

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052820\
 Data File : VX016493.D
 Acq On : 28 May 2020 18:11
 Operator : JC/SP
 Sample : L2777-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS039MW002-200526

Quant Time: May 29 03:40:34 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	262123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	434083	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	430297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	213207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	161598	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	5.47	113	127645	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
50) Toluene-d8	8.70	98	535610	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.12	95	216654	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	

Target Compounds

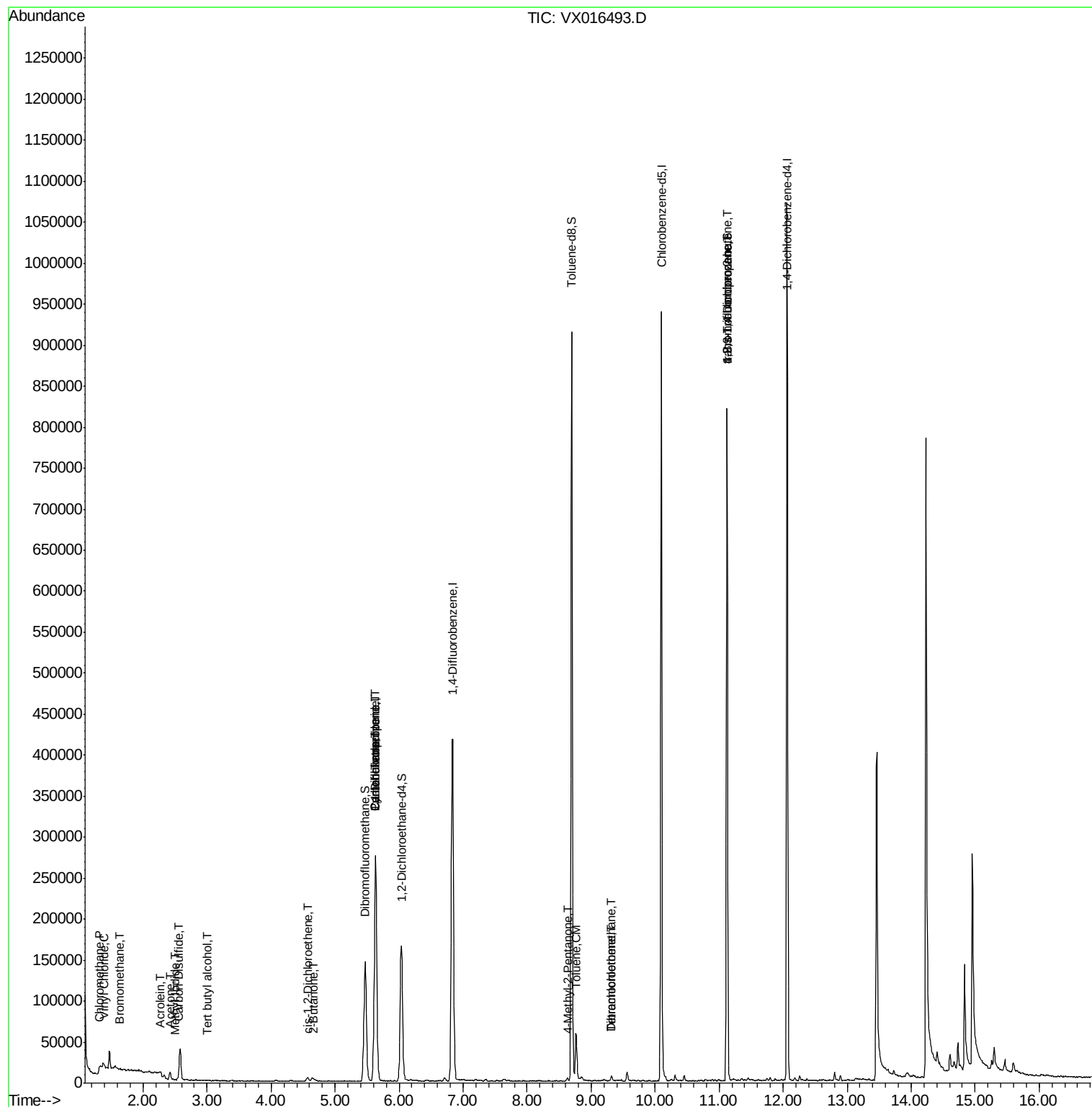
					Qvalue	
3) Chloromethane	1.31	50	1018	0.327	ug/l	89
4) Vinyl Chloride	1.39	62	1513	0.459	ug/l #	81
5) Bromomethane	1.63	94	372	0.232	ug/l #	74
10) Methyl Iodide	2.50	142	19	3.062	ug/l #	40
11) Tert butyl alcohol	3.00	59	772	0.925	ug/l #	67
13) Acrolein	2.26	56	840	2.366	ug/l #	40
16) Acetone	2.42	43	8964	6.285	ug/l	97
17) Carbon Disulfide	2.56	76	3620	0.483	ug/l #	88
25) 2-Butanone	4.65	43	2812	1.164	ug/l #	81
27) cis-1,2-Dichloroethene	4.56	96	3171	0.983	ug/l	74
31) Cyclohexane	5.62	56	5131	1.134	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19464	4.736	ug/l #	50
38) Carbon Tetrachloride	5.63	117	25841	5.983	ug/l #	16
51) 4-Methyl-2-Pentanone	8.63	43	979	0.204	ug/l	88
52) Toluene	8.77	92	20618	2.671	ug/l	98
60) Dibromochloromethane	9.32	129	905	0.262	ug/l #	11
64) Tetrachloroethene	9.32	164	1050	0.218	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	106144	22.649	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	106144	55.714	ug/l #	14

