

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061443.D
 Acq On : 18 May 2020 18:37
 Operator : JC/MD
 Sample : L2663-10 10X
 Misc : 1.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1363

Quant Time: May 19 03:31:32 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	274219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	504575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	499734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	224021	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	200299	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	7.55	113	144509	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
50) Toluene-d8	10.06	98	654774	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
62) 4-Bromofluorobenzene	12.38	95	252470	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	

Target Compounds

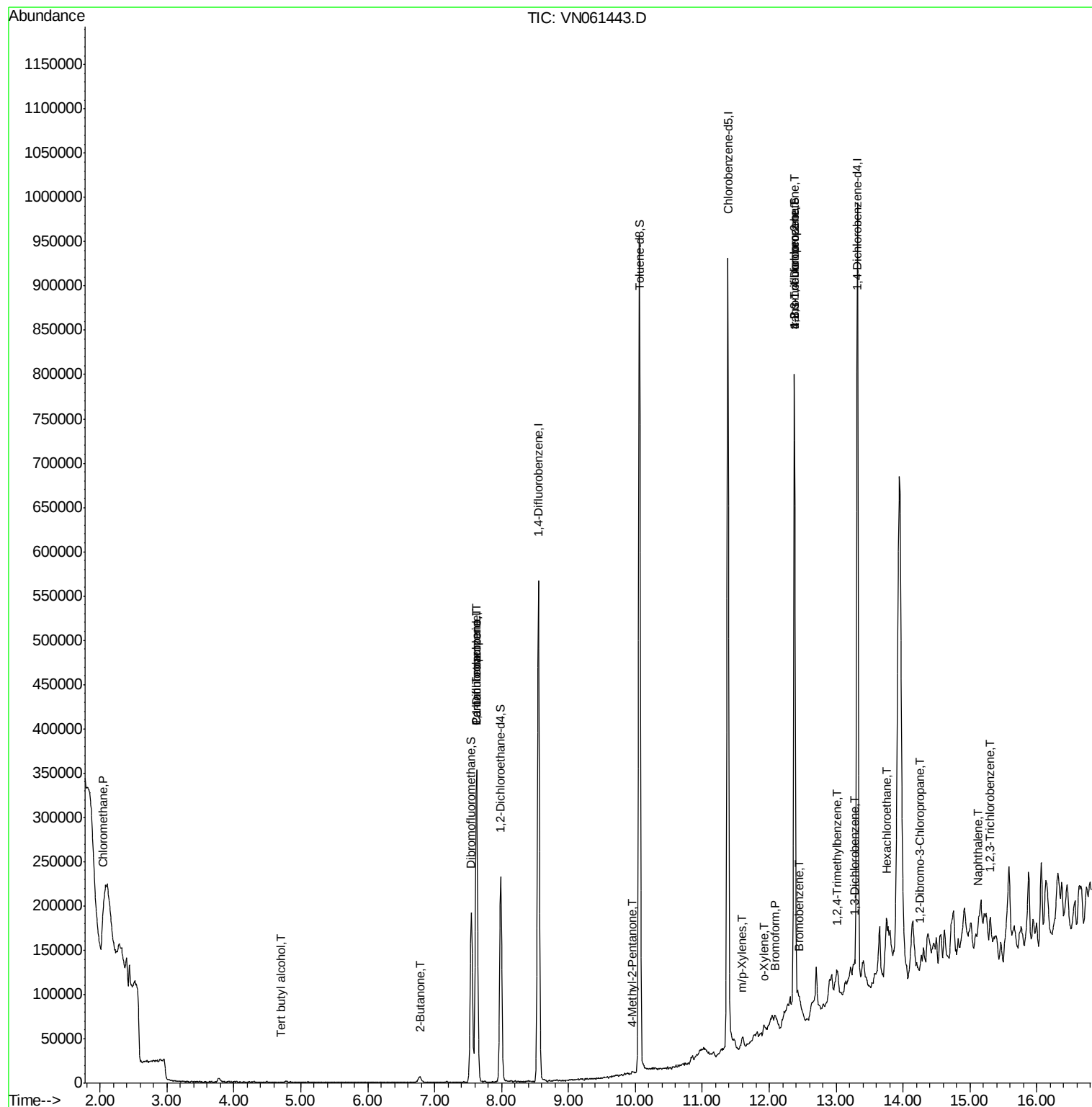
					Qvalue	
3) Chloromethane	2.03	50	1158	0.311	ug/l	95
5) Bromomethane	2.53	94	232	Below Cal	#	43
11) Tert butyl alcohol	4.72	59	97	0.206	ug/l #	73
16) Acetone	3.77	43	3816	Below Cal		92
17) Carbon Disulfide	4.01	76	839	Below Cal	#	75
18) Methyl Acetate	4.28	43	369	Below Cal	#	49
25) 2-Butanone	6.78	43	714	0.383	ug/l #	46
31) Cyclohexane	7.62	56	6775	Below Cal	#	14
36) 1,1-Dichloropropene	7.63	75	23072	4.890	ug/l #	45
38) Carbon Tetrachloride	7.62	117	29336	6.753	ug/l #	16
51) 4-Methyl-2-Pentanone	9.95	43	1907	0.469	ug/l	90
68) m/p-Xylenes	11.59	106	3202	0.453	ug/l	96
69) o-Xylene	11.92	106	3220	0.471	ug/l	89
71) Bromoform	12.09	173	175	2.079	ug/l #	29
76) 1,2,3-Trichloropropane	12.37	75	135467	28.182	ug/l #	100
77) Bromobenzene	12.45	156	5245	1.344	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.37	75	135467	74.759	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.01	105	3844	0.261	ug/l	92
87) 1,3-Dichlorobenzene	13.27	146	2046	0.286	ug/l #	48
90) Hexachloroethane	13.76	117	1536	0.748	ug/l #	29
92) 1,2-Dibromo-3-Chloropropan	14.24	75	386	0.386	ug/l #	58
95) Naphthalene	15.10	128	3634	0.308	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.30	180	741	0.200	ug/l #	63

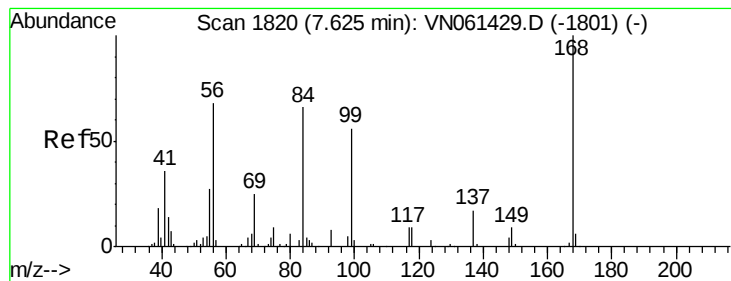
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN051820\
Data File : VN061443.D
Acq On : 18 May 2020 18:37
Operator : JC/MD
Sample : L2663-10 10X
Misc : 1.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1363

Quant Time: May 19 03:31:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061443.D

Acq: 18 May 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

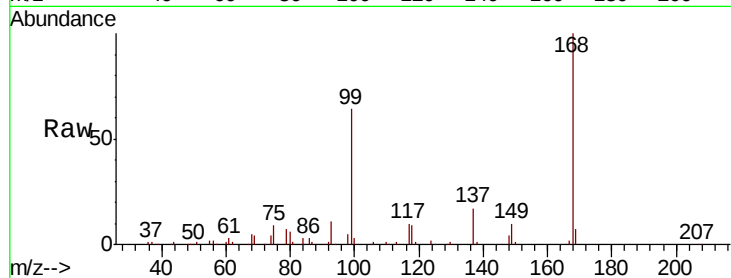
1363

Tot Ion:168 Resp: 274219

Ion Ratio Lower Upper

168 100

99 63.7 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

120000

100000

80000

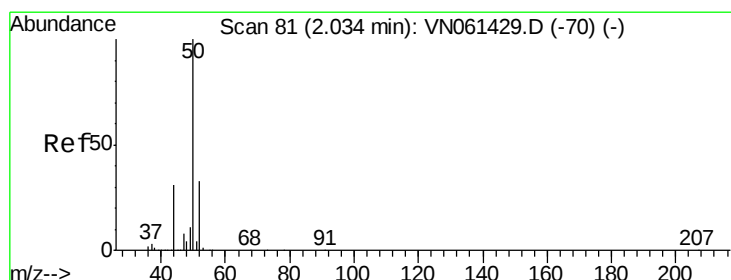
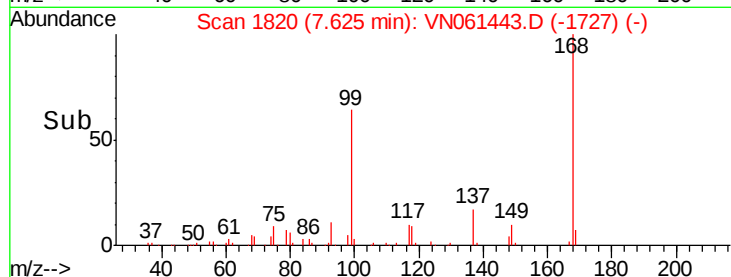
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.311 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061443.D

