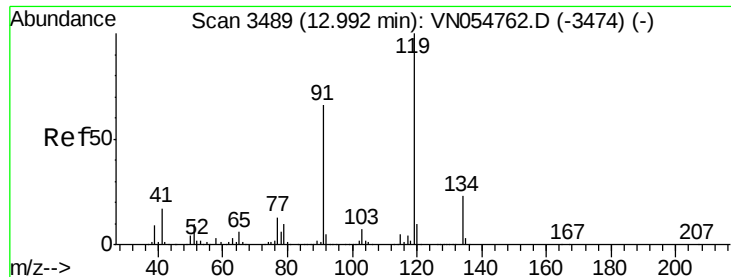
Tot Ion:105 Resp: 11338
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.0 75.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.504 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN054807.D
 Acq: 30 Mar 2019 17:19

Tgt Ion: 75 Resp: 174449
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.0 39.2 58.8#





#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.00 min Scan# 3491

Delta R.T. 0.01 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

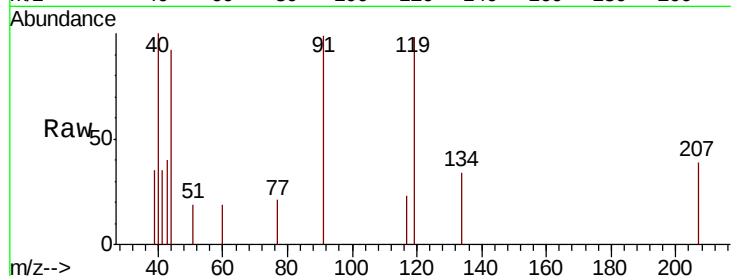
Tot Ion:119 Resp: 1538

Ion Ratio Lower Upper

119 100

91 95.8 30.9 92.8#

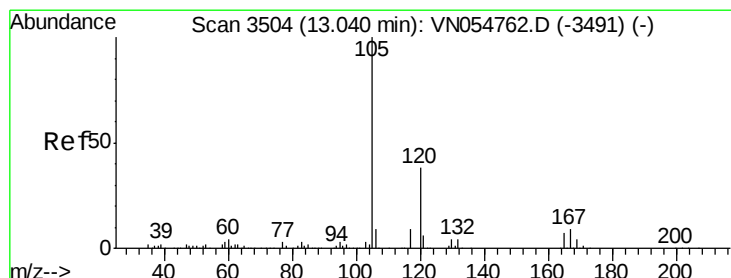
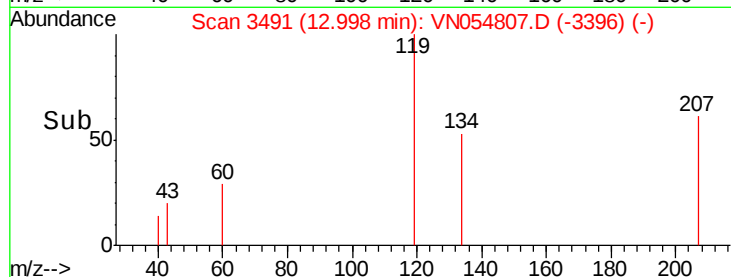
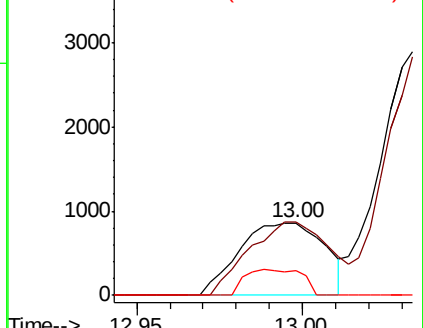
134 23.8 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.559 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054807.D