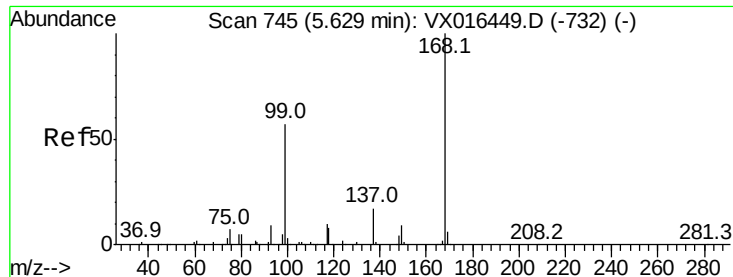
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX016493.D

Acq: 28 May 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

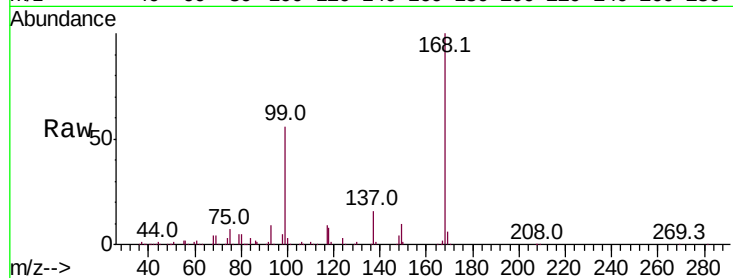
SS039MW002-200526

Tot Ion:168 Resp: 262123

Ion Ratio Lower Upper

168 100

99 55.7 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

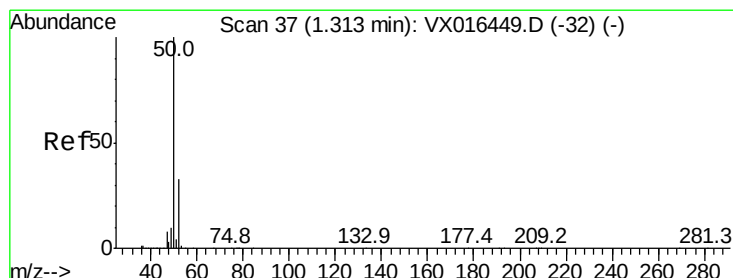
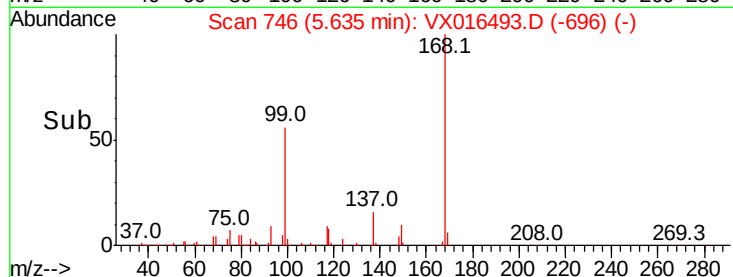
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.327 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016493.D