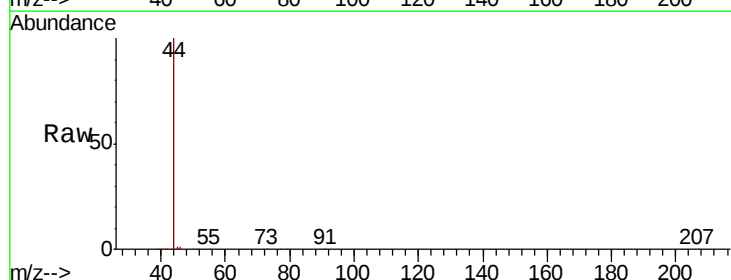
Acq: 18 May 2020 18:37

Tgt Ion: 50 Resp: 1158

Ion Ratio Lower Upper

50 100

52 36.3 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

800

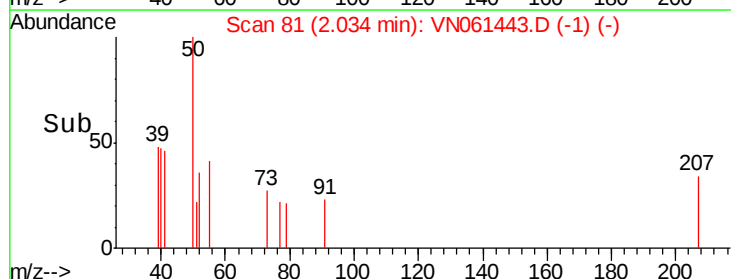
600

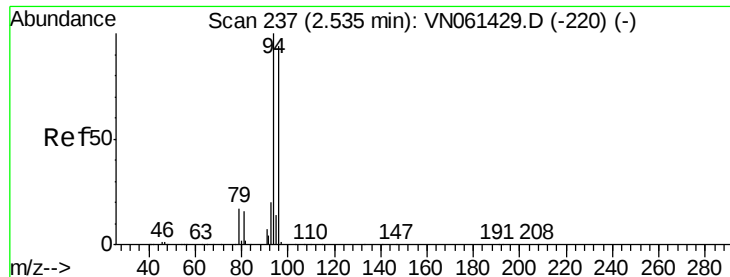
400

200

0

Time--> 2.00 2.05





#5

Bromomethane

Concen: Below Cal

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN061443.D

Acq: 18 May 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

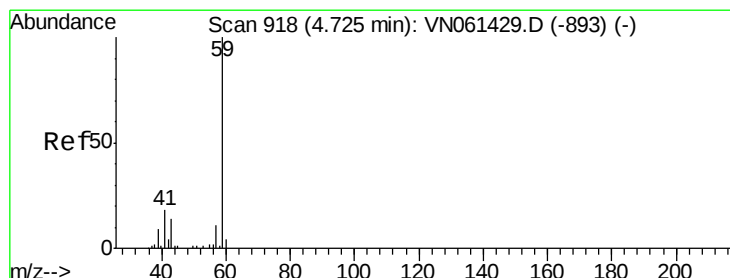
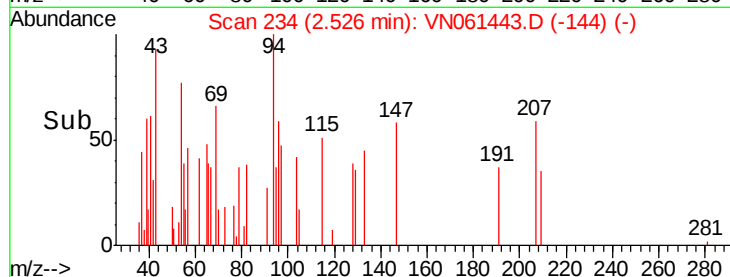
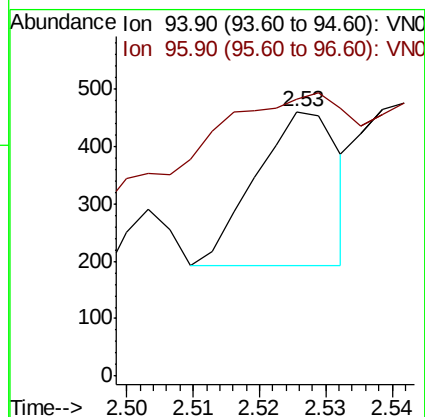
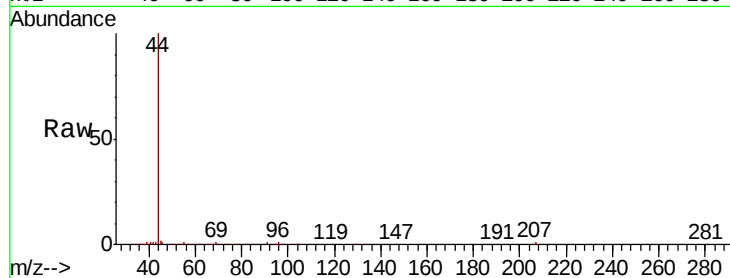
1363

Tot Ion: 94 Resp: 232

Ion Ratio Lower Upper

94 100

96 39.2 74.9 112.3#



#11

Tert butyl alcohol

Concen: 0.206 ug/l

RT: 4.72 min Scan# 916

Delta R.T. -0.01 min

Lab File: VN061443.D

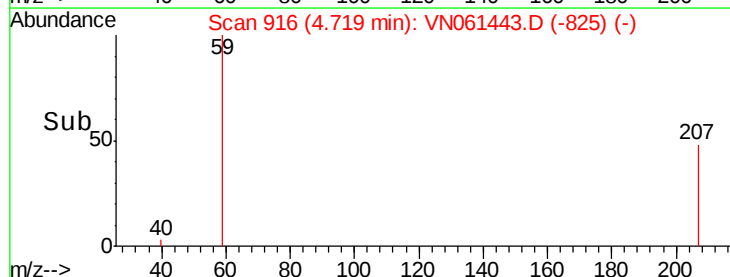
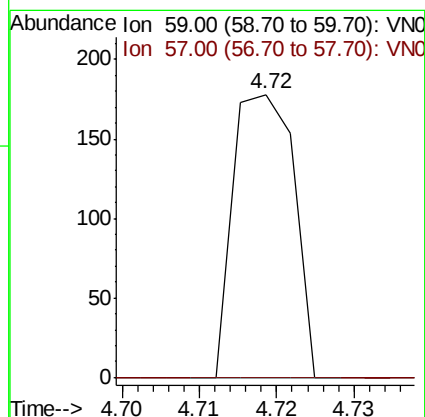
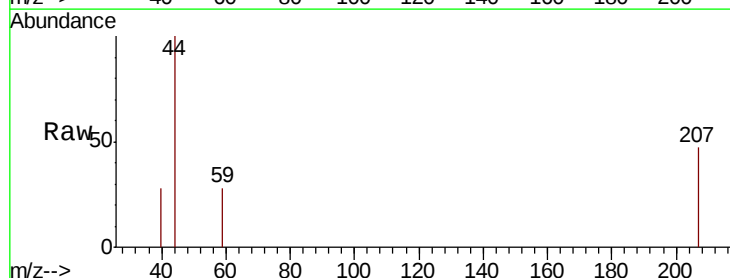
Acq: 18 May 2020 18:37

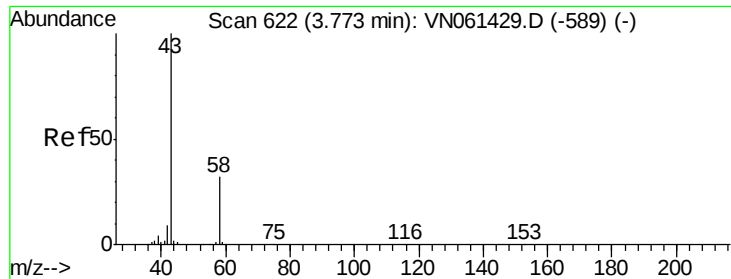
Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#16

Acetone

Concen: Below Cal

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061443.D

Acq: 18 May 2020 18:37

Instrument :

MSVOA_N

ClientSampled :

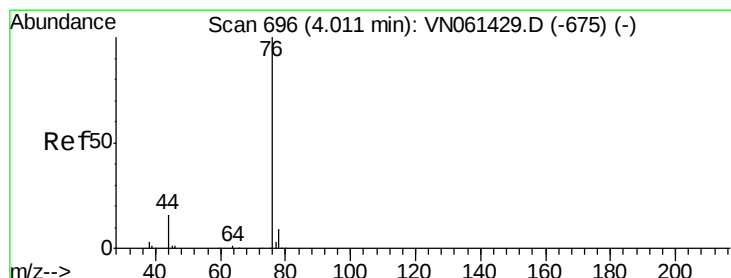
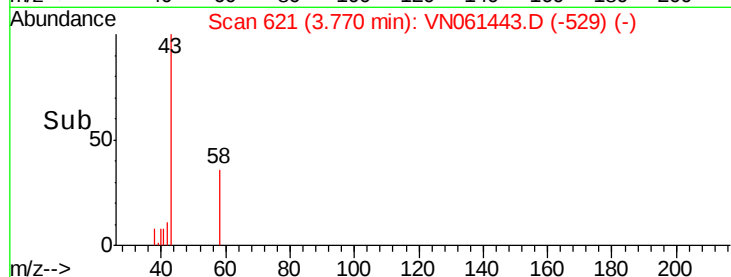
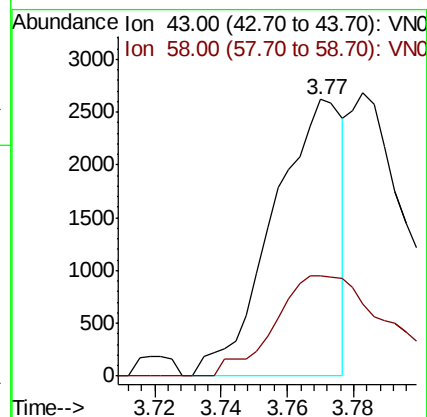
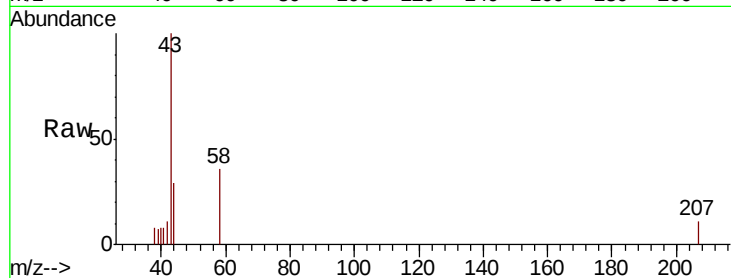
1363

Tot Ion: 43 Resp: 3816

Ion Ratio Lower Upper

43 100

58 36.2 25.6 38.4



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN061443.D

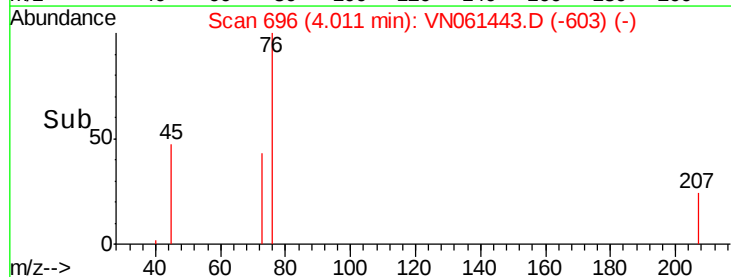
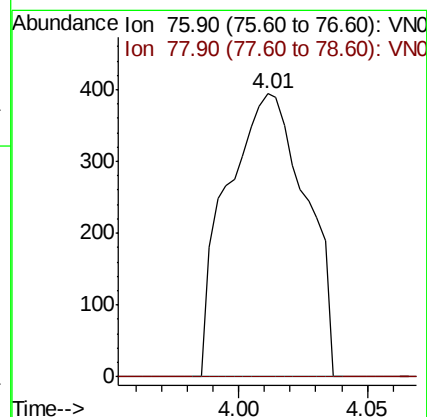
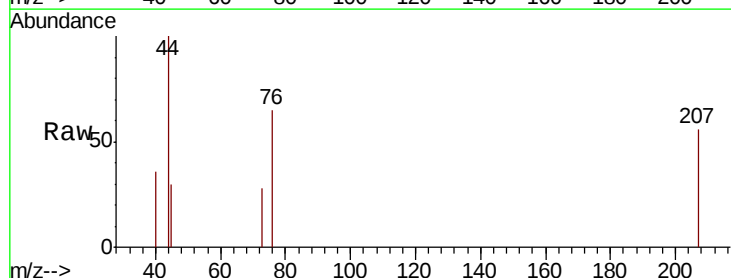
Acq: 18 May 2020 18:37