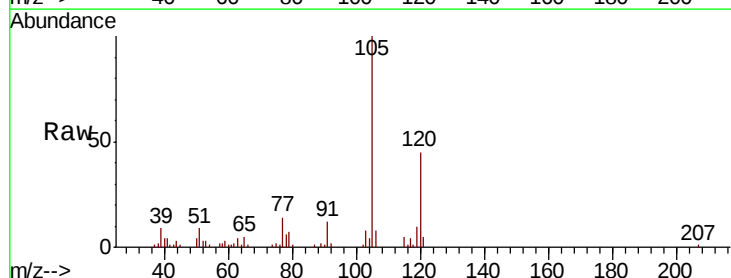
Acq: 30 Mar 2019 17:19

Tgt Ion:105 Resp: 50083

Ion Ratio Lower Upper

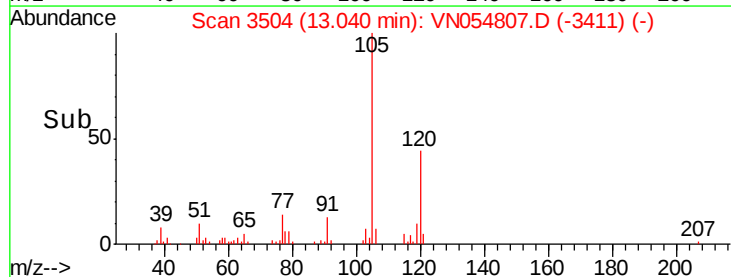
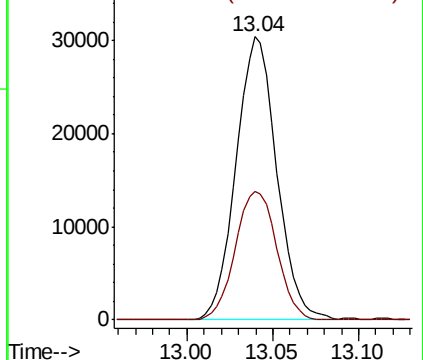
105 100

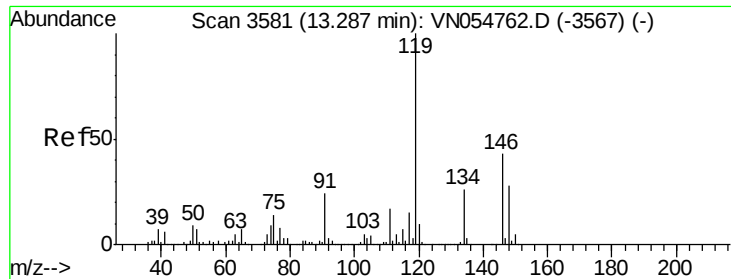
120 46.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

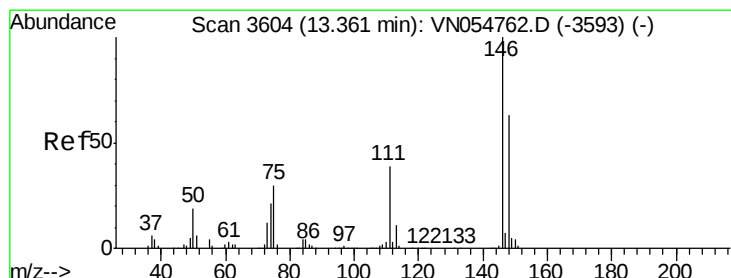
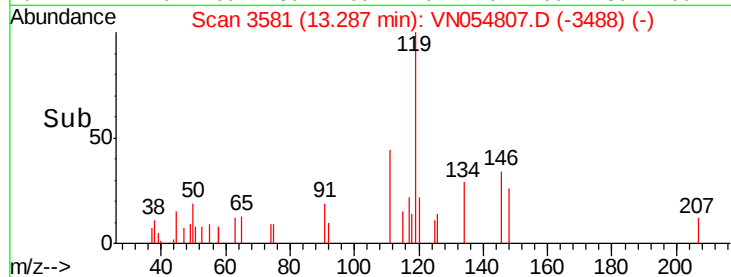
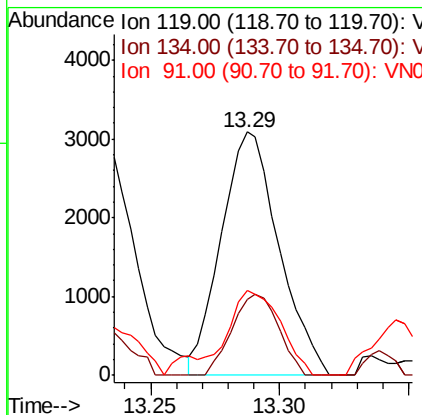
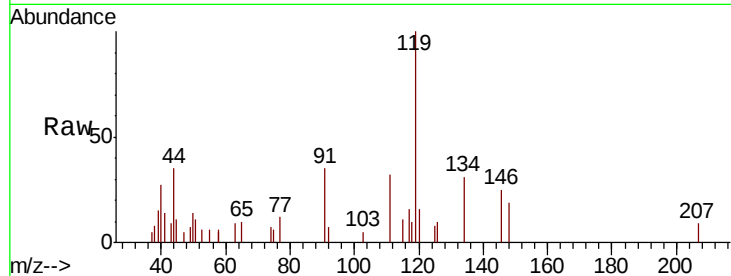




