

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052820\
 Data File : VX016489.D
 Acq On : 28 May 2020 16:40
 Operator : JC/SP
 Sample : L2778-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022RW358-200526

Quant Time: May 29 03:47:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	277269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	448153	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	442454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222476	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	165995	48.21	ug/l	0.00
Spiked Amount						
			Recovery	=	96.42%	
35) Dibromofluoromethane	5.47	113	130247	47.20	ug/l	0.00
Spiked Amount						
			Recovery	=	94.40%	
50) Toluene-d8	8.70	98	552297	51.42	ug/l	0.00
Spiked Amount						
			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	11.12	95	221067	53.27	ug/l	0.00
Spiked Amount						
			Recovery	=	106.54%	

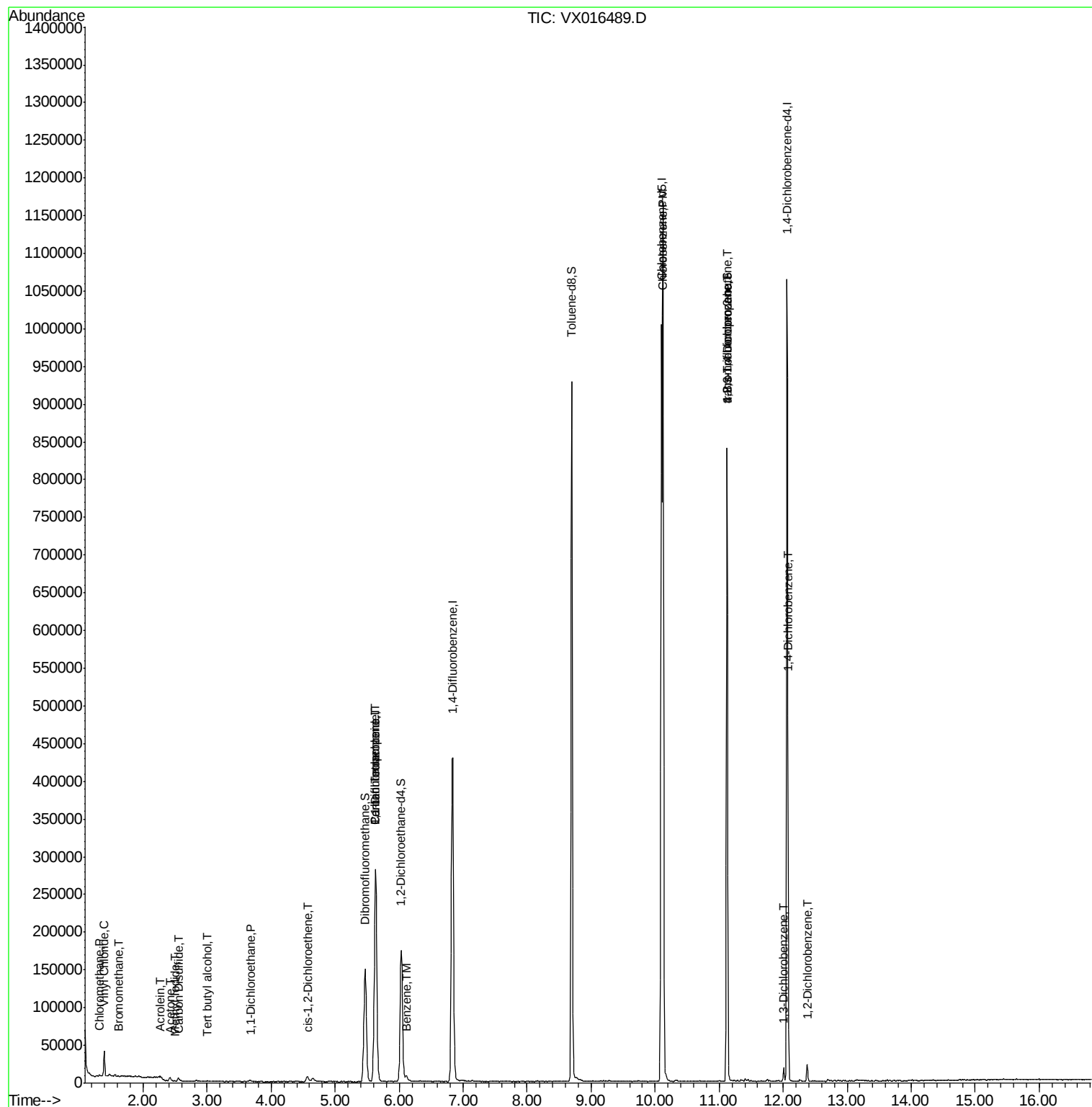
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	952	0.289	ug/l	97
4) Vinyl Chloride	1.39	62	18695	5.361	ug/l	95
5) Bromomethane	1.63	94	365	0.215	ug/l #	34
10) Methyl Iodide	2.49	142	88	3.083	ug/l #	40
11) Tert butyl alcohol	3.00	59	589	0.667	ug/l	98
13) Acrolein	2.27	56	349	0.929	ug/l	89
16) Acetone	2.42	43	4906	3.252	ug/l	99
17) Carbon Disulfide	2.55	76	5257	0.664	ug/l	95
24) 1,1-Dichloroethane	3.68	63	2839	0.534	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	4653	1.363	ug/l	86
36) 1,1-Dichloropropene	5.63	75	20328	4.791	ug/l #	51
38) Carbon Tetrachloride	5.64	117	27022	6.060	ug/l #	17
40) Benzene	6.12	78	6817	0.539	ug/l #	88
65) Chlorobenzene	10.12	112	494100	54.776	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	107555	21.994	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	107555	54.103	ug/l #	14
87) 1,3-Dichlorobenzene	12.01	146	6194	0.884	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	15049	2.101	ug/l	86
91) 1,2-Dichlorobenzene	12.38	146	6831	1.007	ug/l	98

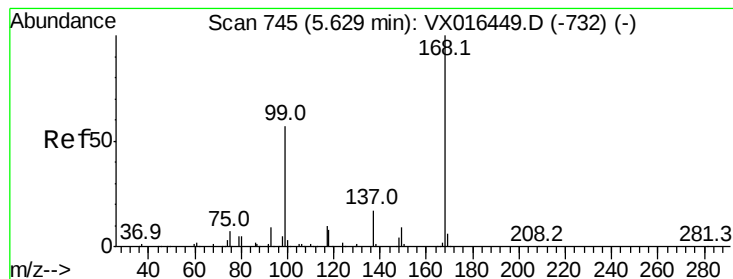
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016489.D

Acq: 28 May 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

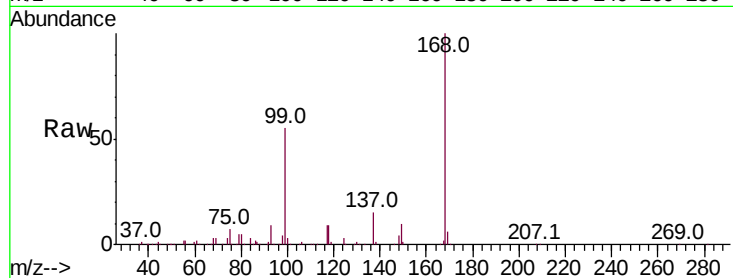
WP022RW358-200526

Tot Ion:168 Resp: 277269

Ion Ratio Lower Upper

168 100

99 54.5 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

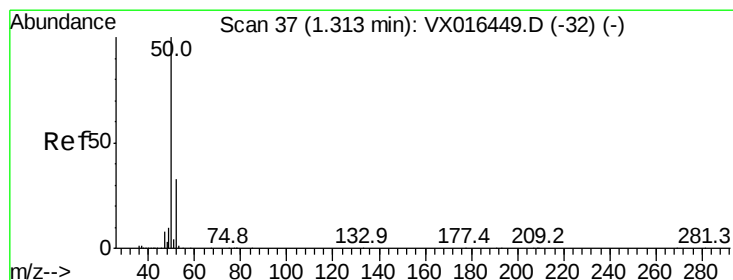
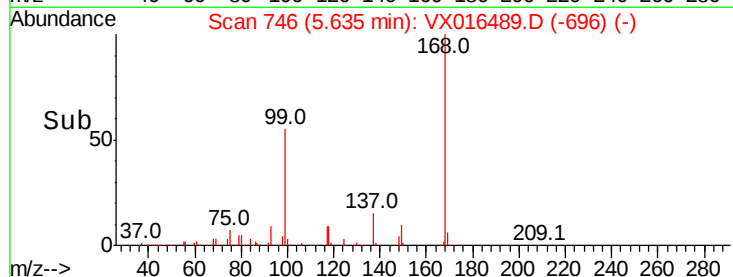
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.289 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016489.D

