

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 :

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

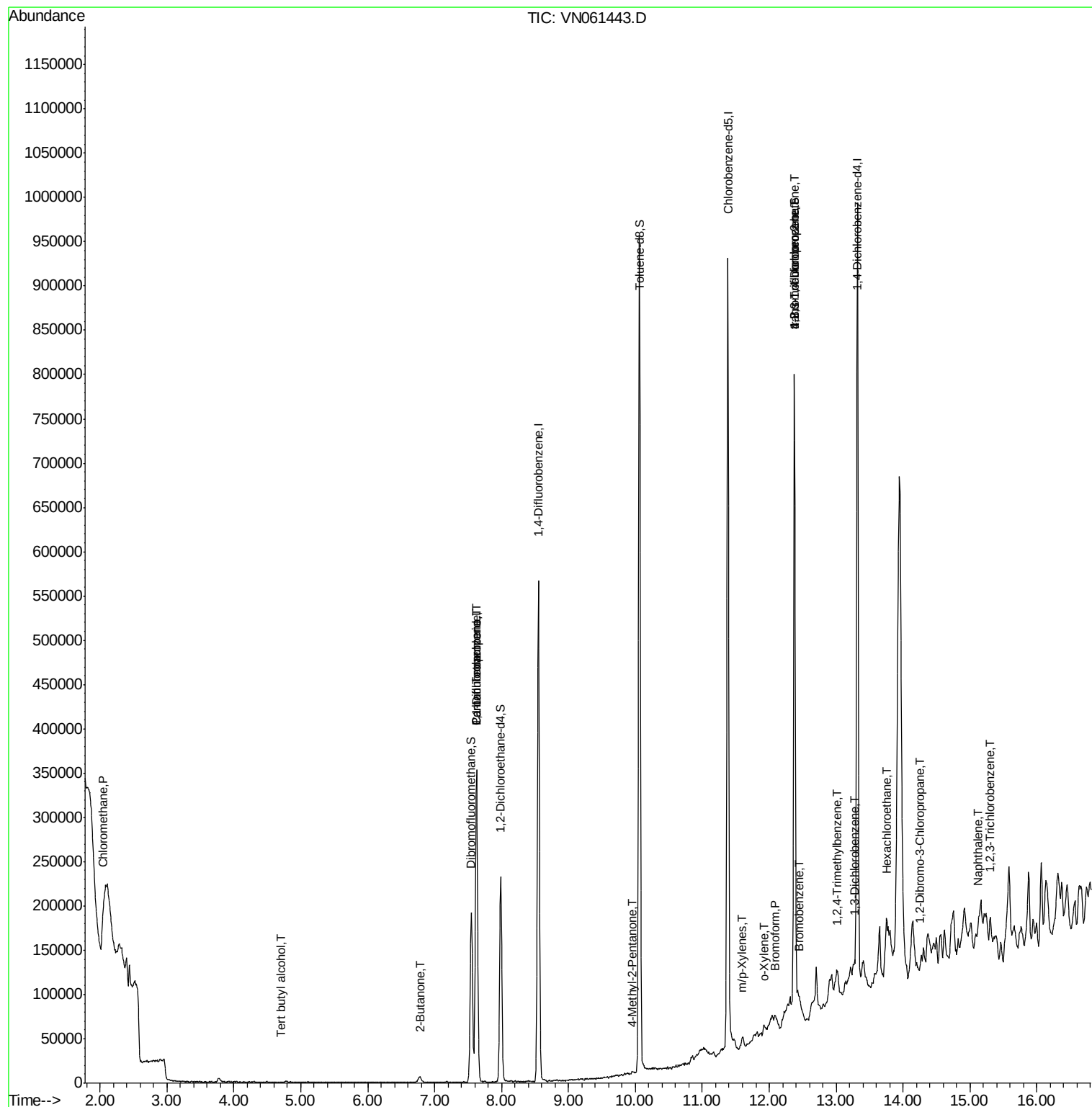
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	274219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	504575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	499734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	224021	50.00	ug/l	0.00
System Monitoring Compounds						
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

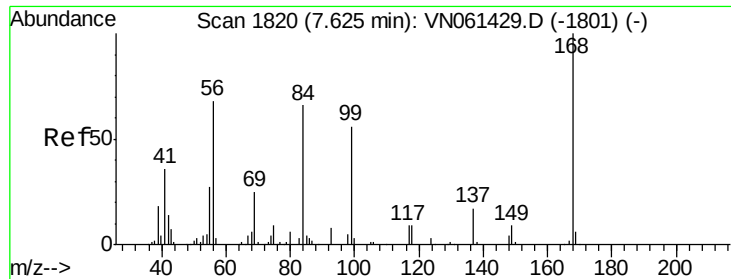
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 :

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

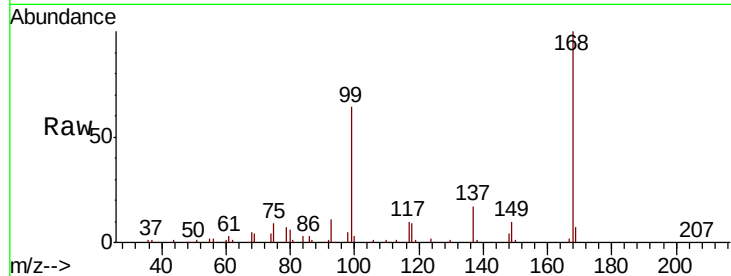
Instrument :
MSVOA_N
ClientSampleId :

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): VN0

7.63

120000

100000

80000

60000

40000

20000

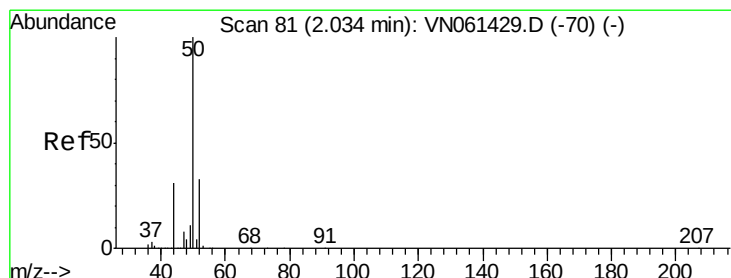
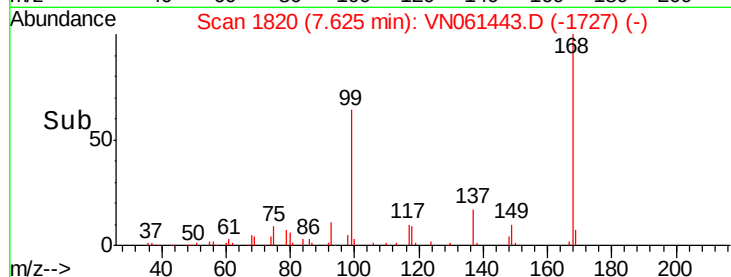
0

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

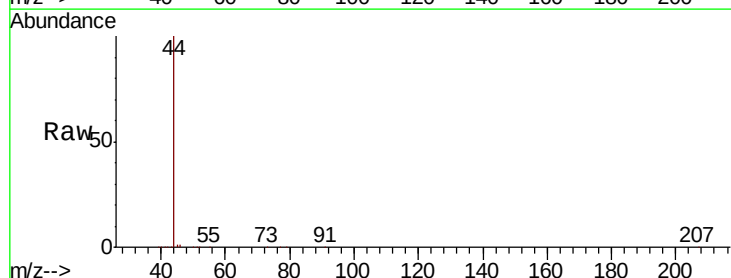
Acq: 18 May 2020 18:37

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): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

800

600

400

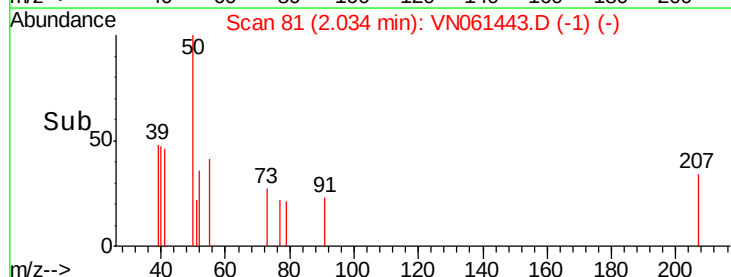
200

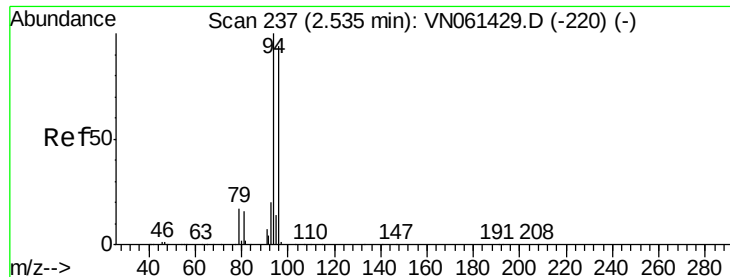
0

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

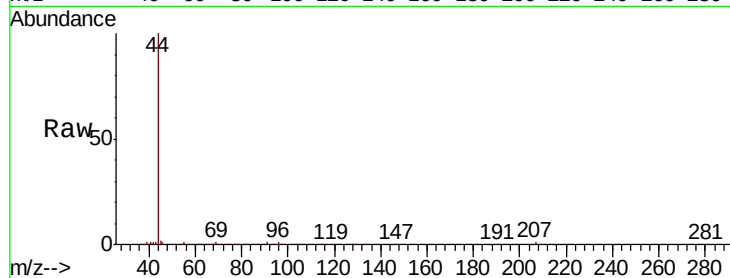
ClientSampleId :

Tot Ion: 94 Resp: 232

Ion Ratio Lower Upper

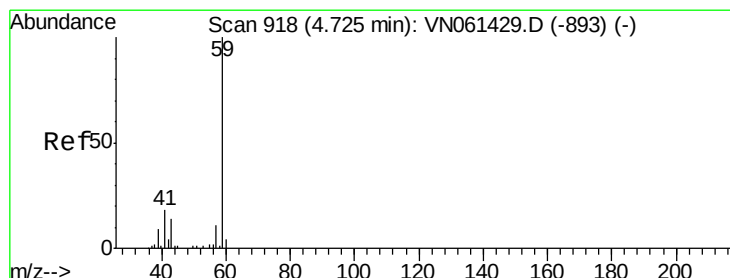
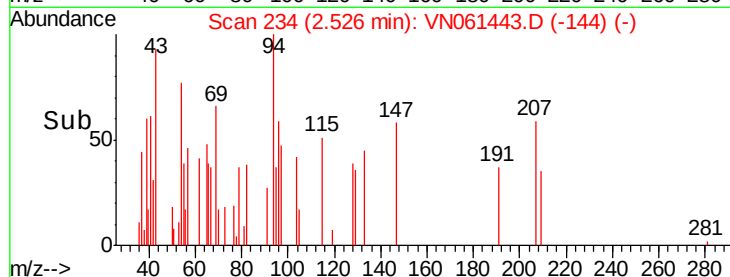
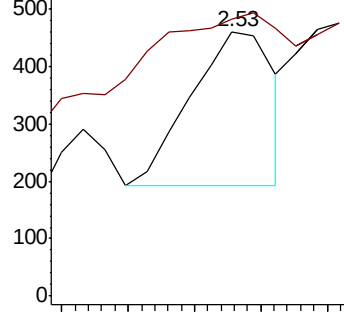
94 100