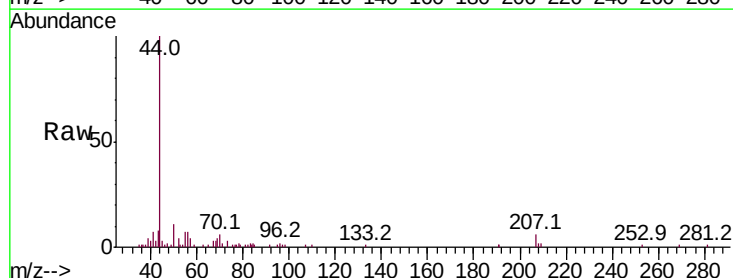
Acq: 28 May 2020 18:11

Tgt Ion: 50 Resp: 1018

Ion Ratio Lower Upper

50 100

52 38.8 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

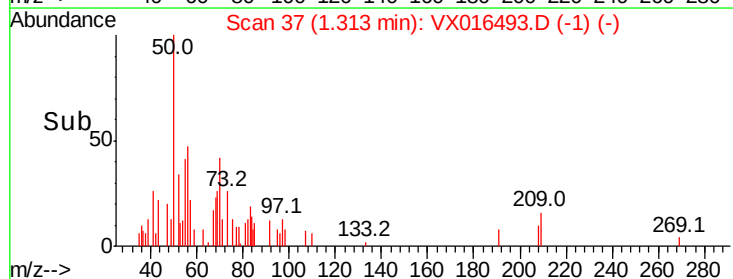
600

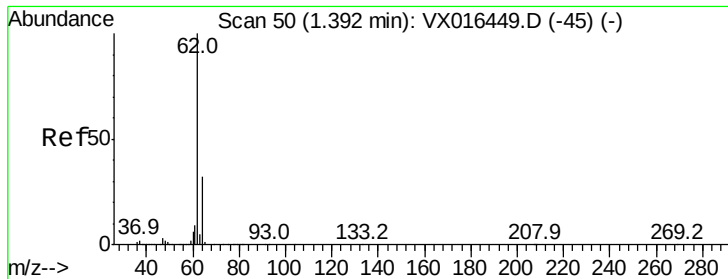
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.459 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016493.D

Acq: 28 May 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

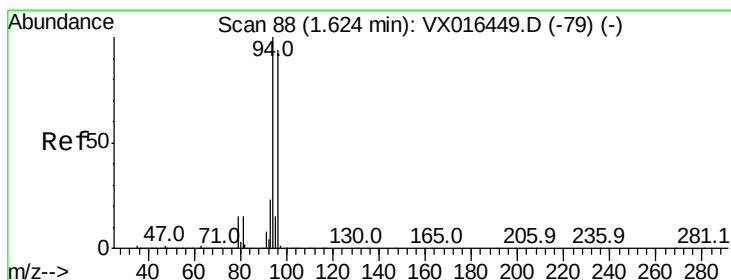
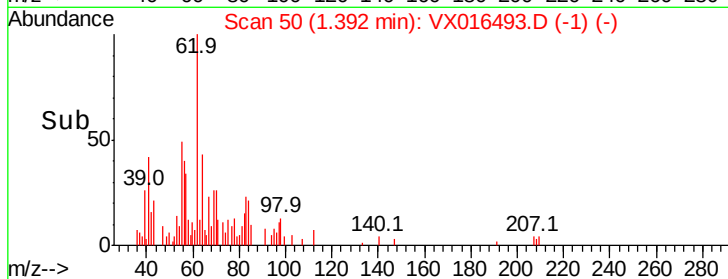
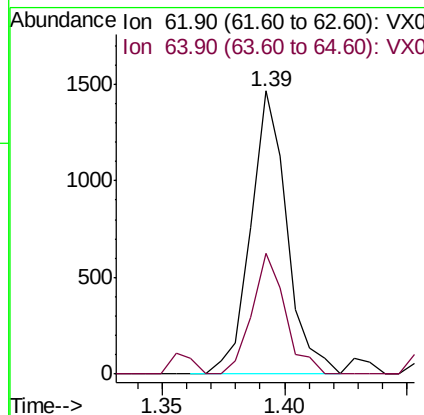
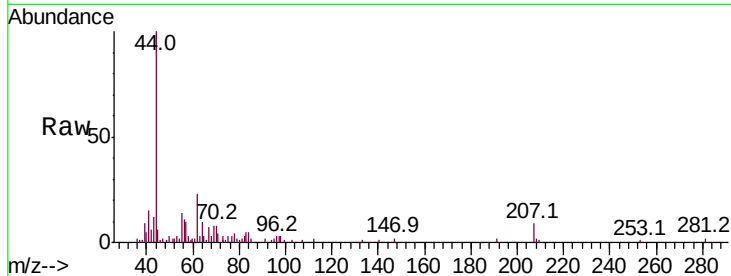
SS039MW002-200526