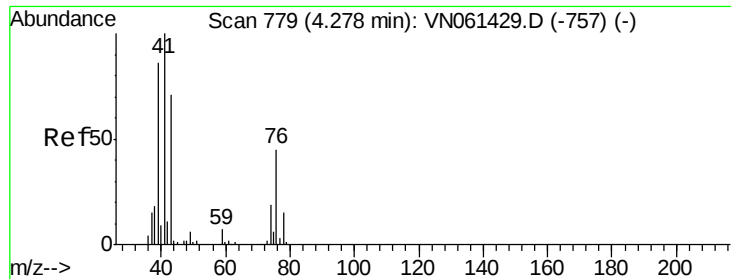
Tgt Ion: 76 Resp: 839

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

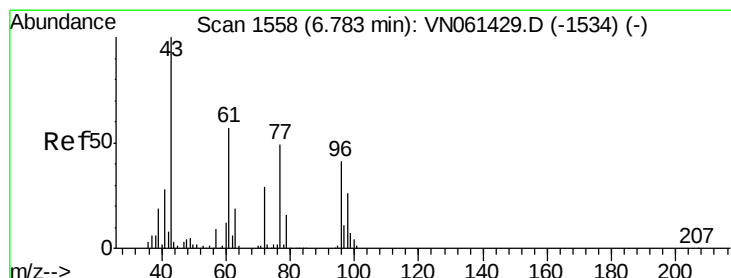
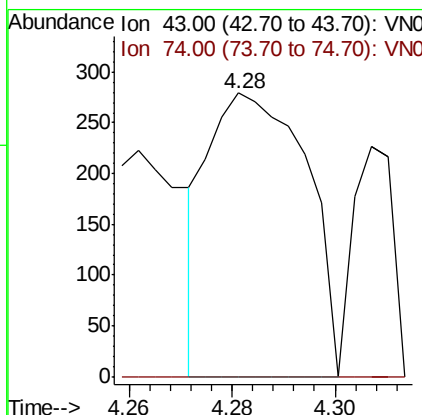
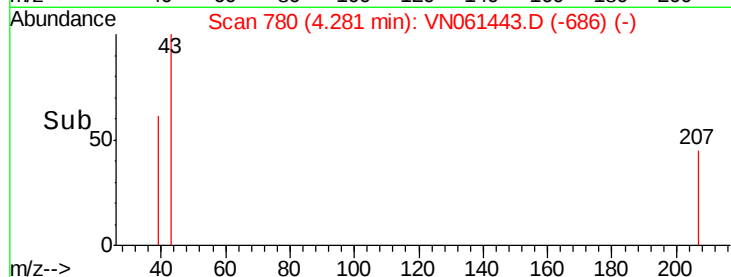
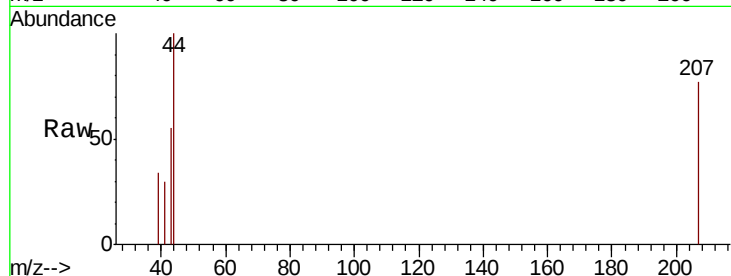




#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN061443.D
Acq: 18 May 2020 18:37

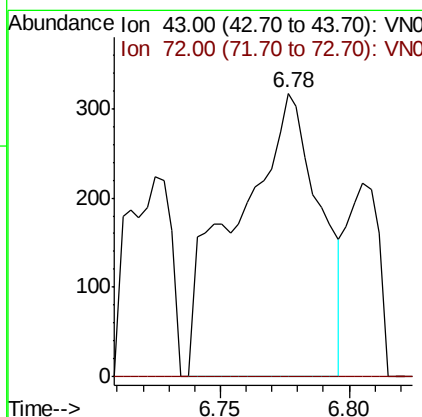
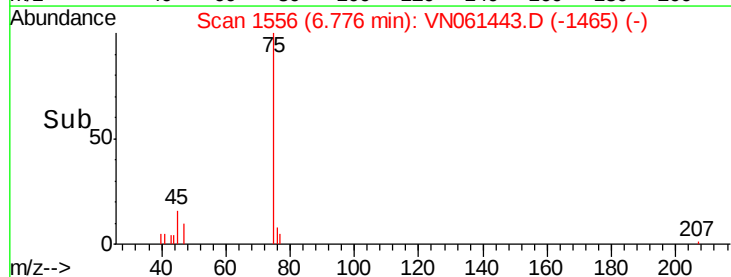
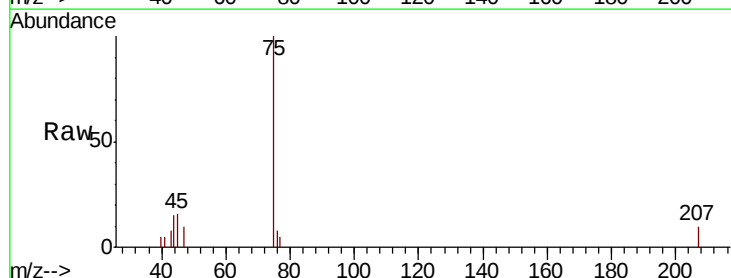
Instrument :
MSVOA_N
ClientSampled :
1363

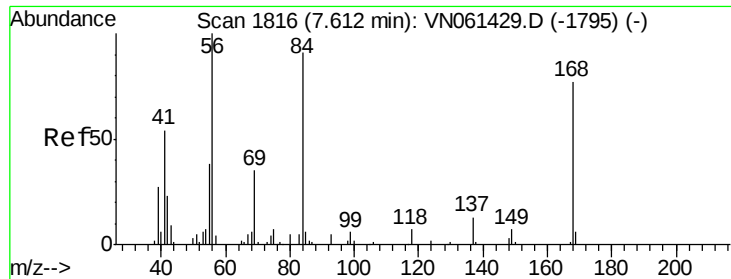
Tot Ion: 43 Resp: 369
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#25
2-Butanone
Concen: 0.383 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VN061443.D
Acq: 18 May 2020 18:37

Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#

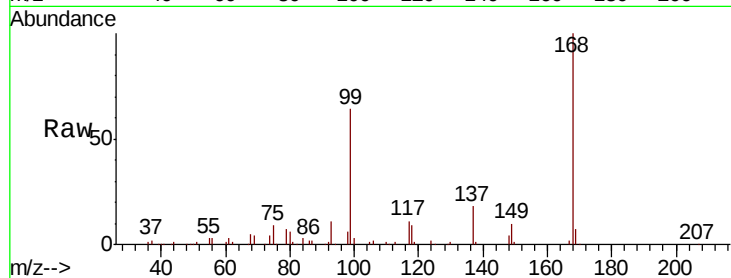




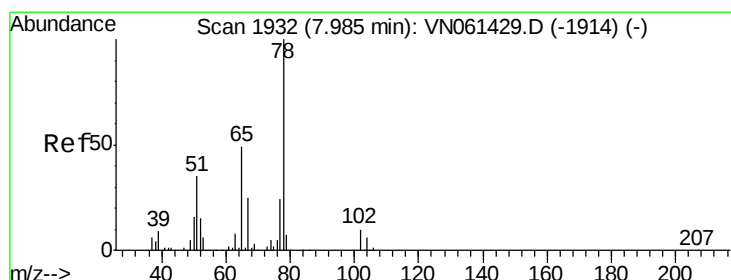
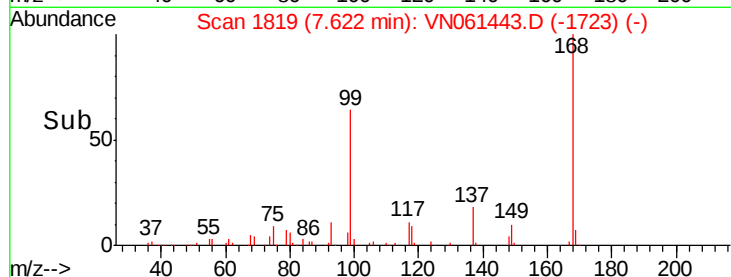
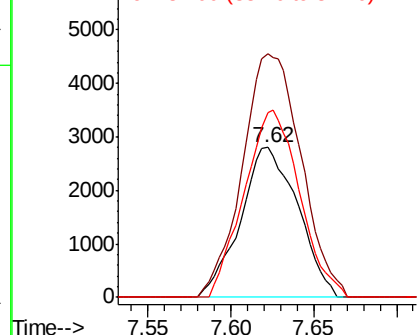
#31
Cyclohexane
Concen: Below Cal
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061443.D
Acq: 18 May 2020 18:37

Instrument :
MSVOA_N
ClientSampled :
1363

Tot Ion: 56 Resp: 6775
Ion Ratio Lower Upper
56 100
69 162.2 27.8 41.6#
84 123.3 72.7 109.1#

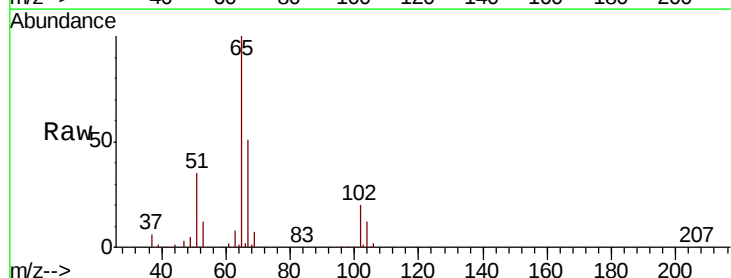


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

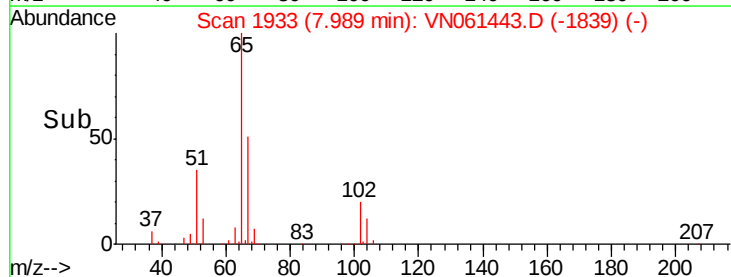
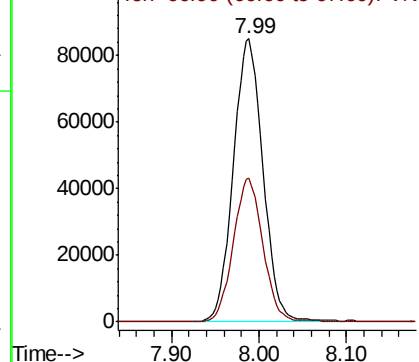


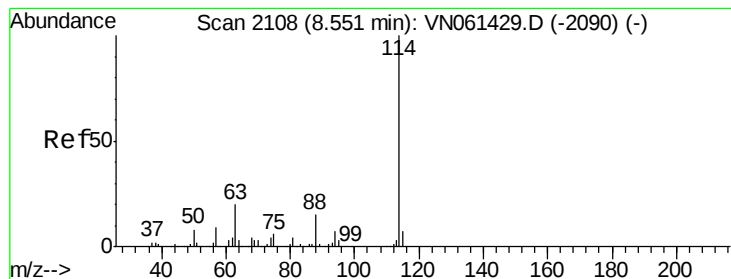
#33
1,2-Dichloroethane-d4
Concen: 48.942 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN061443.D
Acq: 18 May 2020 18:37

Tgt Ion: 65 Resp: 200299
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.4



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: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061443.D