96 39.2 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#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

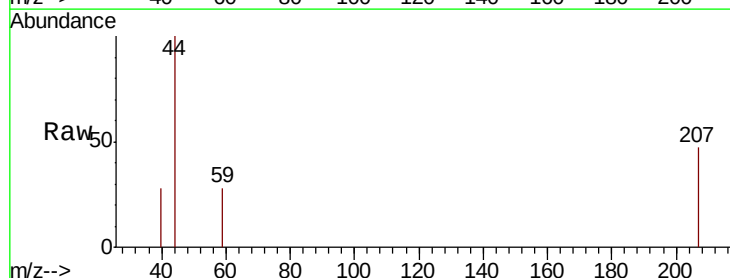
Acq: 18 May 2020 18:37

Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

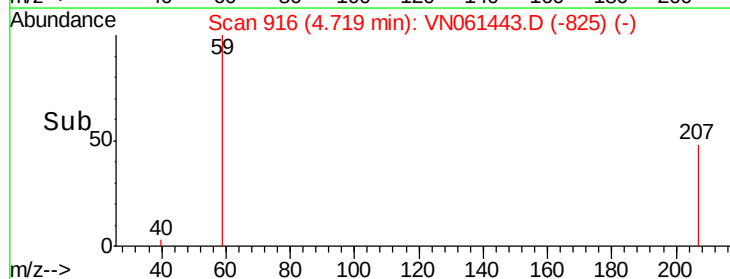
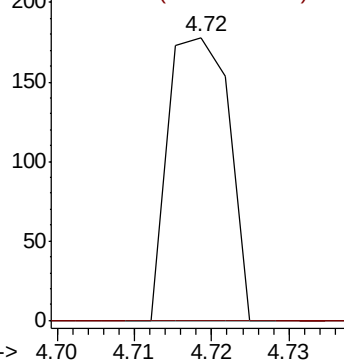
59 100

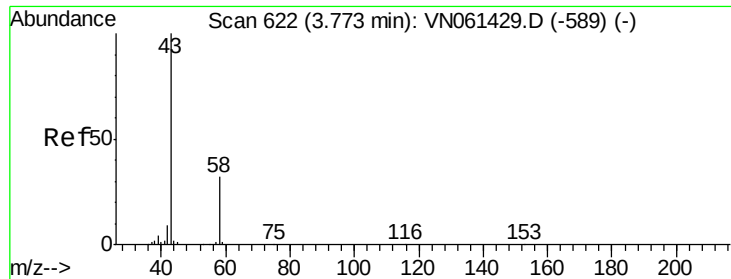
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#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

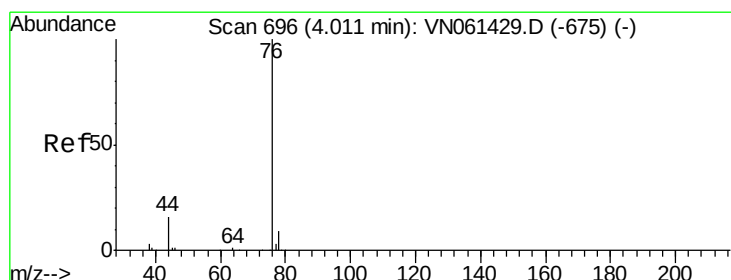
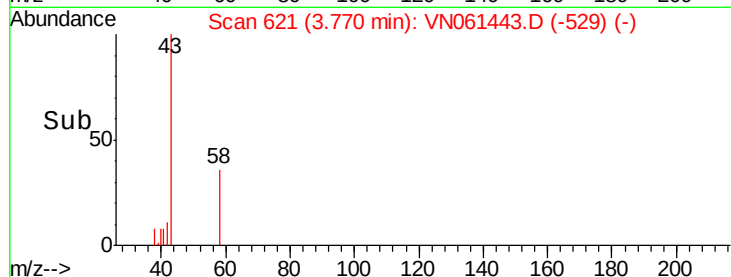
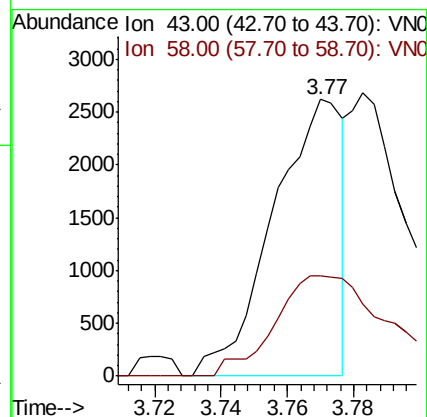
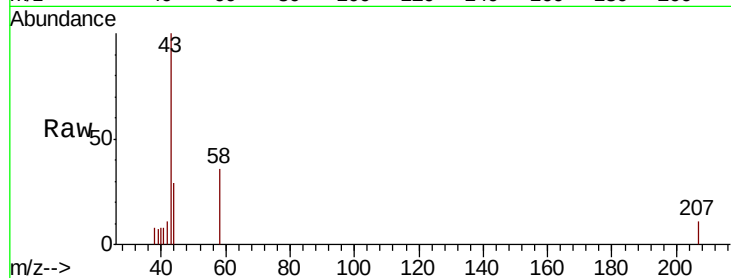
ClientSampled :

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

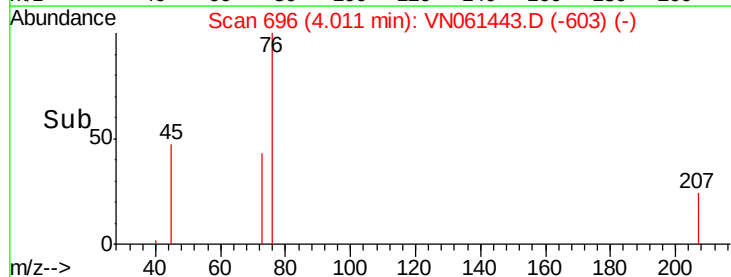
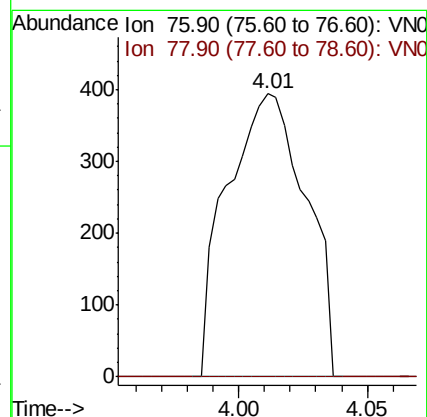
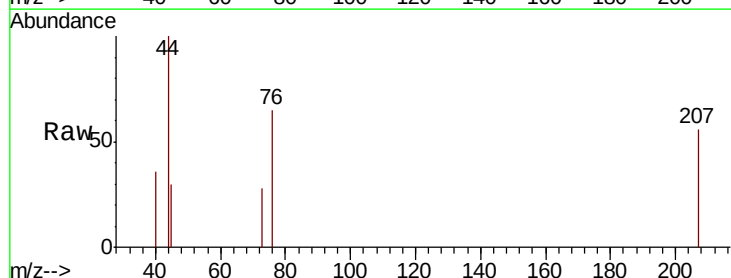
Acq: 18 May 2020 18:37

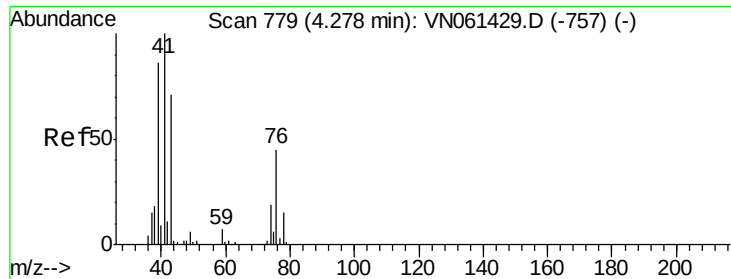
Tgt Ion: 76 Resp: 839

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

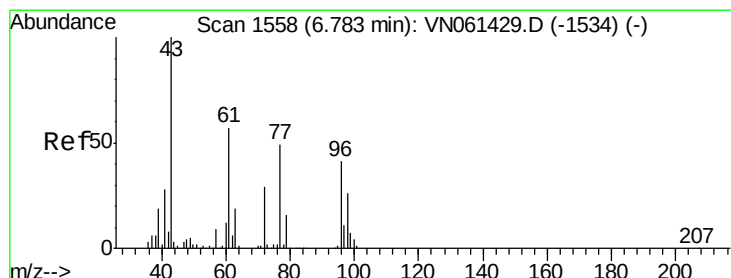
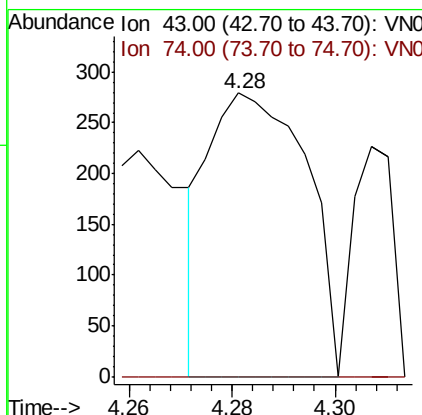
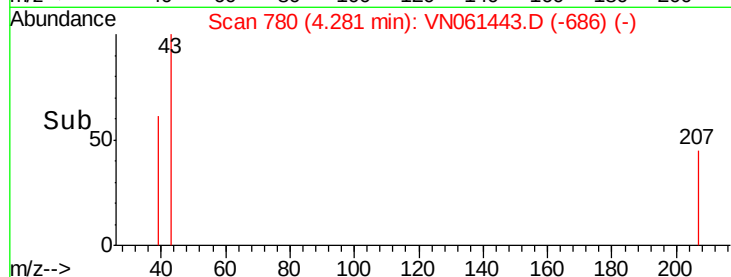
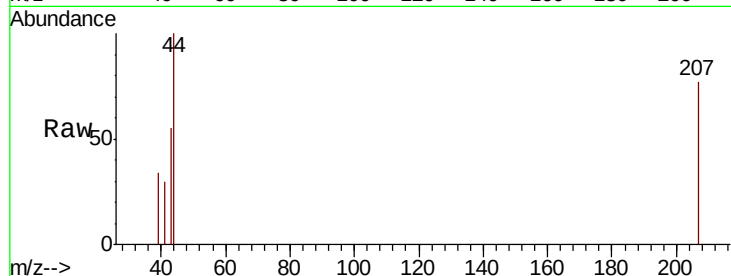