Tot Ion: 62 Resp: 1513

Ion Ratio Lower Upper

62 100

64 42.8 25.9 38.9#



#5

Bromomethane

Concen: 0.232 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016493.D

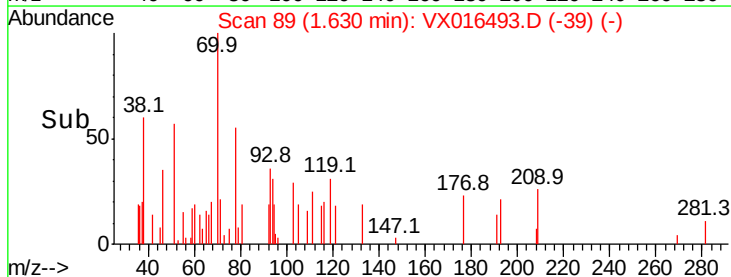
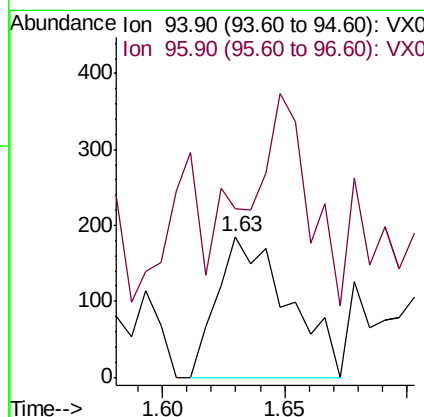
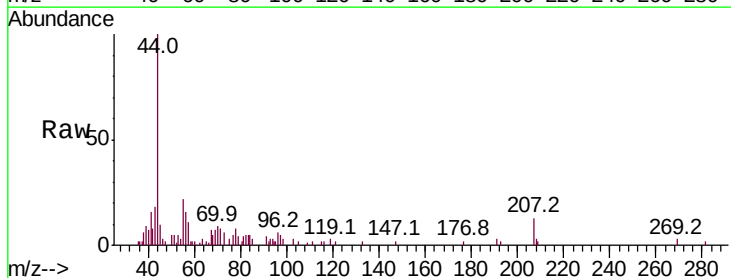
Acq: 28 May 2020 18:11

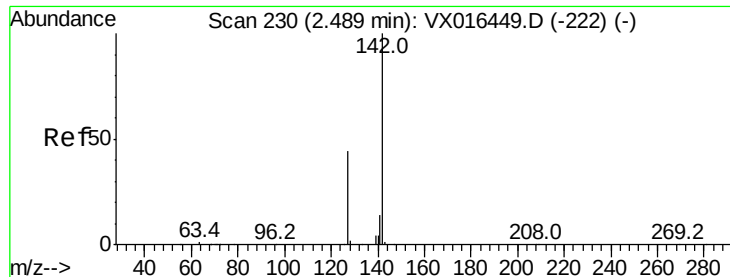
Tgt Ion: 94 Resp: 372

Ion Ratio Lower Upper

94 100

96 69.2 75.1 112.7#

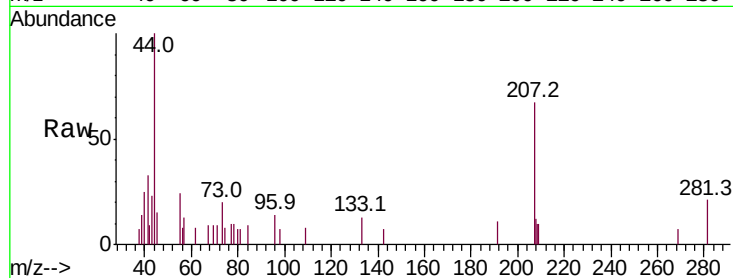




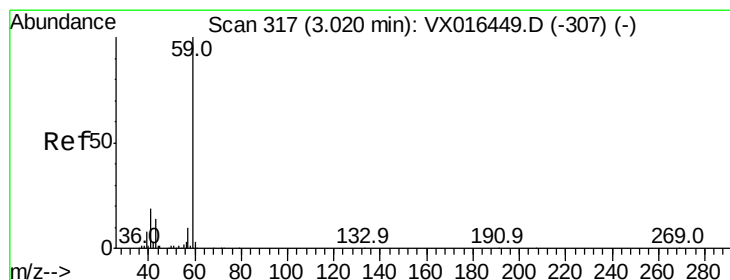
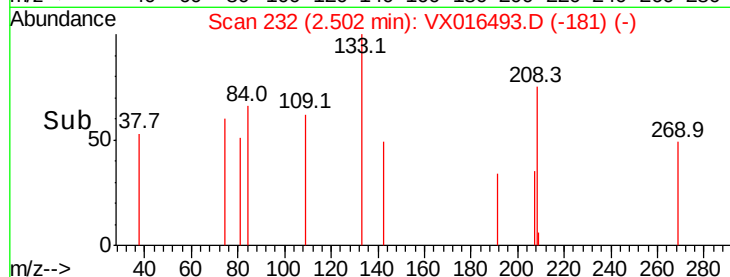
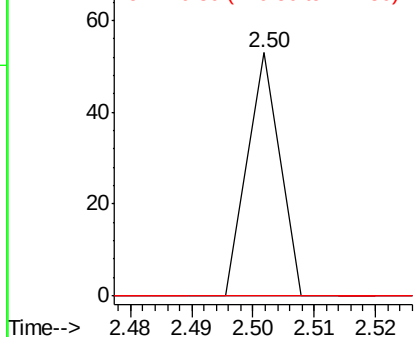
#10
Methyl Iodide
Concen: 3.062 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX016493.D
Acq: 28 May 2020 18:11

