

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061466.D
 Acq On : 19 May 2020 7:43
 Operator : JC/MD
 Sample : L2645-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: May 19 08:07:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	276180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	511946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	494486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	216414	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	193879	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
35) Dibromofluoromethane	7.55	113	148272	55.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.58%	
50) Toluene-d8	10.06	98	631580	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.38	95	244477	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
5) Bromomethane	2.55	94	657	Below Cal	#	8
11) Tert butyl alcohol	4.73	59	2437996	5133.355	ug/l	99
13) Acrolein	3.76	56	7641	3.551	ug/l #	46
14) Allyl chloride	4.48	41	85787	18.621	ug/l #	58
15) Acrylonitrile	4.99	53	12623	8.971	ug/l #	26
16) Acetone	3.76	43	24684	12.541	ug/l #	59
17) Carbon Disulfide	4.01	76	699	Below Cal	#	75
18) Methyl Acetate	4.48	43	200576	71.415	ug/l #	49
19) Methyl tert-butyl Ether	4.99	73	997549	92.856	ug/l #	87
22) Diisopropyl ether	5.90	45	43534	4.205	ug/l	90
23) Vinyl Acetate	5.90	43	22386	2.719	ug/l #	70
25) 2-Butanone	6.77	43	4412	2.351	ug/l #	46
36) 1,1-Dichloropropene	7.63	75	24036	5.021	ug/l #	50
38) Carbon Tetrachloride	7.63	117	30065	6.821	ug/l #	16
39) Methylcyclohexane	9.01	83	2849	0.487	ug/l #	30
40) Benzene	8.00	78	63784	4.421	ug/l	99
41) Methacrylonitrile	7.12	41	486	0.265	ug/l #	31
42) 1,2-Dichloroethane	8.09	62	1936	0.372	ug/l #	75
43) Isopropyl Acetate	8.09	43	114775	15.159	ug/l #	54
48) Methyl methacrylate	9.18	41	2140	0.612	ug/l #	16
51) 4-Methyl-2-Pentanone	9.86	43	15105	3.662	ug/l #	62
55) 1,1,2-Trichloroethane	10.50	97	7655	2.186	ug/l #	20
56) Ethyl methacrylate	10.40	69	1127	0.206	ug/l #	10
59) 2-Hexanone	10.58	43	1819	0.610	ug/l	96
67) Ethyl Benzene	11.48	91	69163	3.757	ug/l	100
68) m/p-Xylenes	11.60	106	8399	1.202	ug/l	98
69) o-Xylene	11.92	106	3552	0.525	ug/l	96
71) Bromoform	12.38	173	1364	2.486	ug/l #	1
73) Isopropylbenzene	12.22	105	28907	1.664	ug/l	100
76) 1,2,3-Trichloropropane	12.38	75	128913	27.761	ug/l #	100
78) n-propylbenzene	12.57	91	65312	3.299	ug/l	100
79) 2-Chlorotoluene	12.57	91	65312	5.582	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.71	105	4328	0.304	ug/l	86
81) trans-1,4-Dichloro-2-buten	12.38	75	128913	73.643	ug/l #	12

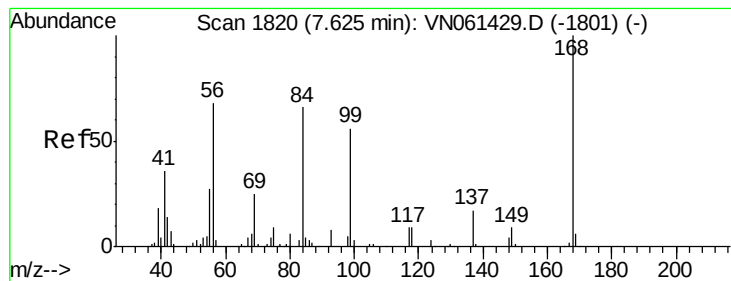
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
Data File : VN061466.D
Acq On : 19 May 2020 7:43
Operator : JC/MD
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Quant Time: May 19 08:07:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.86	91	4998	0.413	ug/l #	43
84) 1,2,4-Trimethylbenzene	13.02	105	28796	2.023	ug/l	97
85) sec-Butylbenzene	13.15	105	10782	0.654	ug/l	99
86) p-Isopropyltoluene	13.21	119	4806	0.328	ug/l	95
89) n-Butylbenzene	13.57	91	9641	0.725	ug/l #	1
90) Hexachloroethane	13.86	117	1174	0.592	ug/l #	17
95) Naphthalene	15.11	128	47185	4.135	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

Instrument :

MSVOA_N

ClientSampled :

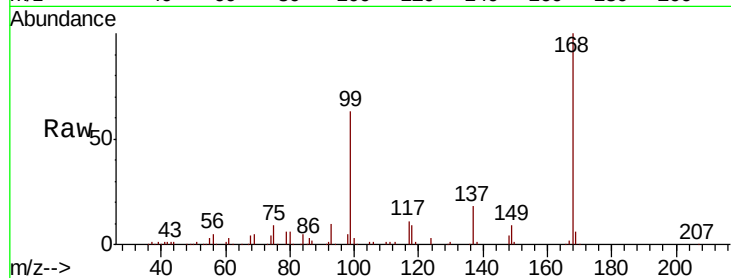
MW-4

Tot Ion:168 Resp: 276180

Ion Ratio Lower Upper

168 100

99 63.2 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

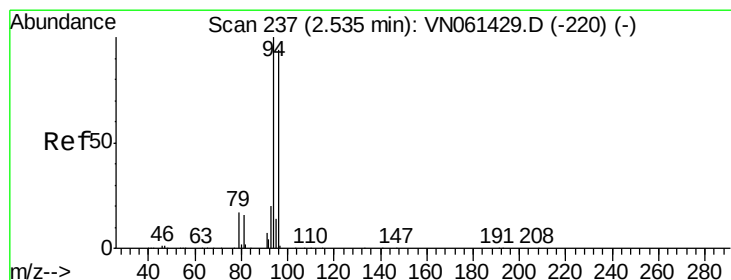
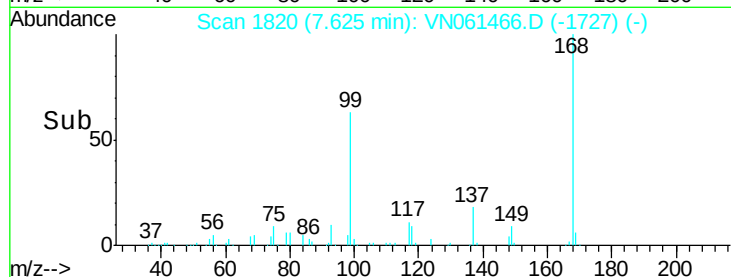
7.63

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN061466.D

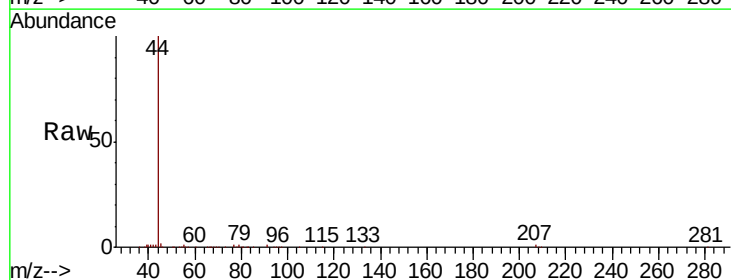
Acq: 19 May 2020 7:43

Tgt Ion: 94 Resp: 657

Ion Ratio Lower Upper

94 100

96 5.4 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.55

400

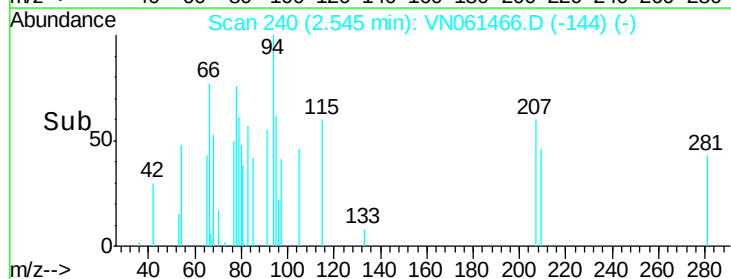
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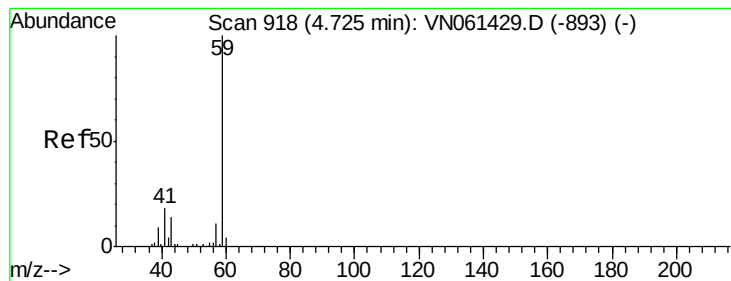
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100

0

Time-->



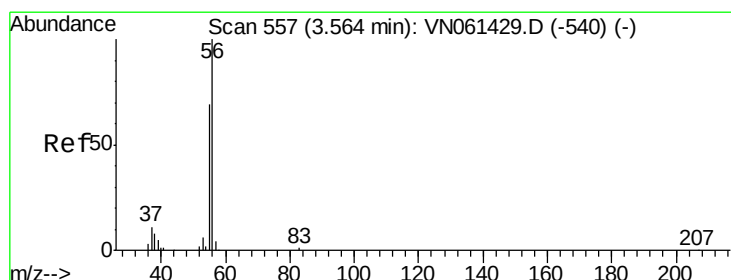
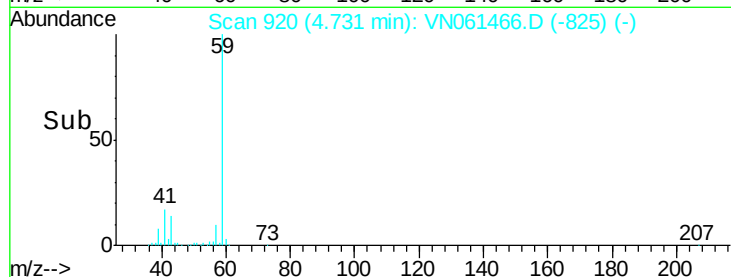
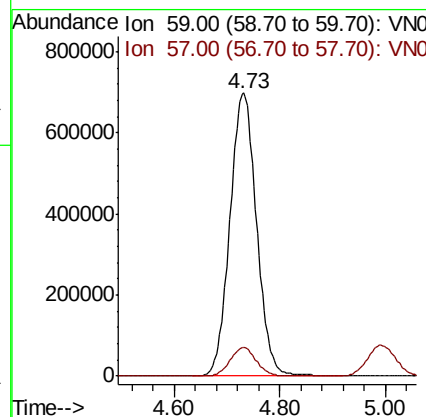
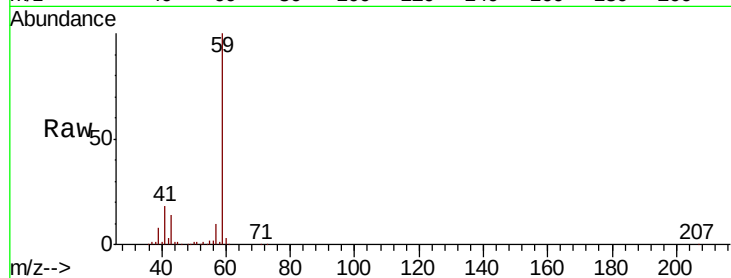


#11

Tert butyl alcohol
 Concen: 5133.355 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VN061466.D
 Acq: 19 May 2020 7:43

Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

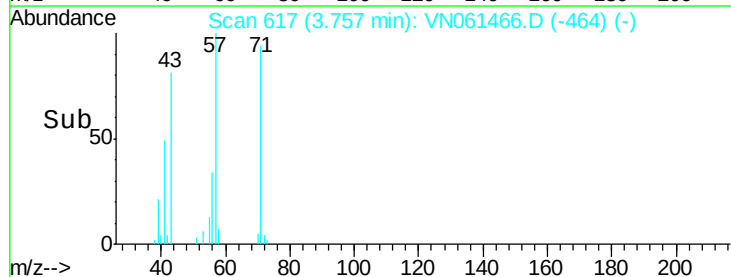
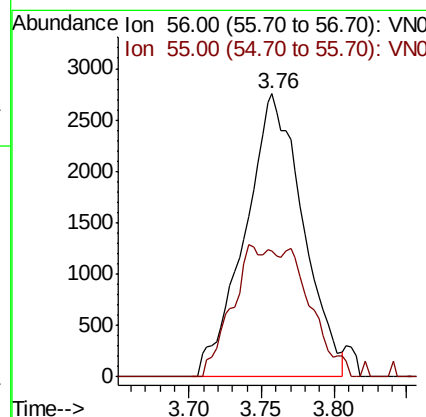
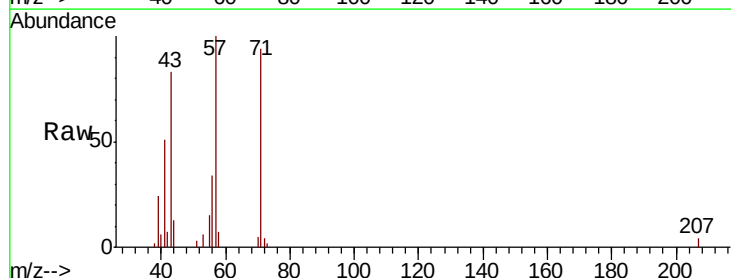
Tot Ion: 59 Resp: 2437996
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.2

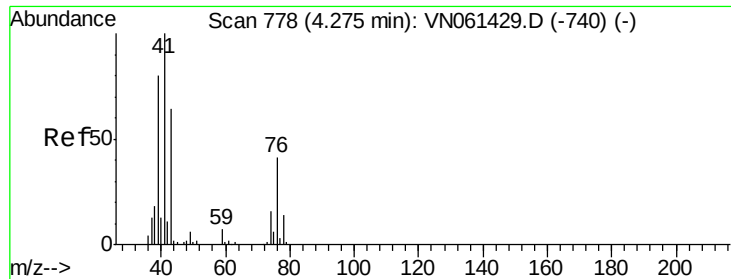


#13

Acrolein
 Concen: 3.551 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.19 min
 Lab File: VN061466.D
 Acq: 19 May 2020 7:43

Tgt Ion: 56 Resp: 7641
 Ion Ratio Lower Upper
 56 100
 55 24.9 54.8 82.2#

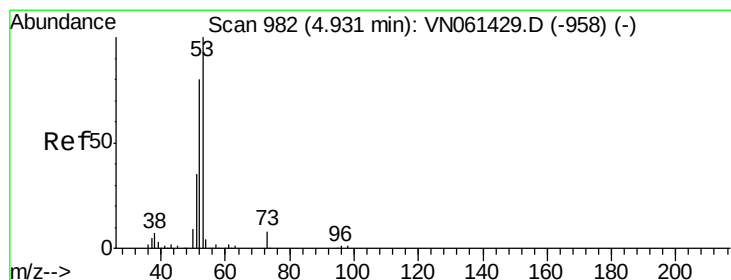
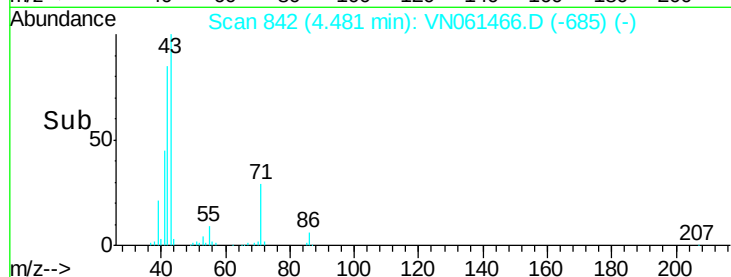
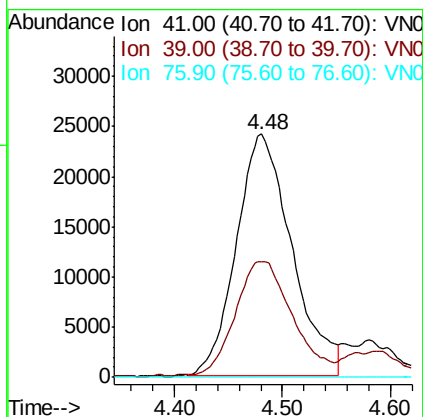
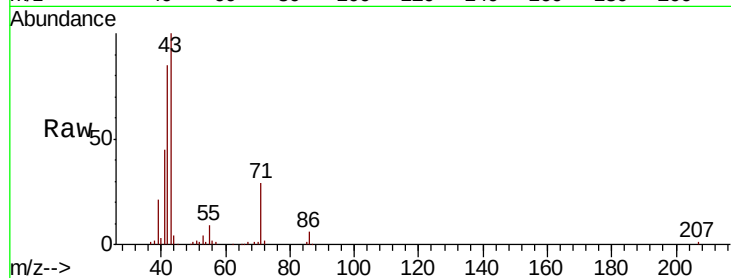




#14
 Allvl chloride
 Concen: 18.621 ug/l
 RT: 4.48 min Scan# 842
 Delta R.T. 0.21 min
 Lab File: VN061466.D
 Acq: 19 May 2020 7:43