#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN061443.D
Acq: 18 May 2020 18:37

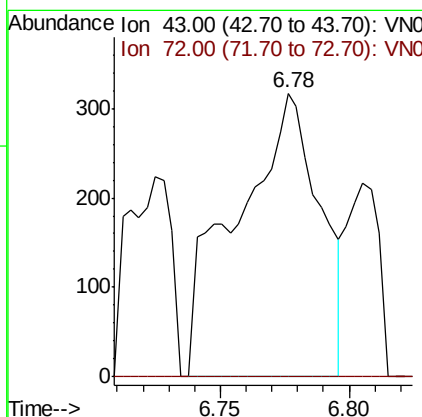
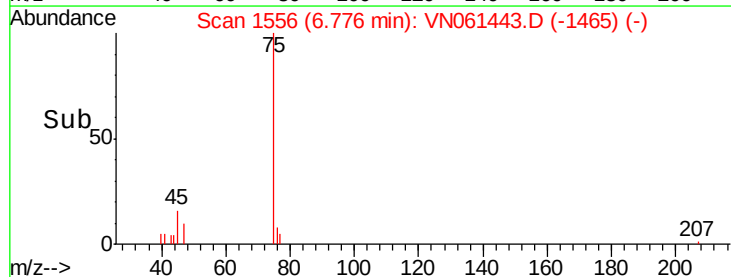
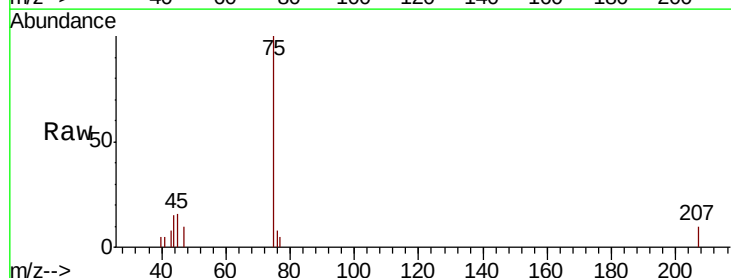
Instrument :
MSVOA_N
ClientSampled :

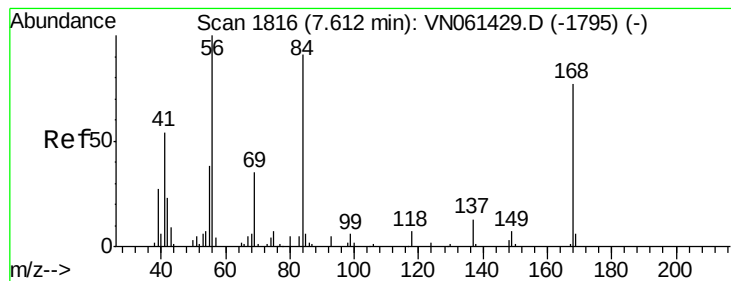
Tot Ion: 43 Resp: 369
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#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 :

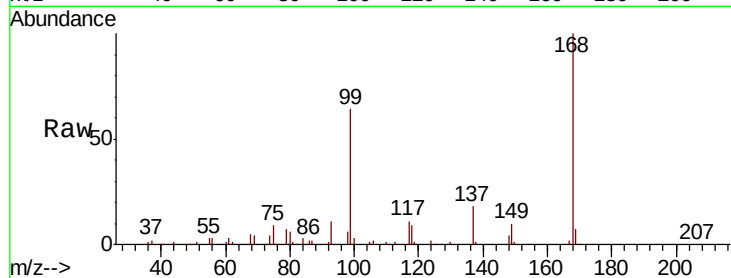
Tot Ion: 56 Resp: 6775

Ion Ratio Lower Upper

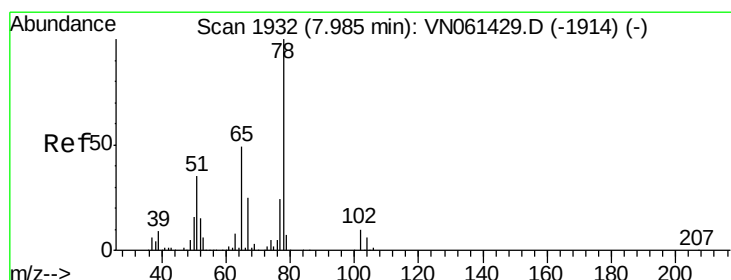
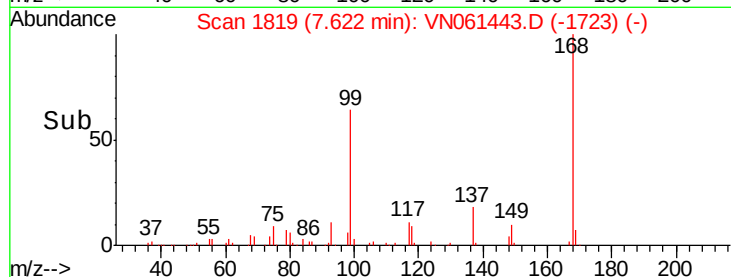
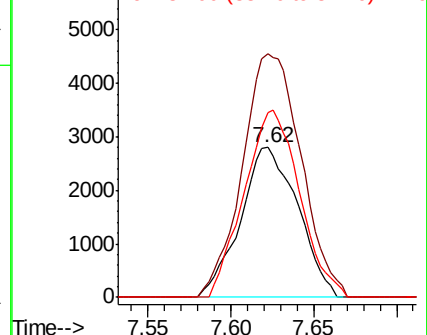
56 100

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

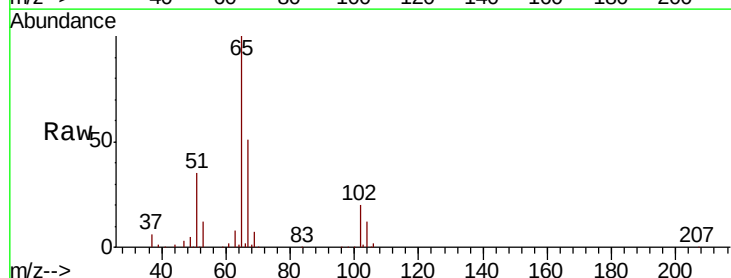
Acq: 18 May 2020 18:37

Tgt Ion: 65 Resp: 200299

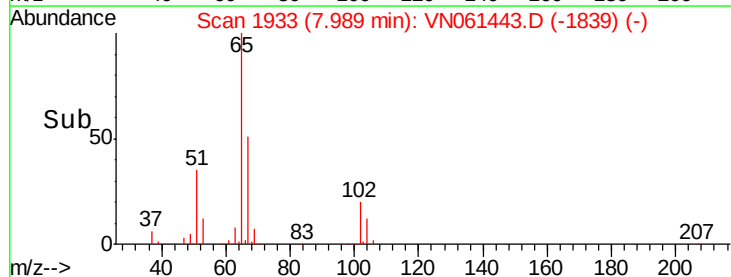
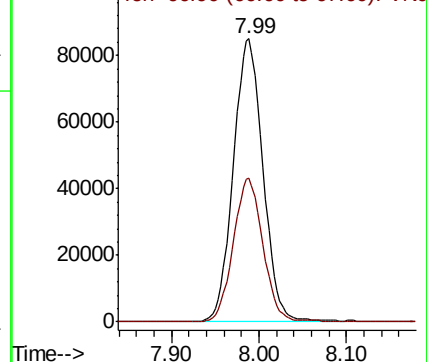
Ion Ratio Lower Upper

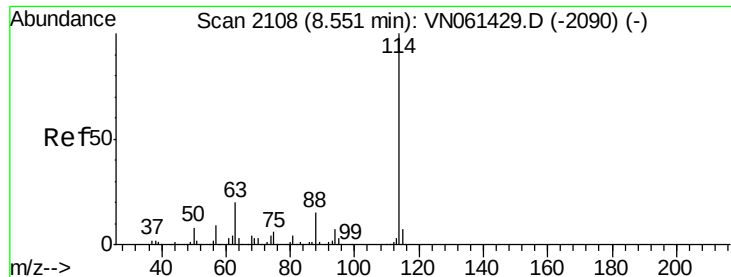
65 100

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

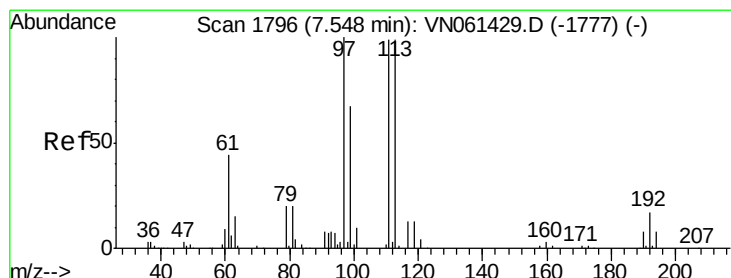
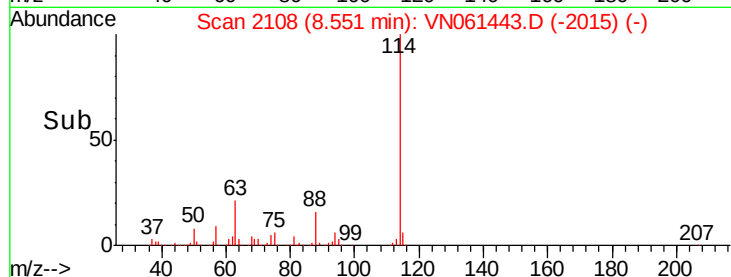
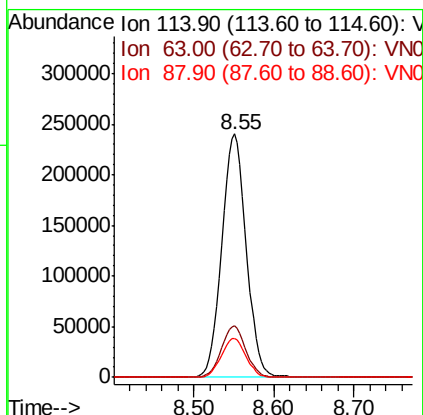
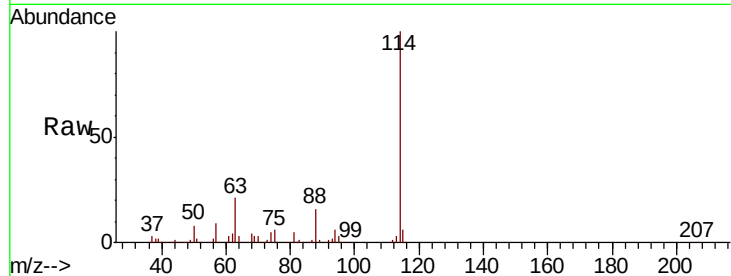