Instrument :
MSVOA_X
ClientSampleId :
SS039MW002-200526

Tot Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 11.4 17.2#

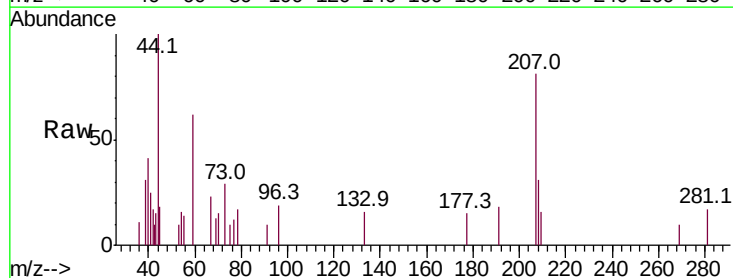


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

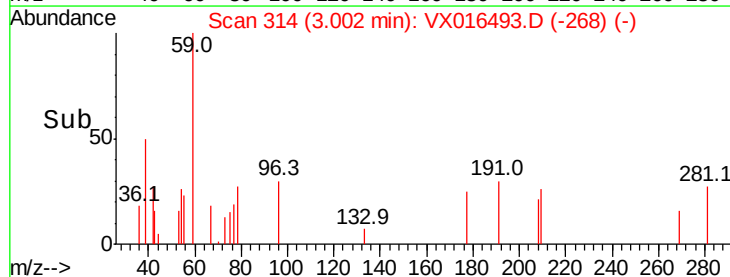
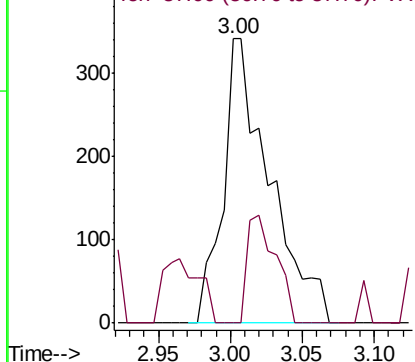


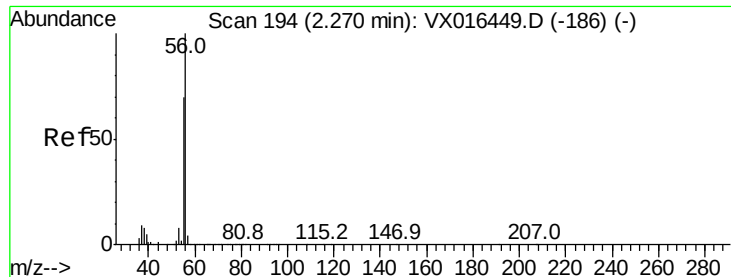
#11
Tert butyl alcohol
Concen: 0.925 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016493.D
Acq: 28 May 2020 18:11

Tgt Ion: 59 Resp: 772
Ion Ratio Lower Upper
59 100
57 22.5 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: 2.366 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016493.D