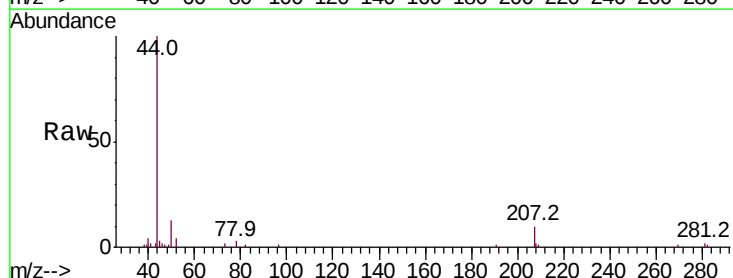
Acq: 28 May 2020 16:40

Tgt Ion: 50 Resp: 952

Ion Ratio Lower Upper

50 100

52 34.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1000

800

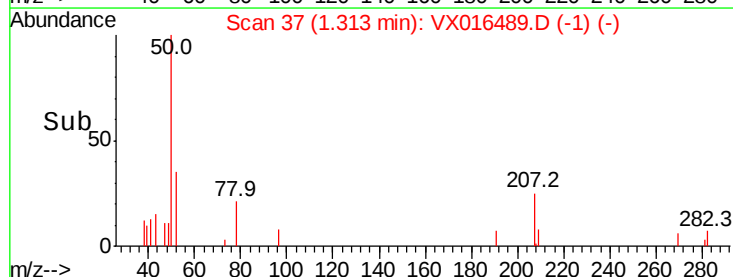
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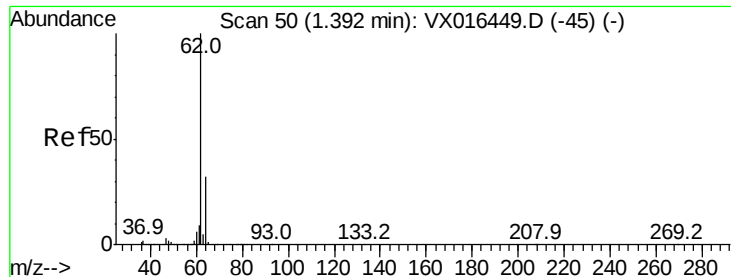
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 5.361 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016489.D

Acq: 28 May 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

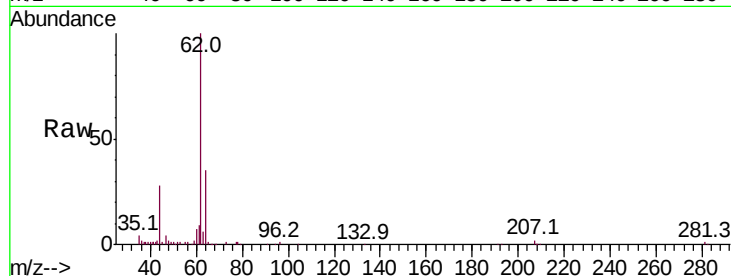
WP022RW358-200526

Tot Ion: 62 Resp: 18695

Ion Ratio Lower Upper

62 100

64 35.2 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

20000

15000

10000

5000

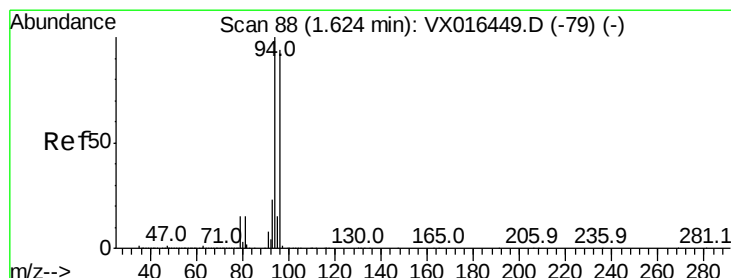
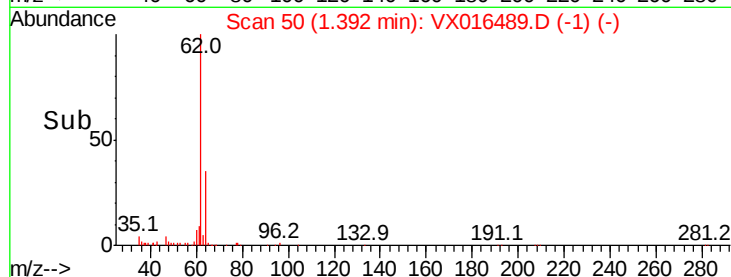
0

1.35

1.40

1.45

Time-->



#5

Bromomethane

Concen: 0.215 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016489.D

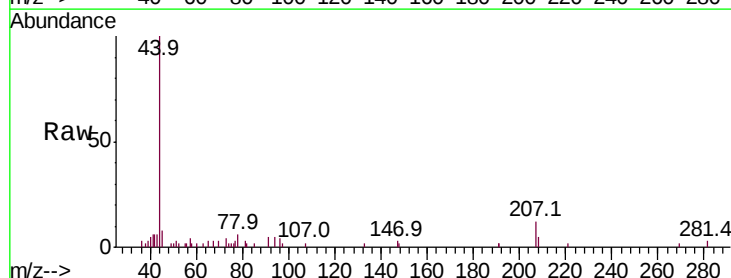
Acq: 28 May 2020 16:40

Tgt Ion: 94 Resp: 365

Ion Ratio Lower Upper

94 100

96 30.2 75.1 112.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

200

100

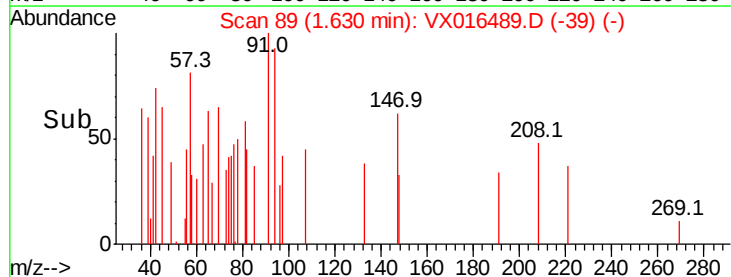
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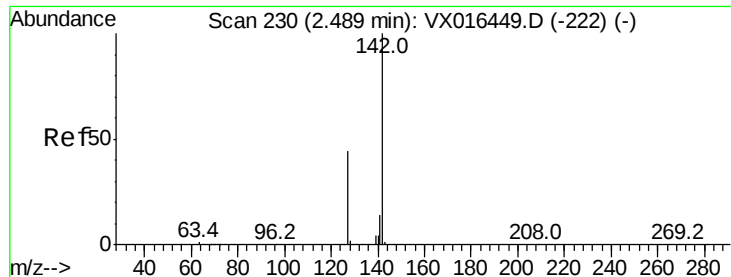
1.60

1.65

1.70

Time-->

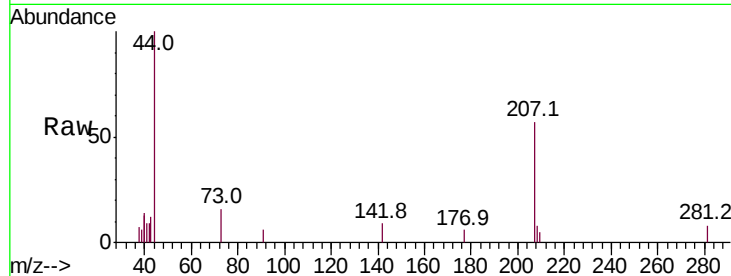




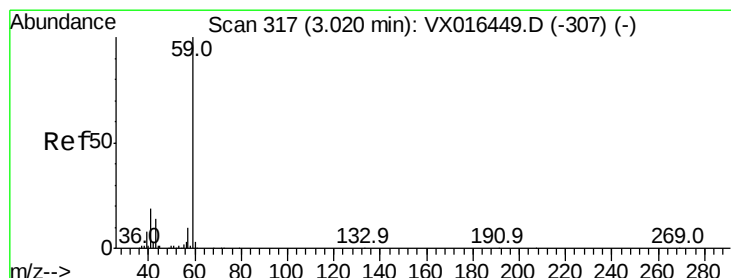
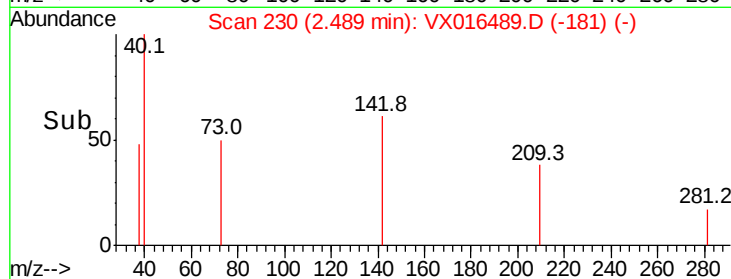
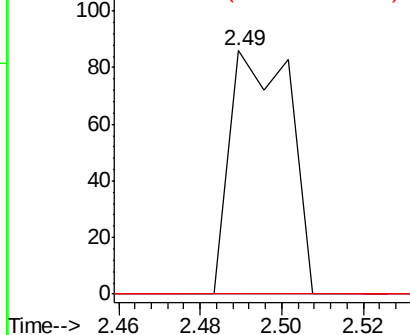
#10
Methyl Iodide
Concen: 3.083 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX016489.D
Acq: 28 May 2020 16:40

Instrument :
MSVOA_X
ClientSampleId :
WP022RW358-200526

Tot Ion:142 Resp: 88
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 11.4 17.2#