Acq: 18 May 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

1363

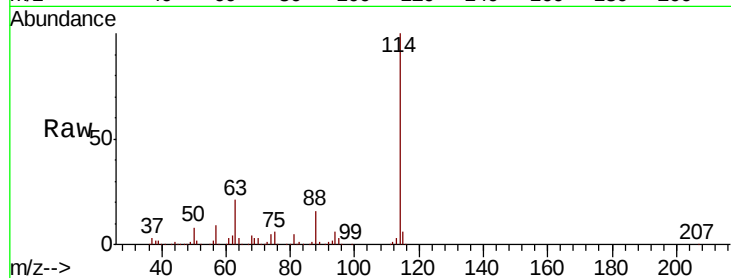
Tot Ion:114 Resp: 504575

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

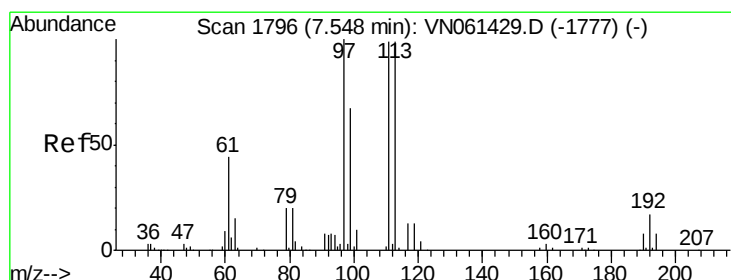
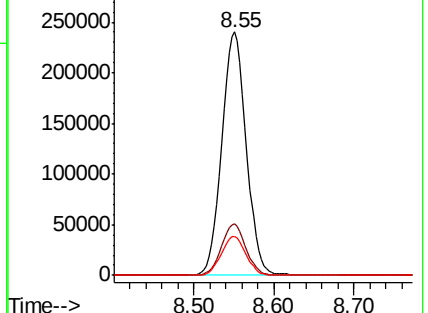
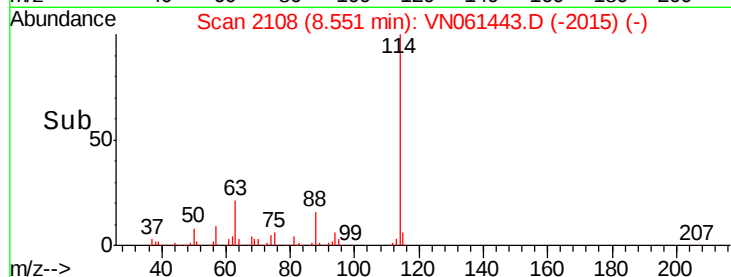
88 16.2 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 54.669 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN061443.D

Acq: 18 May 2020 18:37

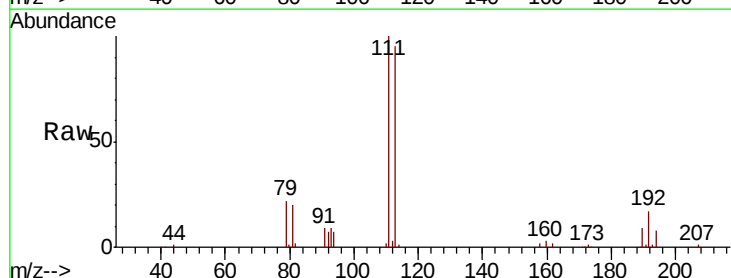
Tgt Ion:113 Resp: 144509

Ion Ratio Lower Upper

113 100

111 102.3 80.6 121.0

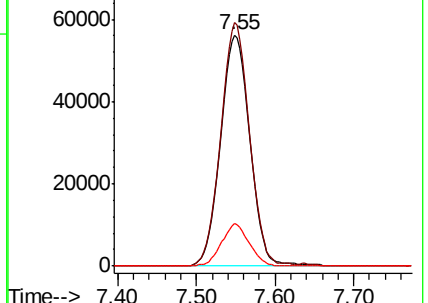
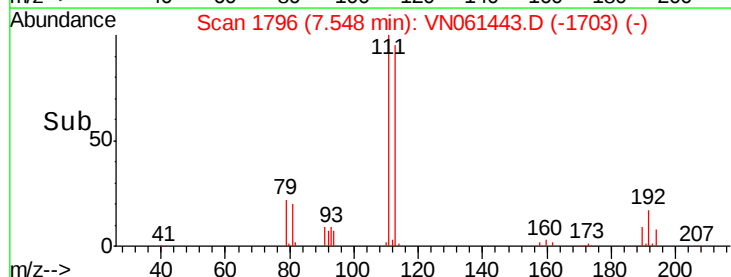
192 17.2 13.2 19.8

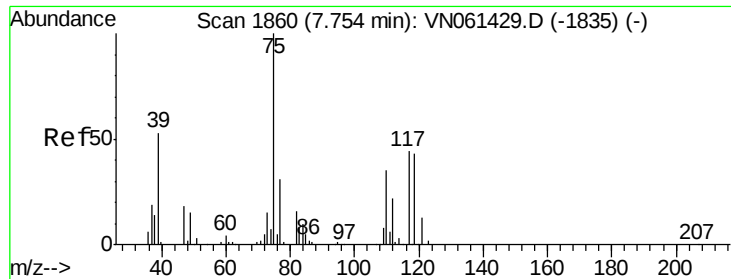


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

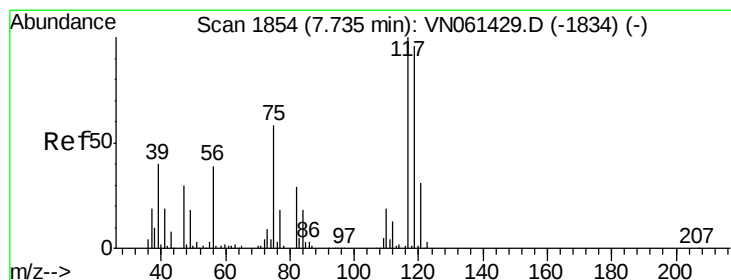
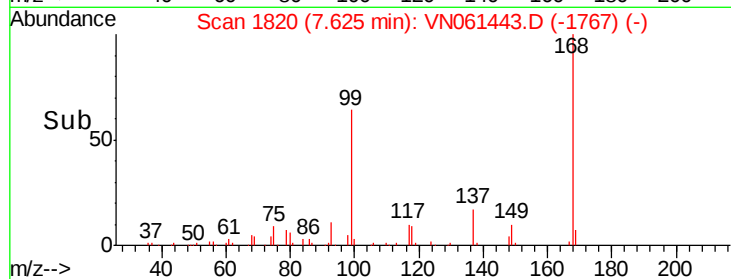
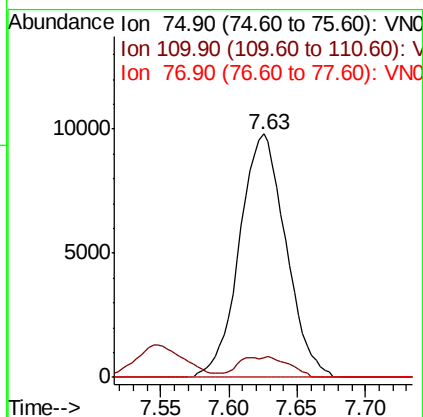
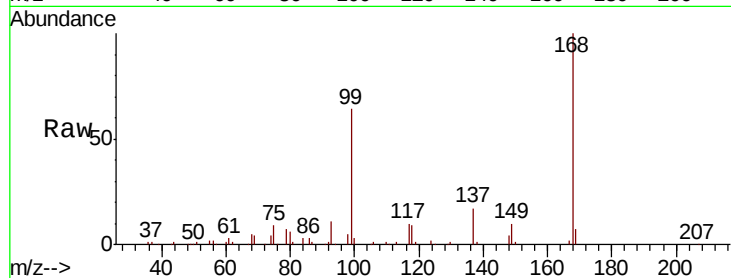




#36
 1,1-Dichloropropene
 Concen: 4.890 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061443.D
 Acq: 18 May 2020 18:37

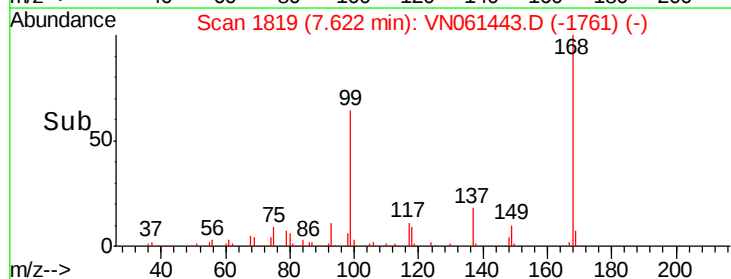
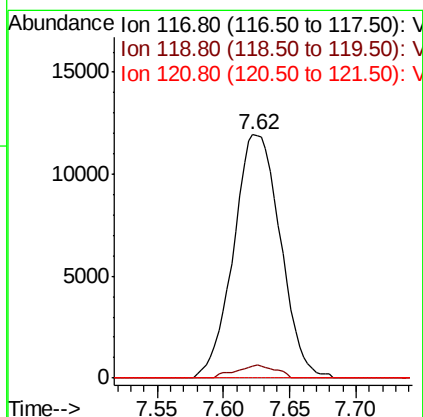
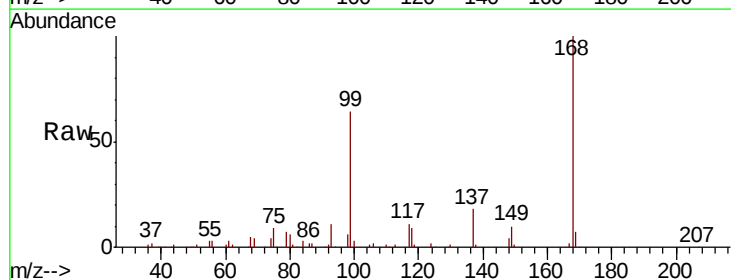
Instrument :
 MSVOA_N
 ClientSampled :
 1363

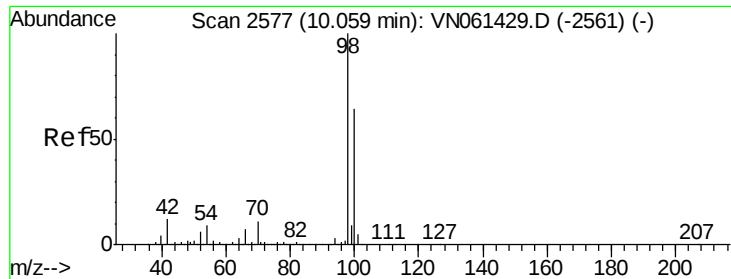
Tot Ion	Ratio	Lower	Upper
75	100		
110	3.1	17.3	51.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.753 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN061443.D
 Acq: 18 May 2020 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.0	115.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 53.406 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061443.D

Acq: 18 May 2020 18:37

Instrument :

MSVOA_N

ClientSampled :