#86
 p-Isopropyltoluene
 Concen: 0.244 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054807.D
 Acq: 30 Mar 2019 17:19

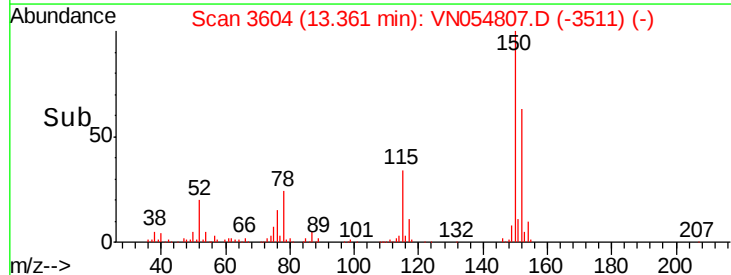
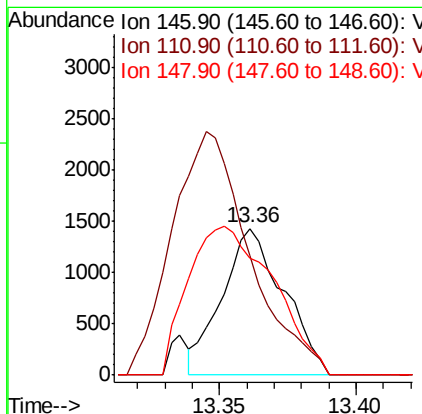
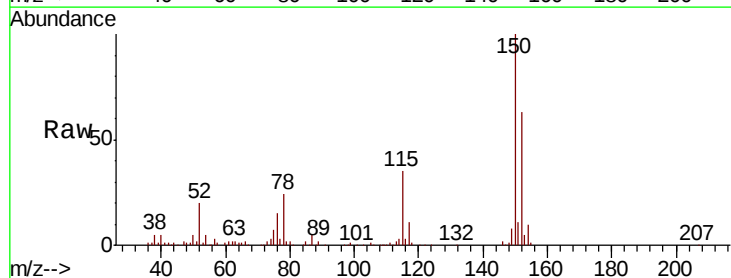
Instrument :
 MSVOA_N
 ClientSampleId :

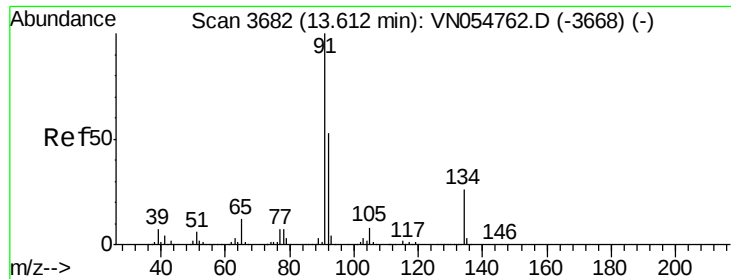
Tot Ion:119 Resp: 4802
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.6 40.8
 91 31.7 11.1 33.3



#88
 1,4-Dichlorobenzene
 Concen: 0.226 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054807.D
 Acq: 30 Mar 2019 17:19

Tgt Ion:146 Resp: 2241
 Ion Ratio Lower Upper
 146 100
 111 209.1 18.1 54.1#
 148 140.4 32.0 96.0#