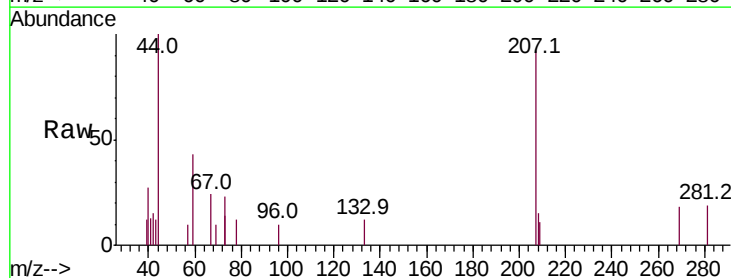


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

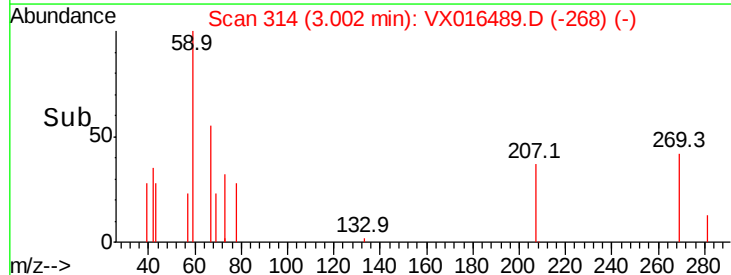
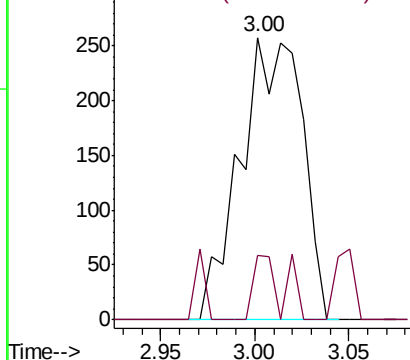


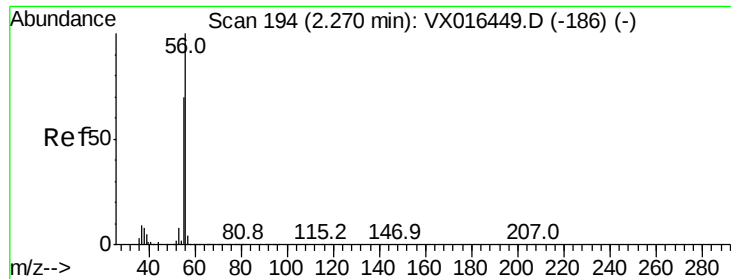
#11
Tert butyl alcohol
Concen: 0.667 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016489.D
Acq: 28 May 2020 16:40

Tgt Ion: 59 Resp: 589
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

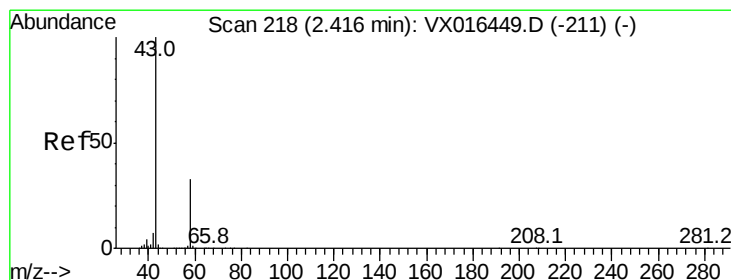
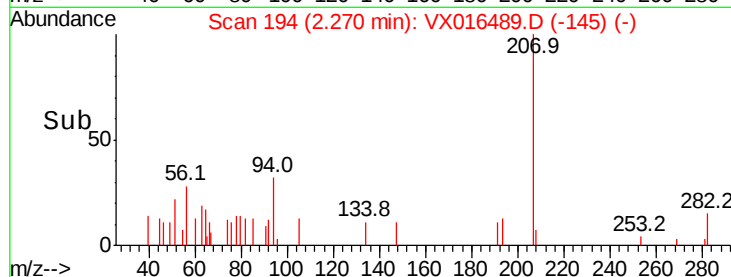
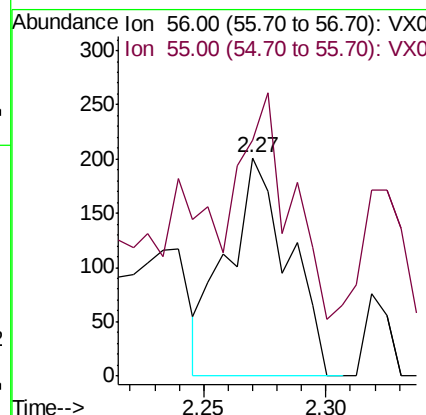
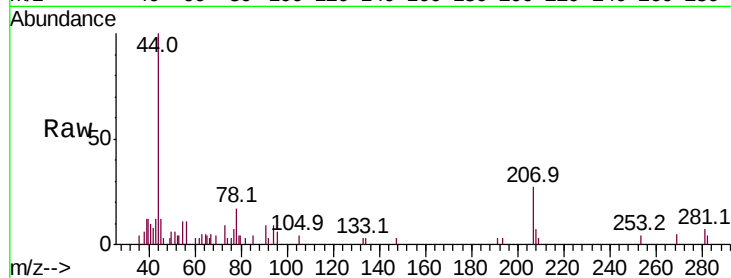




#13
Acrolein
Concen: 0.929 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016489.D
Acq: 28 May 2020 16:40

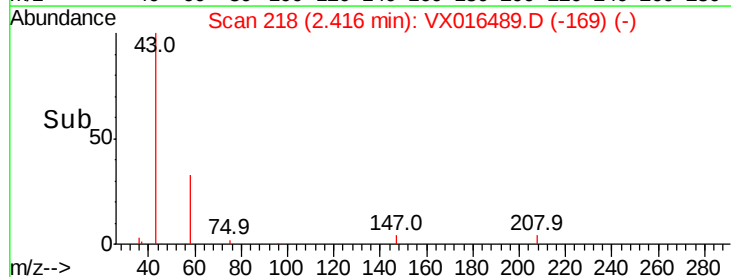
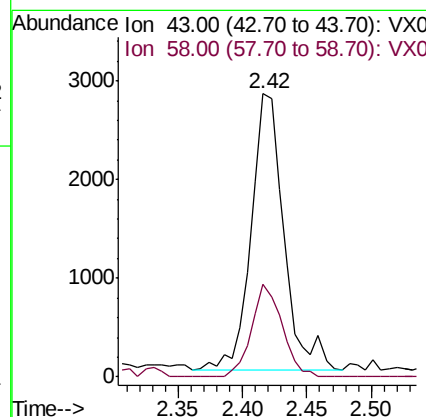
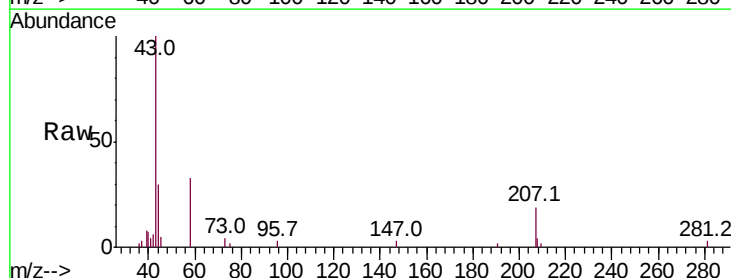
Instrument :
MSVOA_X
ClientSampleId :
WP022RW358-200526

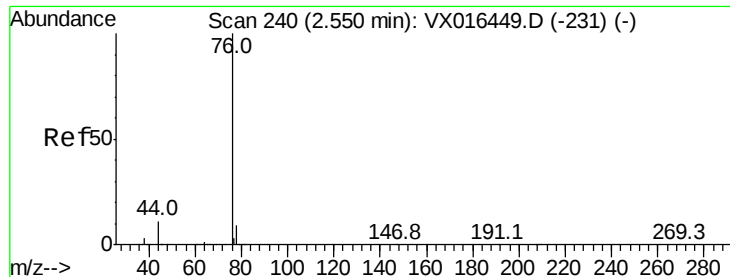
Tot Ion: 56 Resp: 349
Ion Ratio Lower Upper
56 100
55 82.5 58.3 87.5



#16
Acetone
Concen: 3.252 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.00 min
Lab File: VX016489.D
Acq: 28 May 2020 16:40

Tgt Ion: 43 Resp: 4906
Ion Ratio Lower Upper
43 100
58 33.4 26.1 39.1





#17

Carbon Disulfide

Concen: 0.664 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016489.D

Acq: 28 May 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

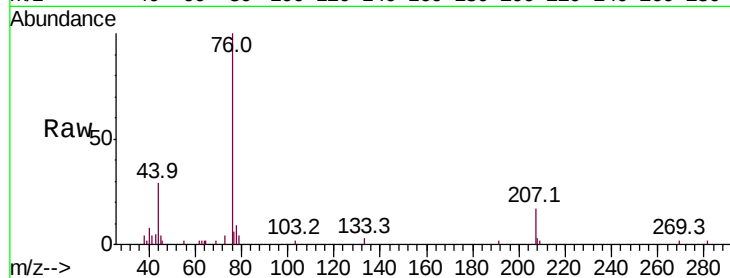
WP022RW358-200526

Tot Ion: 76 Resp: 5257

Ion Ratio Lower Upper

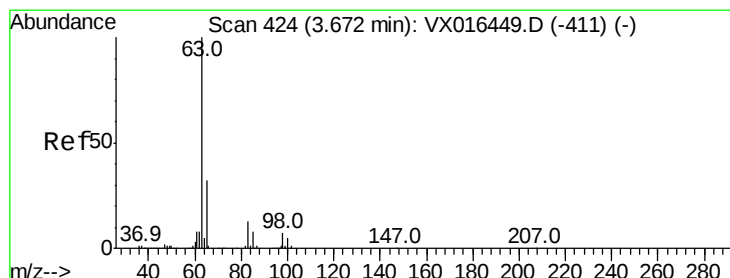
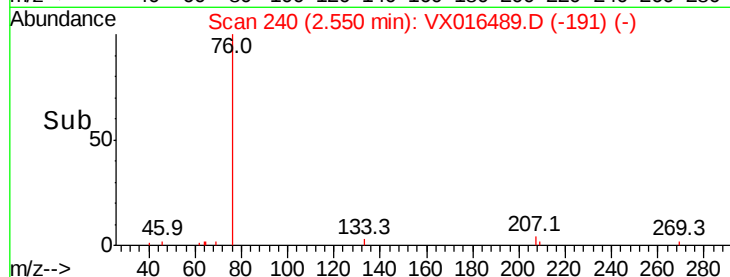
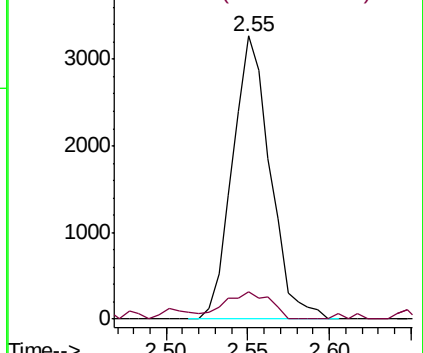
76 100