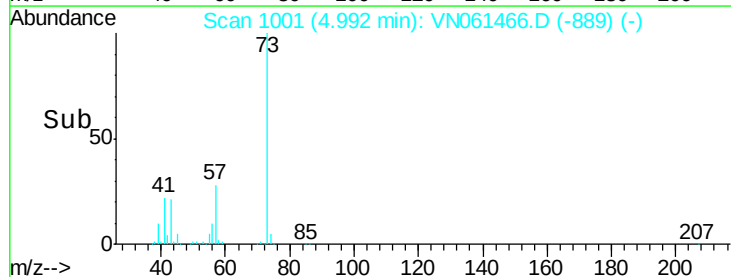
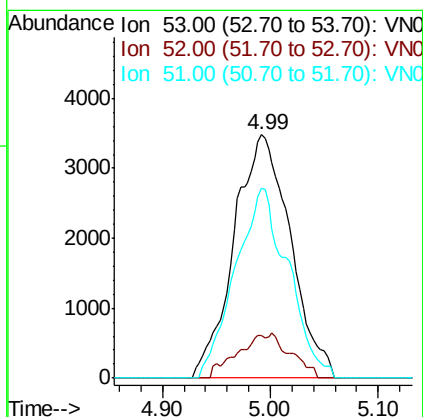
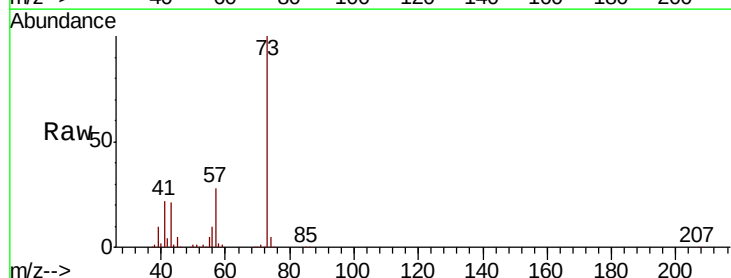
Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

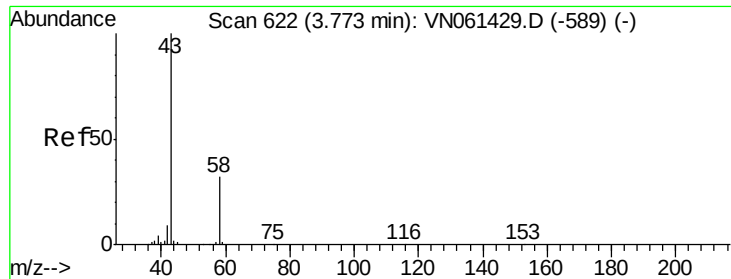
Tot Ion: 41 Resp: 85787
 Ion Ratio Lower Upper
 41 100
 39 48.6 61.2 91.8#
 76 0.0 29.9 44.9#



#15
 Acrylonitrile
 Concen: 8.971 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.06 min
 Lab File: VN061466.D
 Acq: 19 May 2020 7:43

Tgt Ion: 53 Resp: 12623
 Ion Ratio Lower Upper
 53 100
 52 9.3 64.7 97.1#
 51 72.9 29.5 44.3#

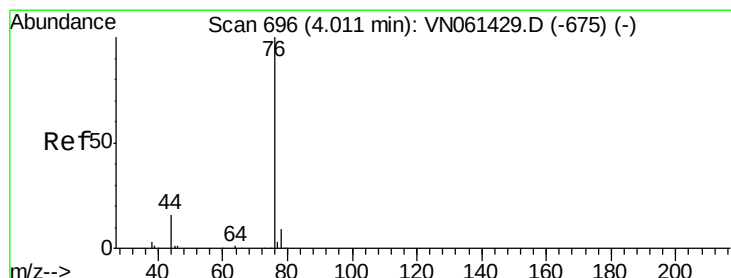
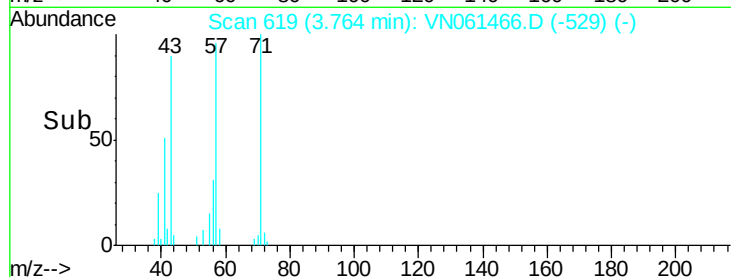
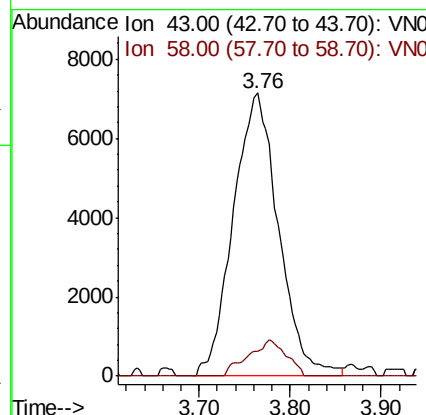
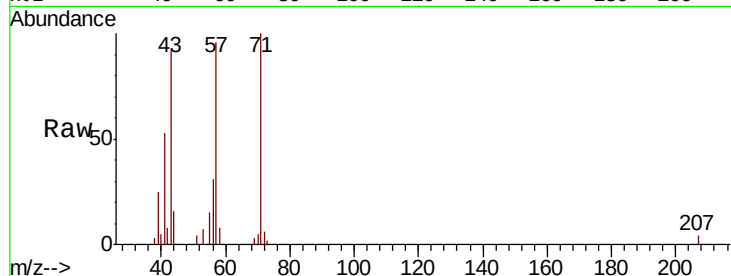




#16
Acetone
Concen: 12.541 ug/l
RT: 3.76 min Scan# 619
Delta R.T. -0.01 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

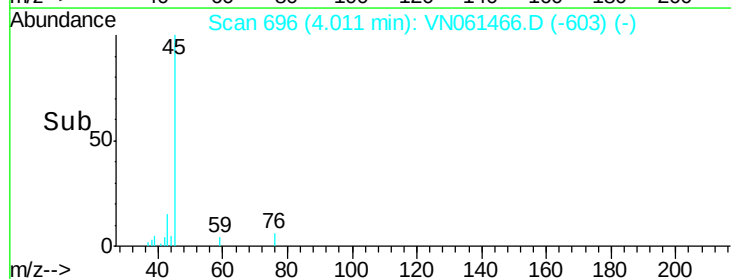
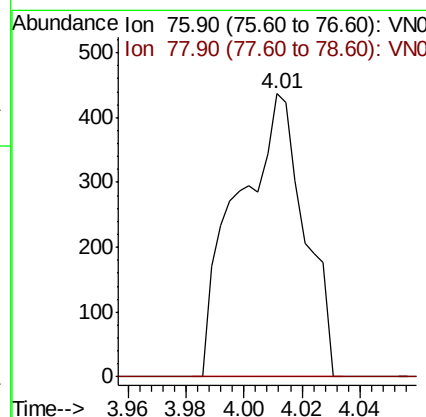
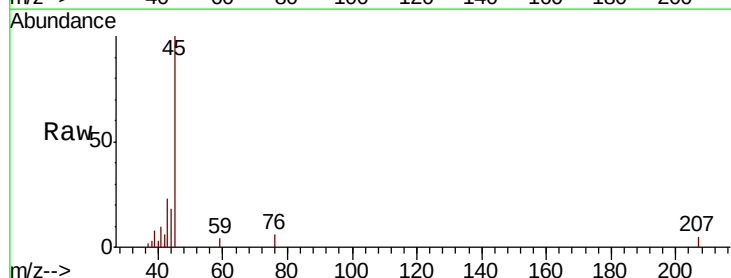
Instrument :
MSVOA_N
ClientSampled :
MW-4

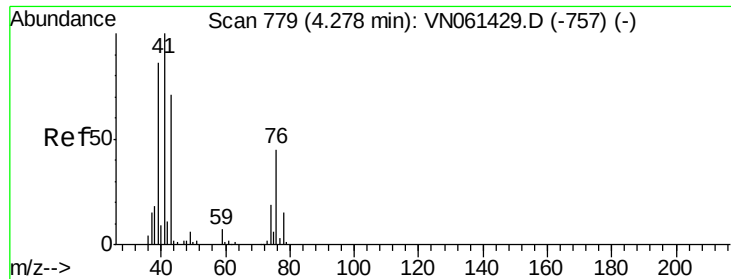
Tot Ion: 43 Resp: 24684
Ion Ratio Lower Upper
43 100
58 8.9 25.6 38.4#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Tgt Ion: 76 Resp: 699
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

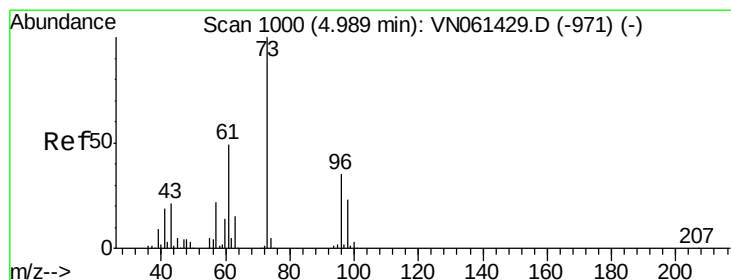
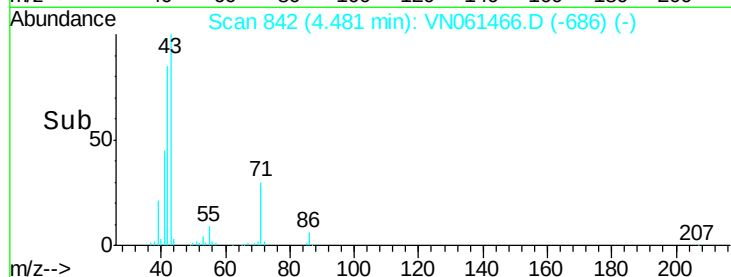
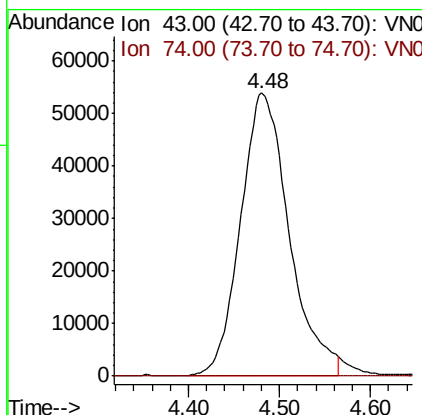
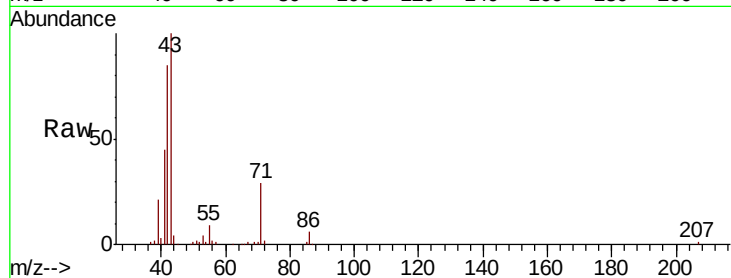




#18
Methyl Acetate
Concen: 71.415 ug/l
RT: 4.48 min Scan# 842
Delta R.T. 0.20 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

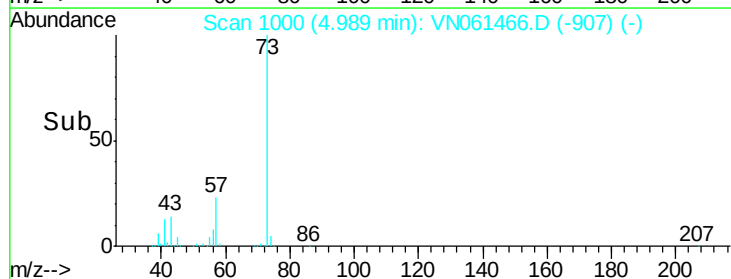
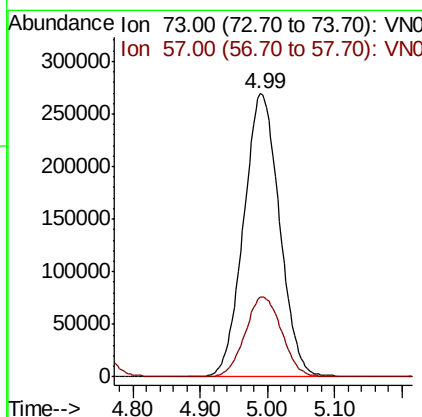
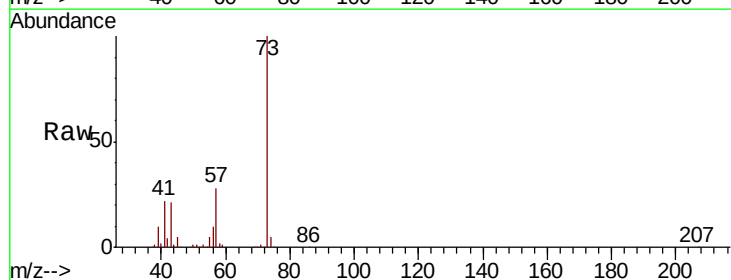
Instrument :
MSVOA_N
ClientSampled :
MW-4

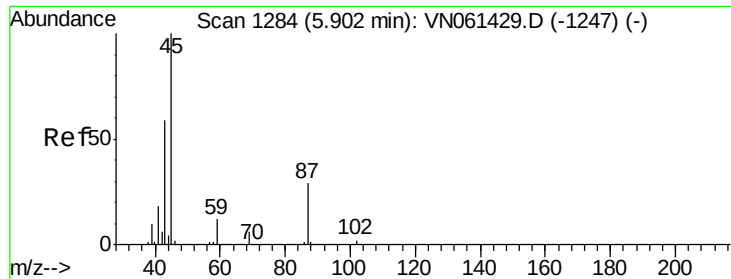
Tot Ion: 43 Resp: 200576
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#19
Methyl tert-butyl Ether
Concen: 92.856 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Tgt Ion: 73 Resp: 997549
Ion Ratio Lower Upper
73 100
57 28.0 17.4 26.0#

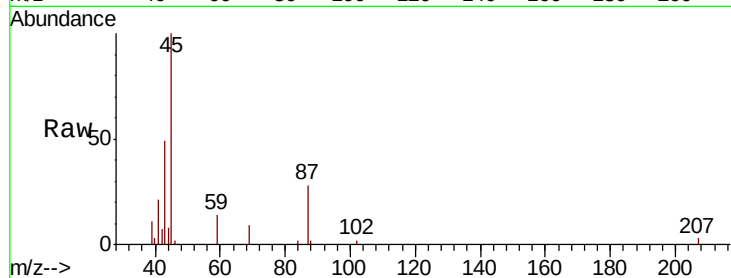




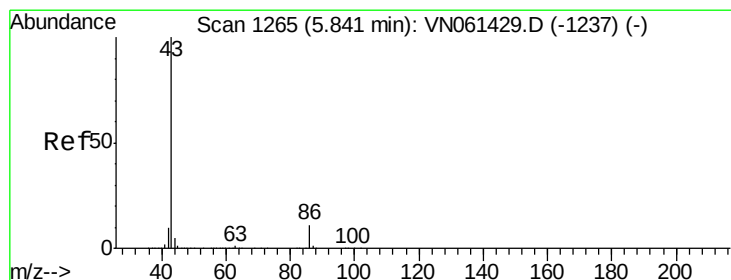
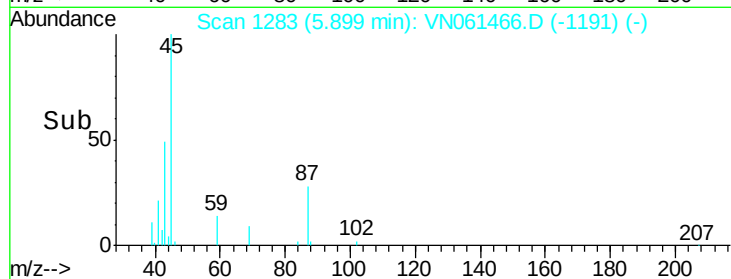
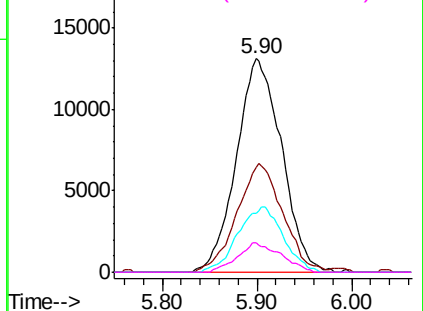
#22
Diisopropyl ether
Concen: 4.205 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tot Ion:	45	Resp:	43534
Ion	Ratio	Lower	Upper
45	100		
43	49.4	47.9	71.9
87	27.9	24.0	36.0
59	13.9	9.7	14.5