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061443.D
 Acq: 18 May 2020 18:37

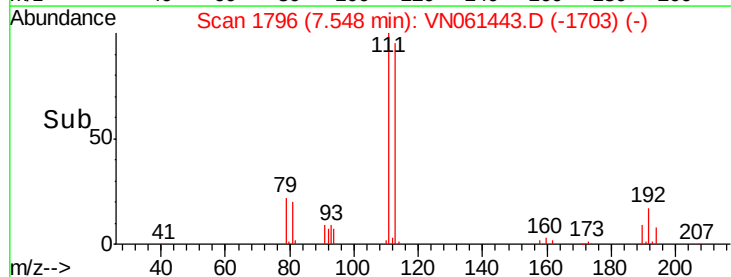
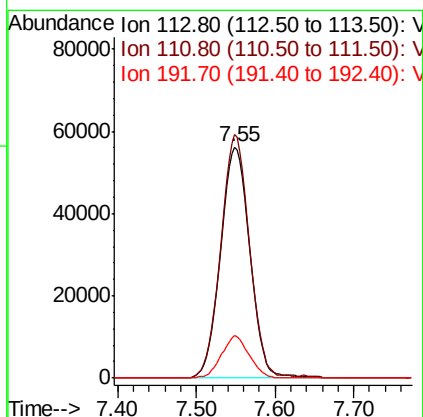
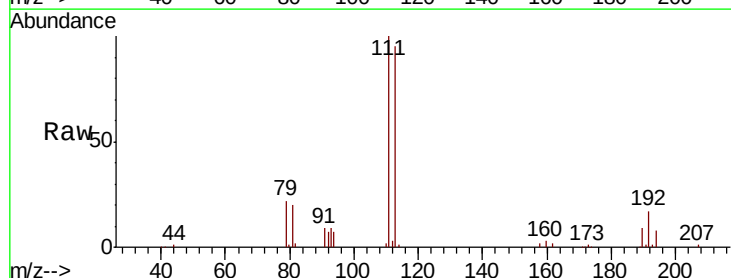
Instrument :
 MSVOA_N
 ClientSampleId :

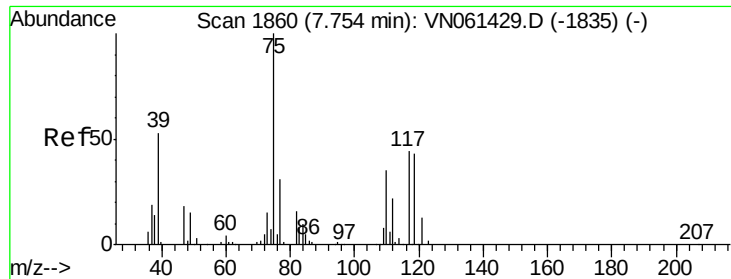
Tot Ion:114 Resp: 504575
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.8
 88 16.2 0.0 30.8



#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

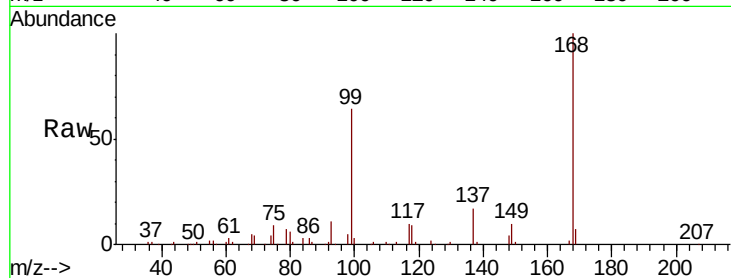




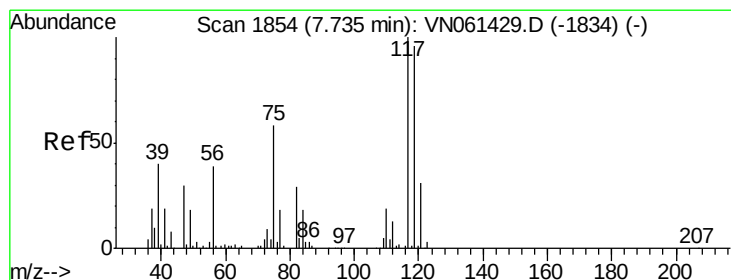
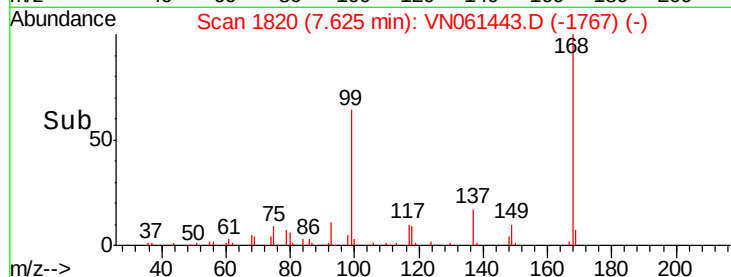
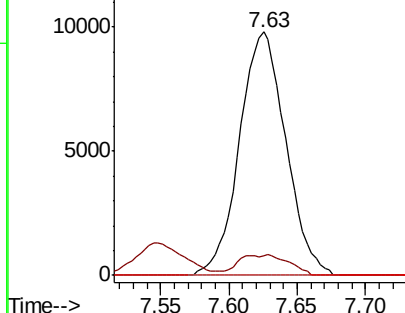
#36
 1,1-Dichloropropene
 Concen: 4.890 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061443.D
 Acq: 18 May 2020 18:37

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	75	Resp	23072
Ion Ratio	Lower	Upper	
75	100		
110	3.1	17.3	51.9#
77	0.0	24.9	37.3#

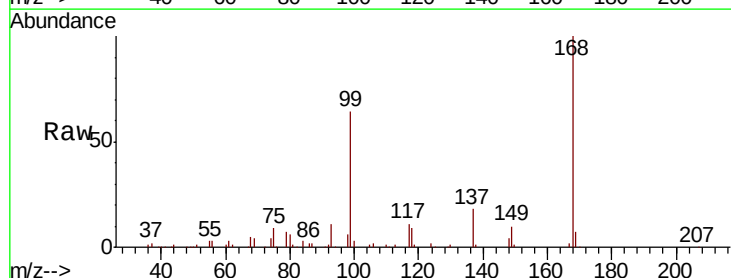


Abundance Ion 74.90 (74.60 to 75.60): VN061443.D (-1767) (-)
 Ion 109.90 (109.60 to 110.60): VN061443.D (-1767) (-)
 Ion 76.90 (76.60 to 77.60): VN061443.D (-1767) (-)

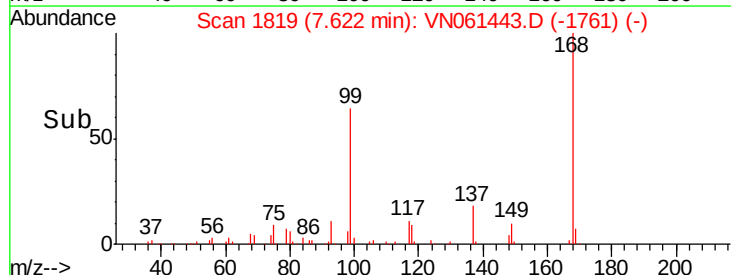
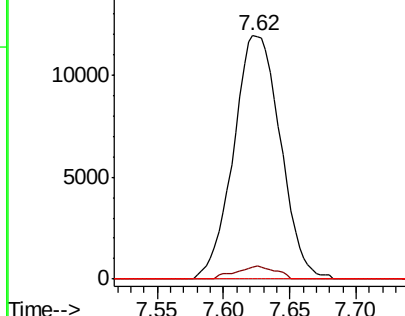


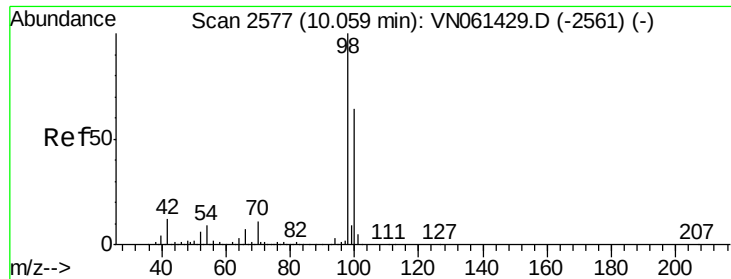
#38
 Carbon Tetrachloride
 Concen: 6.753 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN061443.D
 Acq: 18 May 2020 18:37

Tgt Ion	117	Resp	29336
Ion Ratio	Lower	Upper	
117	100		
119	5.0	77.0	115.6#
121	0.0	24.7	37.1#



Abundance Ion 116.80 (116.50 to 117.50): VN061443.D (-1761) (-)
 Ion 118.80 (118.50 to 119.50): VN061443.D (-1761) (-)
 Ion 120.80 (120.50 to 121.50): VN061443.D (-1761) (-)