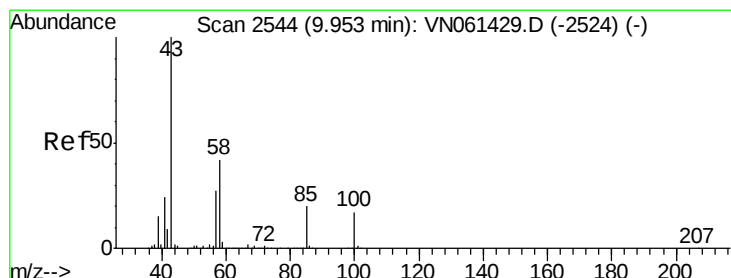
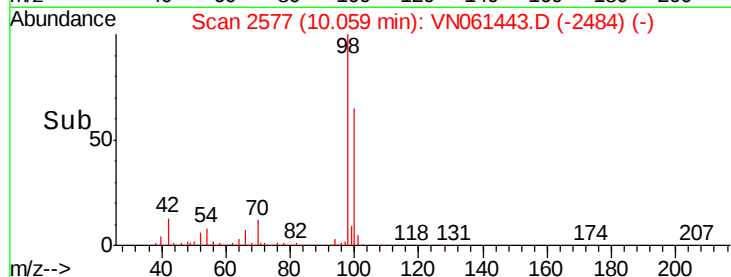
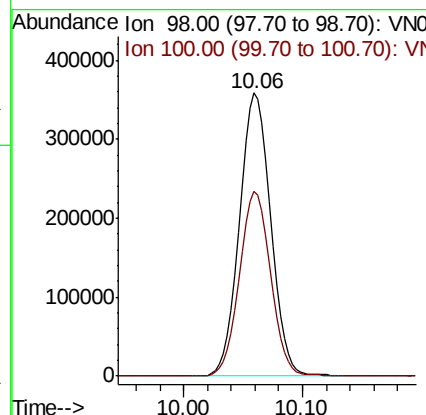
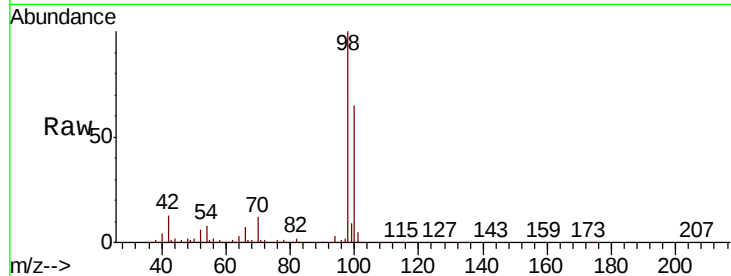
1363

Tot Ion: 98 Resp: 654774

Ion Ratio Lower Upper

98 100

100 65.3 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 0.469 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061443.D

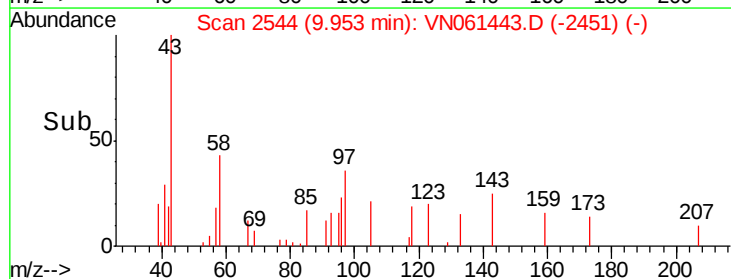
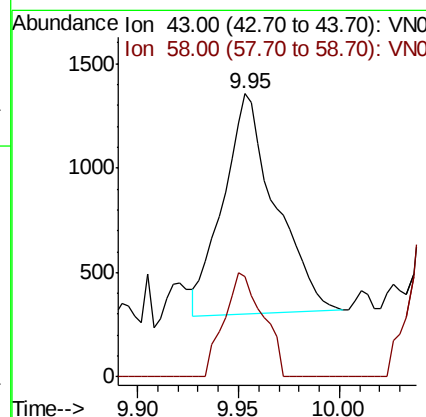
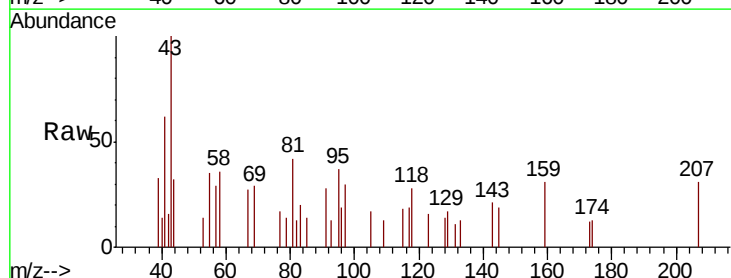
Acq: 18 May 2020 18:37

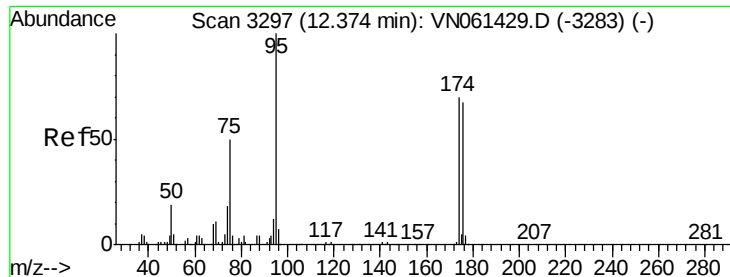
Tgt Ion: 43 Resp: 1907

Ion Ratio Lower Upper

43 100

58 35.2 33.4 50.2





#62

4-Bromofluorobenzene

Concen: 55.118 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061443.D

Acq: 18 May 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

1363

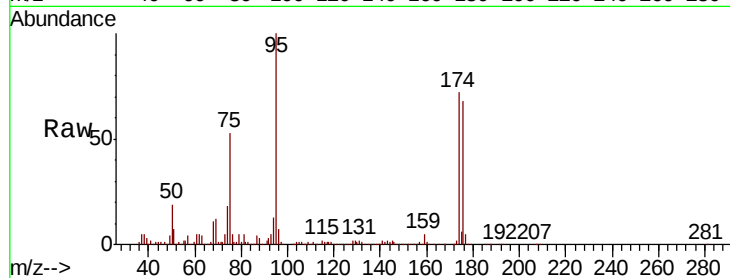
Tot Ion: 95 Resp: 252470

Ion Ratio Lower Upper

95 100

174 70.3 0.0 141.2

176 68.1 0.0 137.6

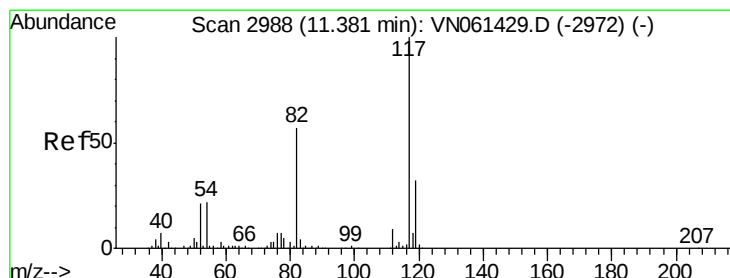
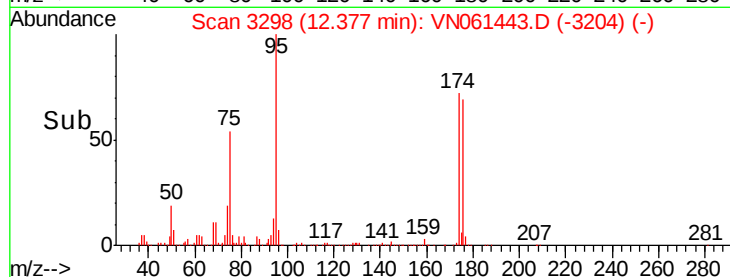
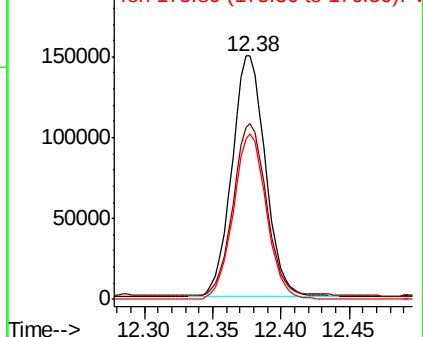


Abundance

Ion 94.90 (94.60 to 95.60): VN061429.D (-3283) (-)

Ion 173.80 (173.50 to 174.50): VN061429.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061429.D (-3283) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061443.D

Acq: 18 May 2020 18:37

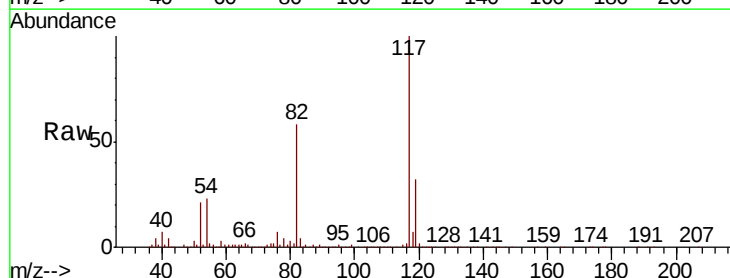
Tgt Ion: 117 Resp: 499734

Ion Ratio Lower Upper

117 100

82 57.4 45.2 67.8

119 32.0 25.3 37.9

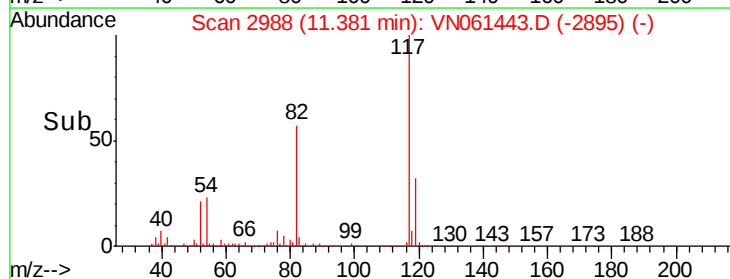
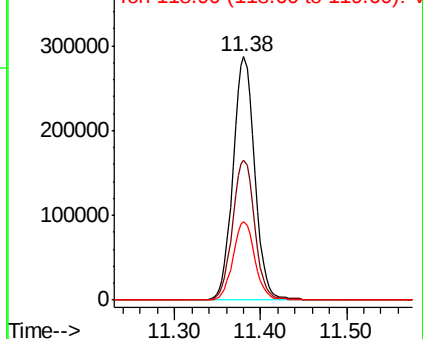


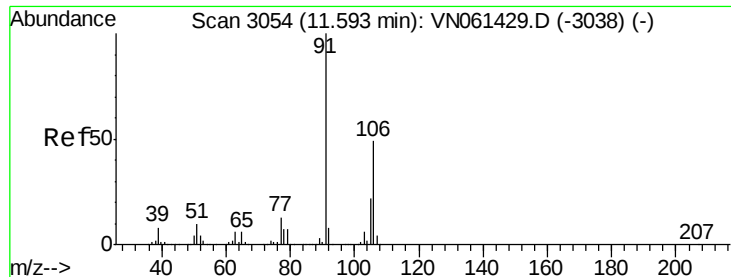
Abundance

Ion 116.90 (116.60 to 117.60): VN061429.D (-2972) (-)

Ion 82.00 (81.70 to 82.70): VN061429.D (-2972) (-)

Ion 118.90 (118.60 to 119.60): VN061429.D (-2972) (-)