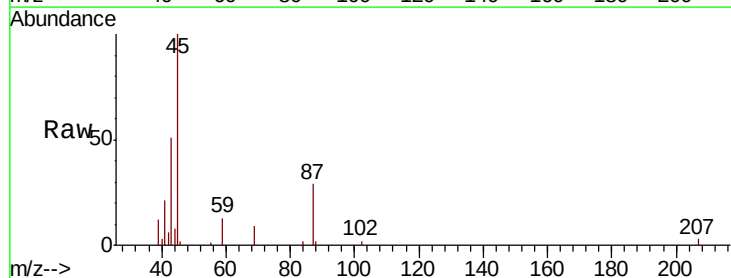


Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

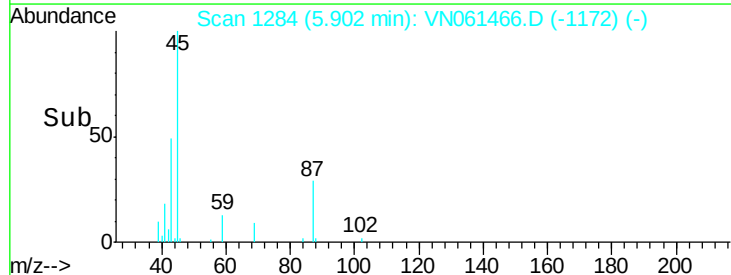
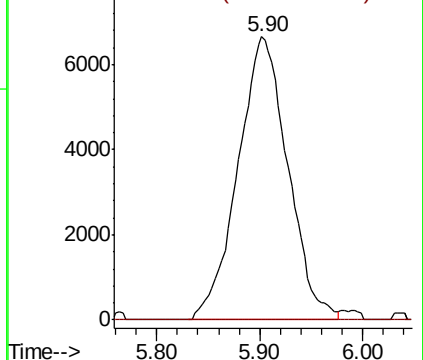


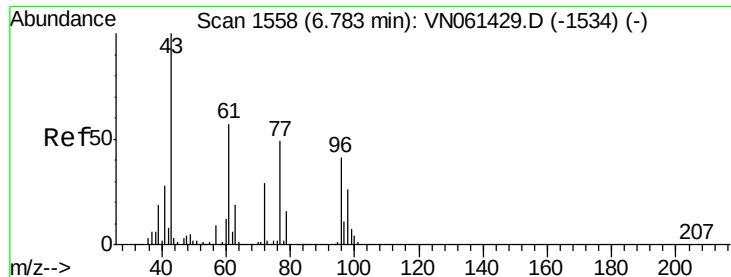
#23
Vinyl Acetate
Concen: 2.719 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.06 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Tgt Ion:	43	Resp:	22386
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

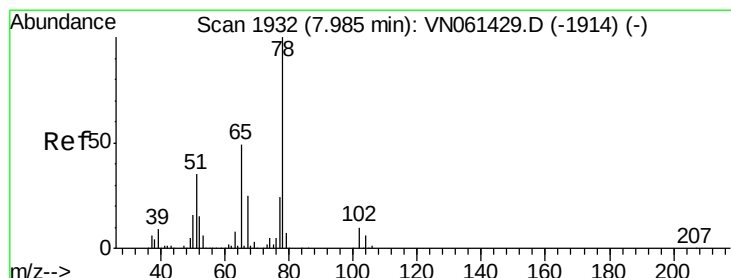
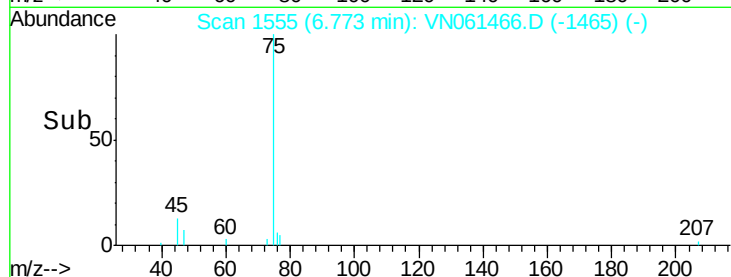
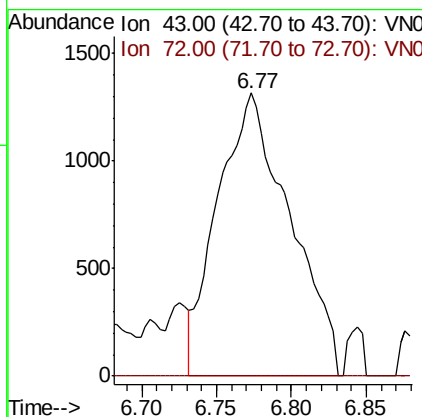
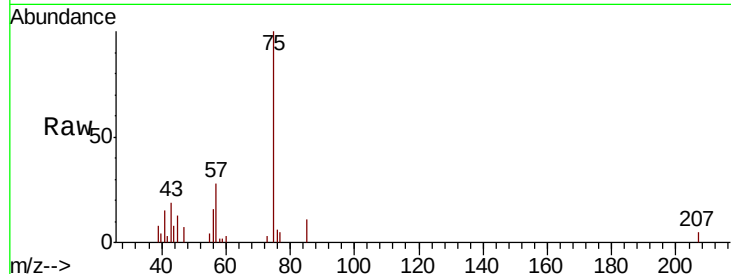




#25
 2-Butanone
 Concen: 2.351 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: VN061466.D
 Acq: 19 May 2020 7:43

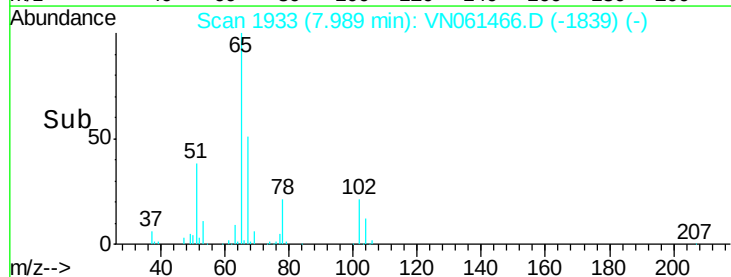
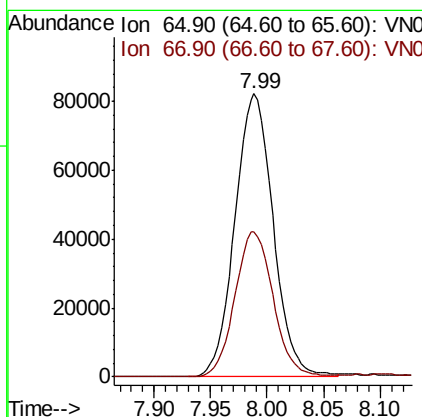
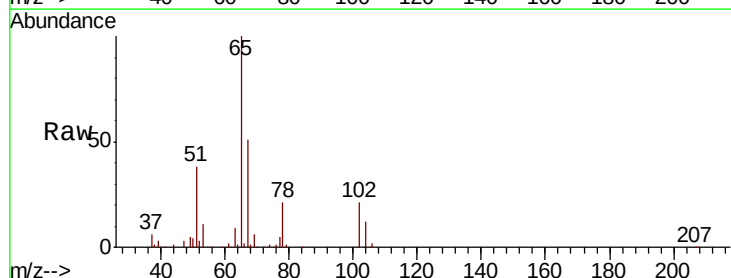
Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

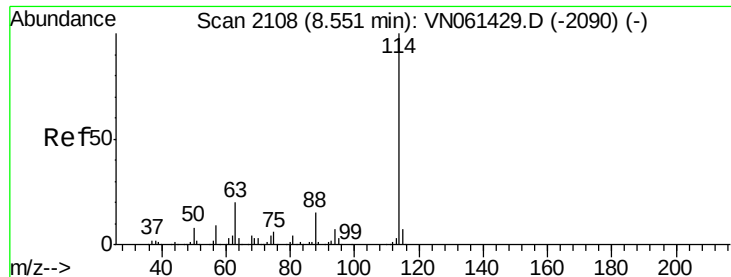
Tot Ion: 43 Resp: 4412
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.0 34.6#



#33
 1,2-Dichloroethane-d4
 Concen: 47.037 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061466.D
 Acq: 19 May 2020 7:43

Tgt Ion: 65 Resp: 193879
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.4

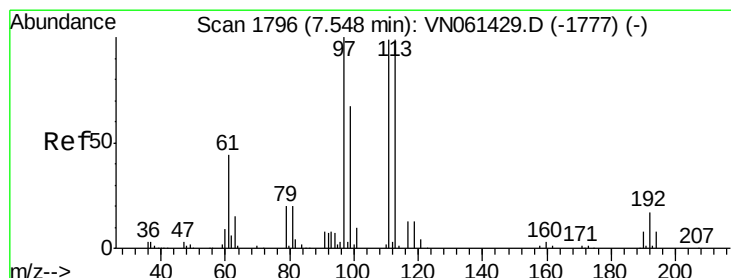
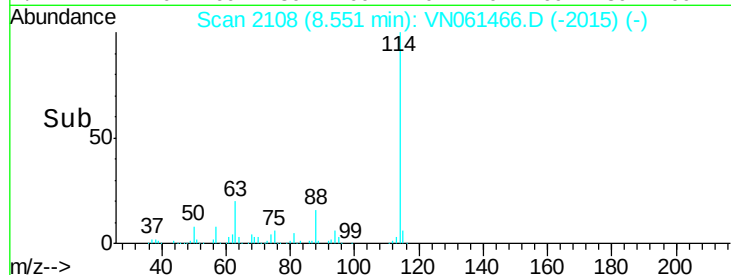
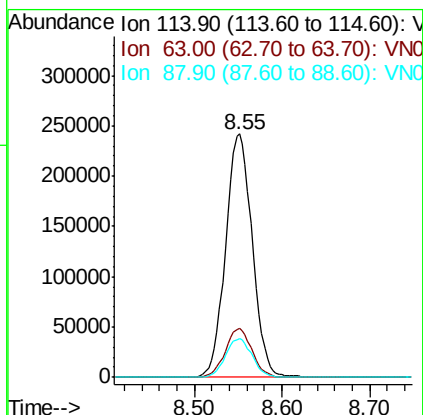
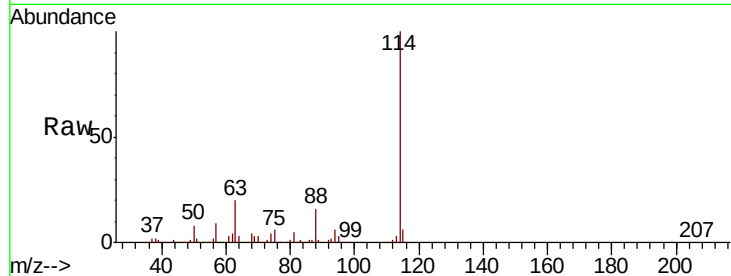




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061466.D
 Acq: 19 May 2020 7:43

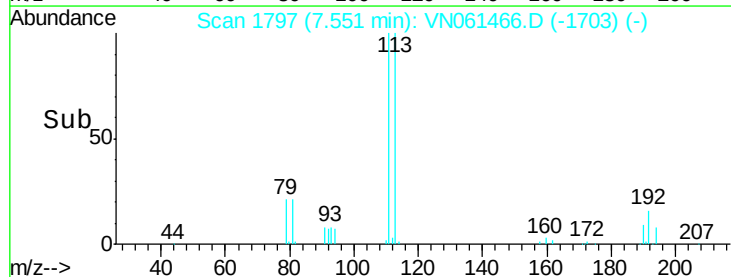
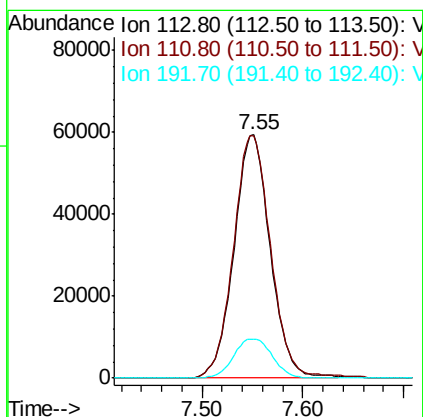
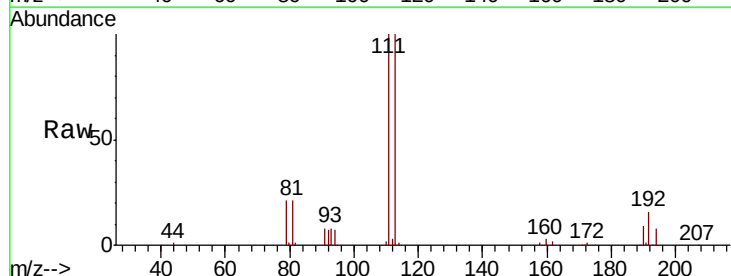
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

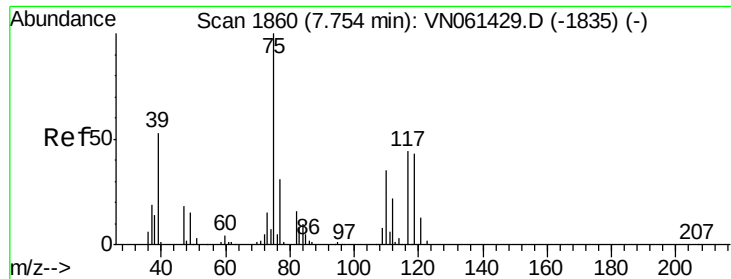
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.8
88	15.8	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 55.285 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061466.D
 Acq: 19 May 2020 7:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.6	121.0
192	17.1	13.2	19.8





#36

1,1-Dichloropropene

Concen: 5.021 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

Instrument :

MSVOA_N

ClientSampled :

MW-4

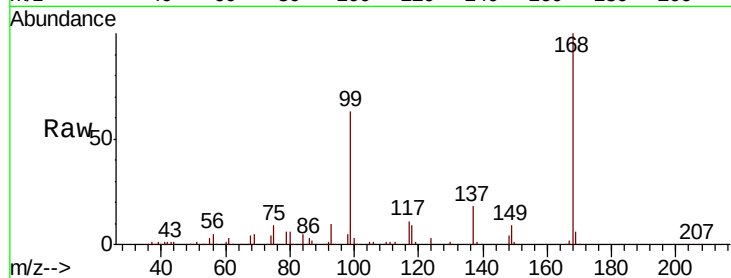
Tot Ion: 75 Resp: 24036

Ion Ratio Lower Upper

75 100

110 8.8 17.3 51.9#

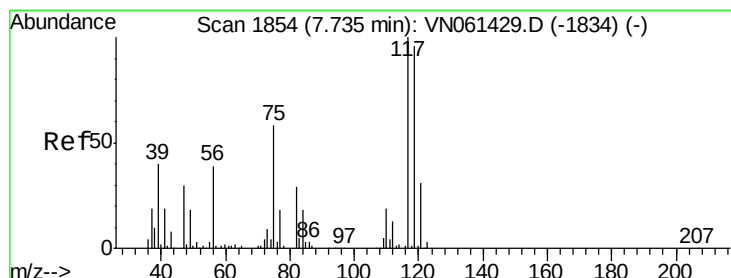
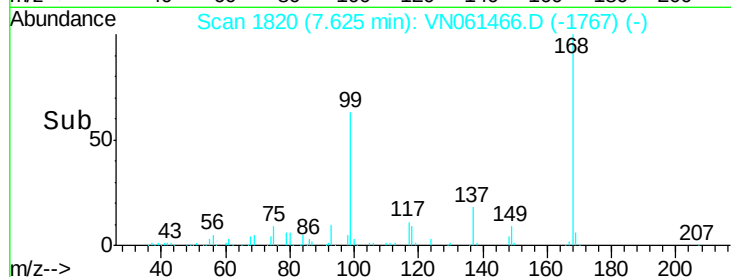
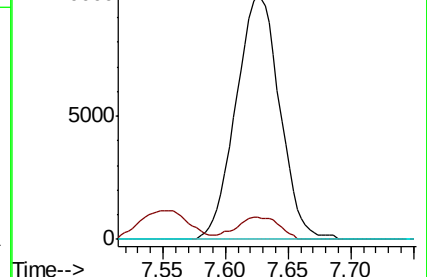
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-1835) (-)

Ion 109.90 (109.60 to 110.60): VN061429.D (-1835) (-)

Ion 76.90 (76.60 to 77.60): VN061429.D (-1835) (-)



#38

Carbon Tetrachloride

Concen: 6.821 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

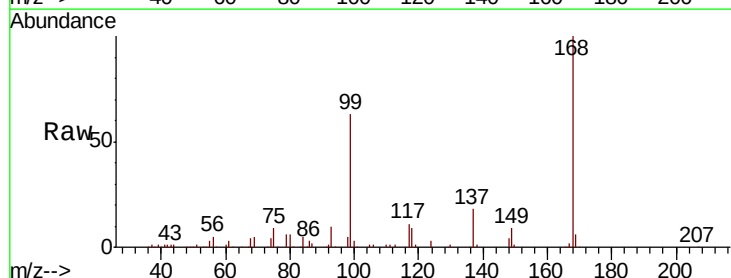
Tgt Ion: 117 Resp: 30065

Ion Ratio Lower Upper

117 100

119 4.8 77.0 115.6#

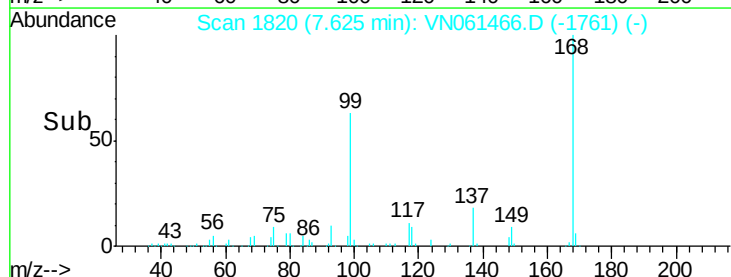
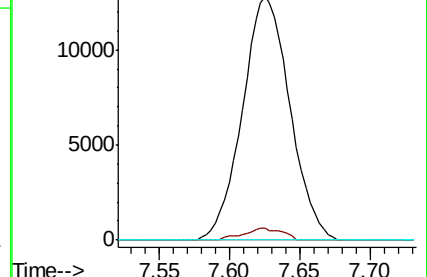
121 0.0 24.7 37.1#