#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

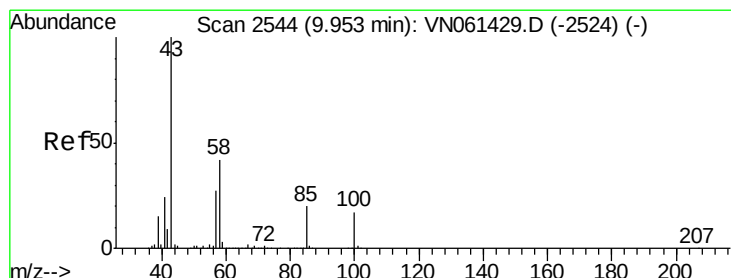
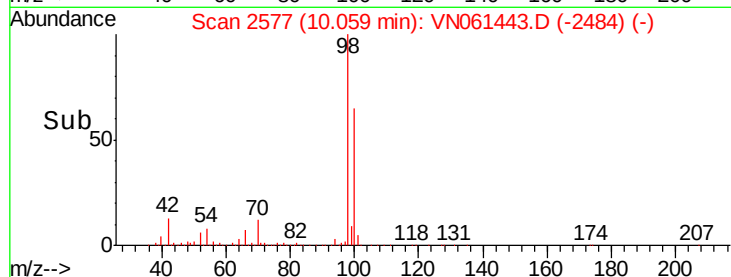
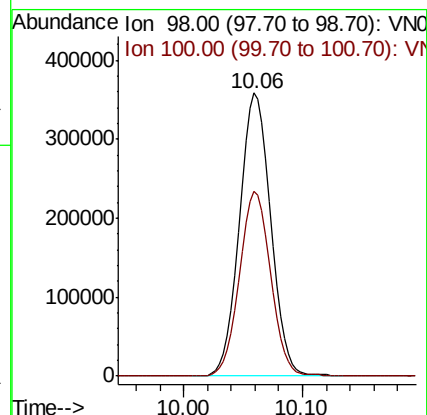
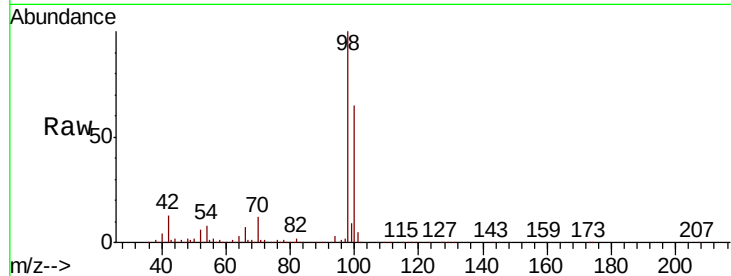
ClientSampled :

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

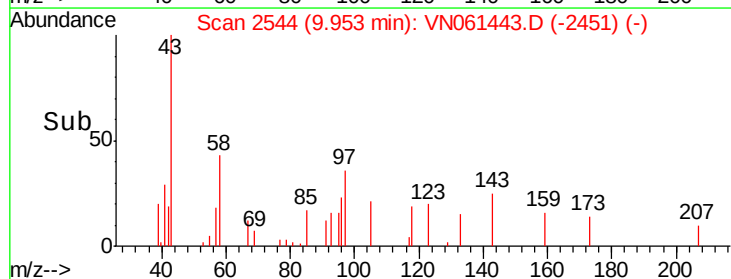
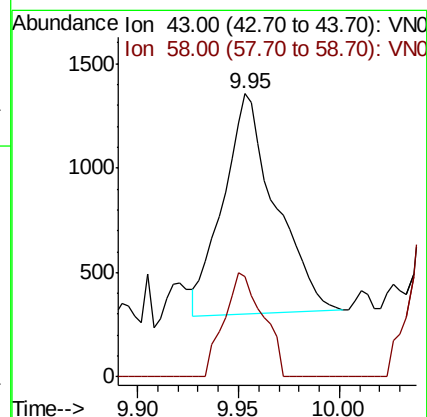
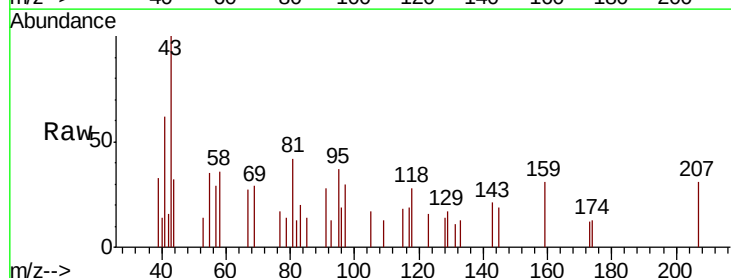
Acq: 18 May 2020 18:37

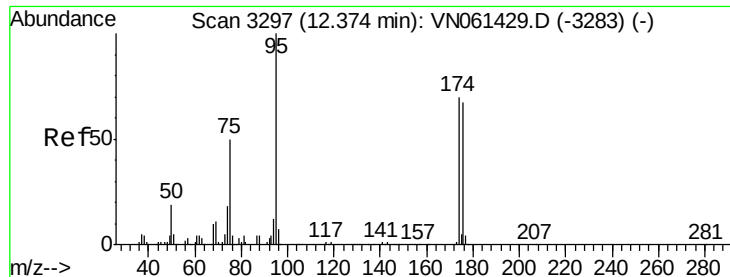
Tgt Ion: 43 Resp: 1907

Ion Ratio Lower Upper

43 100

58 35.2 33.4 50.2

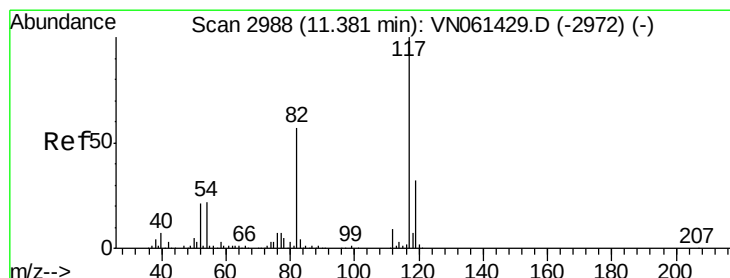
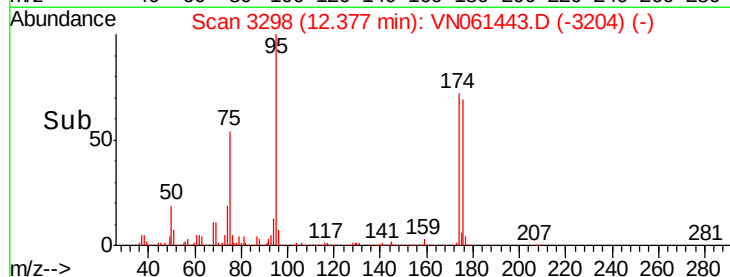
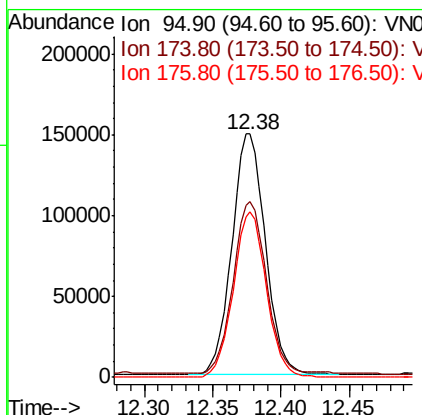
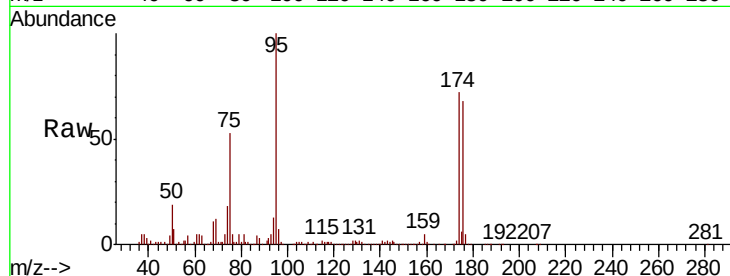




#62
4-Bromofluorobenzene
Concen: 55.118 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061443.D
Acq: 18 May 2020 18:37

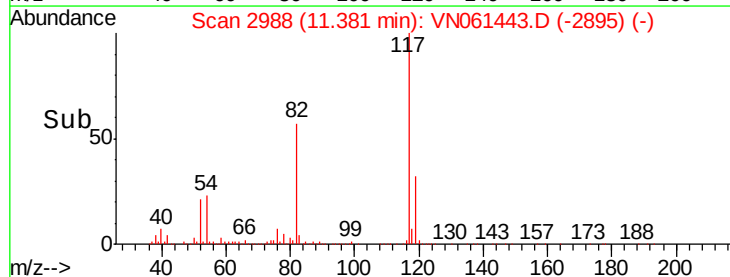
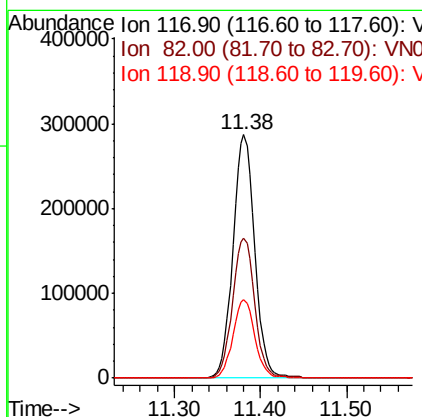
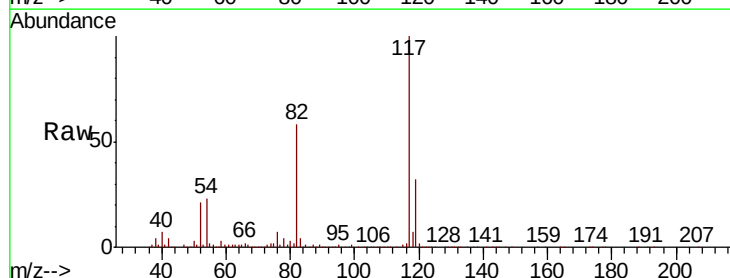
Instrument :
MSVOA_N
ClientSampleId :

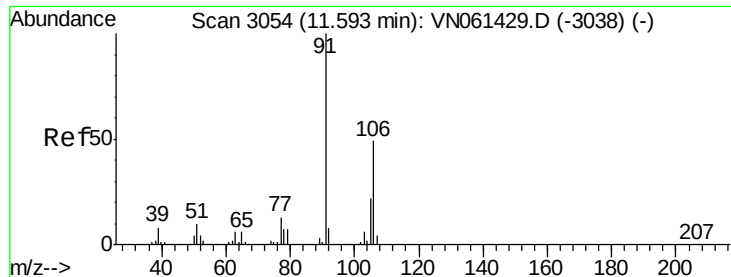
Tot Ion	95	Resp	252470
Ion Ratio	Lower	Upper	
95	100		
174	70.3	0.0	141.2
176	68.1	0.0	137.6