78 7.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#24

1,1-Dichloroethane

Concen: 0.534 ug/l

RT: 3.68 min Scan# 425

Delta R.T. 0.01 min

Lab File: VX016489.D

Acq: 28 May 2020 16:40

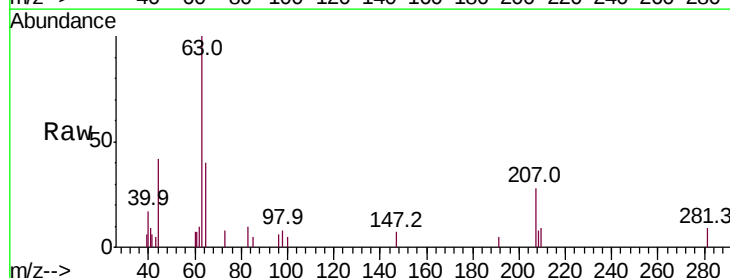
Tgt Ion: 63 Resp: 2839

Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

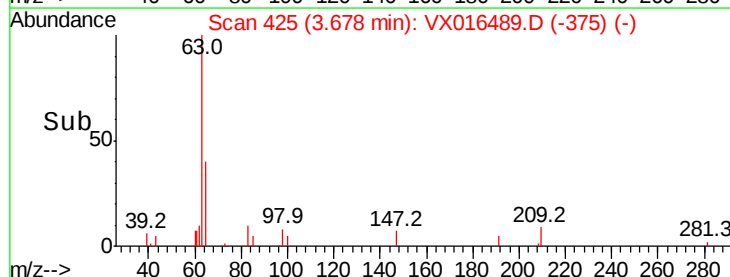
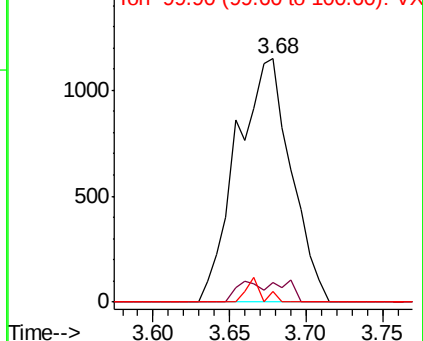
100 4.5 2.4 7.1

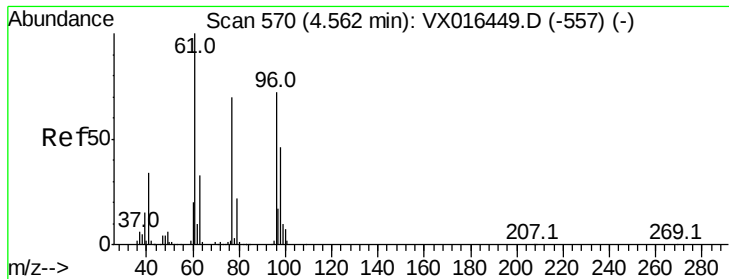


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



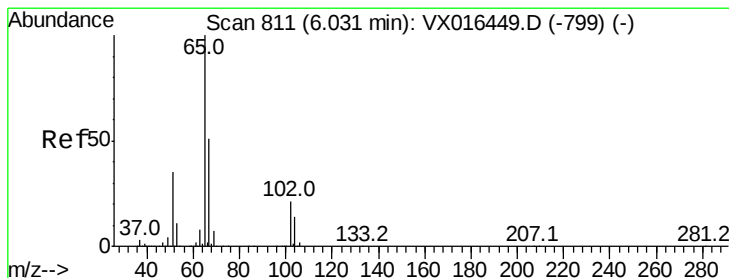
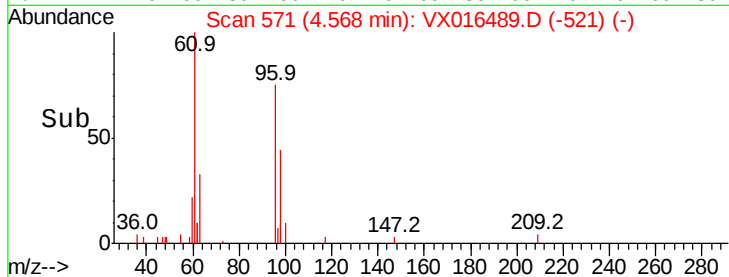
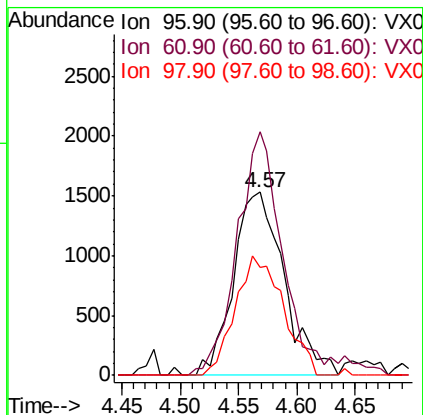
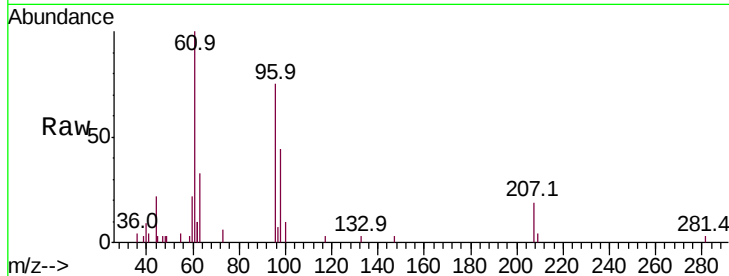


#27

cis-1,2-Dichloroethene
Concen: 1.363 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX016489.D
Acq: 28 May 2020 16:40

Instrument :
MSVOA_X
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WP022RW358-200526

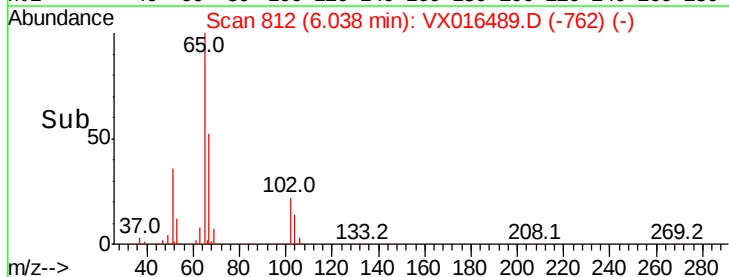
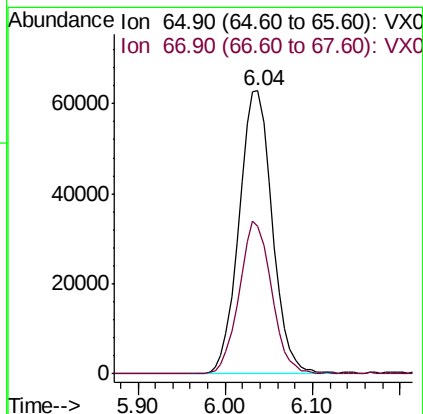
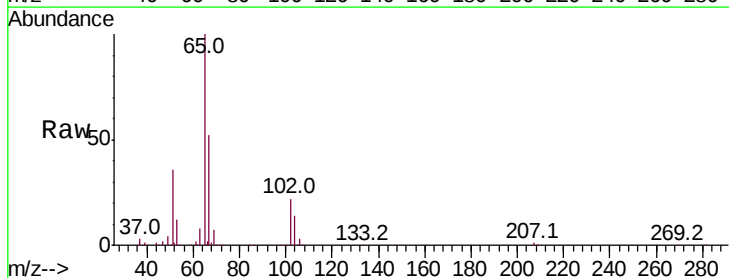
Tot Ion	96	Resp	4653
Ion	Ratio	Lower	Upper
96	100		
61	118.8	0.0	284.6
98	61.3	0.0	127.2

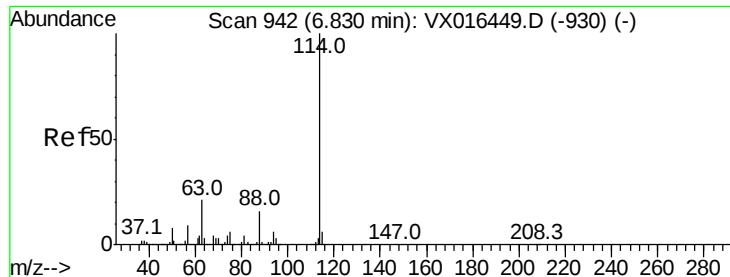


#33

1,2-Dichloroethane-d4
Concen: 48.208 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016489.D
Acq: 28 May 2020 16:40

Tgt Ion	65	Resp	165995
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016489.D