Acq: 28 May 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

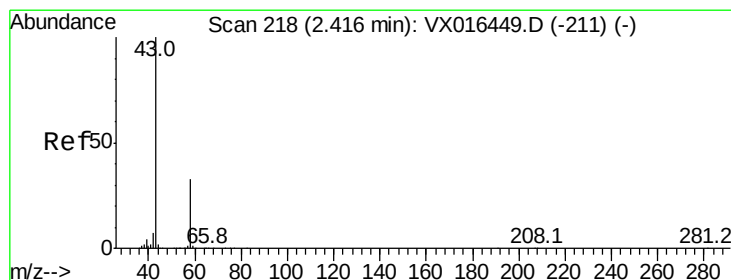
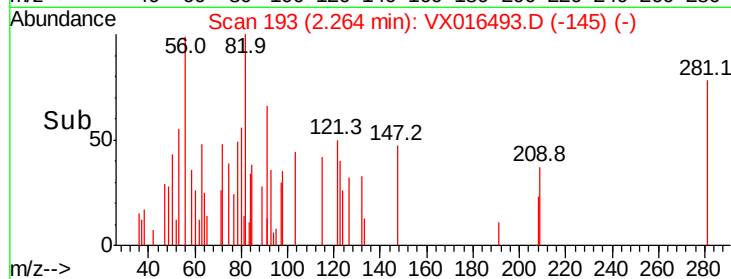
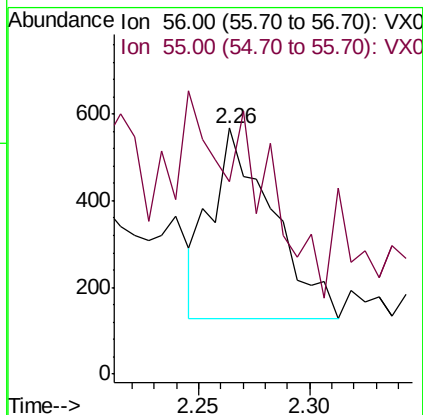
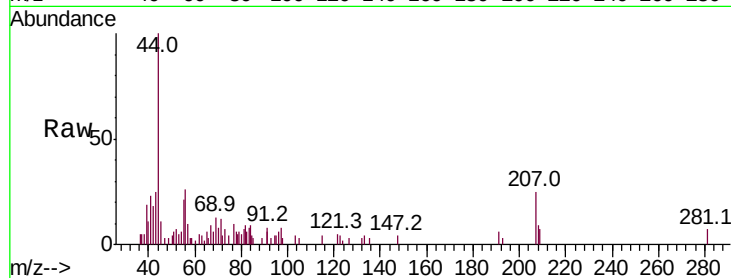
SS039MW002-200526

Tot Ion: 56 Resp: 840

Ion Ratio Lower Upper

56 100

55 22.4 58.3 87.5#



#16

Acetone

Concen: 6.285 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016493.D

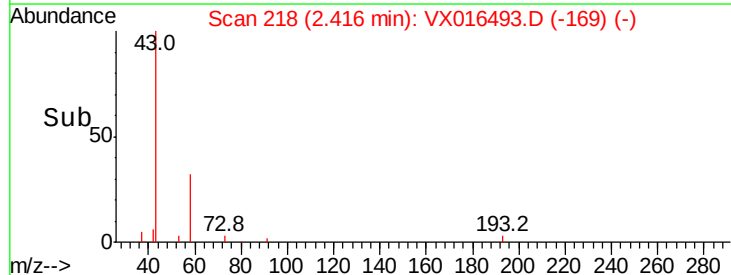
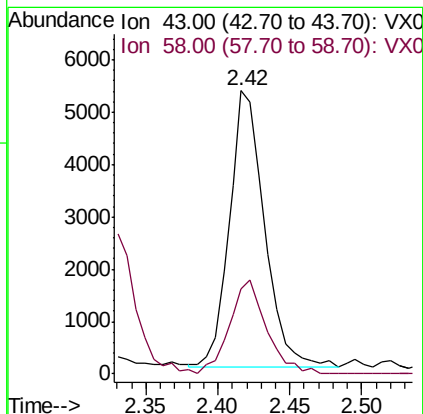
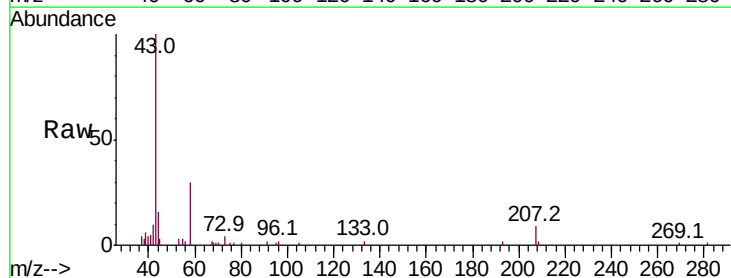
Acq: 28 May 2020 18:11