#89

n-Butylbenzene

Concen: 0.318 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

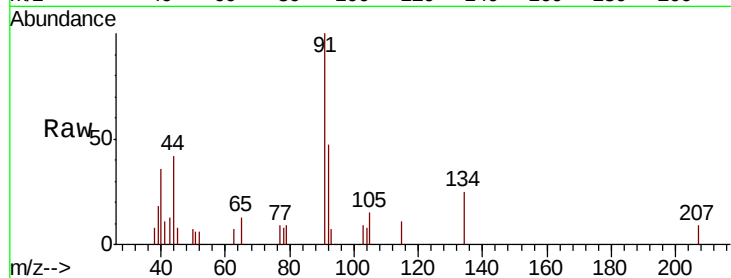
Tot Ion: 91 Resp: 5101

Ion Ratio Lower Upper

91 100

92 44.9 26.2 78.6

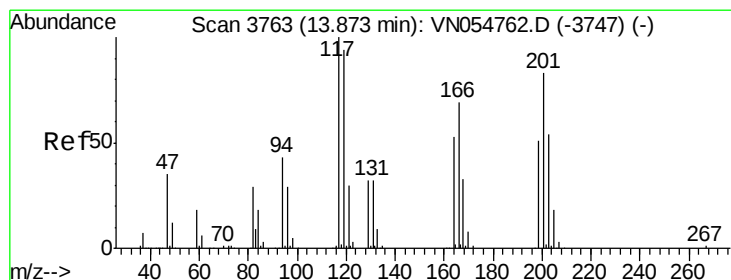
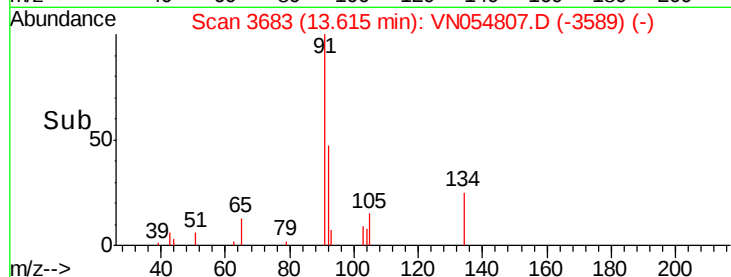
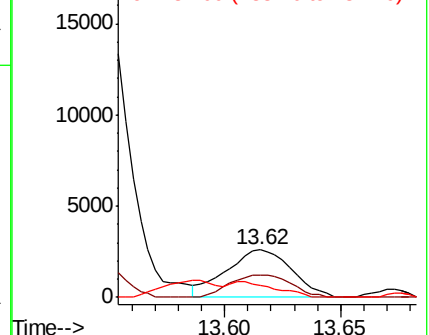
134 23.2 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054807.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN054807.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN054807.D (-3682) (-)



#90

Hexachloroethane

Concen: 0.404 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN054807.D

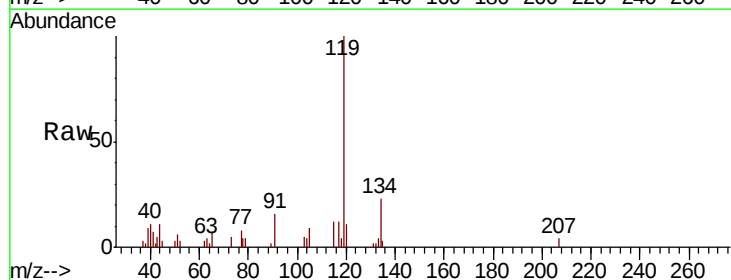
Acq: 30 Mar 2019 17:19

Tgt Ion: 117 Resp: 1350

Ion Ratio Lower Upper

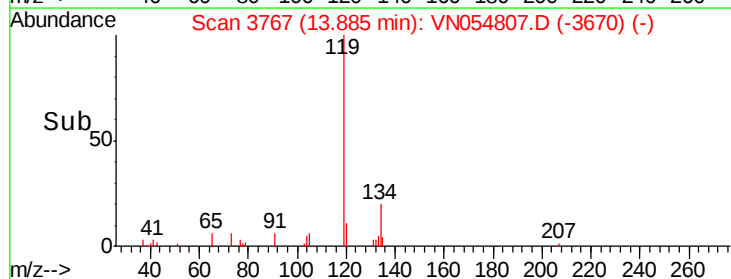
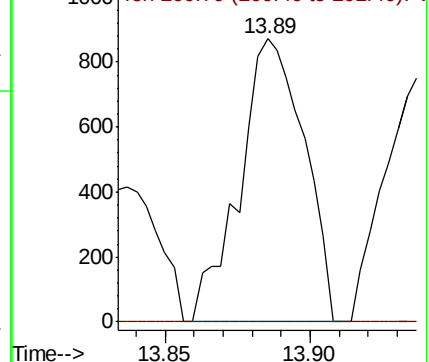
117 100