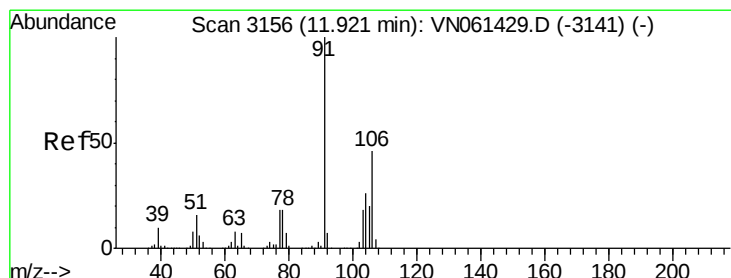
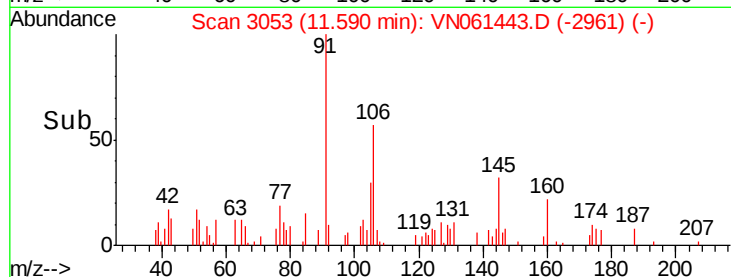
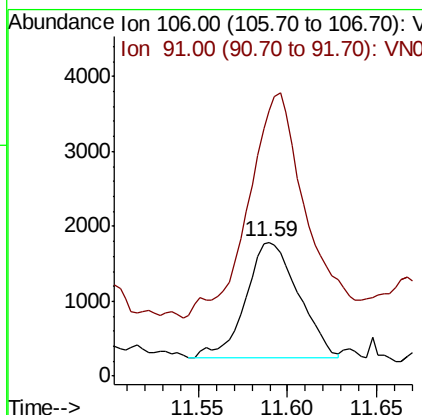
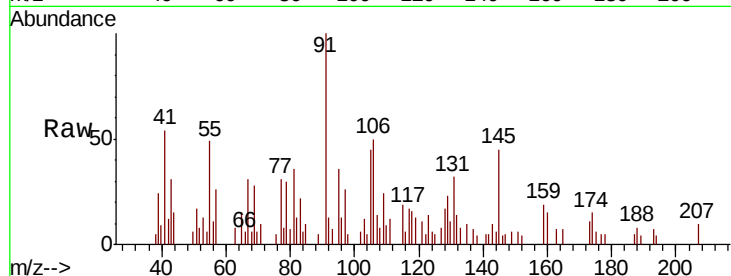




#68
m/p-Xylenes
Concen: 0.453 ug/l
RT: 11.59 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN061443.D
Acq: 18 May 2020 18:37

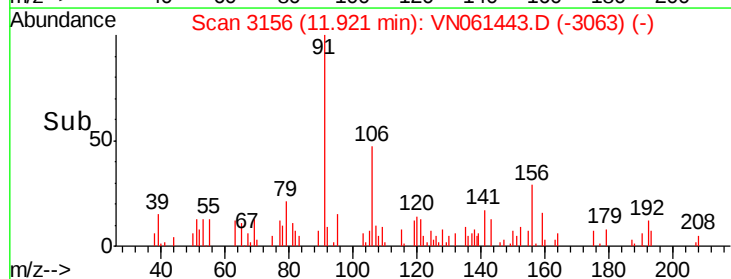
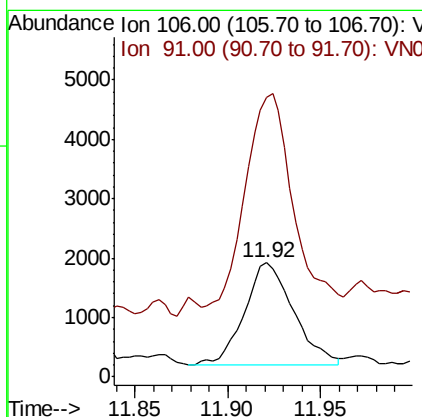
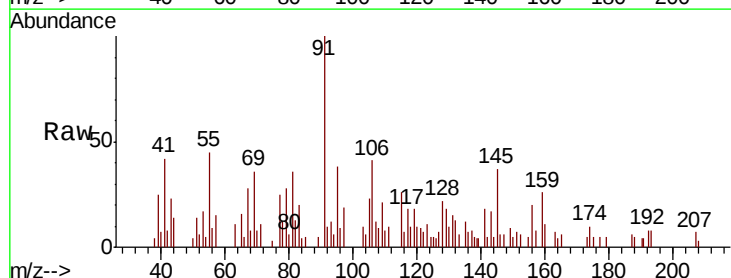
Instrument :
MSVOA_N
ClientSampled :
1363

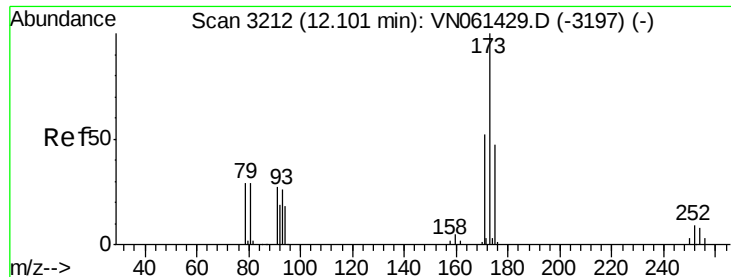
Tot Ion:106 Resp: 3202
Ion Ratio Lower Upper
106 100
91 210.4 163.0 244.6



#69
o-Xylene
Concen: 0.471 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061443.D
Acq: 18 May 2020 18:37

Tgt Ion:106 Resp: 3220
Ion Ratio Lower Upper
106 100
91 199.1 107.9 323.7





#71

Bromoform

Concen: 2.079 ug/l

RT: 12.09 min Scan# 3210

Delta R.T. -0.01 min

Lab File: VN061443.D

Acq: 18 May 2020 18:37

Instrument :

MSVOA_N

ClientSampled :

1363

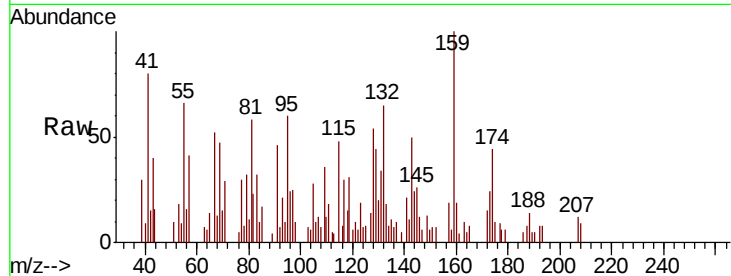
Tot Ion:173 Resp: 175

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.8#

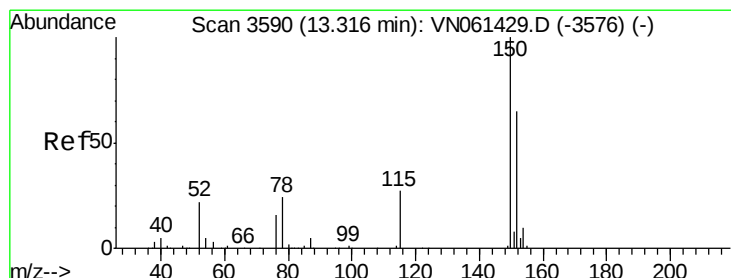
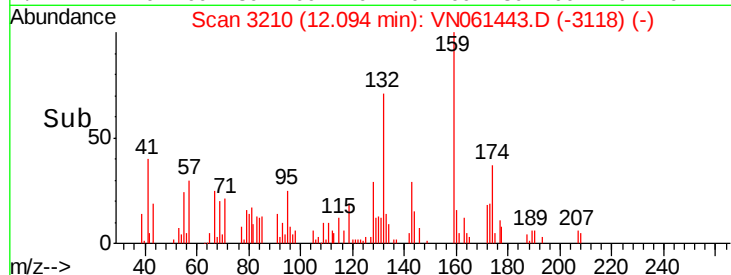
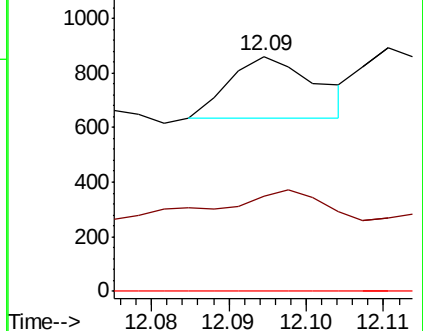
254 0.0 0.0 0.0



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# 3590

Delta R.T. -0.00 min

Lab File: VN061443.D

Acq: 18 May 2020 18:37

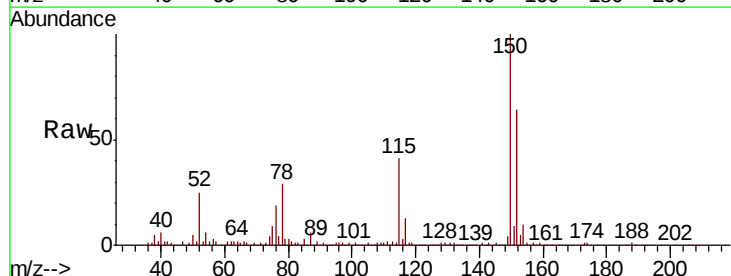
Tgt Ion:152 Resp: 224021

Ion Ratio Lower Upper

152 100

115 62.4 30.9 92.5

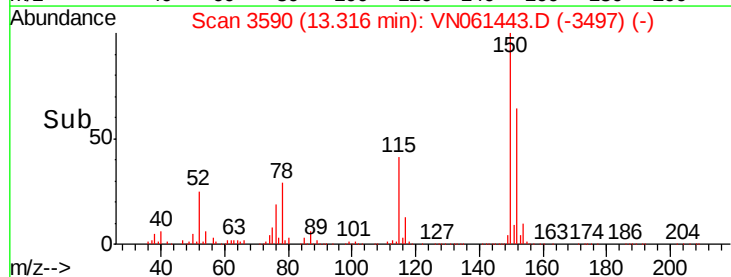
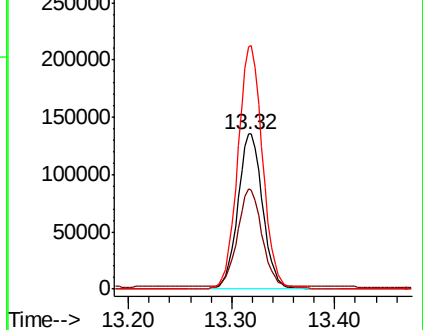
150 157.4 0.0 349.2

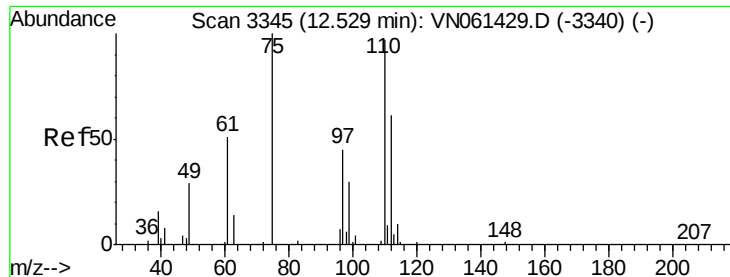


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

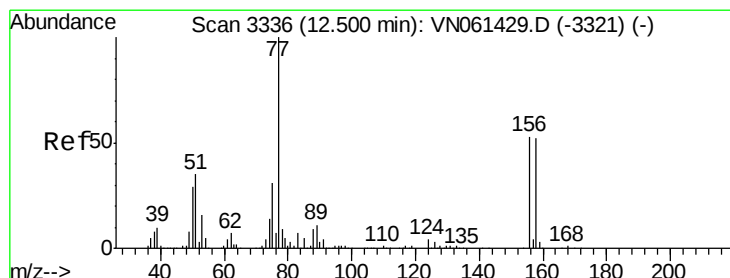
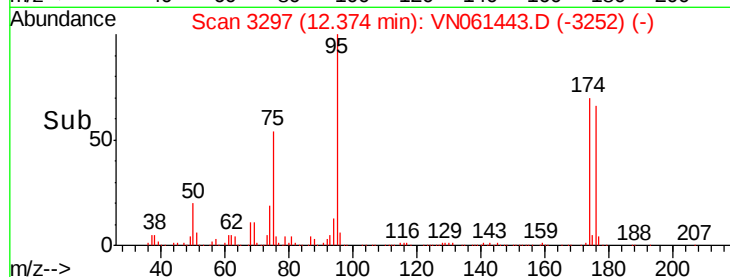
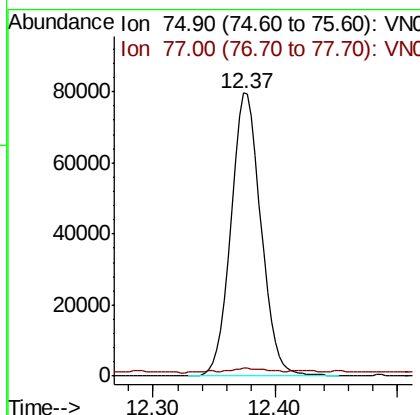
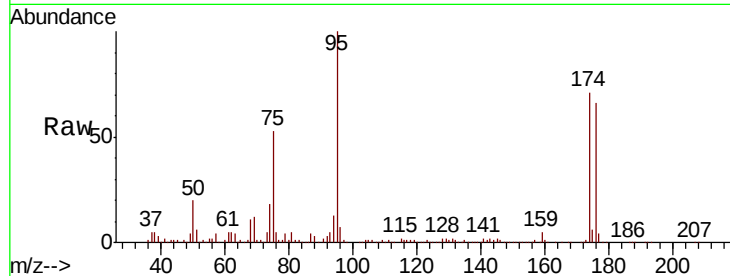