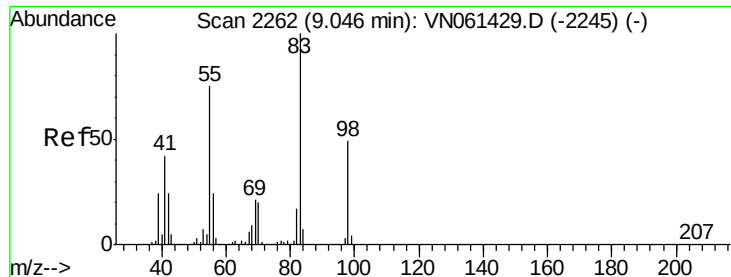


Abundance Ion 116.80 (116.50 to 117.50): VN061429.D (-1834) (-)

Ion 118.80 (118.50 to 119.50): VN061429.D (-1834) (-)

Ion 120.80 (120.50 to 121.50): VN061429.D (-1834) (-)

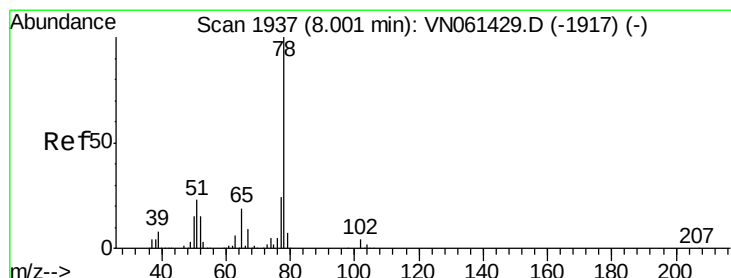
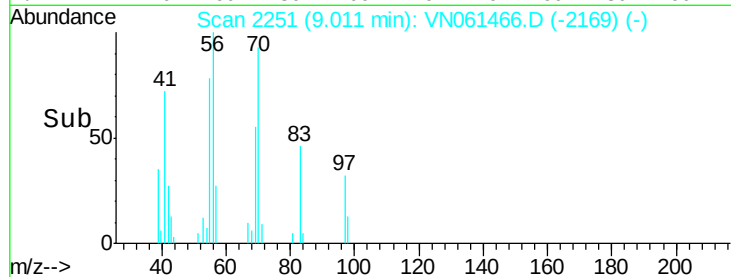
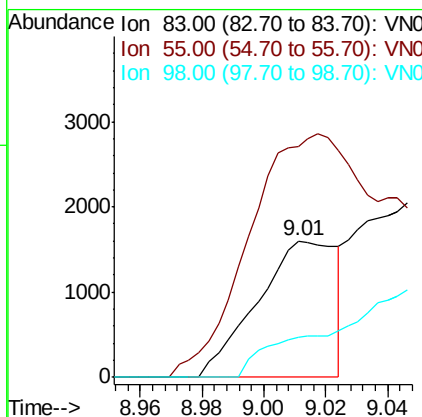
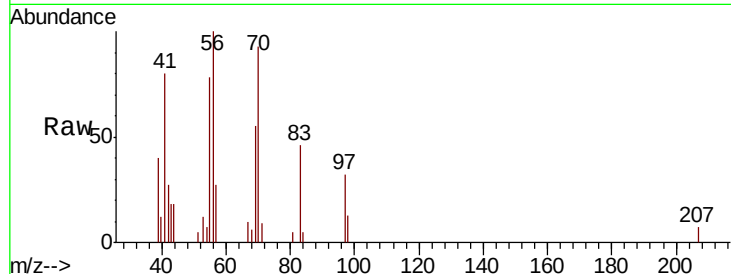




#39
Methylvlcyclohexane
Concen: 0.487 ug/l
RT: 9.01 min Scan# 2251
Delta R.T. -0.04 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

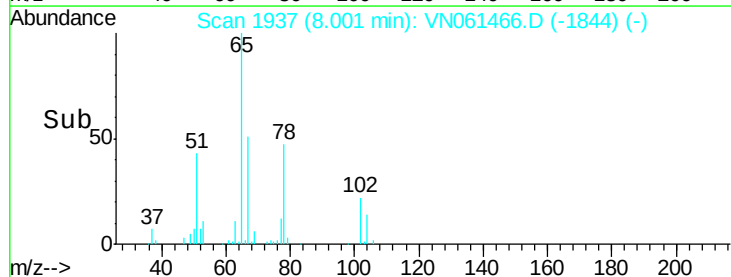
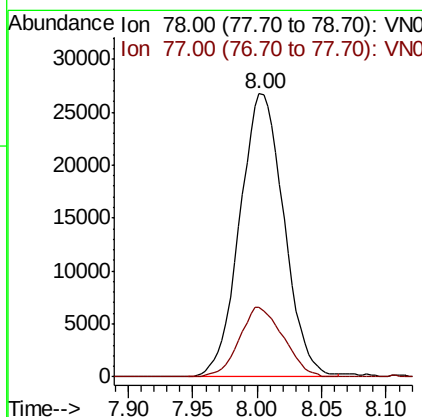
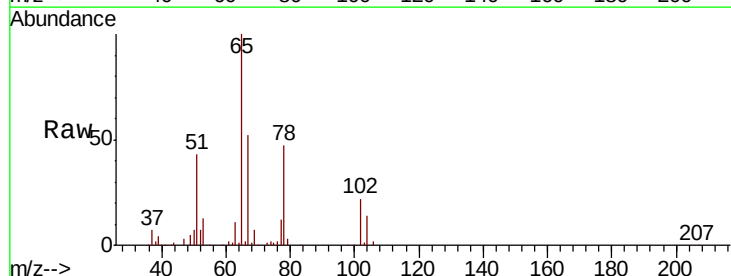
Instrument :
MSVOA_N
ClientSampled :
MW-4

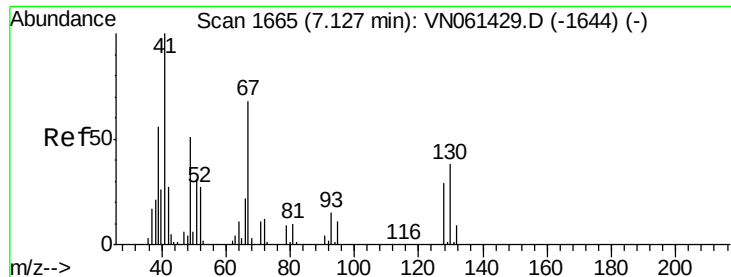
Tot Ion: 83 Resp: 2849
Ion Ratio Lower Upper
83 100
55 157.1 59.7 89.5#
98 29.3 38.9 58.3#



#40
Benzene
Concen: 4.421 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Tgt Ion: 78 Resp: 63784
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7

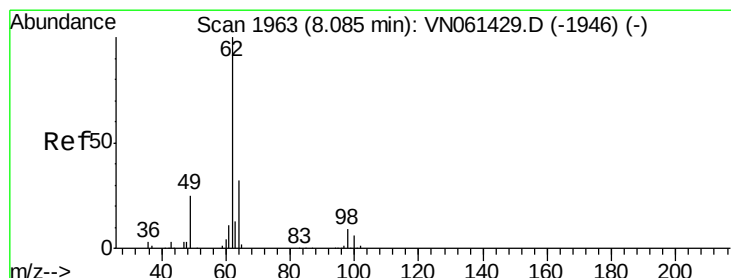
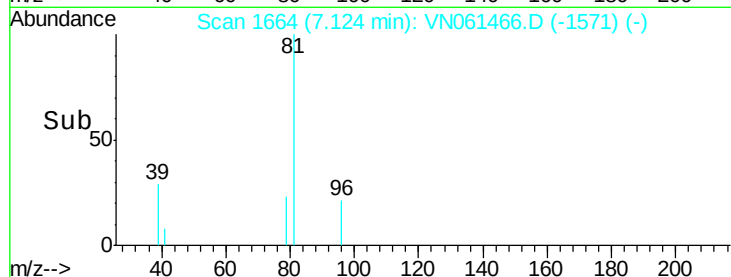
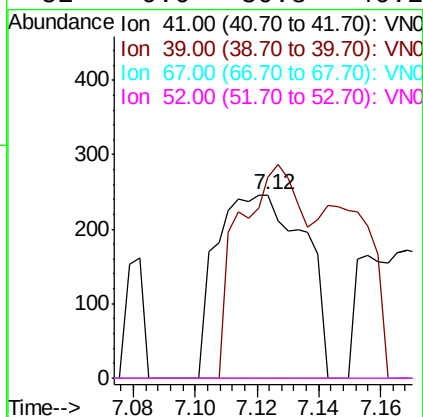
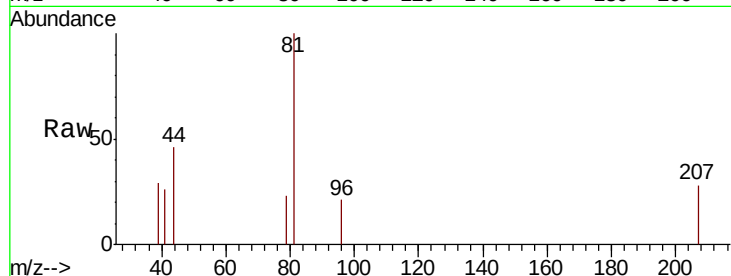




#41
Methacrylonitrile
Concen: 0.265 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

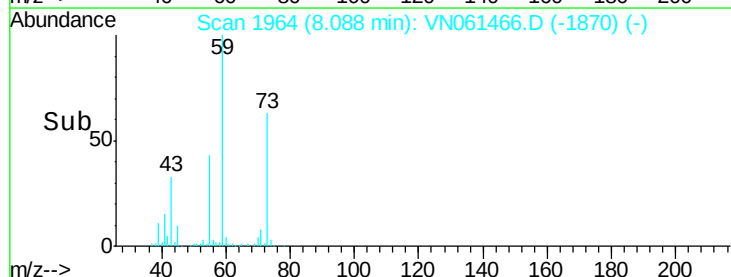
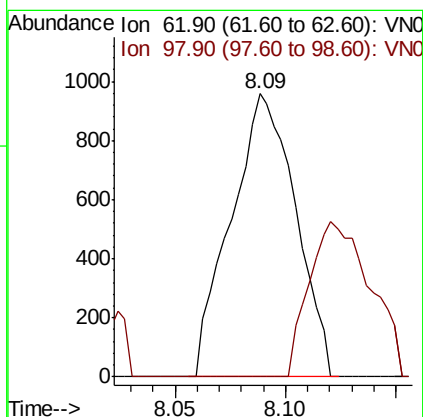
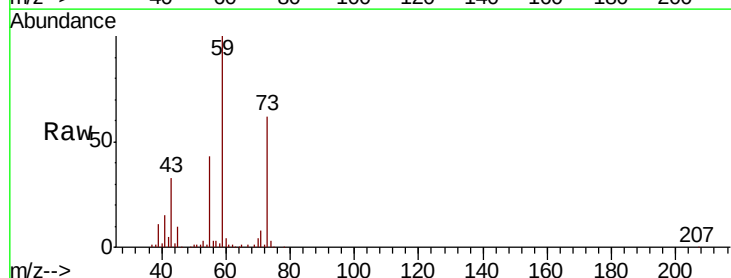
Instrument :
MSVOA_N
ClientSampled :
MW-4

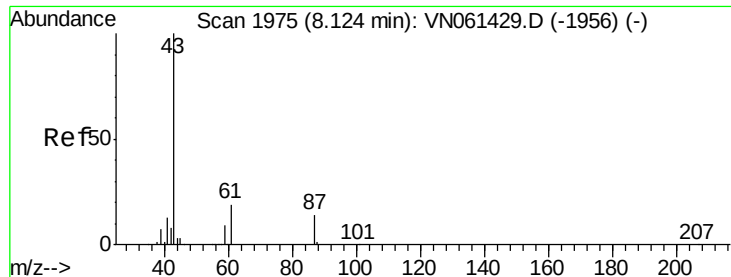
Tot Ion: 41 Resp: 486
Ion Ratio Lower Upper
41 100
39 84.2 48.3 72.5#
67 0.0 74.2 111.4#
52 0.0 30.8 46.2#



#42
1,2-Dichloroethane
Concen: 0.372 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Tgt Ion: 62 Resp: 1936
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 15.159 ug/l

RT: 8.09 min Scan# 1966

Delta R.T. -0.03 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

Instrument :

MSVOA_N

ClientSampled :

MW-4

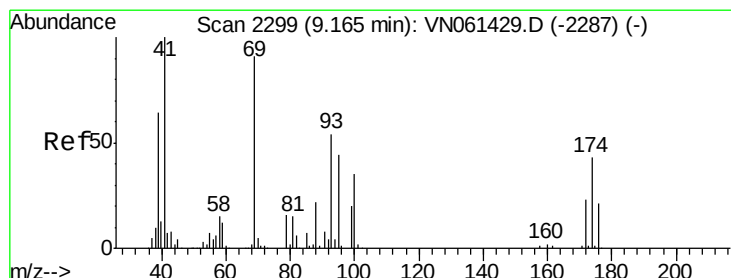
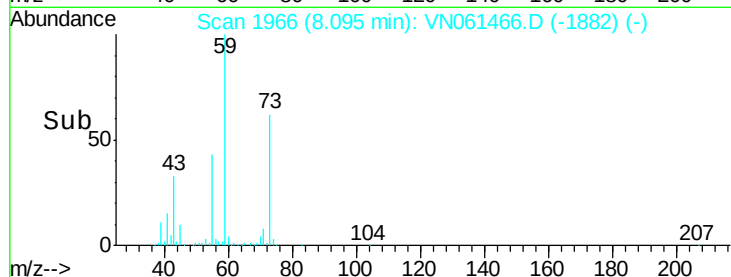
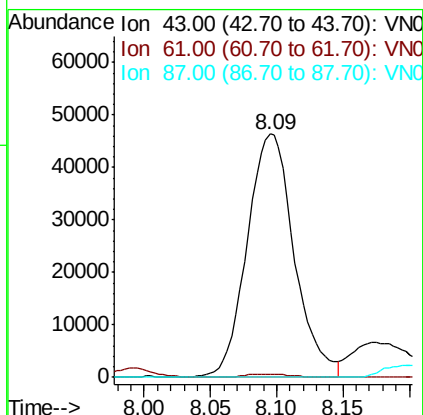
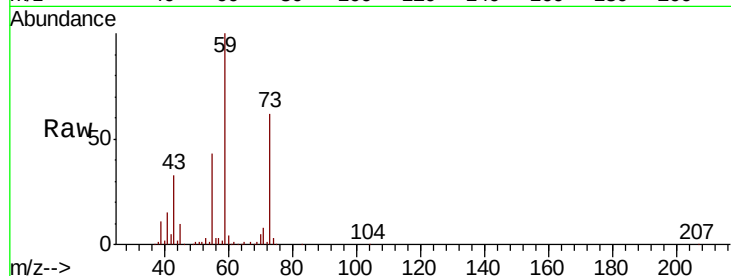
Tot Ion: 43 Resp: 114775

Ion Ratio Lower Upper

43 100

61 1.3 23.0 34.4#

87 0.0 11.6 17.4#



#48

Methyl methacrylate

Concen: 0.612 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.02 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

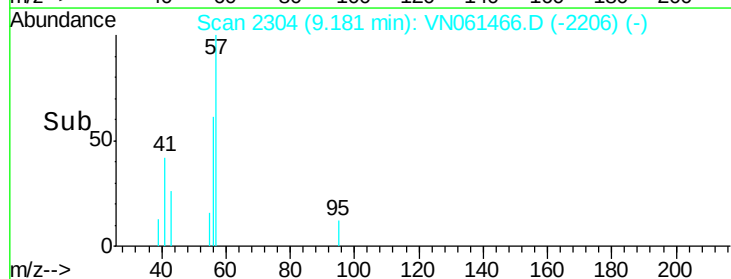
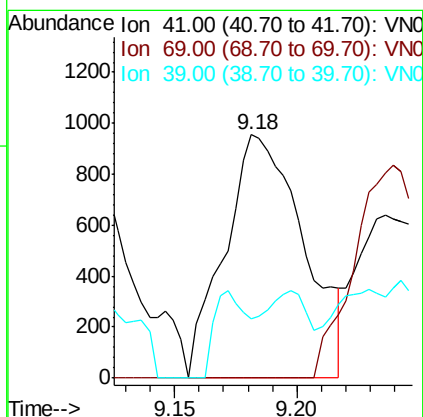
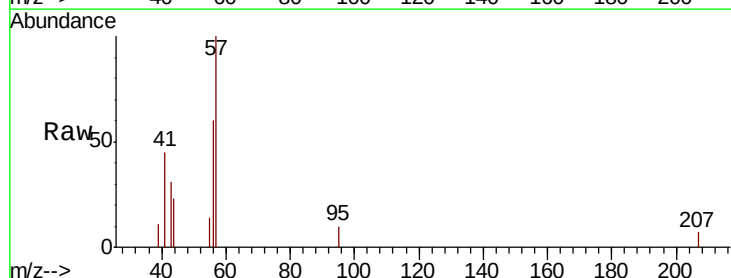
Tgt Ion: 41 Resp: 2140