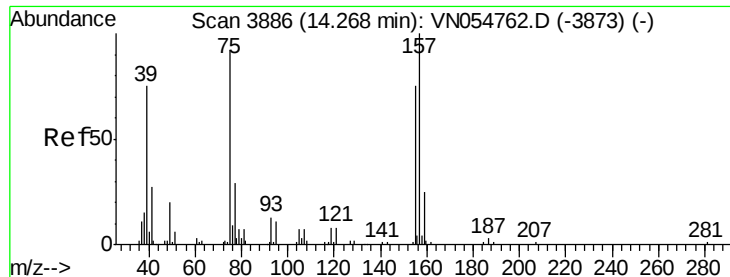
201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): VN054807.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN054807.D (-3763) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.938 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.01 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

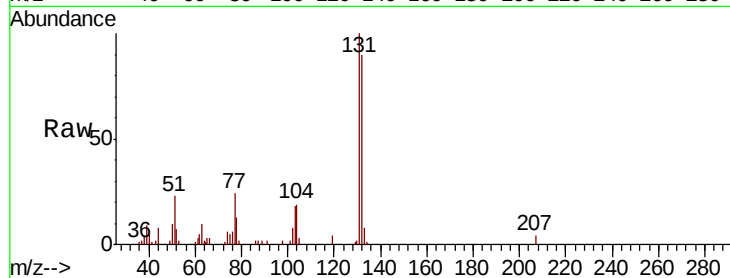
Tot Ion: 75 Resp: 1659

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

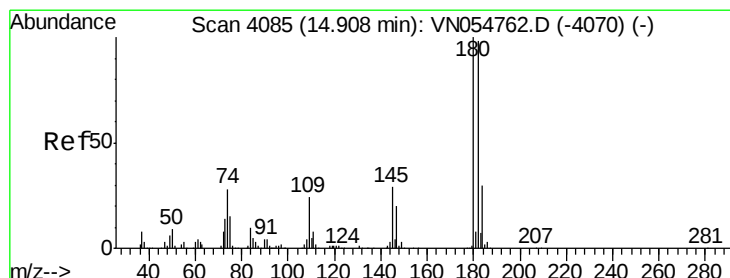
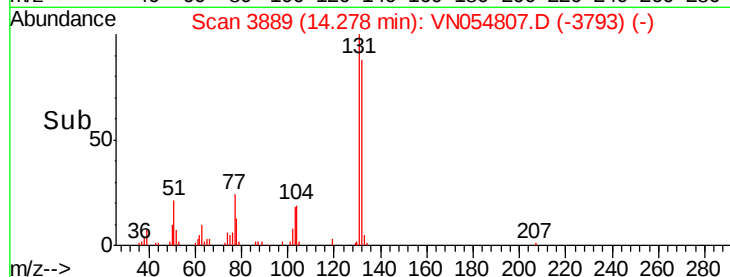
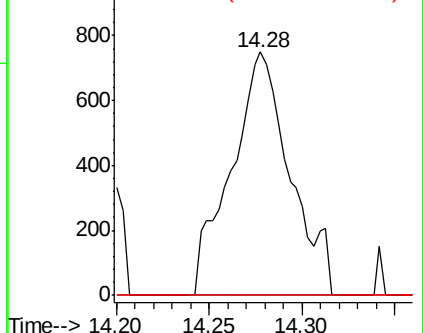
157 0.0 63.1 189.3#



Abundance Ion 74.90 (74.60 to 75.60): VN054807.D (-3992) (-)

Ion 154.80 (154.50 to 155.50): VN054807.D (-3992) (-)

Ion 156.80 (156.50 to 157.50): VN054807.D (-3992) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.591 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