Acq: 28 May 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

WP022RW358-200526

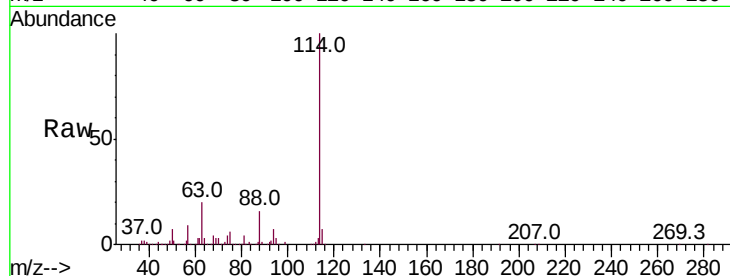
Tot Ion:114 Resp: 448153

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

88 16.1 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

250000

200000

150000

100000

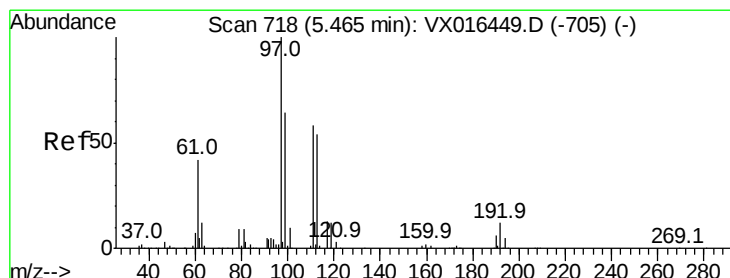
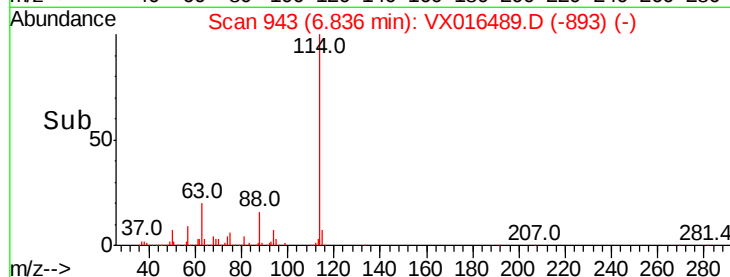
50000

0

6.84

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 47.200 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016489.D

Acq: 28 May 2020 16:40

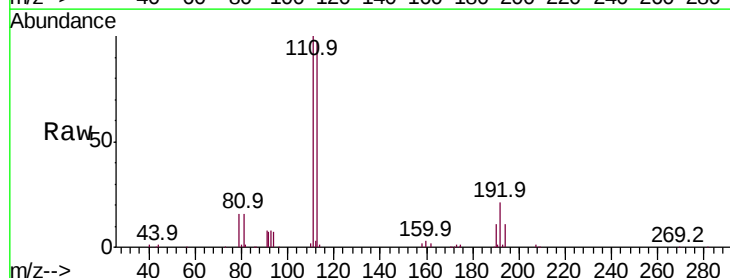
Tgt Ion:113 Resp: 130247

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.6

192 22.8 17.7 26.5



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

60000

50000

40000

30000

20000

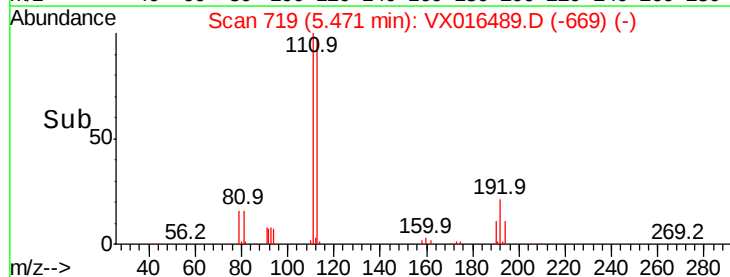
10000

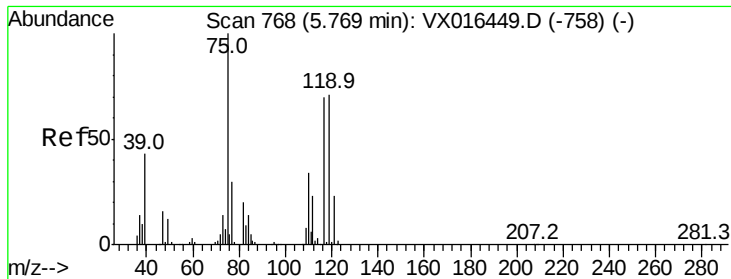
0

5.47

5.30 5.40 5.50 5.60

Time-->

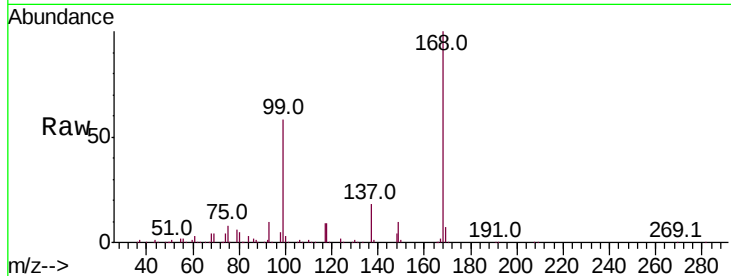




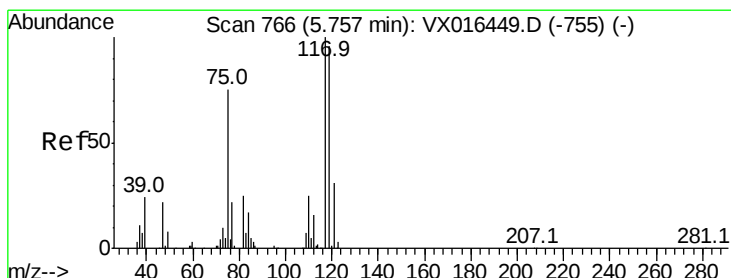
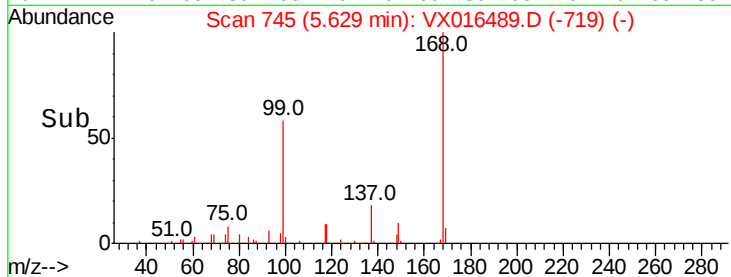
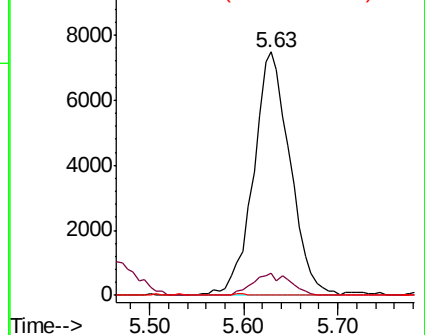
#36
 1,1-Dichloropropene
 Concen: 4.791 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016489.D
 Acq: 28 May 2020 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022RW358-200526

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.4	52.3#
77	0.0	24.2	36.4#

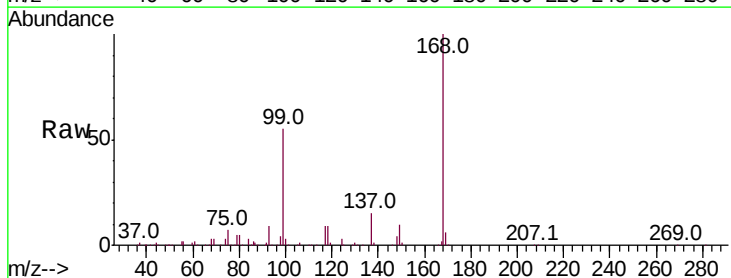


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

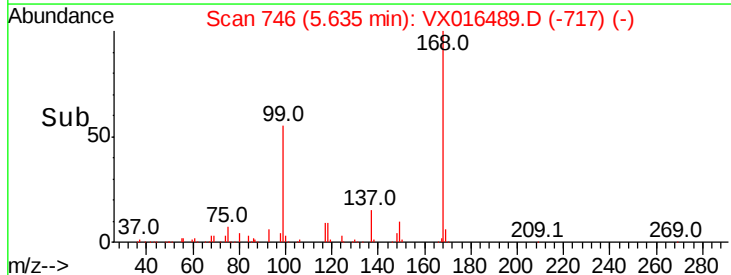
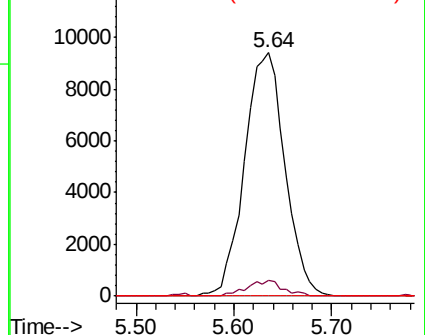


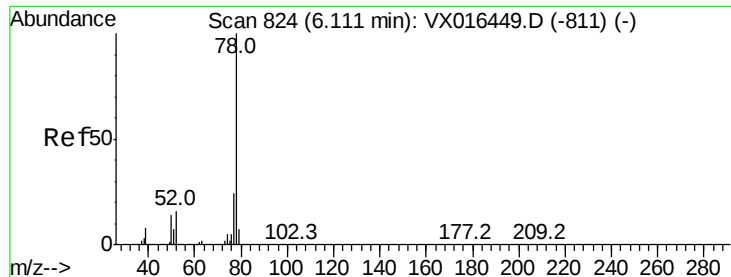
#38
 Carbon Tetrachloride
 Concen: 6.060 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX016489.D
 Acq: 28 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.3	114.5#
121	0.0	24.6	37.0#