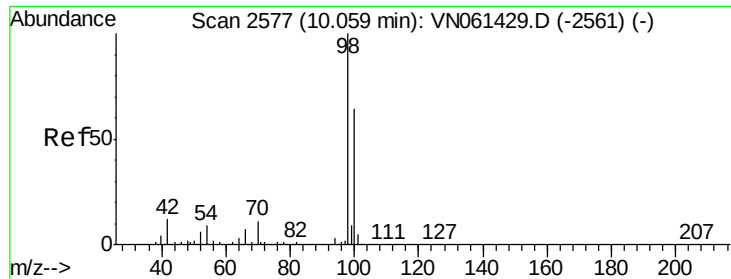
Ion Ratio Lower Upper

41 100

69 0.0 75.3 112.9#

39 15.1 52.6 79.0#





#50

Toluene-d8

Concen: 50.772 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

Instrument :

MSVOA_N

ClientSampleId :

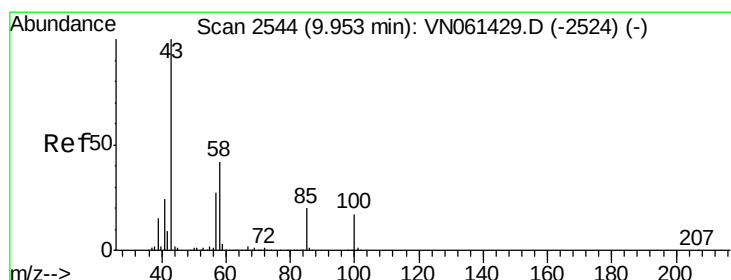
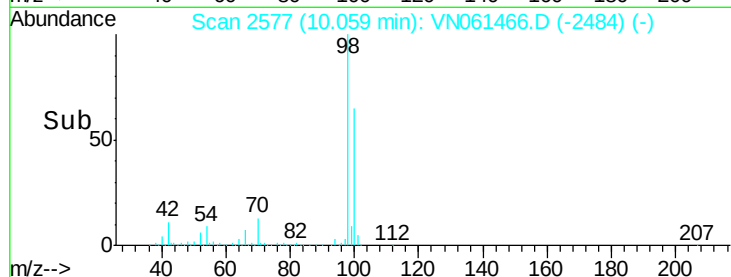
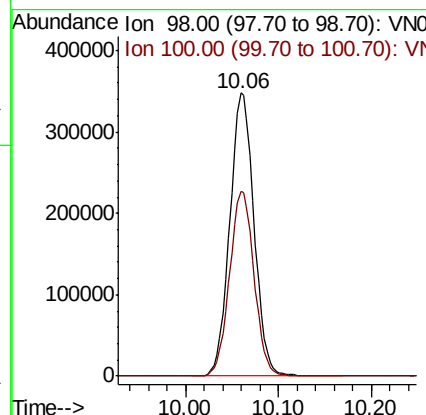
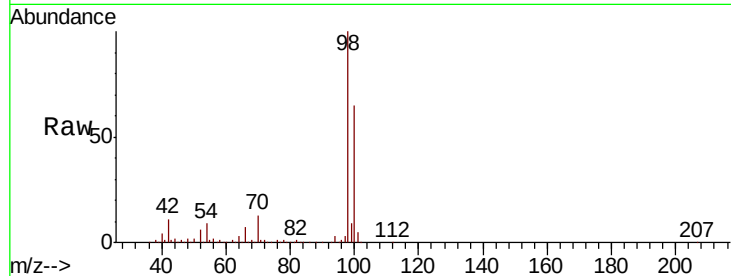
MW-4

Tot Ion: 98 Resp: 631580

Ion Ratio Lower Upper

98 100

100 65.9 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 3.662 ug/l

RT: 9.86 min Scan# 2516

Delta R.T. -0.09 min

Lab File: VN061466.D

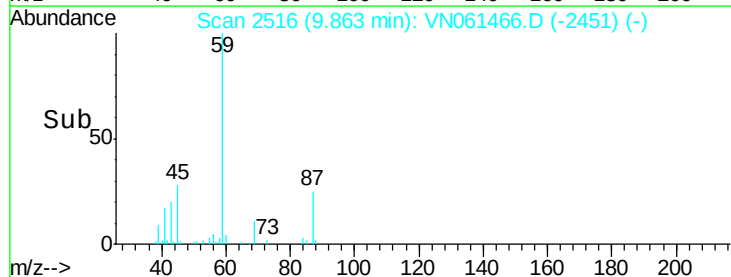
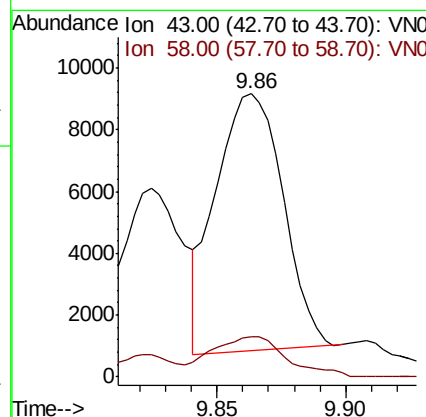
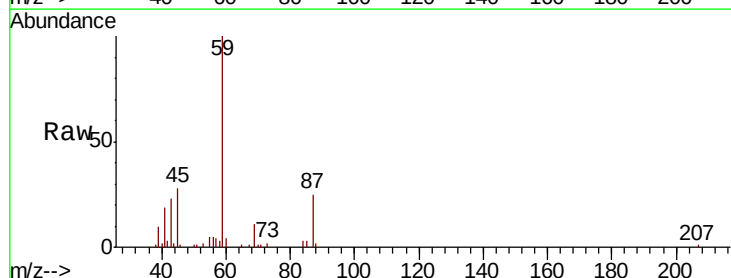
Acq: 19 May 2020 7:43

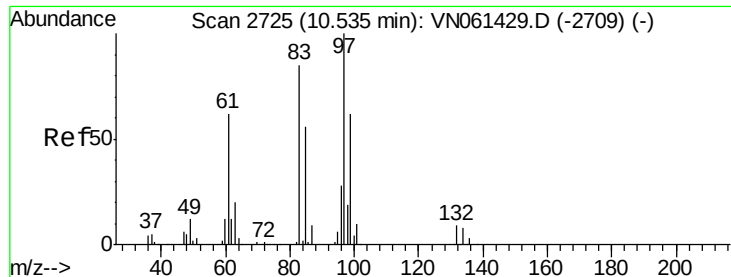
Tgt Ion: 43 Resp: 15105

Ion Ratio Lower Upper

43 100

58 17.5 33.4 50.2#

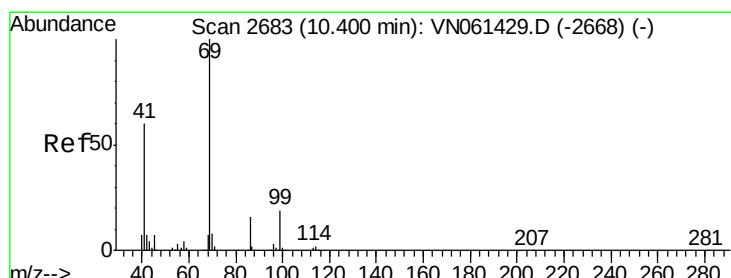
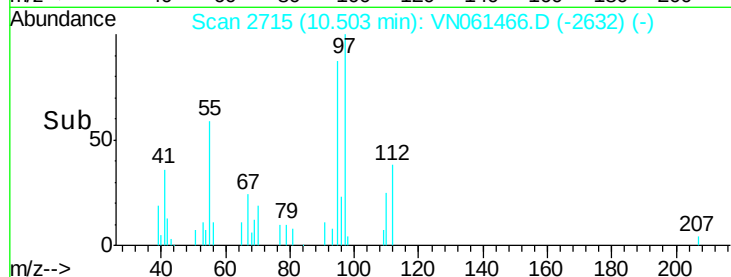
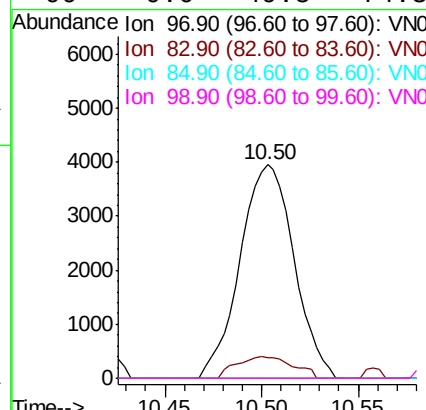
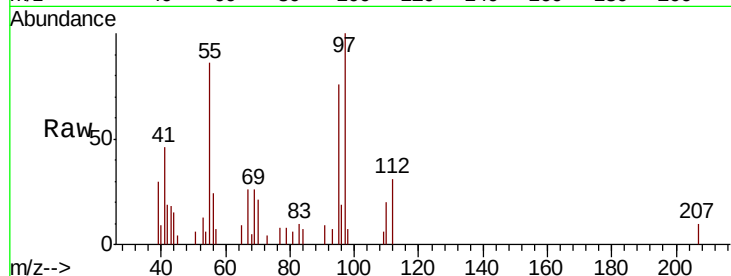




#55
 1,1,2-Trichloroethane
 Concen: 2.186 ug/l
 RT: 10.50 min Scan# 2715
 Delta R.T. -0.03 min
 Lab File: VN061466.D
 Acq: 19 May 2020 7:43

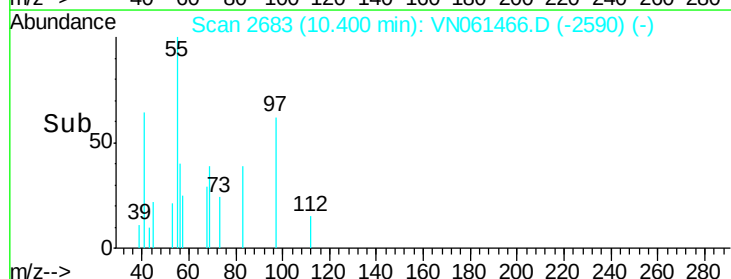
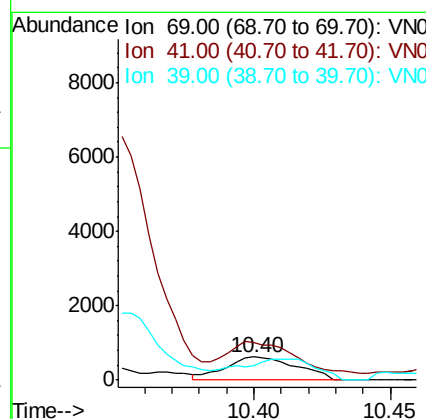
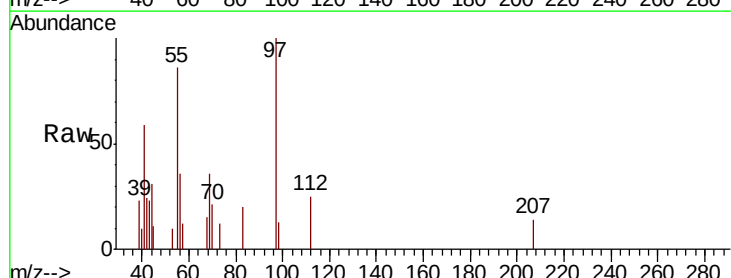
Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

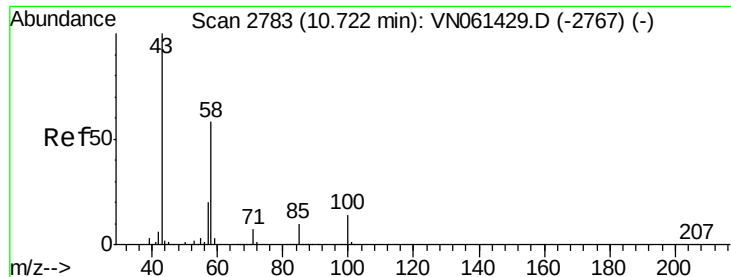
Tot Ion: 97 Resp: 7655
 Ion Ratio Lower Upper
 97 100
 83 9.8 68.2 102.4#
 85 0.0 44.6 67.0#
 99 0.0 49.5 74.3#



#56
 Ethyl methacrylate
 Concen: 0.206 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061466.D
 Acq: 19 May 2020 7:43

Tgt Ion: 69 Resp: 1127
 Ion Ratio Lower Upper
 69 100
 41 124.5 48.3 72.5#
 39 97.5 30.2 45.2#

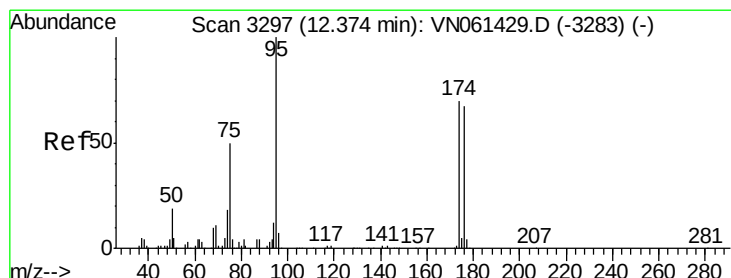
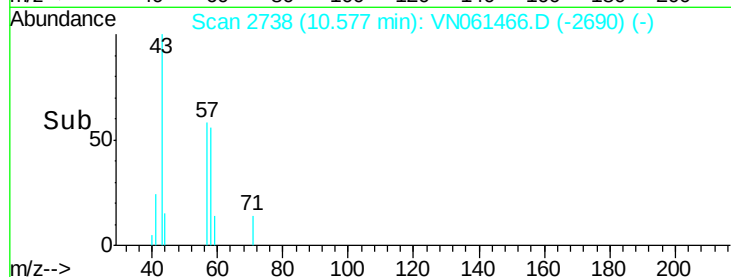
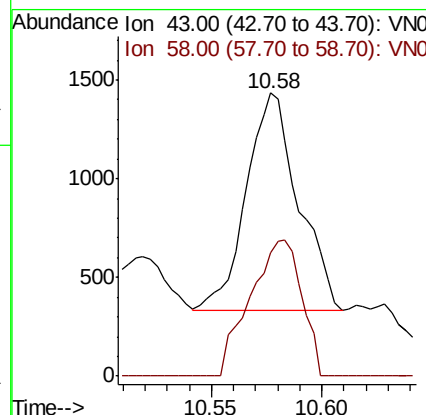
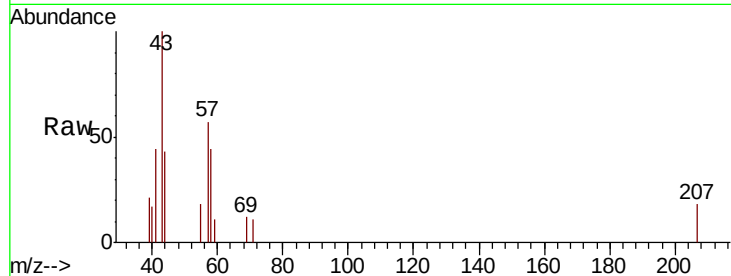




#59
2-Hexanone
Concen: 0.610 ug/l
RT: 10.58 min Scan# 2738
Delta R.T. -0.14 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

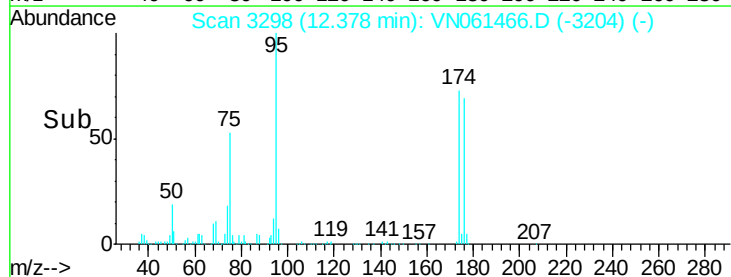
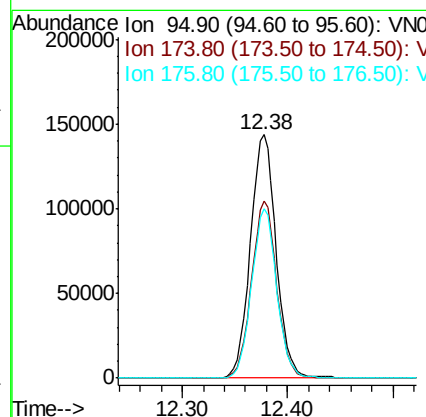
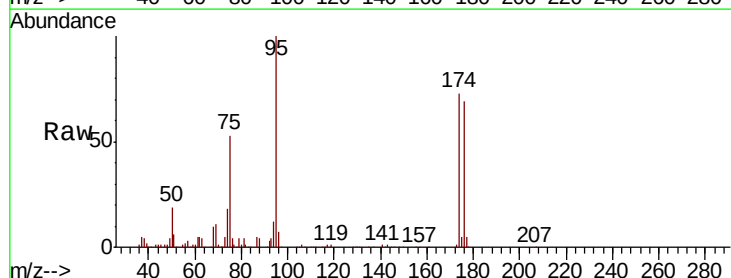
Instrument :
MSVOA_N
ClientSampleId :
MW-4