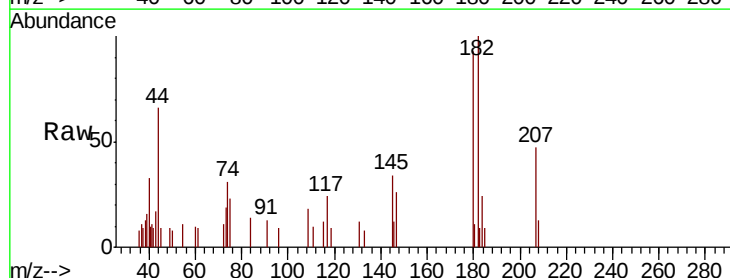
Tgt Ion: 180 Resp: 2908

Ion Ratio Lower Upper

180 100

182 101.4 48.0 144.2

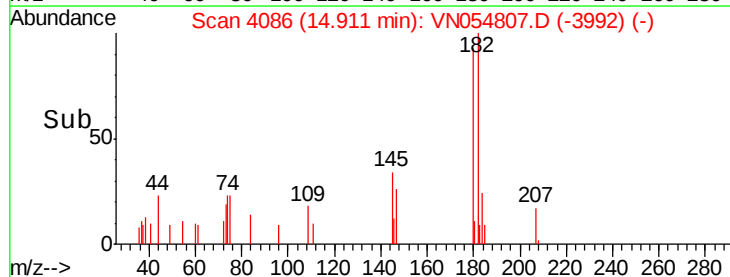
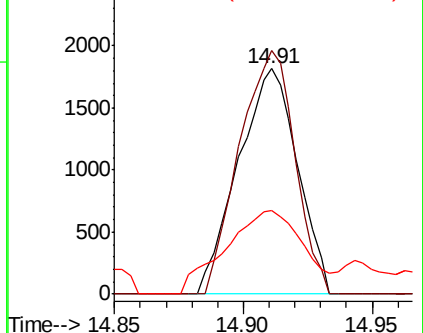
145 48.5 14.2 42.8#

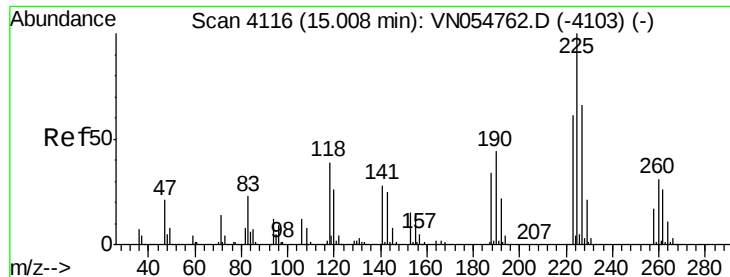


Abundance Ion 179.80 (179.50 to 180.50): VN054807.D (-3992) (-)

Ion 181.80 (181.50 to 182.50): VN054807.D (-3992) (-)

Ion 144.80 (144.50 to 145.50): VN054807.D (-3992) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

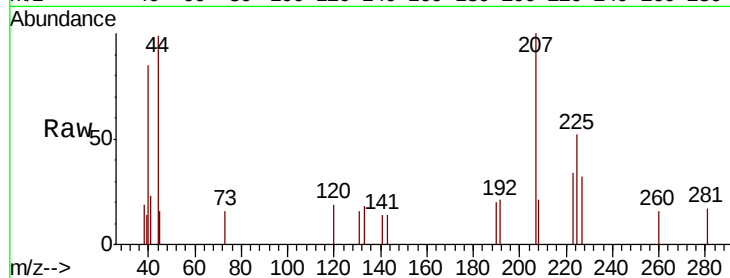
Tot Ion:225 Resp: 733

Ion Ratio Lower Upper

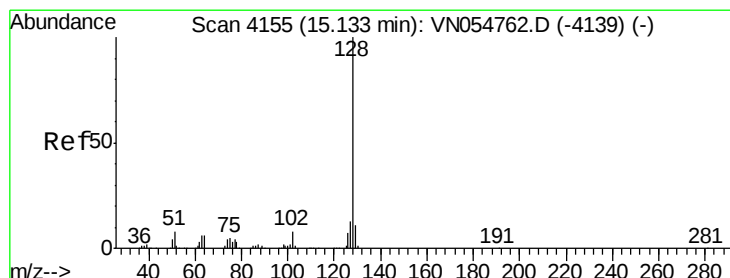
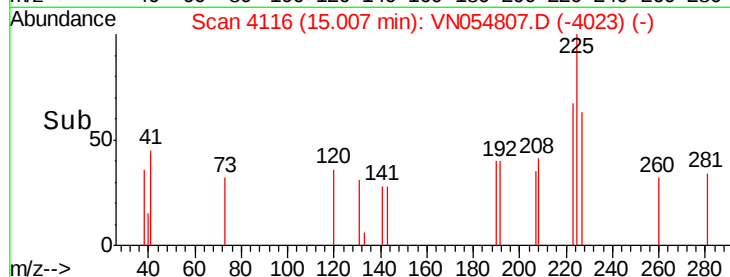
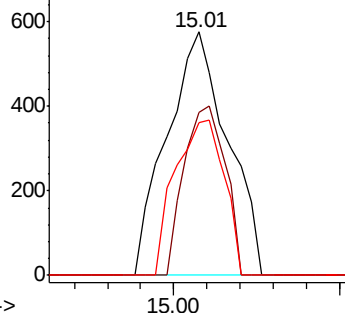
225 100