#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

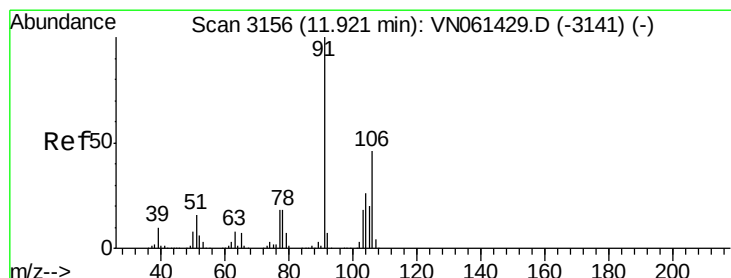
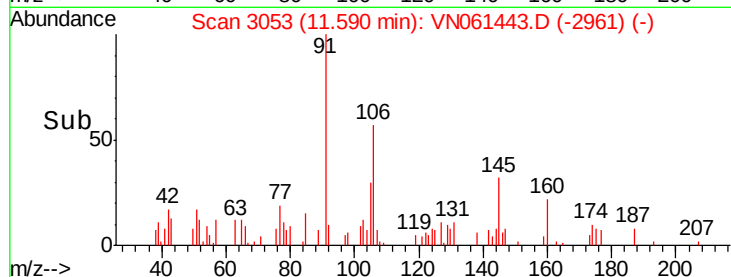
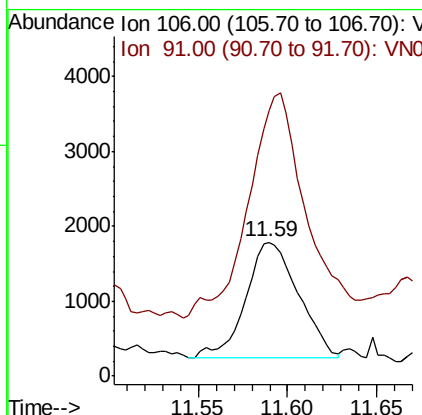
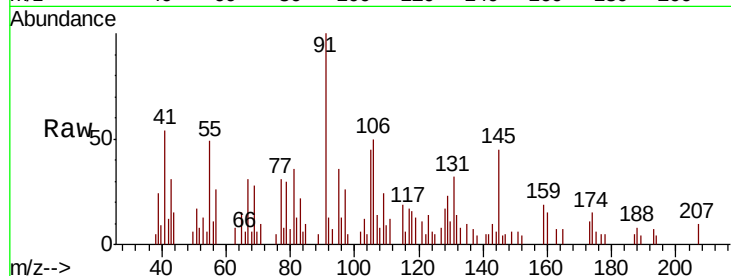




#68
m/p-Xylenes
Concen: 0.453 ug/l
RT: 11.59 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN061443.D
Acq: 18 May 2020 18:37

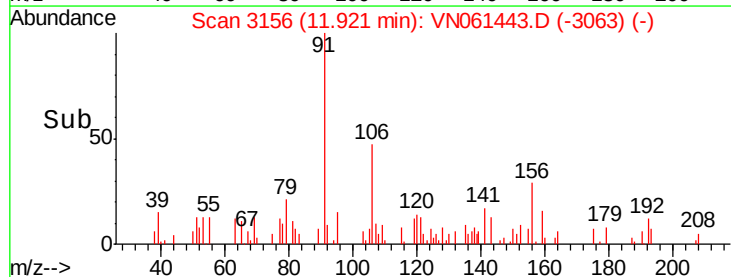
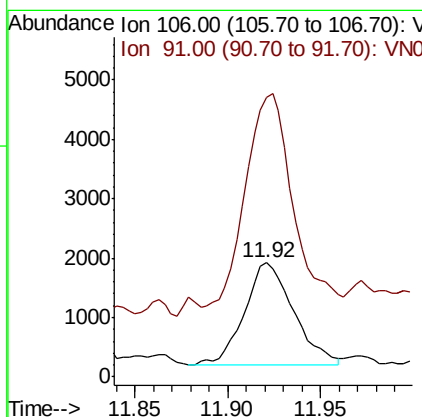
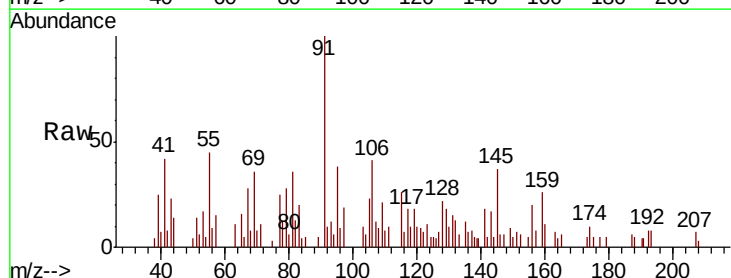
Instrument :
MSVOA_N
ClientSampled :

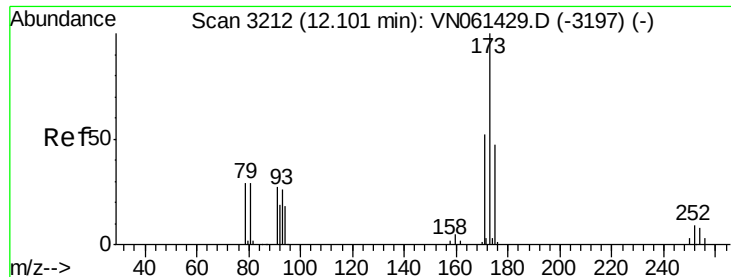
Tot Ion:106 Resp: 3202
Ion Ratio Lower Upper
106 100
91 210.4 163.0 244.6



#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 :

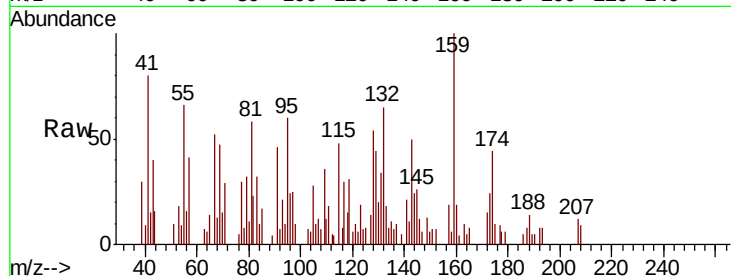
Tot Ion:173 Resp: 175

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.8#

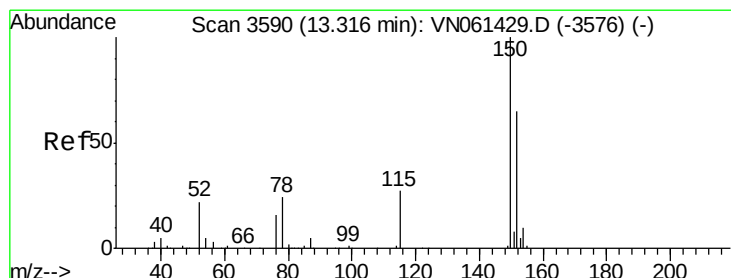
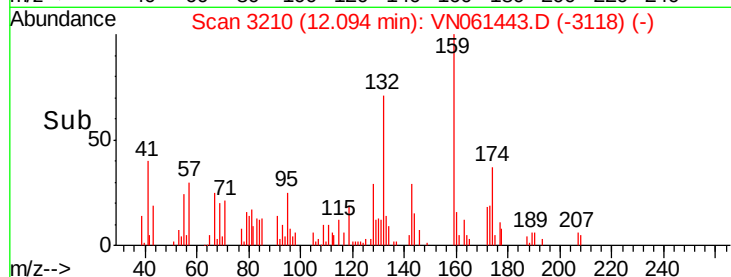
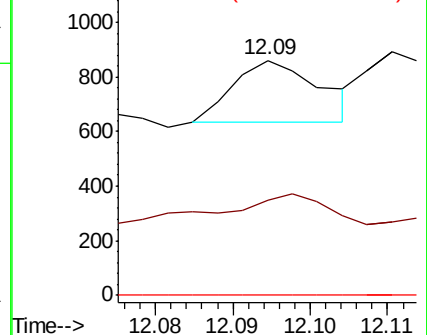
254 0.0 0.0 0.0



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

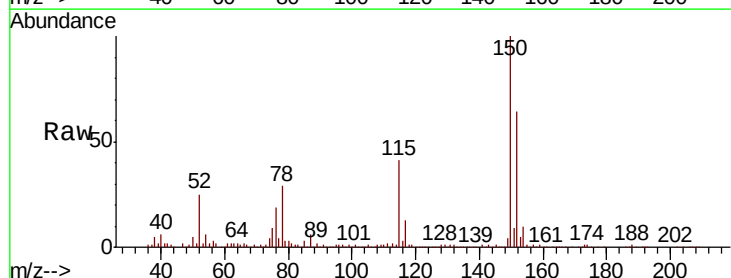
Tgt Ion:152 Resp: 224021

Ion Ratio Lower Upper

152 100

115 62.4 30.9 92.5

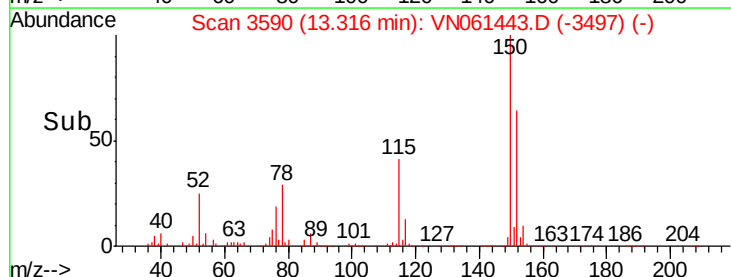
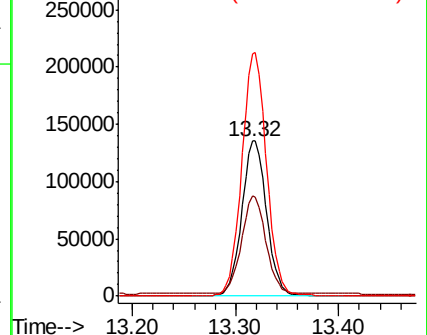
150 157.4 0.0 349.2

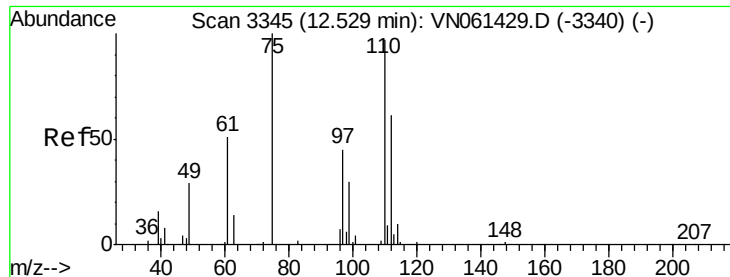


Abundance Ion 151.90 (151.60 to 152.60): V

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

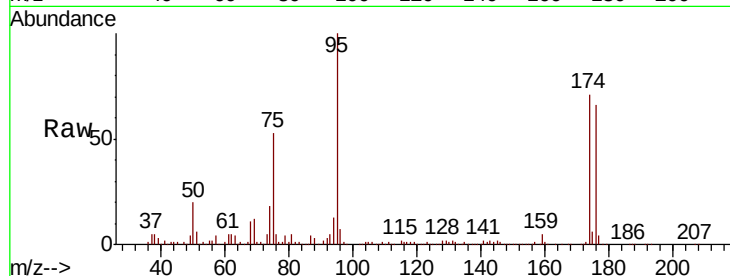
ClientSampled :