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





#40

Benzene

Concen: 0.539 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX016489.D

Acq: 28 May 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

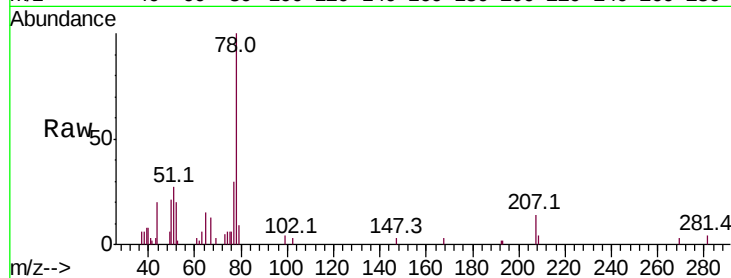
WP022RW358-200526

Tot Ion: 78 Resp: 6817

Ion Ratio Lower Upper

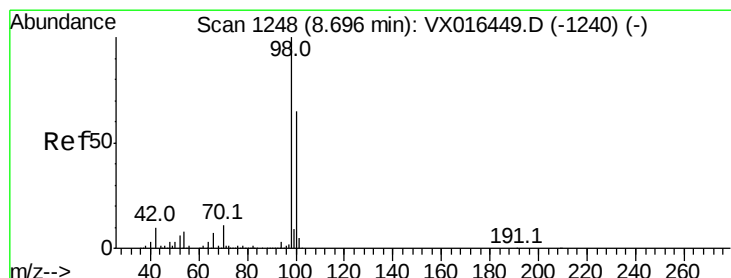
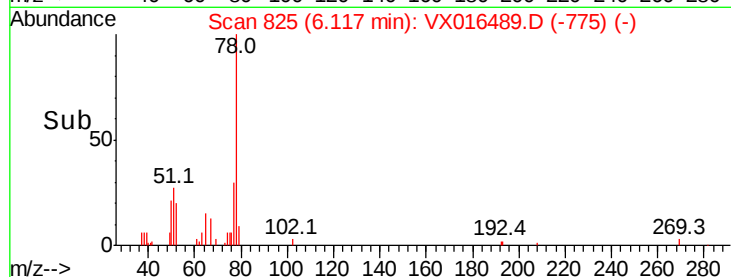
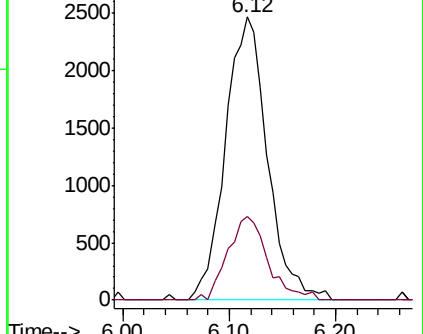
78 100

77 29.6 18.9 28.3#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.422 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016489.D

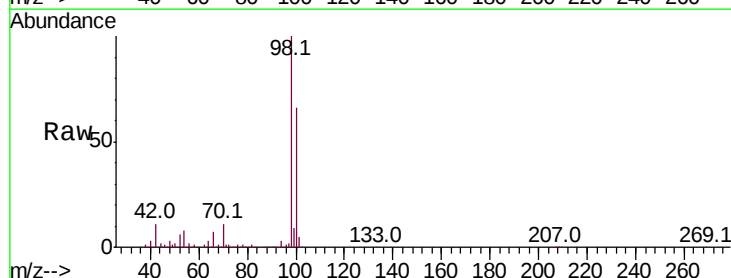
Acq: 28 May 2020 16:40

Tgt Ion: 98 Resp: 552297

Ion Ratio Lower Upper

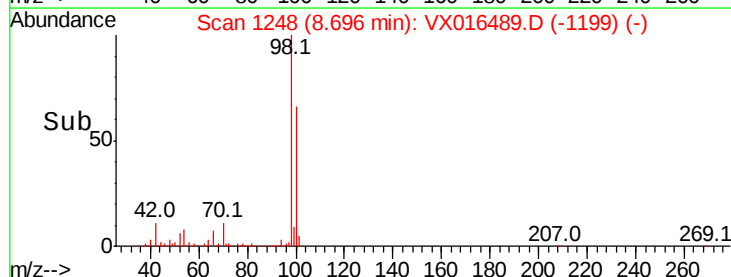
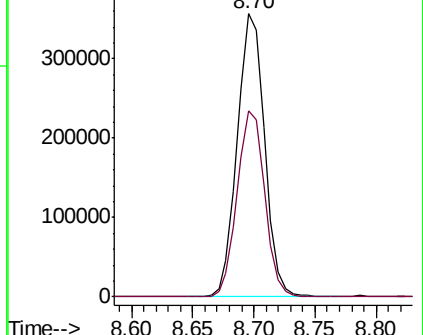
98 100

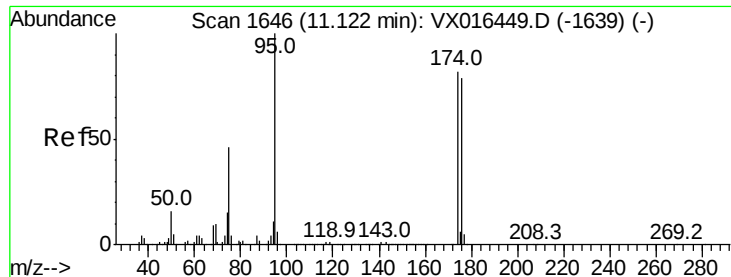
100 66.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

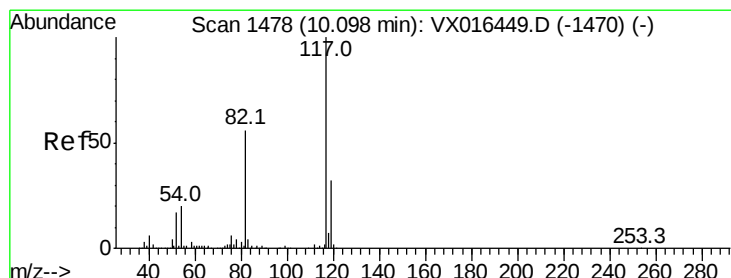
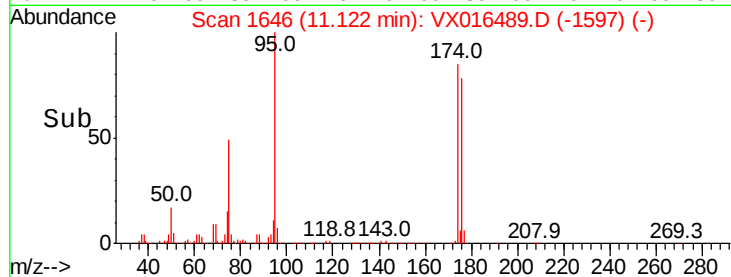
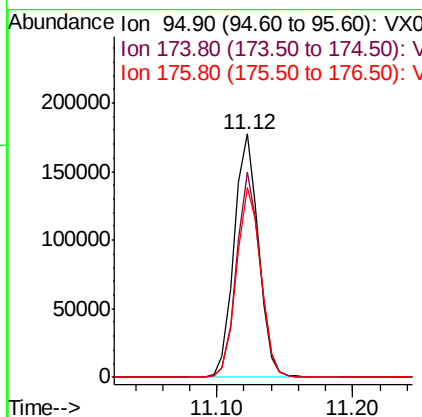
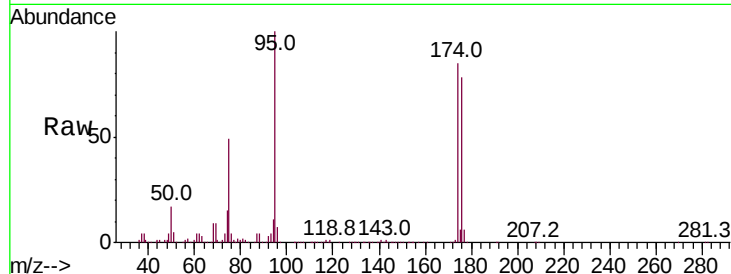




#62
4-Bromofluorobenzene
Concen: 53.268 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016489.D
Acq: 28 May 2020 16:40

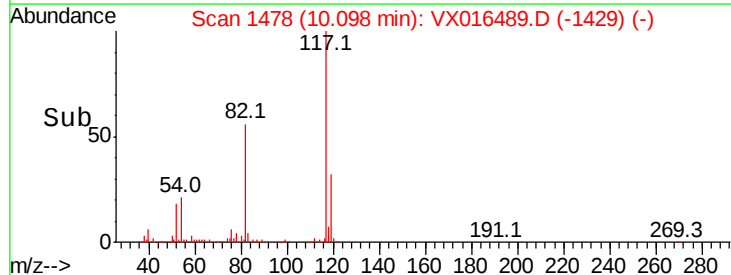
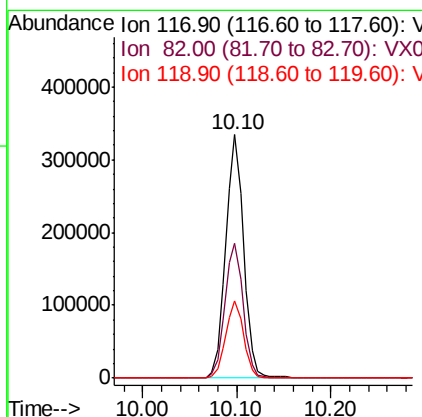
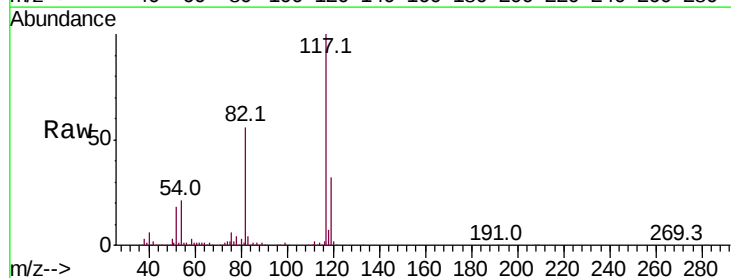
Instrument :
MSVOA_X
ClientSampleId :
WP022RW358-200526