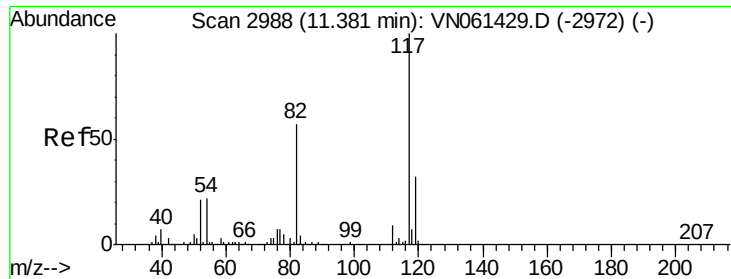
Tot Ion: 43 Resp: 1819
Ion Ratio Lower Upper
43 100
58 61.3 29.2 87.6



#62
4-Bromofluorobenzene
Concen: 52.604 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Tgt Ion: 95 Resp: 244477
Ion Ratio Lower Upper
95 100
174 71.2 0.0 141.2
176 68.1 0.0 137.6

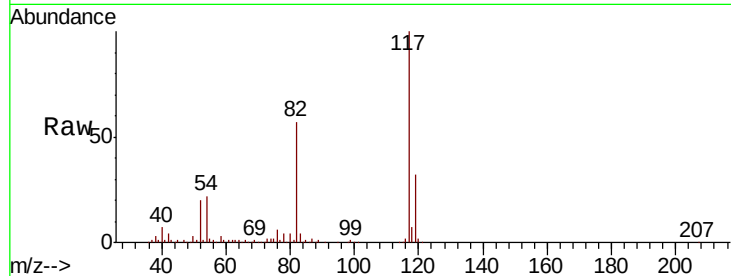




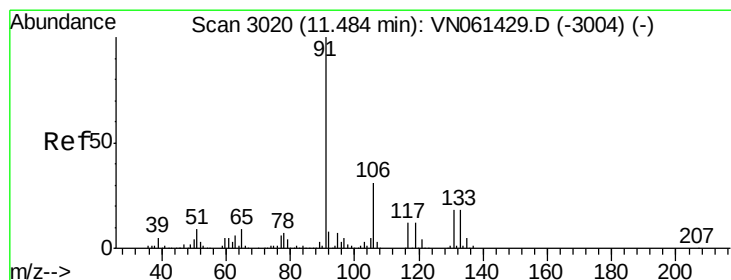
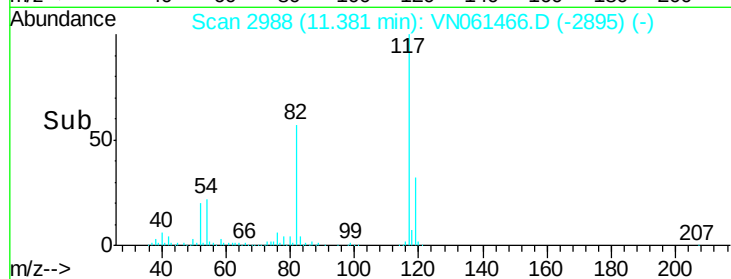
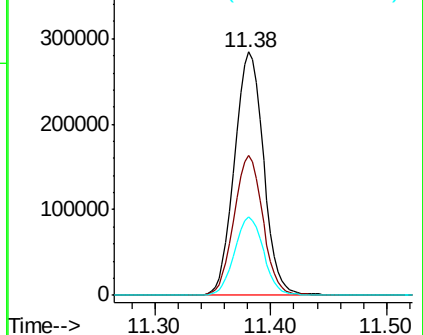
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.2	67.8
119	32.1	25.3	37.9

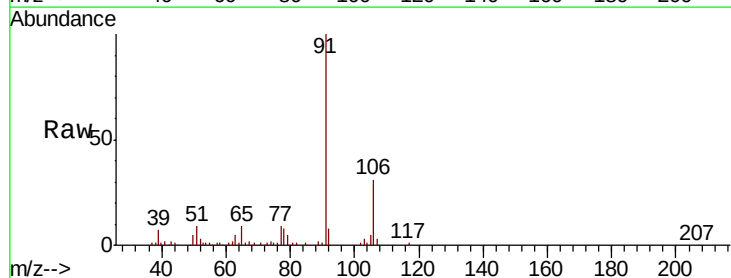


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

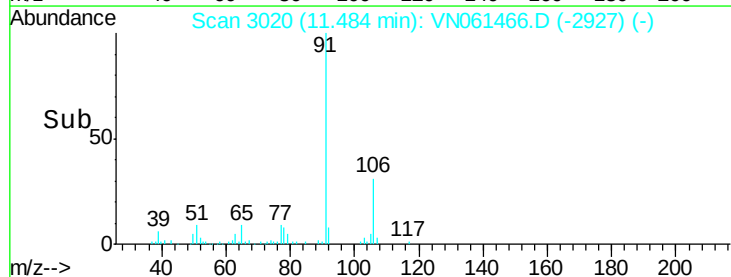
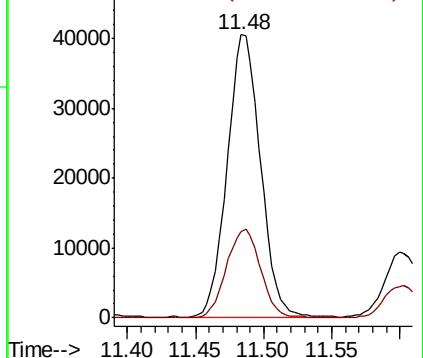


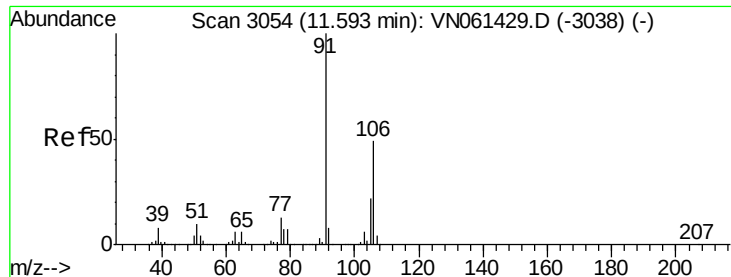
#67
Ethyl Benzene
Concen: 3.757 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.6	36.8



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 106.00 (105.70 to 106.70): V

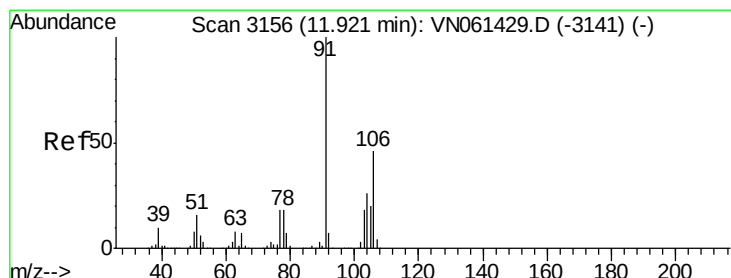
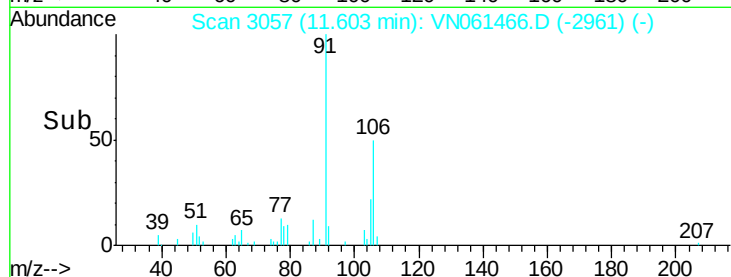
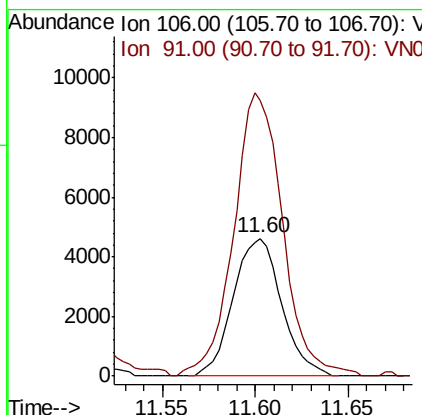
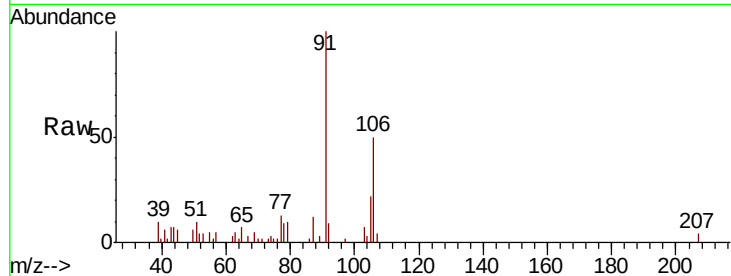




#68
m/p-Xylenes
Concen: 1.202 ug/l
RT: 11.60 min Scan# 3057
Delta R.T. 0.01 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

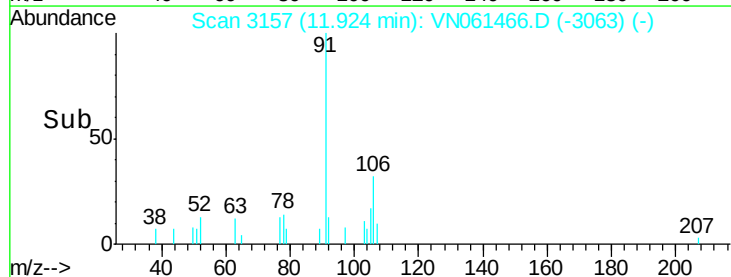
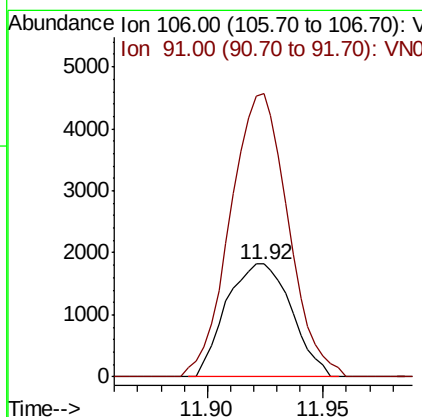
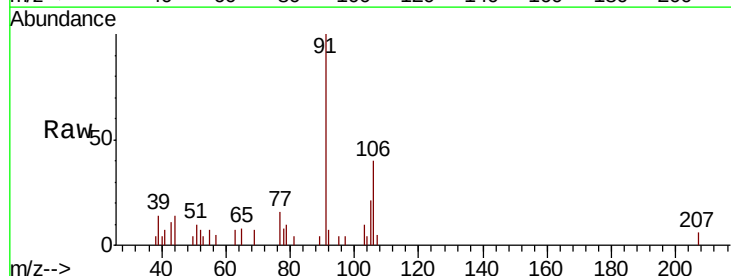
Instrument :
MSVOA_N
ClientSampled :
MW-4

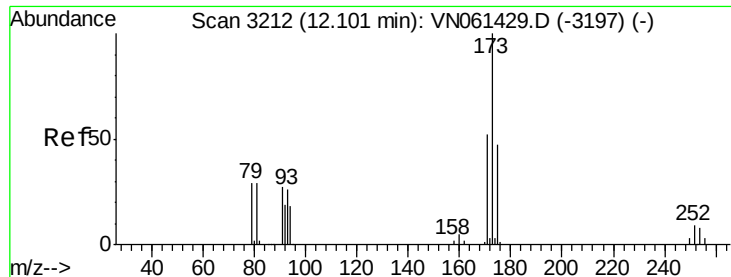
Tot Ion:106 Resp: 8399
Ion Ratio Lower Upper
106 100
91 207.6 163.0 244.6



#69
o-Xylene
Concen: 0.525 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Tgt Ion:106 Resp: 3552
Ion Ratio Lower Upper
106 100
91 222.9 107.9 323.7





#71

Bromoform

Concen: 2.486 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

Instrument :

MSVOA_N

ClientSampled :

MW-4

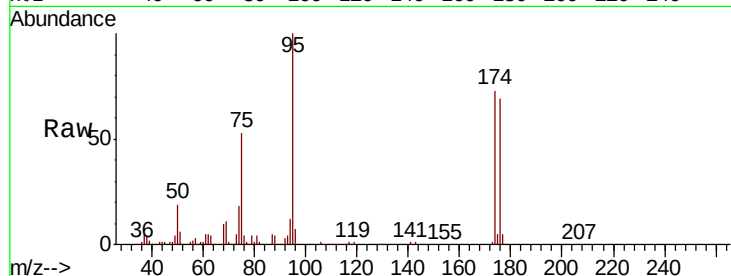
Tot Ion:173 Resp: 1364

Ion Ratio Lower Upper

173 100

175 809.9 23.9 71.8#

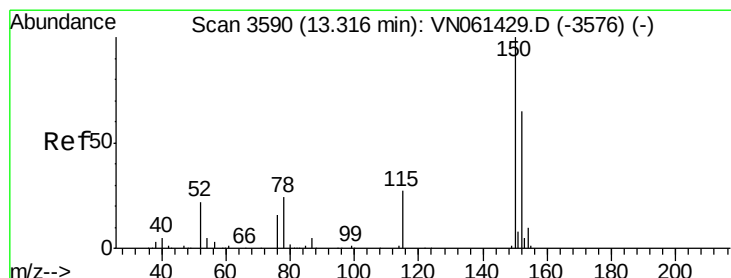
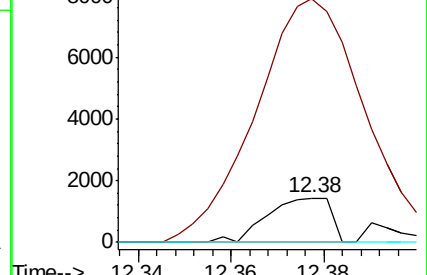
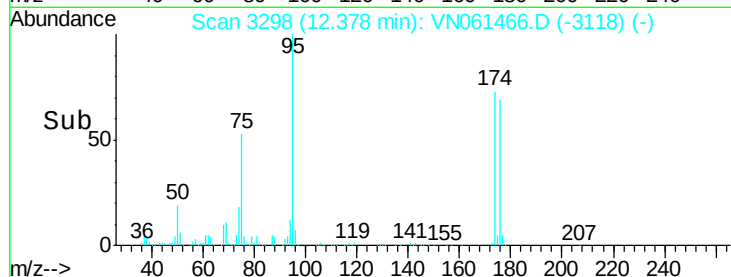
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

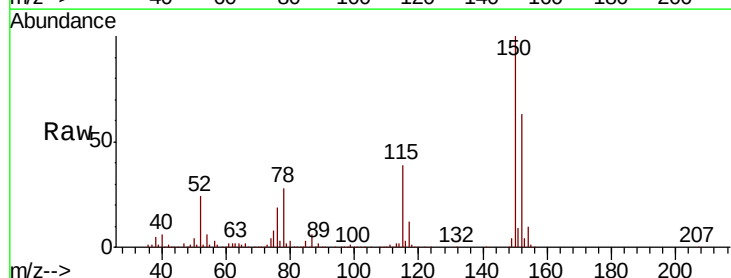
Tgt Ion:152 Resp: 216414

Ion Ratio Lower Upper

152 100

115 62.2 30.9 92.5

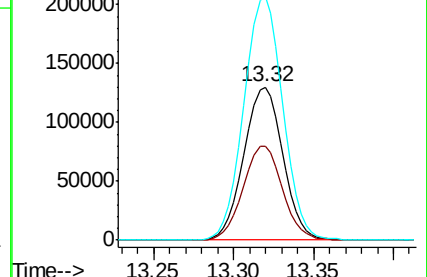
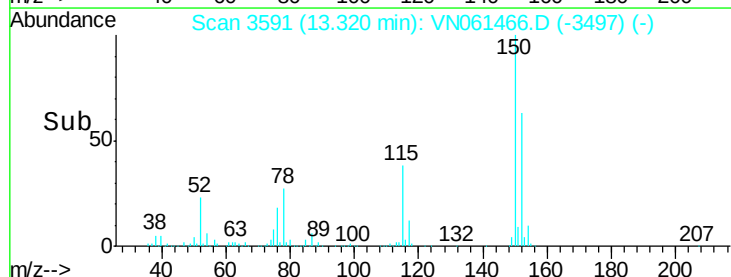
150 158.5 0.0 349.2