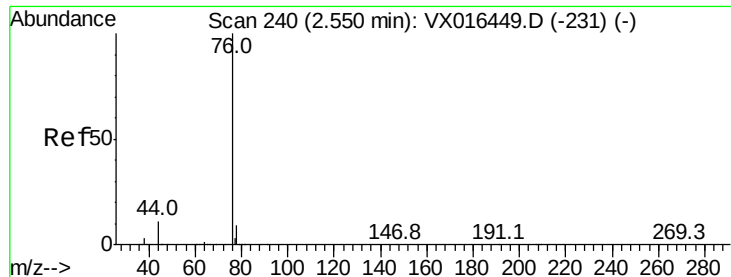
Tgt Ion: 43 Resp: 8964

Ion Ratio Lower Upper

43 100

58 30.7 26.1 39.1





#17

Carbon Disulfide

Concen: 0.483 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016493.D

Acq: 28 May 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

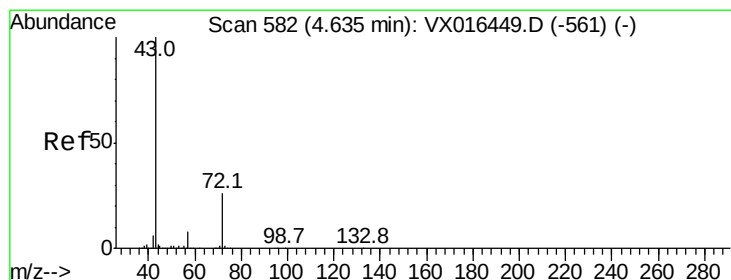
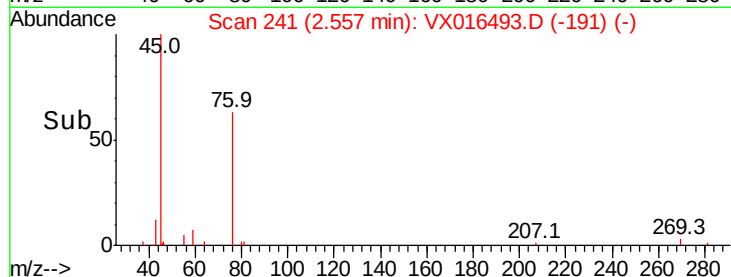
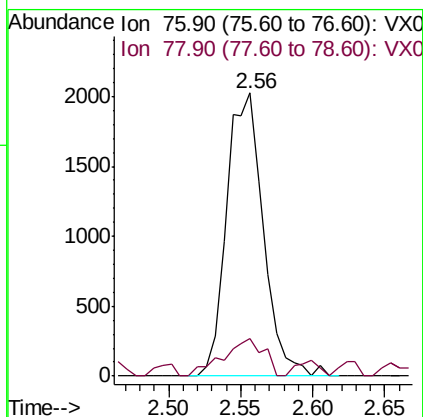
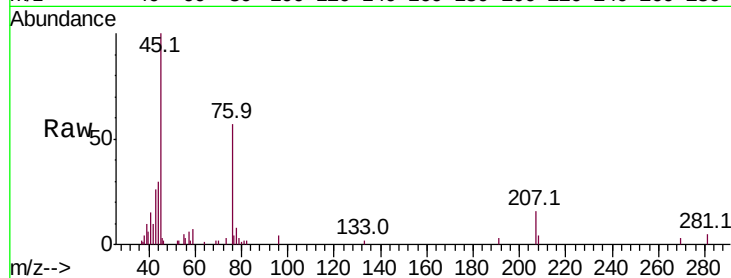
SS039MW002-200526

Tot Ion: 76 Resp: 3620

Ion Ratio Lower Upper

76 100

78 13.5 7.4 11.0#



#25

2-Butanone

Concen: 1.164 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX016493.D

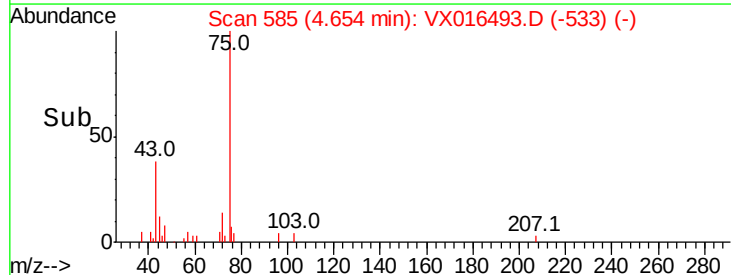
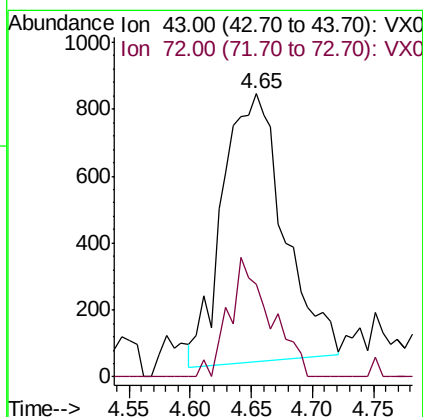
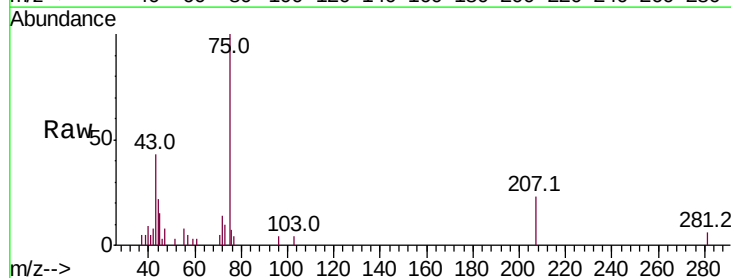
Acq: 28 May 2020 18:11