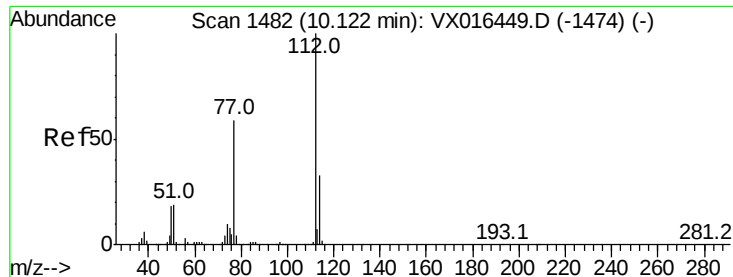
Tot Ion: 95 Resp: 221067
Ion Ratio Lower Upper
95 100
174 81.7 0.0 163.0
176 78.5 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016489.D
Acq: 28 May 2020 16:40

Tgt Ion: 117 Resp: 442454
Ion Ratio Lower Upper
117 100
82 55.6 45.0 67.6
119 31.5 25.8 38.8





#65

Chlorobenzene

Concen: 54.776 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016489.D

Acq: 28 May 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

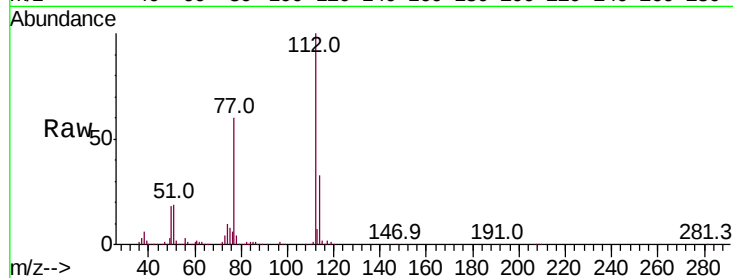
WP022RW358-200526

Tot Ion:112 Resp: 494100

Ion Ratio Lower Upper

112 100

114 32.9 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.12

400000

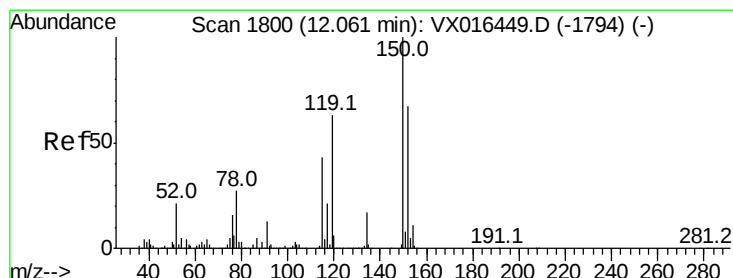
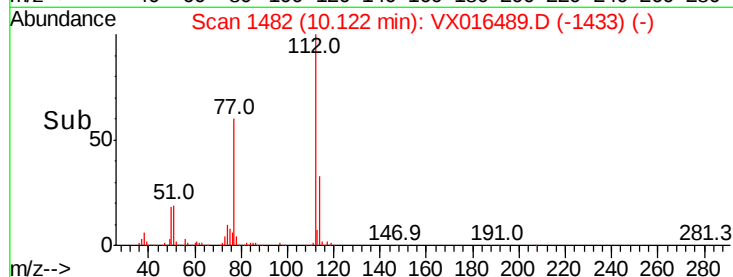
300000

200000

100000

0

Time--> 10.00 10.10 10.20 10.30



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016489.D

Acq: 28 May 2020 16:40

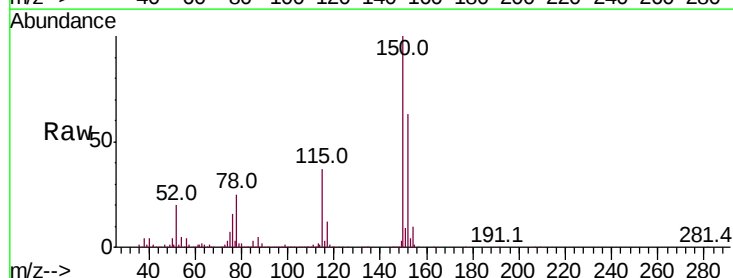
Tgt Ion:152 Resp: 222476

Ion Ratio Lower Upper

152 100

115 57.7 39.9 119.6

150 157.4 0.0 341.0



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

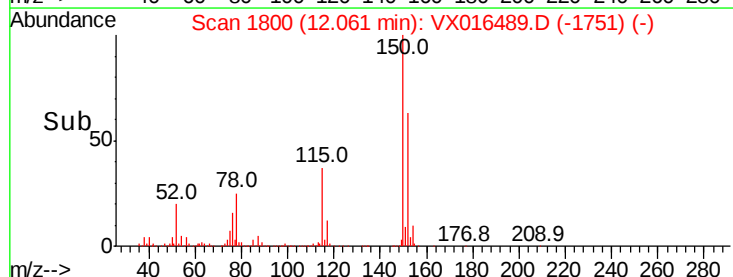
300000

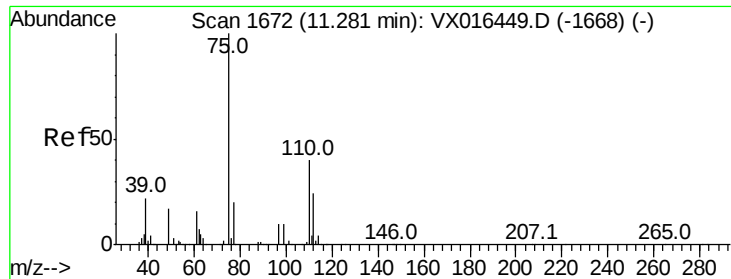
200000

100000

0

Time--> 12.00 12.10 12.20





#76

1,2,3-Trichloropropane

Concen: 21.994 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016489.D

Acq: 28 May 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

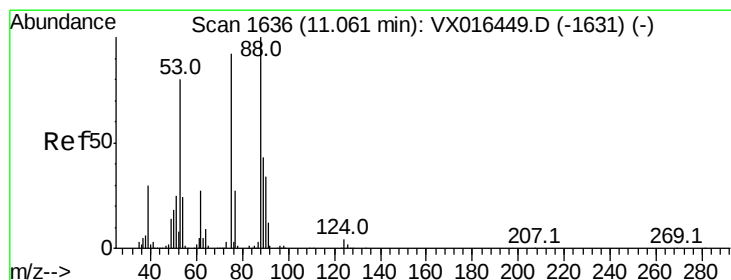
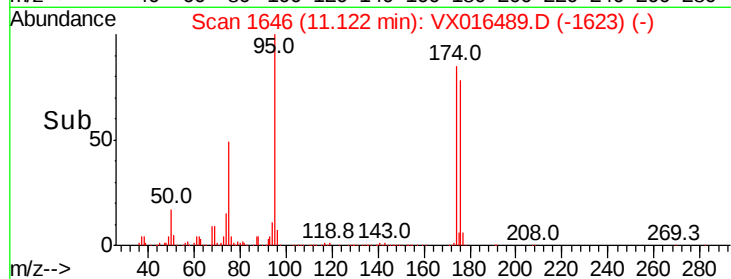
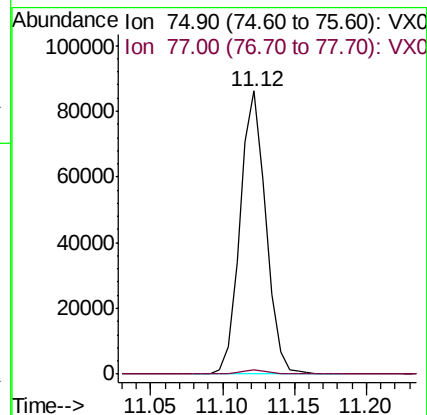
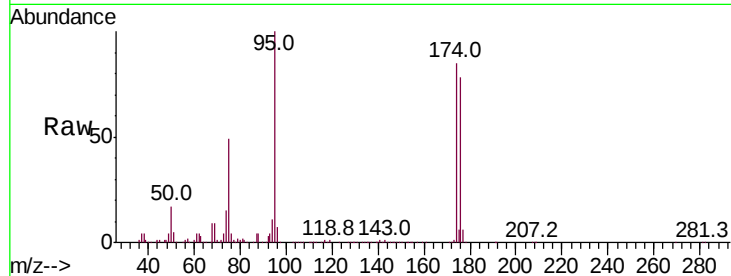
WP022RW358-200526

Tot Ion: 75 Resp: 107555

Ion Ratio Lower Upper

75 100

77 1.4 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.103 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016489.D