223 47.1 31.1 93.5

227 51.3 31.9 95.9



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: 235.426 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

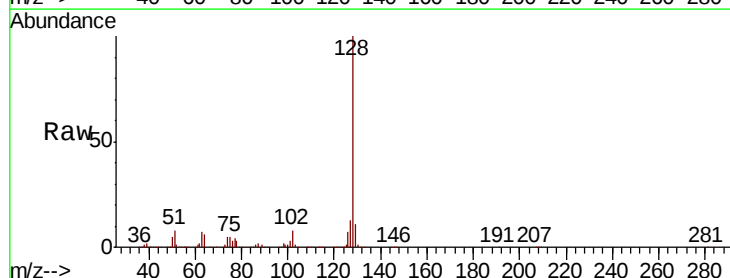
Tgt Ion:128 Resp: 2599311

Ion Ratio Lower Upper

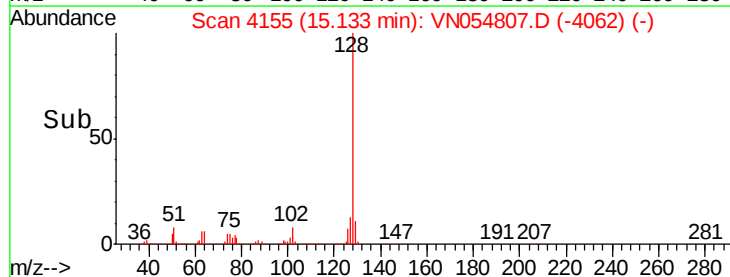
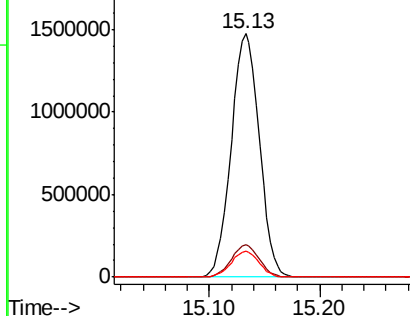
128 100

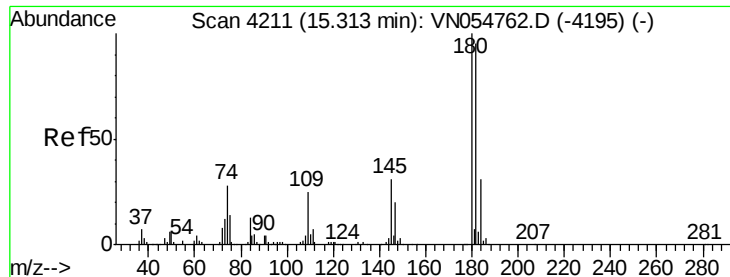
127 13.0 10.1 15.1

129 10.7 8.7 13.1



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: 0.700 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

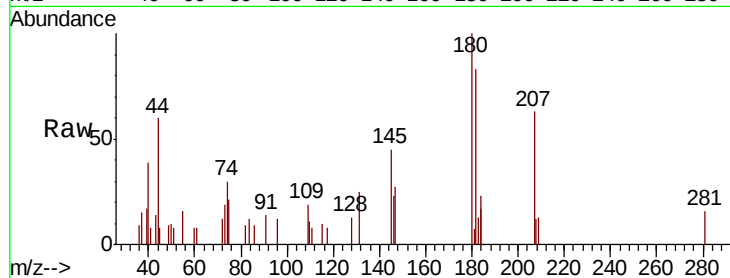
Tot Ion:180 Resp: 3480

Ion Ratio Lower Upper

180 100

182 102.4 47.5 142.6

145 35.7 14.8 44.3



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