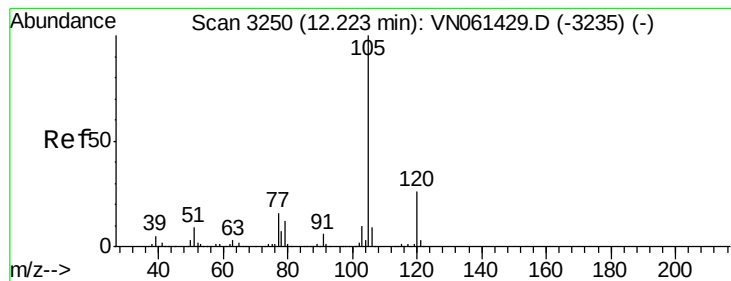


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.664 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

Instrument :

MSVOA_N

ClientSampled :

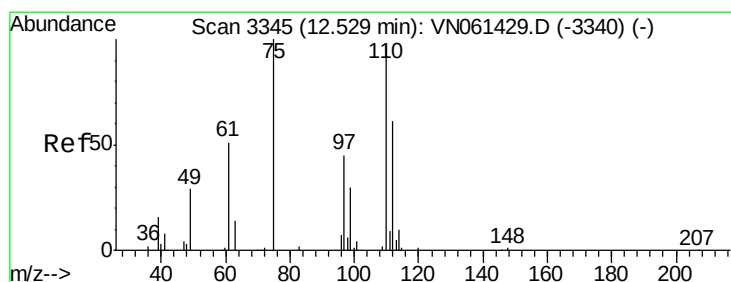
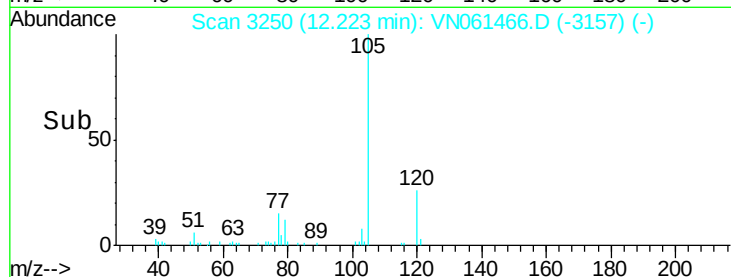
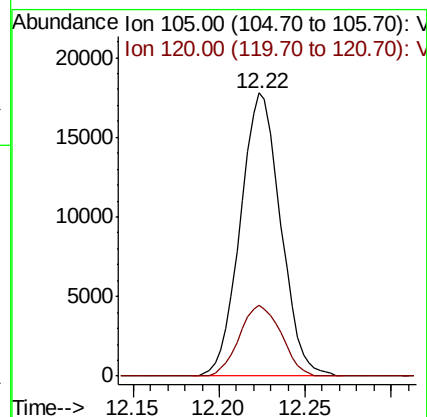
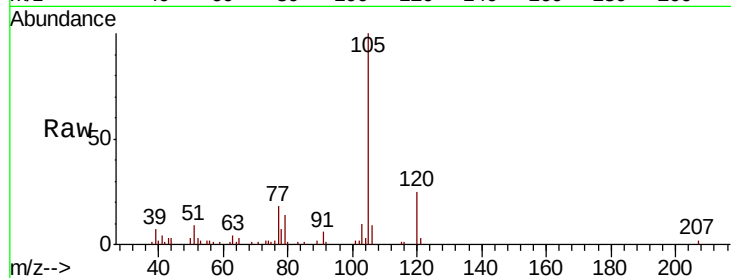
MW-4

Tot Ion:105 Resp: 28907

Ion Ratio Lower Upper

105 100

120 25.8 13.0 39.0



#76

1,2,3-Trichloropropane

Concen: 27.761 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061466.D

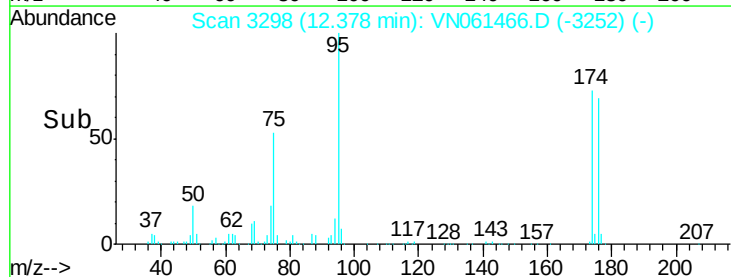
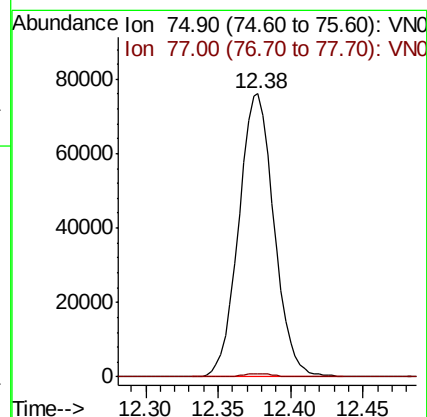
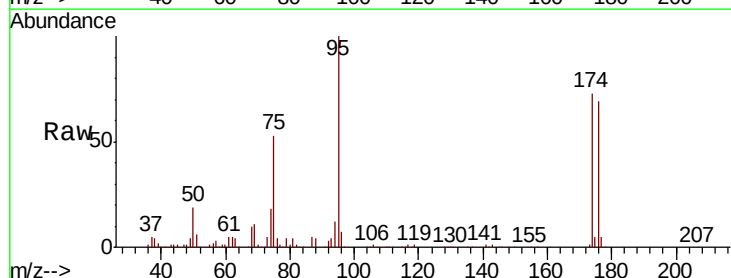
Acq: 19 May 2020 7:43

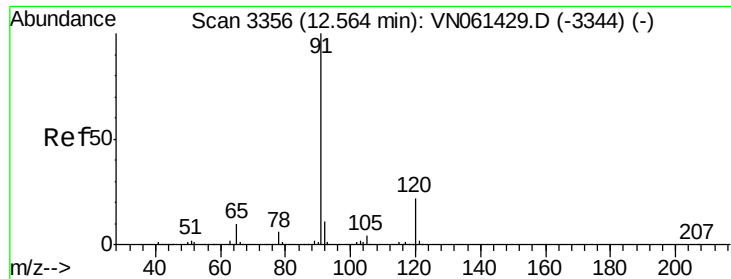
Tgt Ion: 75 Resp: 128913

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#78

n-propylbenzene

Concen: 3.299 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

Instrument :

MSVOA_N

ClientSampled :

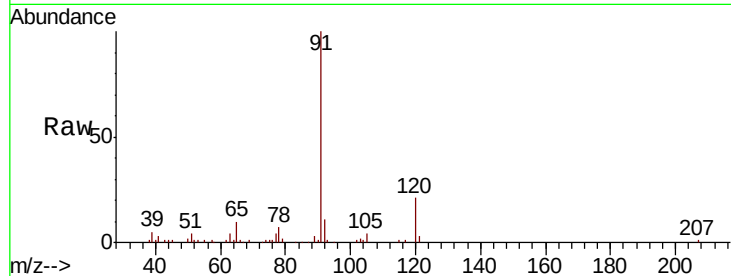
MW-4

Tot Ion: 91 Resp: 65312

Ion Ratio Lower Upper

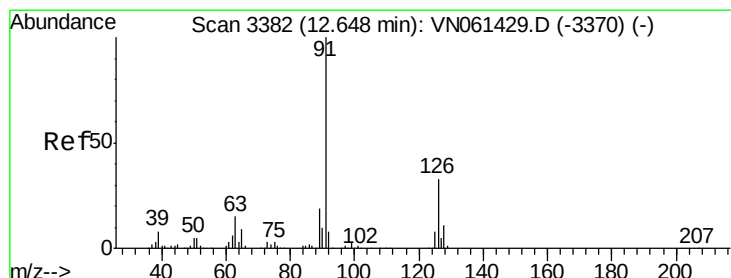
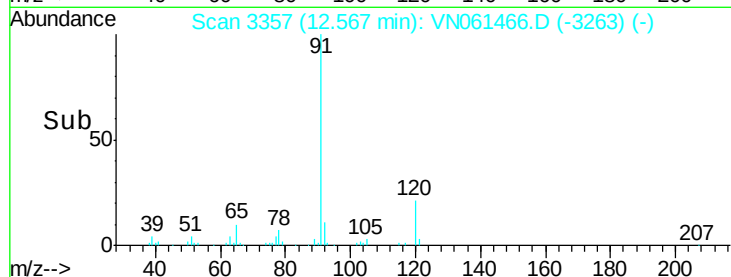
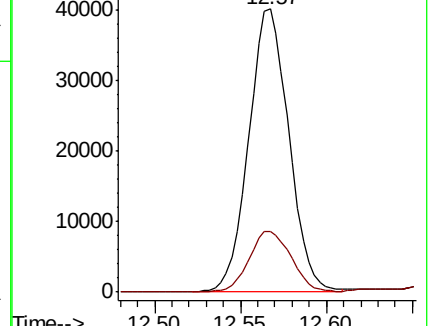
91 100

120 22.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 5.582 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.08 min

Lab File: VN061466.D

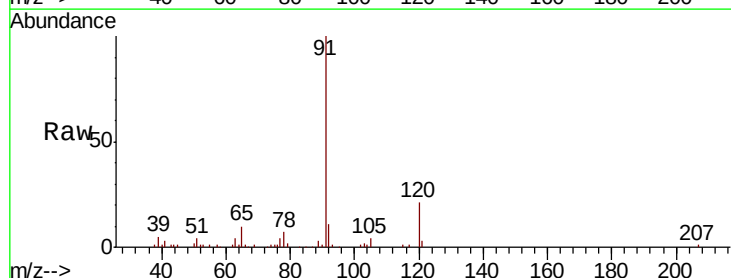
Acq: 19 May 2020 7:43

Tgt Ion: 91 Resp: 65312

Ion Ratio Lower Upper

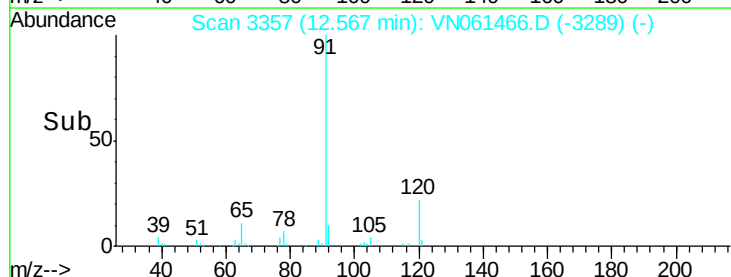
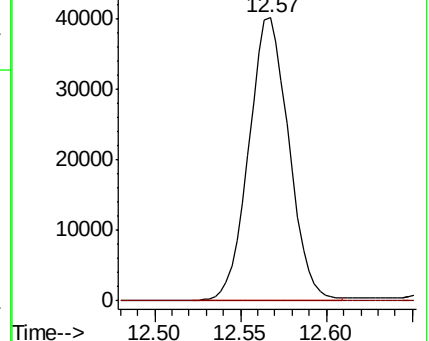
91 100

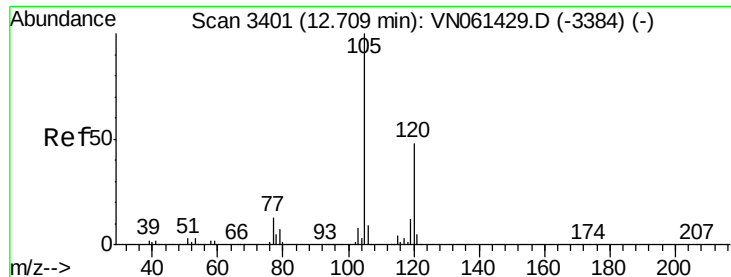
126 0.0 16.3 48.9#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.304 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

Instrument :

MSVOA_N

ClientSampled :

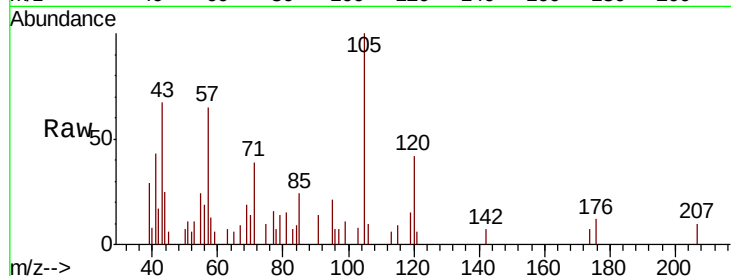
MW-4

Tot Ion:105 Resp: 4328

Ion Ratio Lower Upper

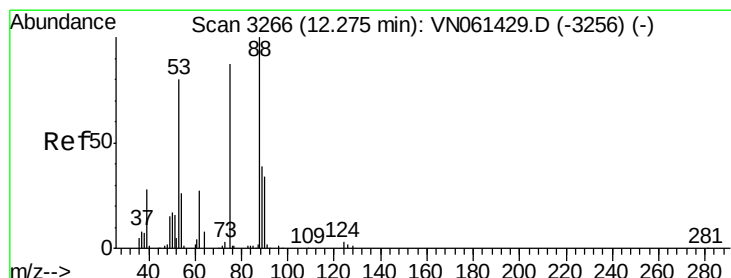
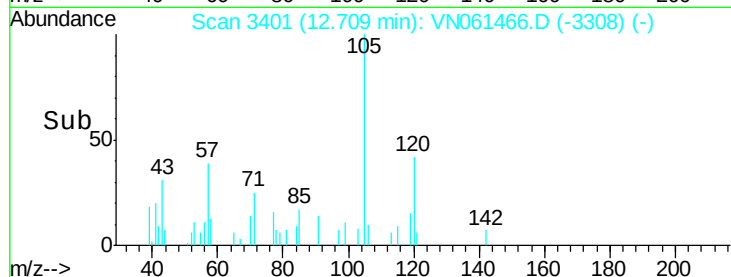
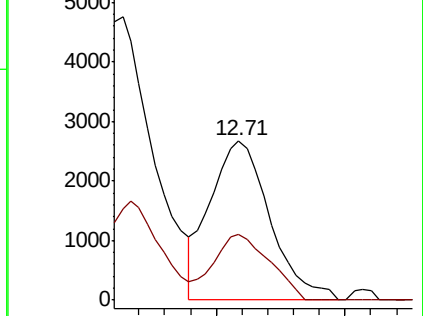
105 100

120 38.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 73.643 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

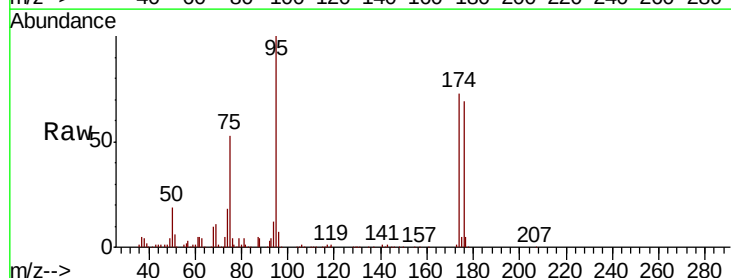
Tgt Ion: 75 Resp: 128913

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

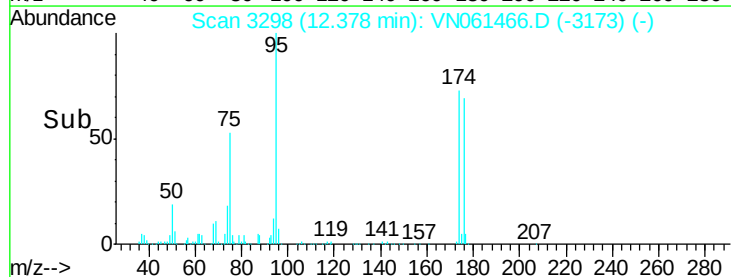
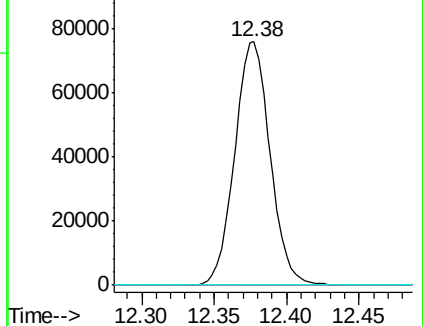
89 0.1 38.2 57.4#

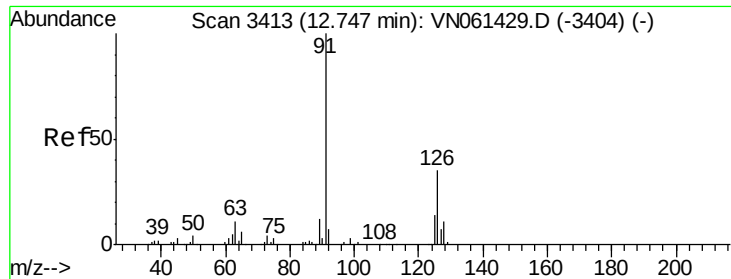


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.413 ug/l

RT: 12.86 min Scan# 3449

Delta R.T. 0.12 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

Instrument :

MSVOA_N

ClientSampled :