#76
 1,2,3-Trichloropropane
 Concen: 28.182 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.15 min
 Lab File: VN061443.D
 Acq: 18 May 2020 18:37

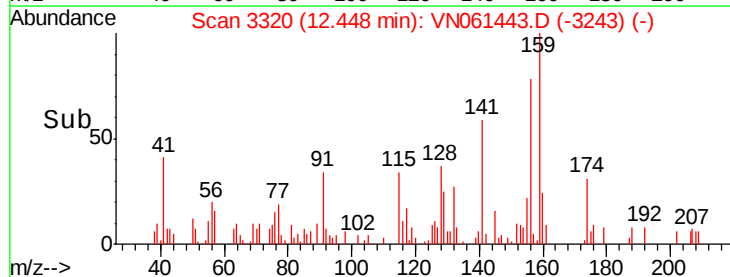
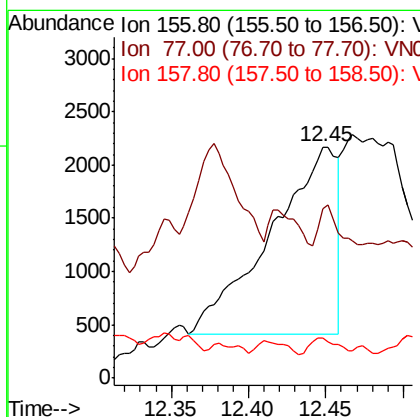
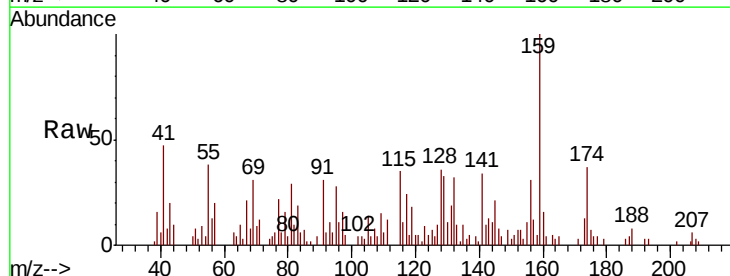
Instrument :
 MSVOA_N
 ClientSampled :
 1363

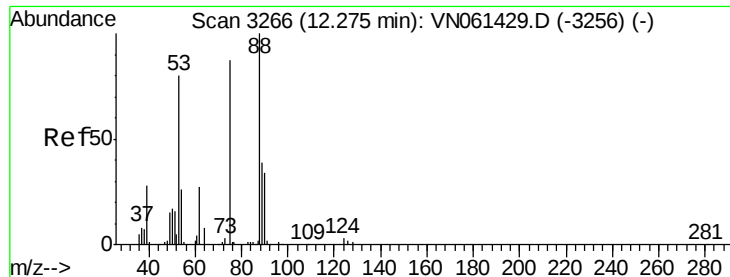
Tot Ion: 75 Resp: 135467
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#77
 Bromobenzene
 Concen: 1.344 ug/l
 RT: 12.45 min Scan# 3320
 Delta R.T. -0.05 min
 Lab File: VN061443.D
 Acq: 18 May 2020 18:37

Tgt Ion: 156 Resp: 5245
 Ion Ratio Lower Upper
 156 100
 77 5.9 112.3 336.9#
 158 3.6 47.9 143.6#

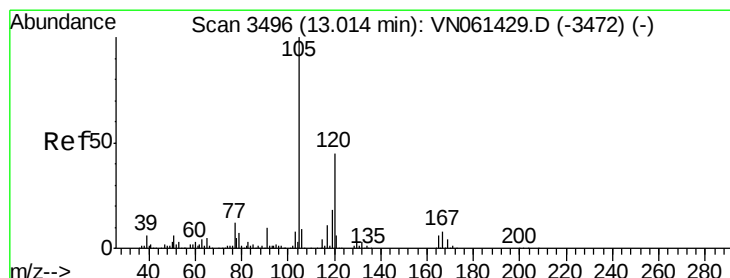
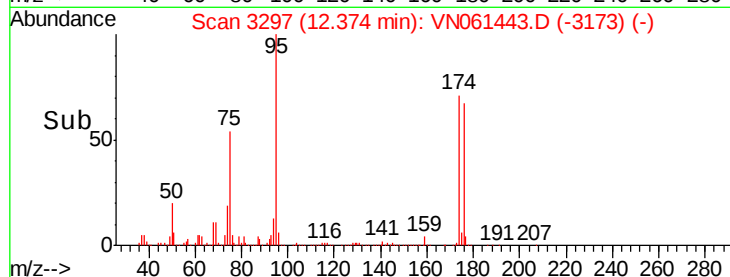
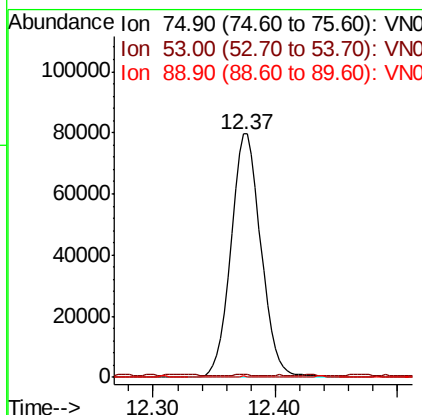
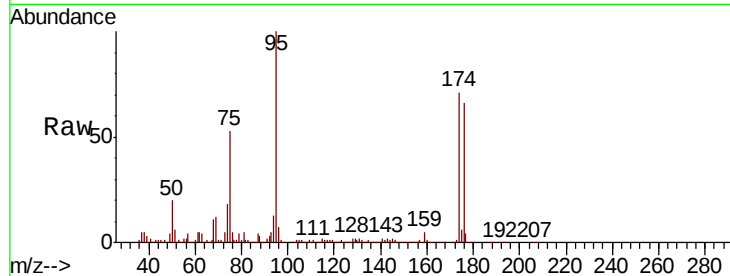




#81
trans-1,4-Dichloro-2-butene
Concen: 74.759 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.10 min
Lab File: VN061443.D
Acq: 18 May 2020 18:37

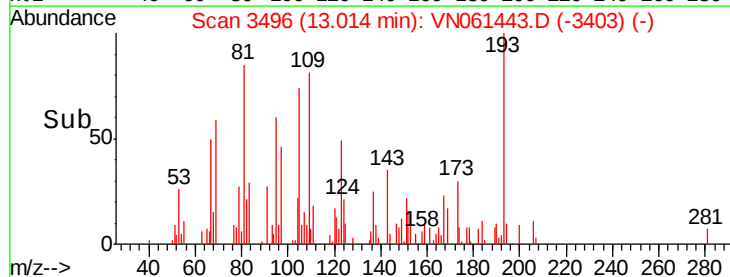
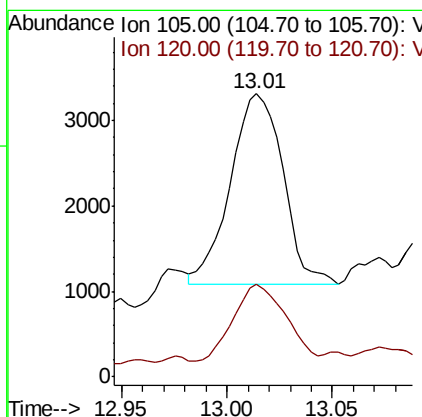
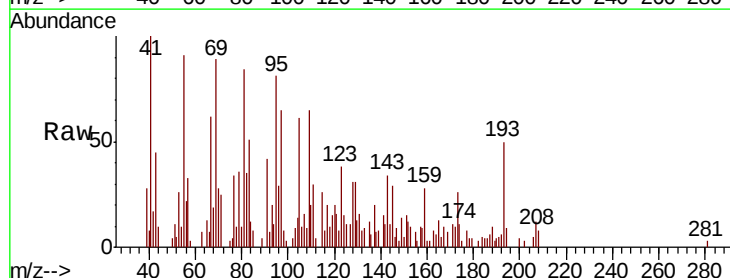
Instrument :
MSVOA_N
ClientSampled :
1363

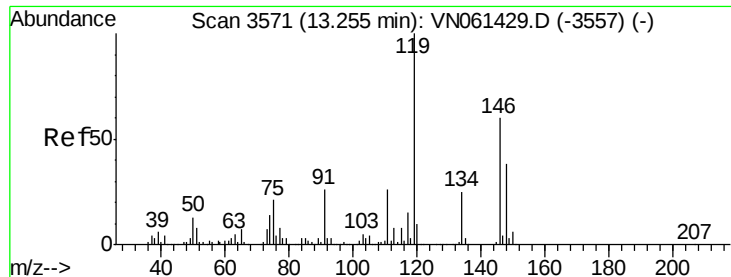
Tot Ion: 75 Resp: 135467
Ion Ratio Lower Upper
75 100
53 0.2 75.2 112.8#
89 0.4 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.261 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061443.D
Acq: 18 May 2020 18:37