Tot Ion: 75 Resp: 135467

Ion Ratio Lower Upper

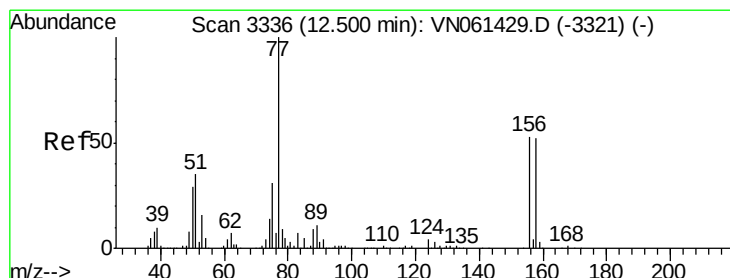
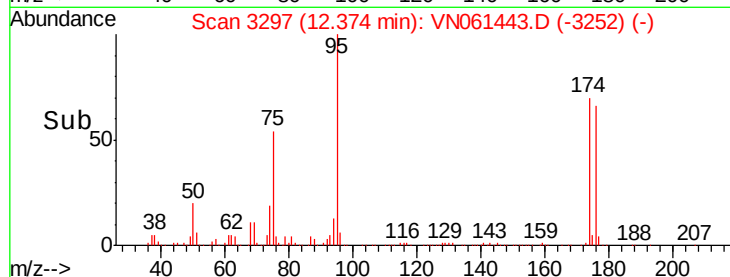
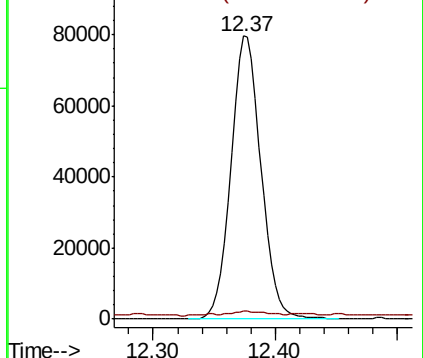
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061429.D (-3340) (-)



#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

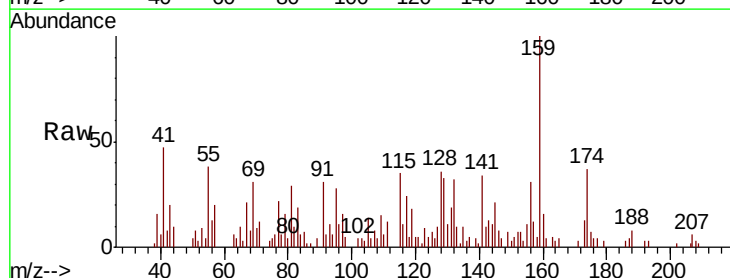
Tgt Ion: 156 Resp: 5245

Ion Ratio Lower Upper

156 100

77 5.9 112.3 336.9#

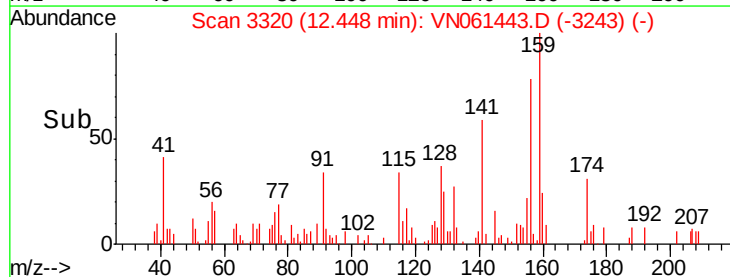
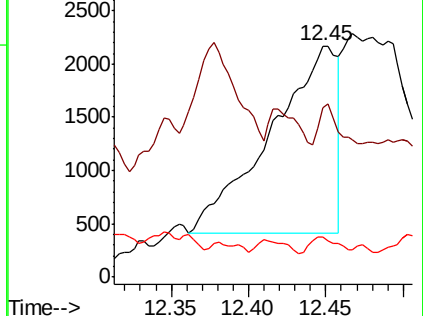
158 3.6 47.9 143.6#

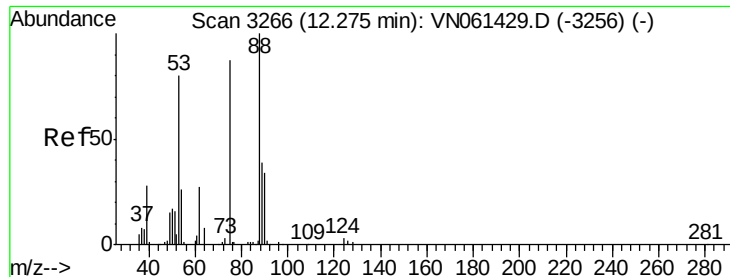


Abundance Ion 155.80 (155.50 to 156.50): VN061429.D (-3321) (-)

Ion 77.00 (76.70 to 77.70): VN061429.D (-3321) (-)

Ion 157.80 (157.50 to 158.50): VN061429.D (-3321) (-)





#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

ClientSampleId :

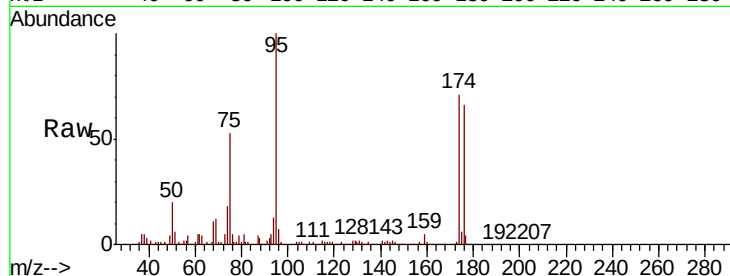
Tot Ion: 75 Resp: 135467

Ion Ratio Lower Upper

75 100

53 0.2 75.2 112.8#

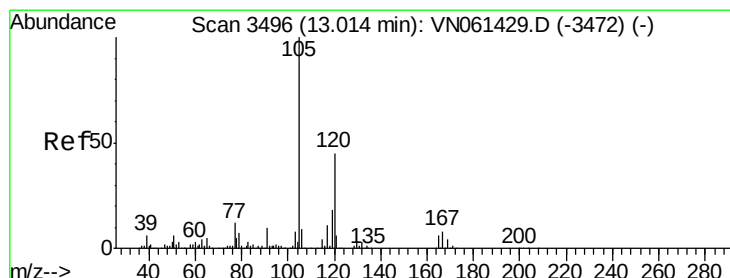
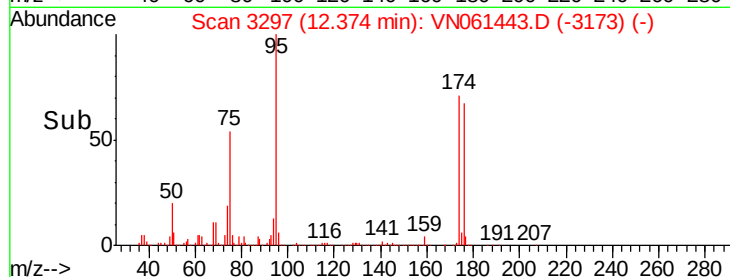
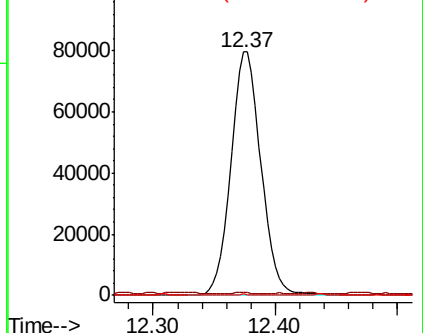
89 0.4 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VN061443.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN061443.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN061443.D (-3173) (-)



#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

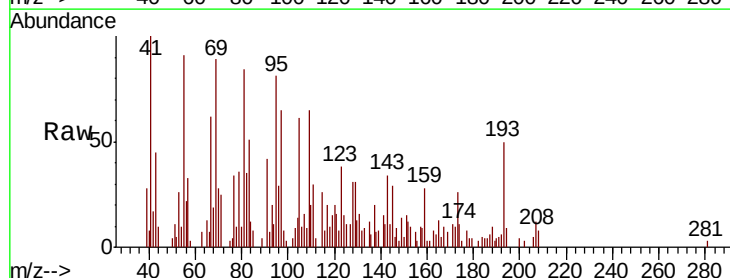
Acq: 18 May 2020 18:37

Tgt Ion: 105 Resp: 3844

Ion Ratio Lower Upper

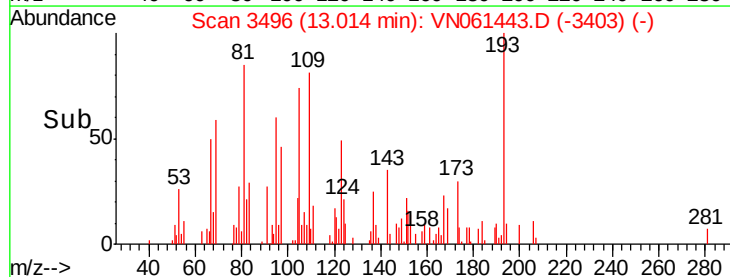
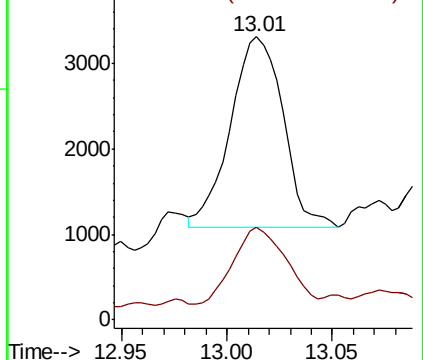
105 100

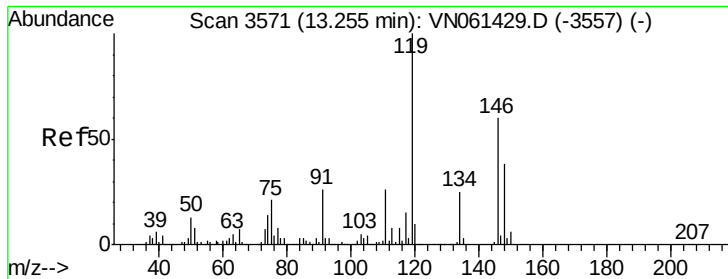
120 39.7 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): VN061443.D (-3403) (-)

Ion 120.00 (119.70 to 120.70): VN061443.D (-3403) (-)