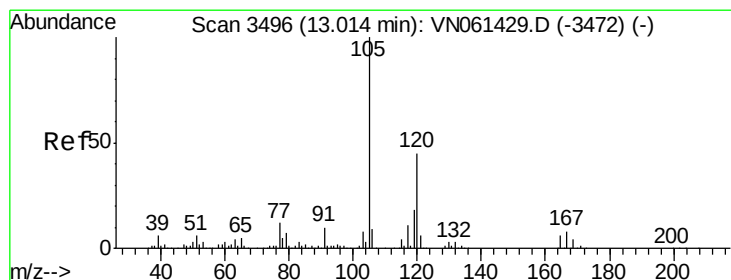
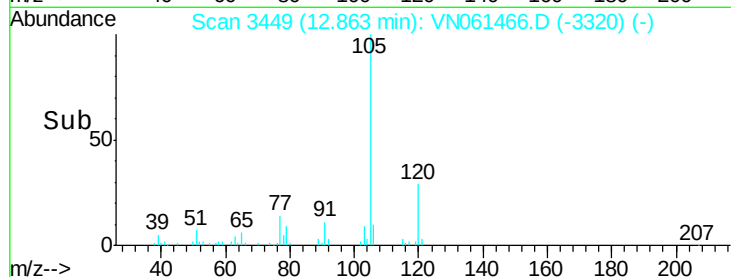
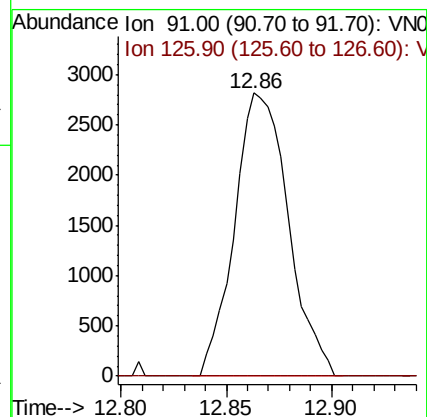
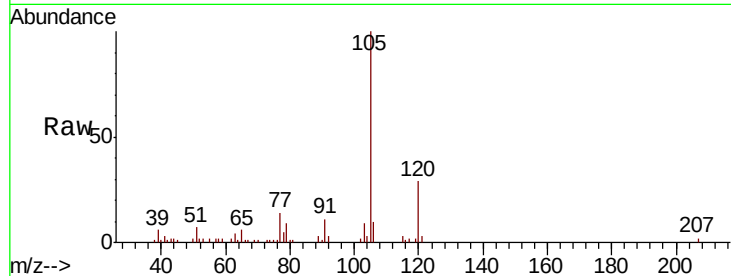
MW-4

Tot Ion: 91 Resp: 4998

Ion Ratio Lower Upper

91 100

126 0.0 16.1 48.2#



#84

1,2,4-Trimethylbenzene

Concen: 2.023 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. 0.00 min

Lab File: VN061466.D

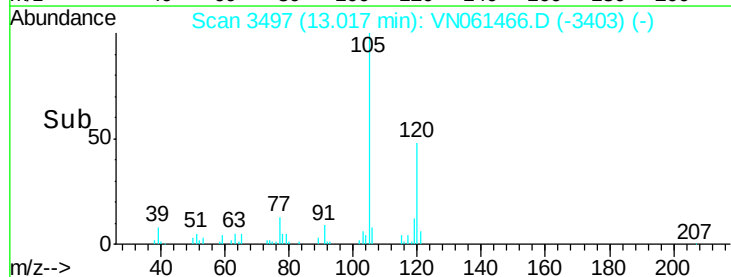
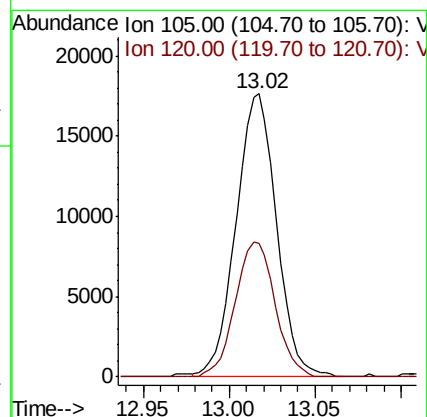
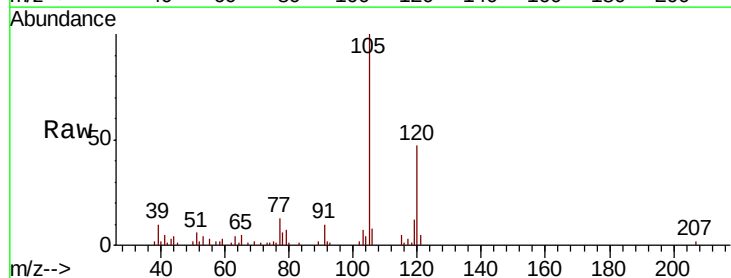
Acq: 19 May 2020 7:43

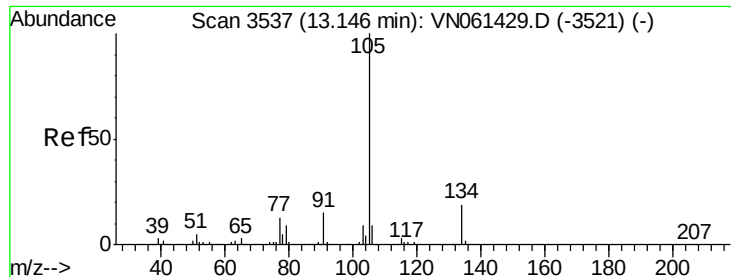
Tgt Ion: 105 Resp: 28796

Ion Ratio Lower Upper

105 100

120 47.0 22.4 67.3





#85

sec-Butylbenzene

Concen: 0.654 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

Instrument :

MSVOA_N

ClientSampled :

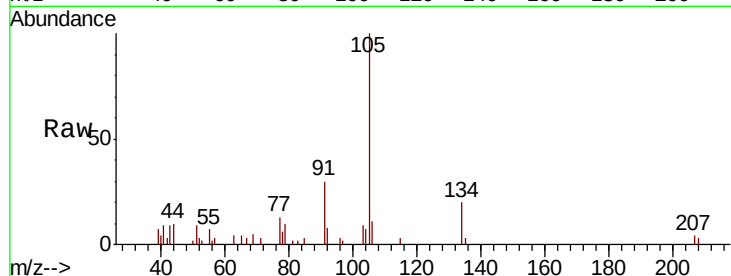
MW-4

Tot Ion:105 Resp: 10782

Ion Ratio Lower Upper

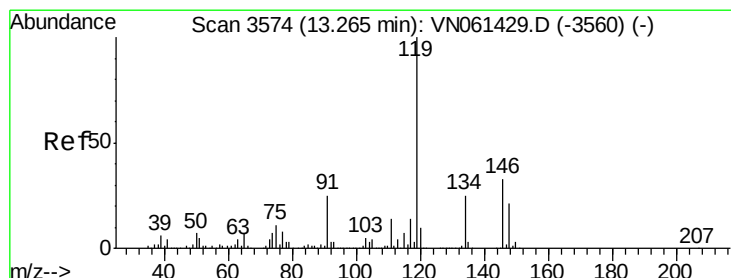
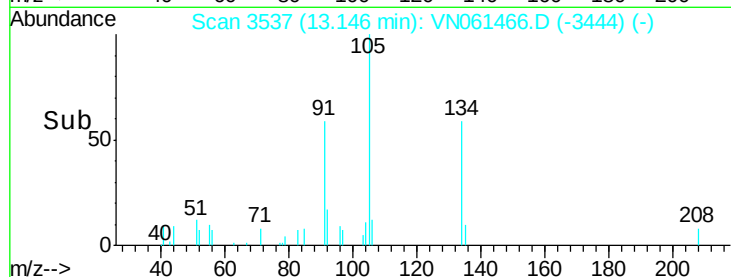
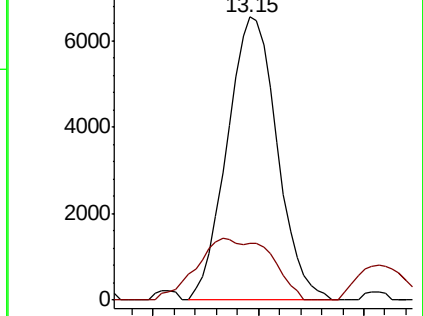
105 100

134 20.2 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.328 ug/l

RT: 13.21 min Scan# 3556

Delta R.T. -0.06 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

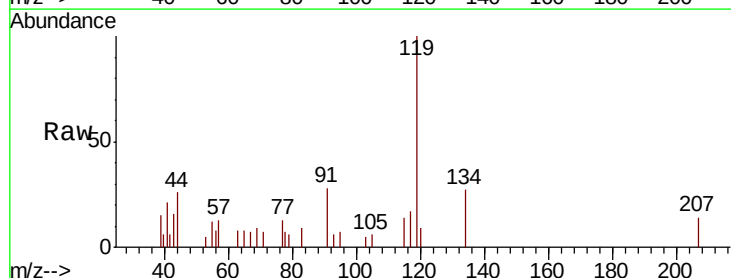
Tgt Ion:119 Resp: 4806

Ion Ratio Lower Upper

119 100

134 26.4 12.7 38.1

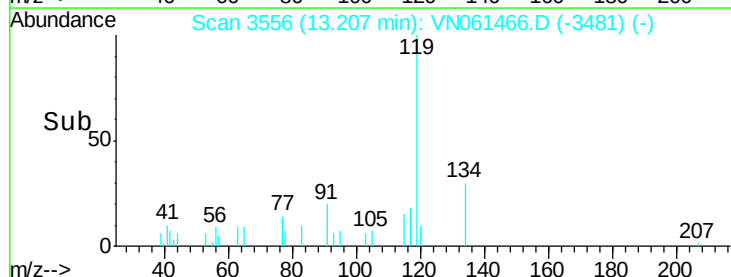
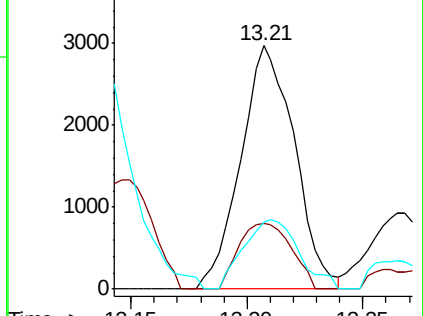
91 29.2 12.6 37.6

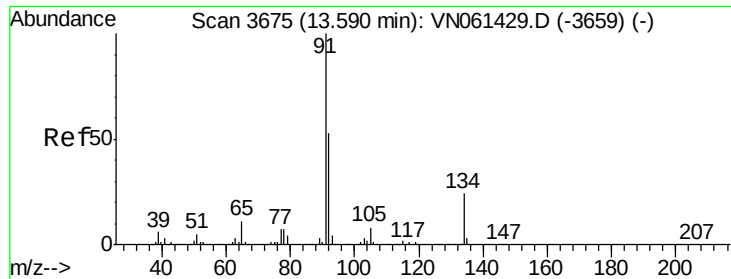


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 0.725 ug/l

RT: 13.57 min Scan# 3669

Delta R.T. -0.02 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

Instrument :

MSVOA_N

ClientSampled :

MW-4

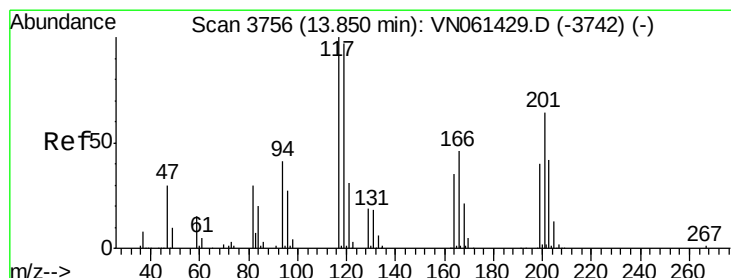
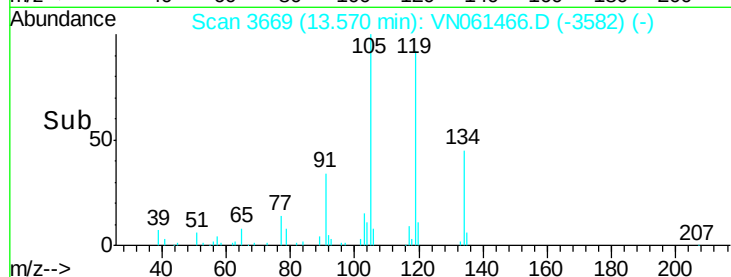
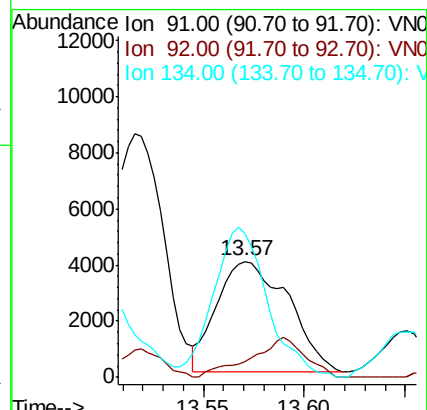
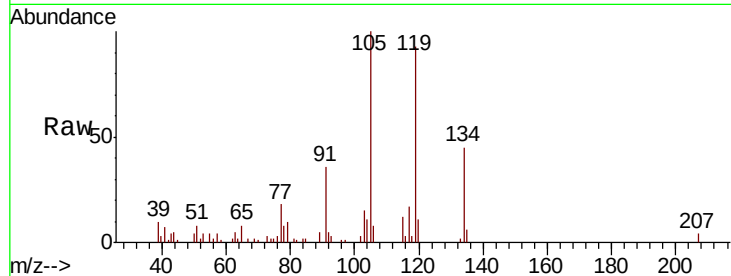
Tot Ion: 91 Resp: 9641

Ion Ratio Lower Upper

91 100

92 0.0 26.8 80.3#

134 103.4 12.4 37.4#



#90

Hexachloroethane

Concen: 0.592 ug/l

RT: 13.86 min Scan# 3760

Delta R.T. 0.01 min

Lab File: VN061466.D

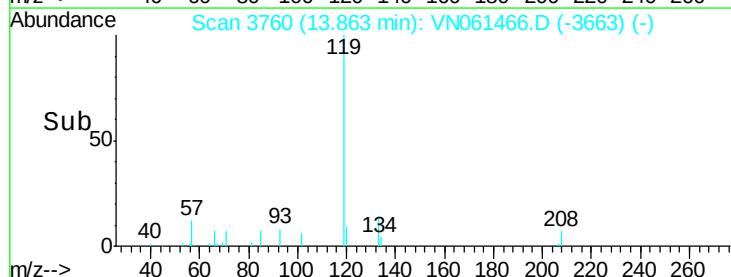
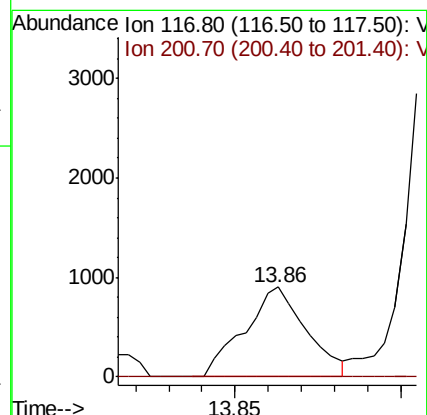
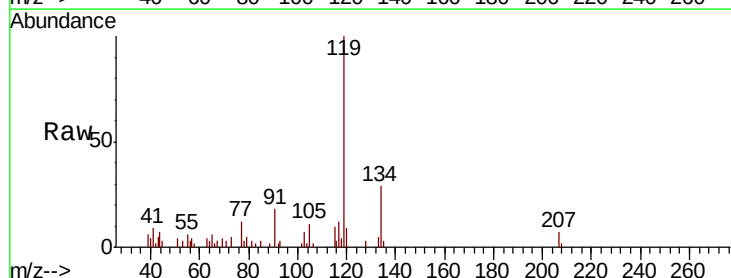
Acq: 19 May 2020 7:43

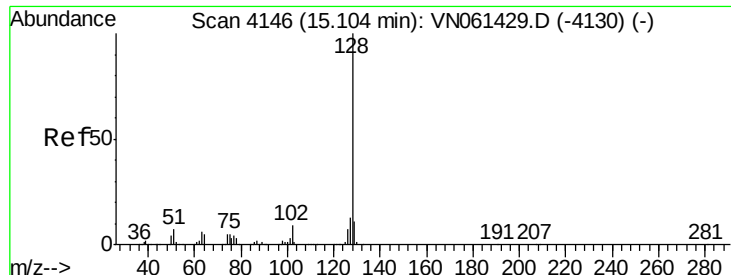
Tgt Ion: 117 Resp: 1174

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.7#

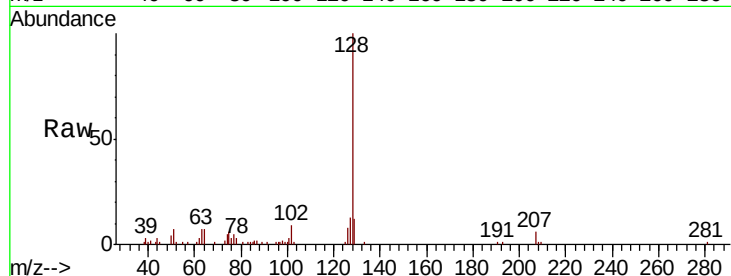




#95
Naphthalene
Concen: 4.135 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.4	8.6	13.0



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