Tgt Ion: 105 Resp: 3844
Ion Ratio Lower Upper
105 100
120 39.7 22.4 67.3

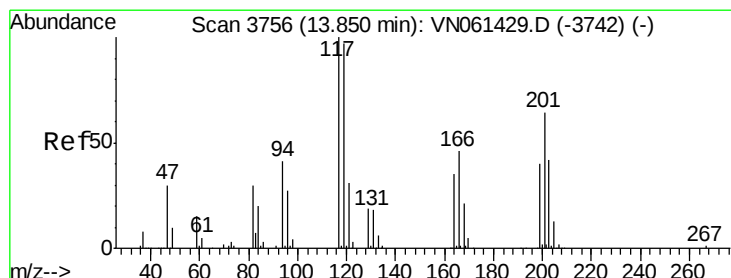
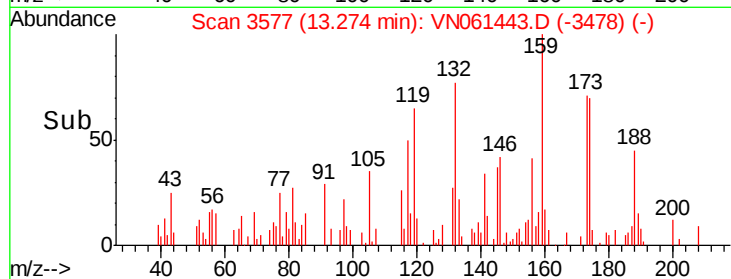
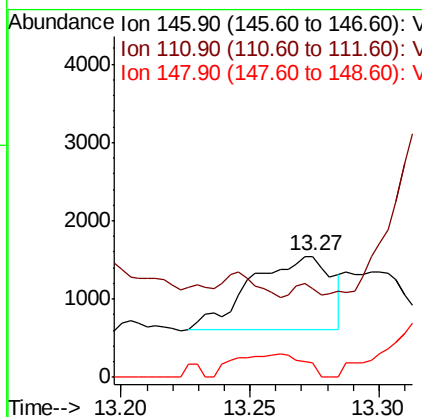
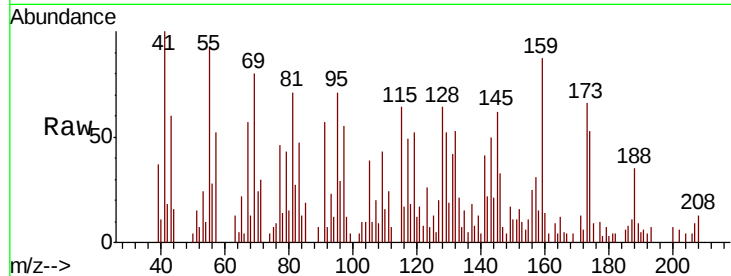




#87
 1,3-Dichlorobenzene
 Concen: 0.286 ug/l
 RT: 13.27 min Scan# 3577
 Delta R.T. 0.02 min
 Lab File: VN061443.D
 Acq: 18 May 2020 18:37

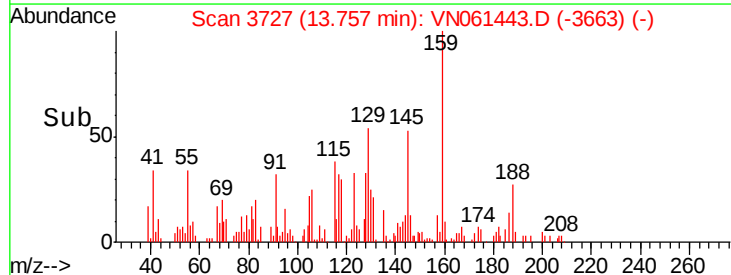
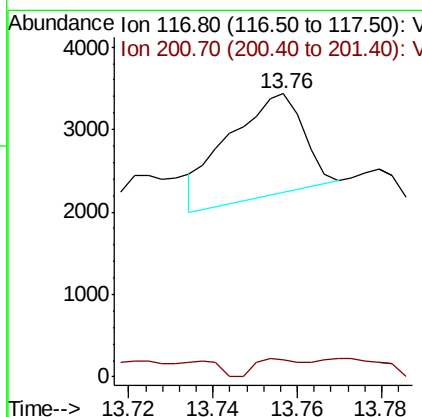
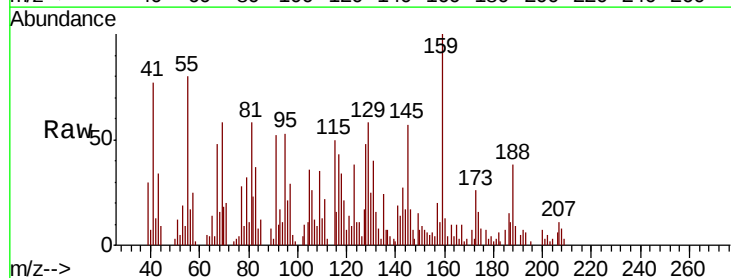
Instrument :
 MSVOA_N
 ClientSampled :
 1363

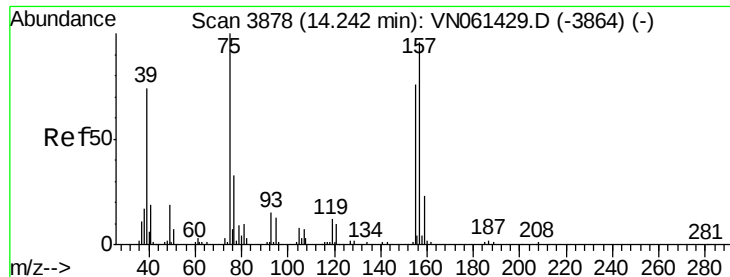
Tot Ion:146 Resp: 2046
 Ion Ratio Lower Upper
 146 100
 111 5.3 21.5 64.5#
 148 27.2 31.8 95.3#



#90
 Hexachloroethane
 Concen: 0.748 ug/l
 RT: 13.76 min Scan# 3727
 Delta R.T. -0.09 min
 Lab File: VN061443.D
 Acq: 18 May 2020 18:37

Tgt Ion:117 Resp: 1536
 Ion Ratio Lower Upper
 117 100
 201 9.6 32.9 98.7#

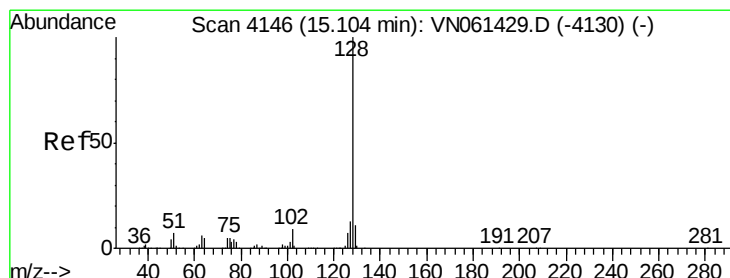
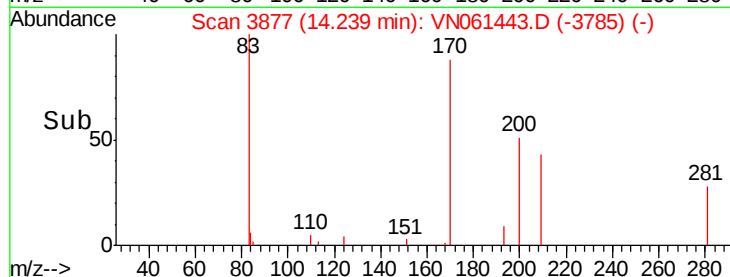
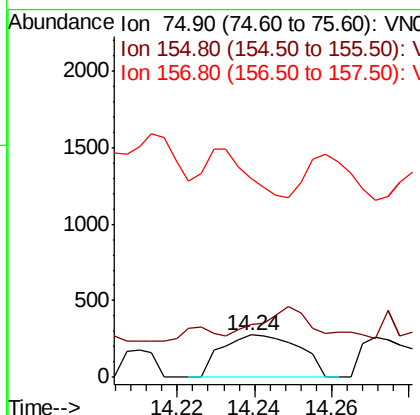
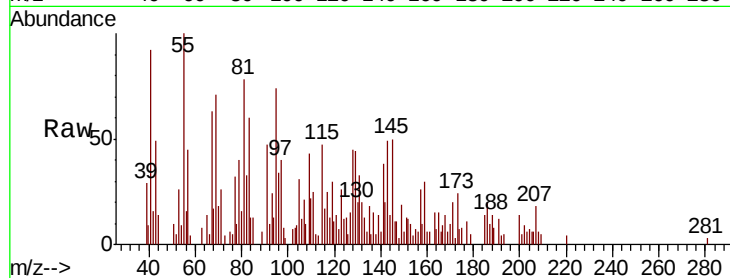




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.386 ug/l
 RT: 14.24 min Scan# 3877
 Delta R.T. -0.00 min
 Lab File: VN061443.D
 Acq: 18 May 2020 18:37

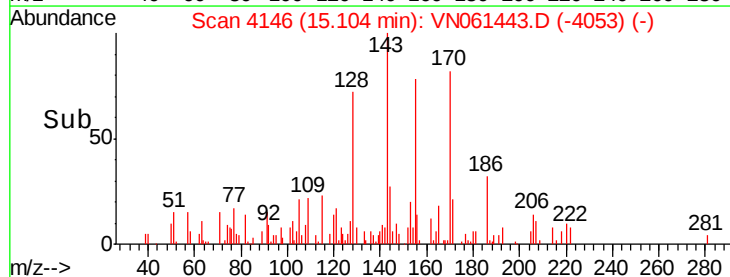
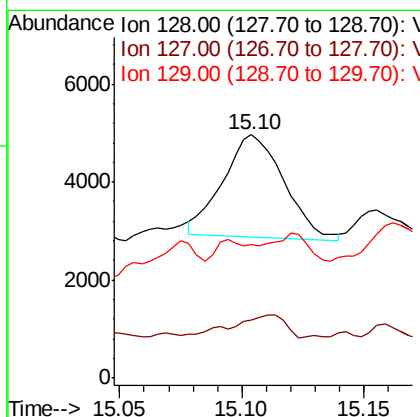
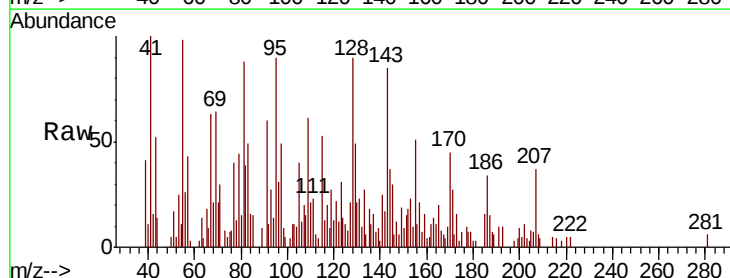
Instrument :
 MSVOA_N
 ClientSampled :
 1363

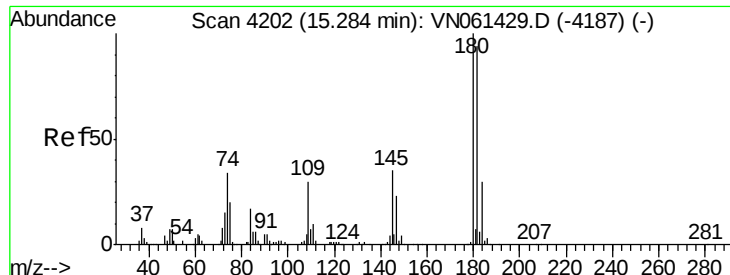
Tot Ion: 75 Resp: 386
 Ion Ratio Lower Upper
 75 100
 155 38.6 38.9 116.7#
 157 58.3 48.6 145.8



#95
 Naphthalene
 Concen: 0.308 ug/l
 RT: 15.10 min Scan# 4146
 Delta R.T. -0.00 min
 Lab File: VN061443.D
 Acq: 18 May 2020 18:37

Tgt Ion: 128 Resp: 3634
 Ion Ratio Lower Upper
 128 100
 127 17.2 10.1 15.1#
 129 12.5 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.200 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.02 min
 Lab File: VN061443.D
 Acq: 18 May 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 1363

Tot Ion	Ratio	Lower	Upper
180	100		
182	67.3	47.8	143.3
145	0.0	17.3	51.9