Acq: 28 May 2020 16:40

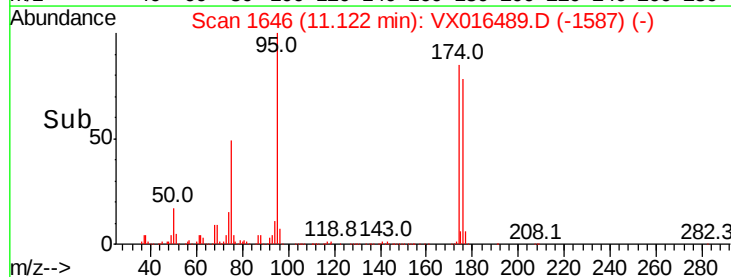
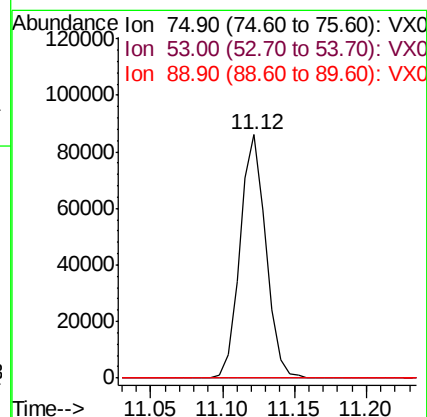
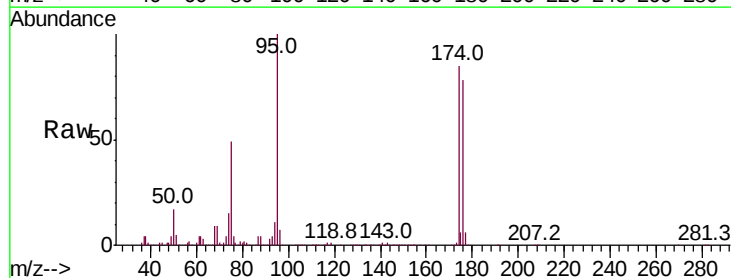
Tgt Ion: 75 Resp: 107555

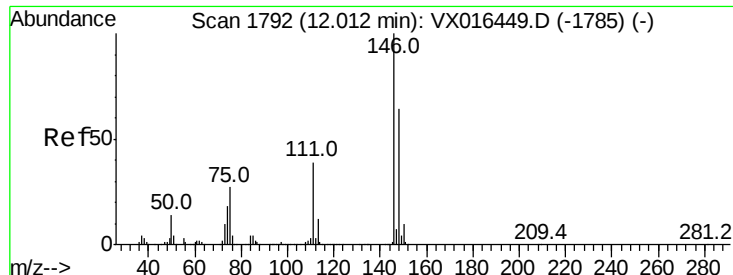
Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.1 36.6 55.0#





#87

1,3-Dichlorobenzene

Concen: 0.884 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

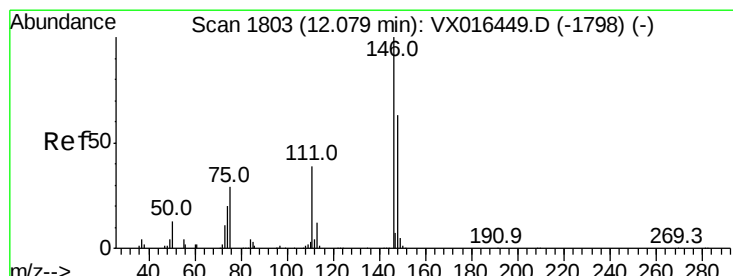
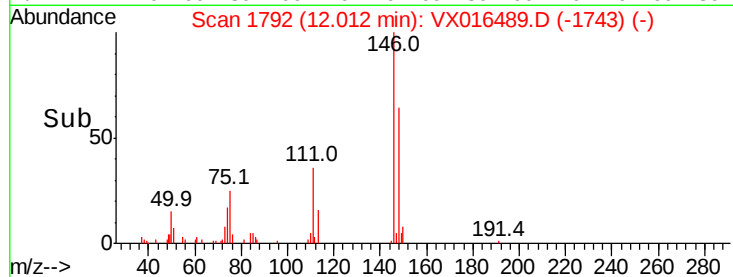
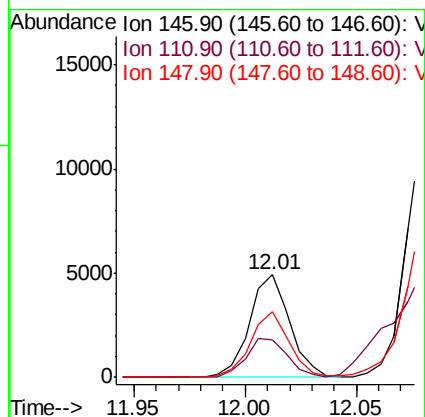
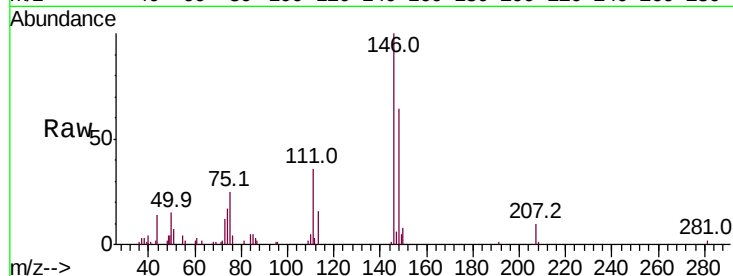
Lab File: VX016489.D

Acq: 28 May 2020 16:40

Instrument :
MSVOA_X
ClientSampleId :
WP022RW358-200526

Tot Ion:146 Resp: 6194

Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	62.2	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 2.101 ug/l

RT: 12.08 min Scan# 1803

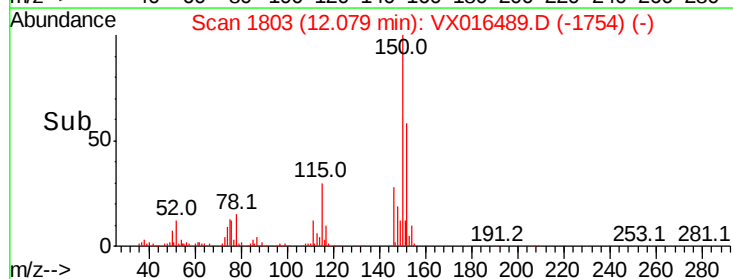
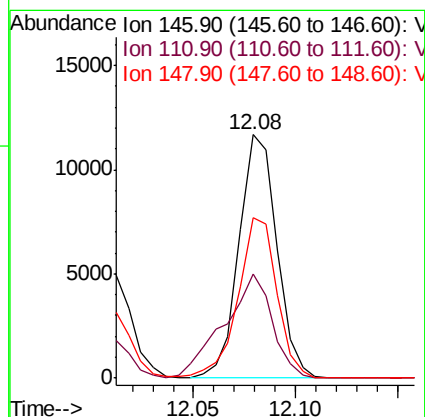
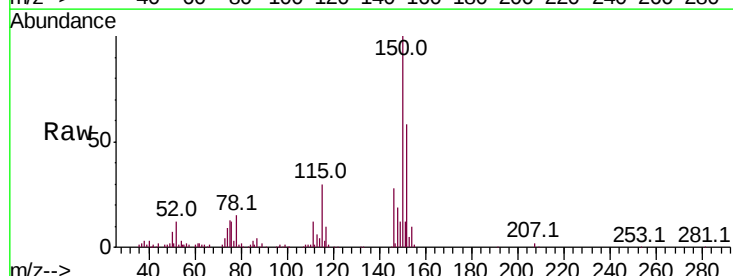
Delta R.T. -0.00 min

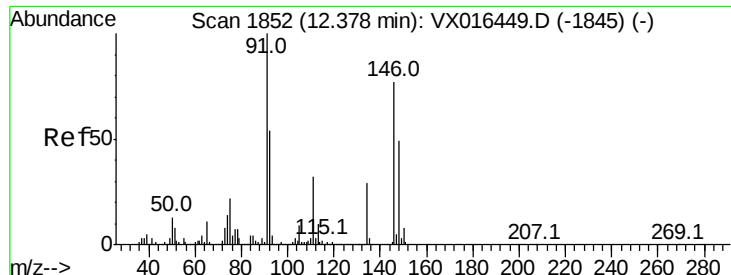
Lab File: VX016489.D

Acq: 28 May 2020 16:40

Tgt Ion:146 Resp: 15049

Ion	Ratio	Lower	Upper
146	100		
111	54.6	19.4	58.2
148	67.6	31.4	94.3





#91

1,2-Dichlorobenzene

Concen: 1.007 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016489.D

Acq: 28 May 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

WP022RW358-200526

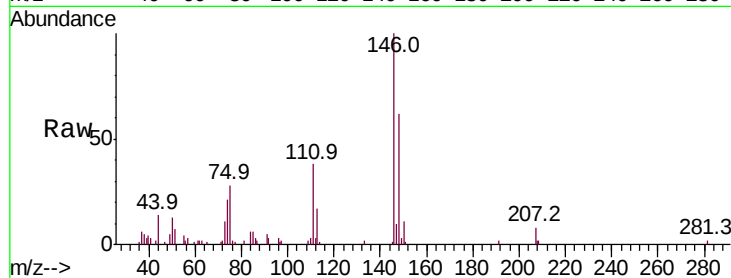
Tot Ion:146 Resp: 6831

Ion Ratio Lower Upper

146 100

111 41.1 21.4 64.3

148 63.1 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