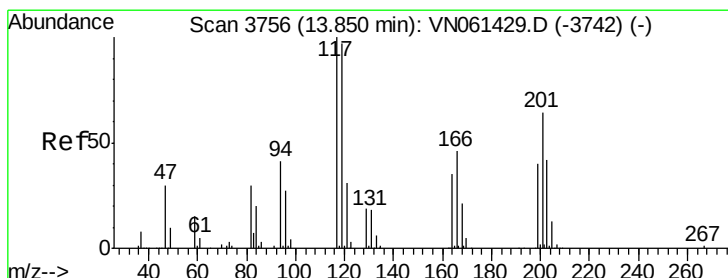
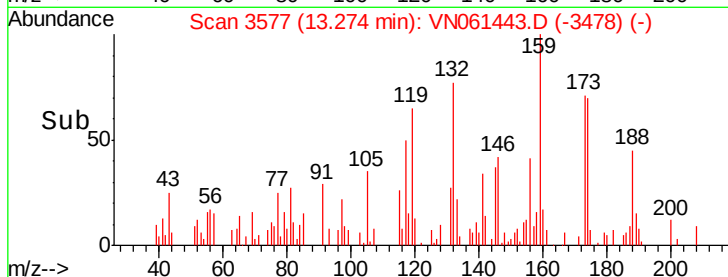
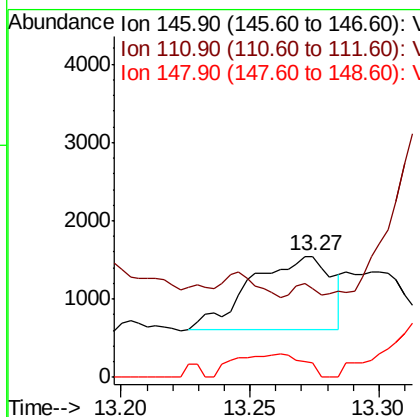
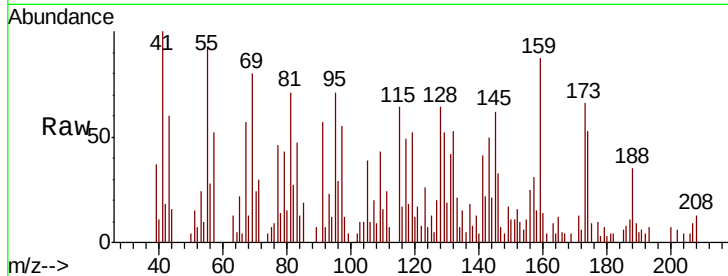




#87
 1,3-Dichlorobenzene
 Concen: 0.286 ug/l
 RT: 13.27 min Scan# 3577
 Delta R.T. 0.02 min
 Lab File: VN061443.D
 Acq: 18 May 2020 18:37

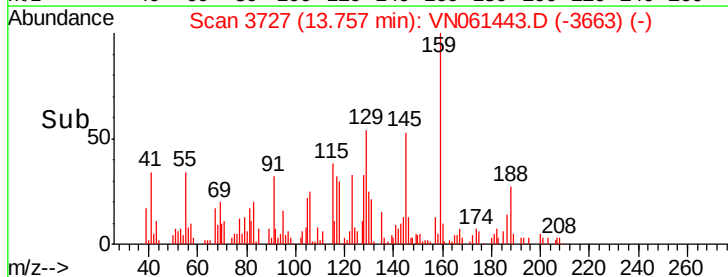
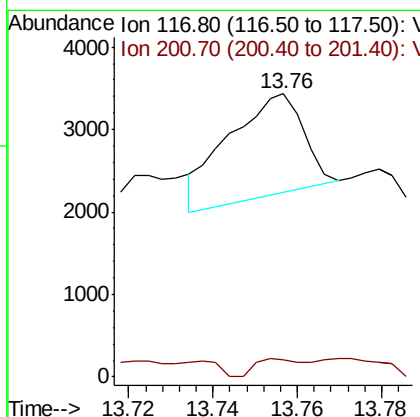
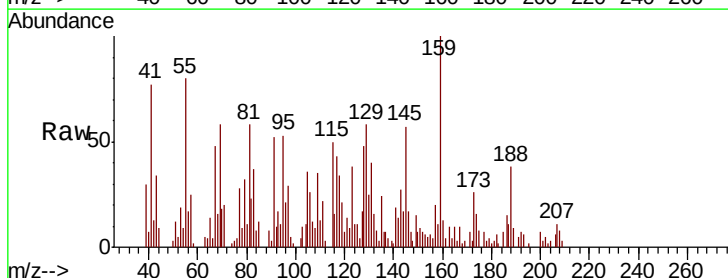
Instrument :
 MSVOA_N
 ClientSampled :

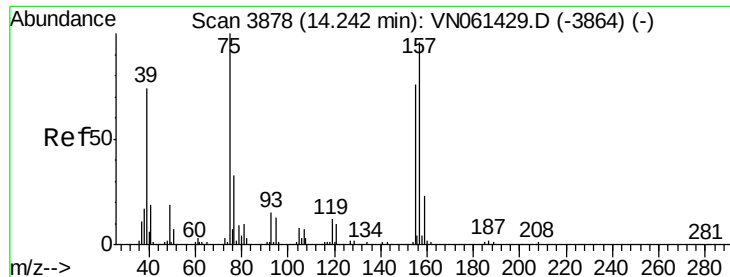
Tot Ion:146 Resp: 2046
 Ion Ratio Lower Upper
 146 100
 111 5.3 21.5 64.5#
 148 27.2 31.8 95.3#



#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#

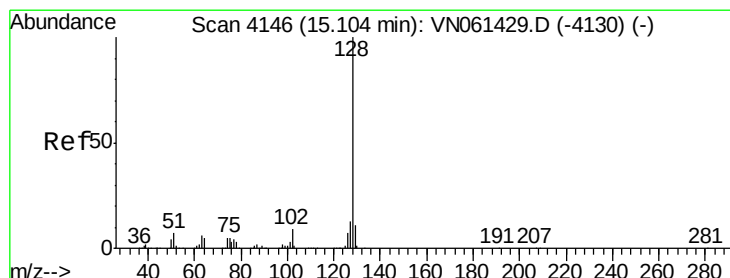
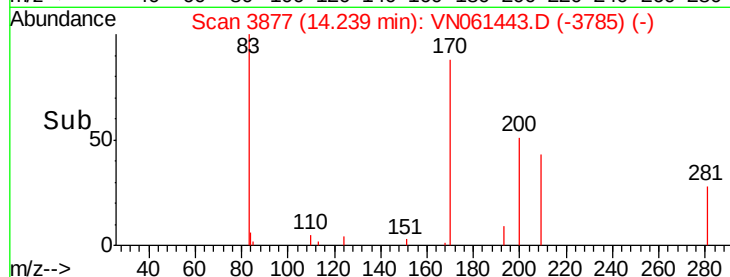
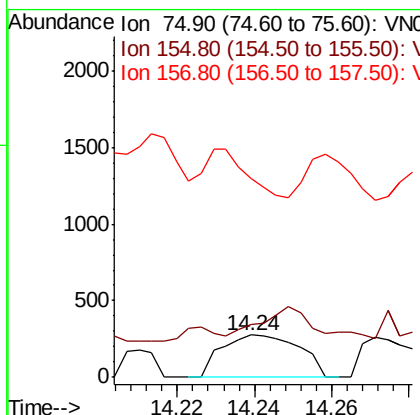
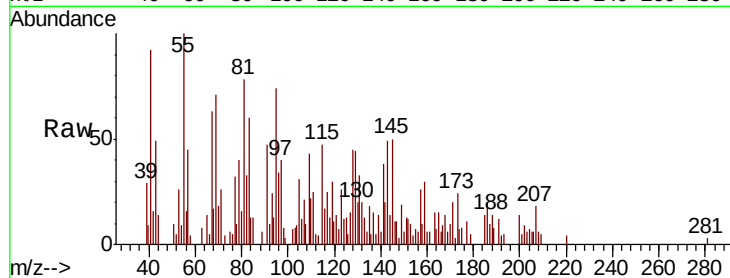




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.386 ug/l
 RT: 14.24 min Scan# 3877
 Delta R.T. -0.00 min
 Lab File: VN061443.D
 Acq: 18 May 2020 18:37

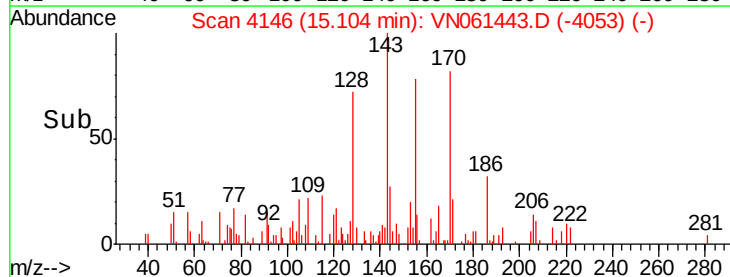
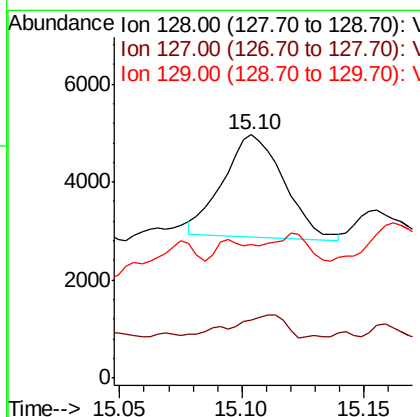
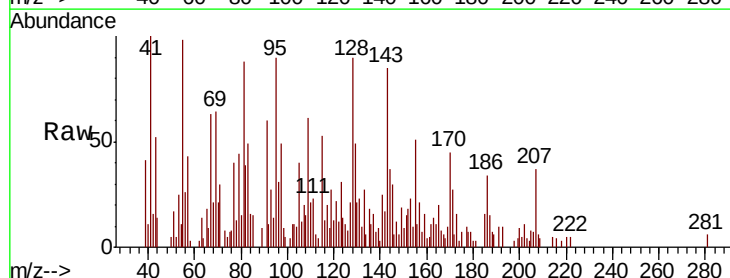
Instrument :
 MSVOA_N
 ClientSampled :

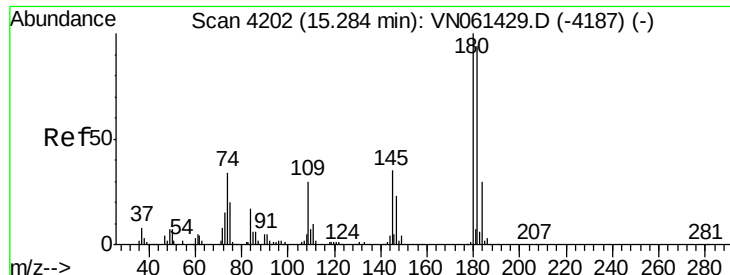
Tot Ion: 75 Resp: 386
 Ion Ratio Lower Upper
 75 100
 155 38.6 38.9 116.7#
 157 58.3 48.6 145.8



#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 :

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