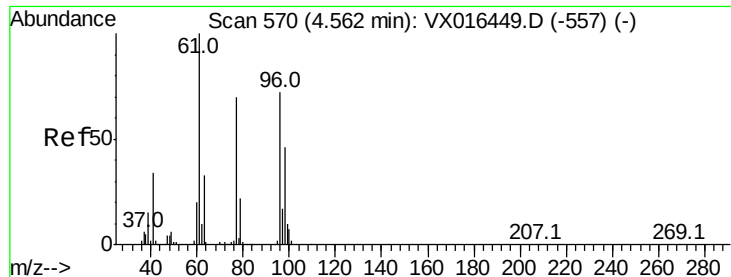
Tgt Ion: 43 Resp: 2812

Ion Ratio Lower Upper

43 100

72 36.0 21.0 31.6#



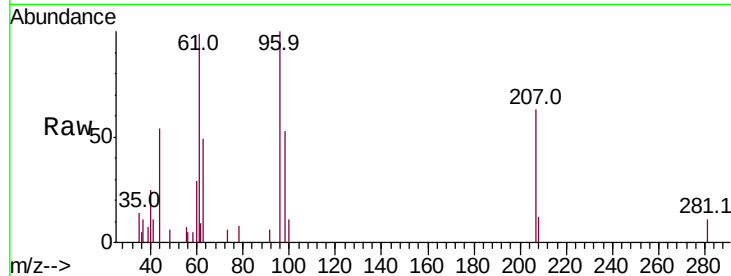


#27

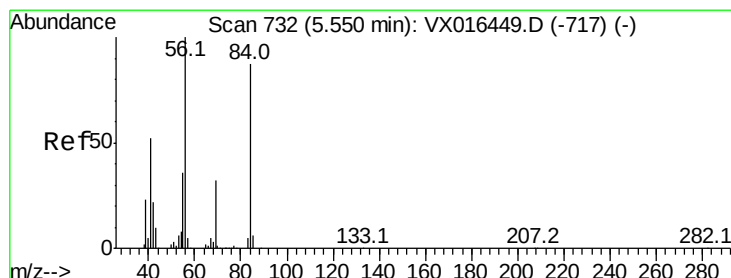
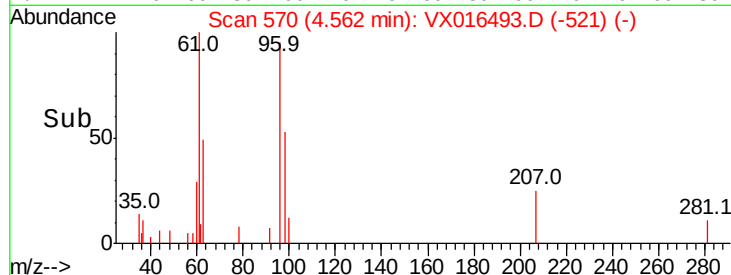
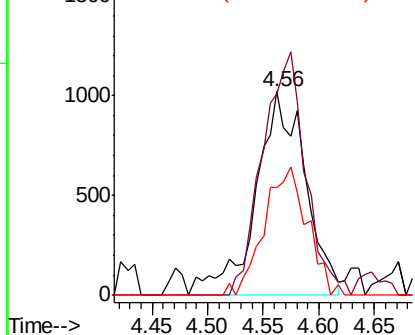
cis-1,2-Dichloroethene
 Concen: 0.983 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VX016493.D
 Acq: 28 May 2020 18:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SS039MW002-200526

Tot Ion: 96 Resp: 3171
 Ion Ratio Lower Upper
 96 100
 61 103.0 0.0 284.6
 98 54.7 0.0 127.2



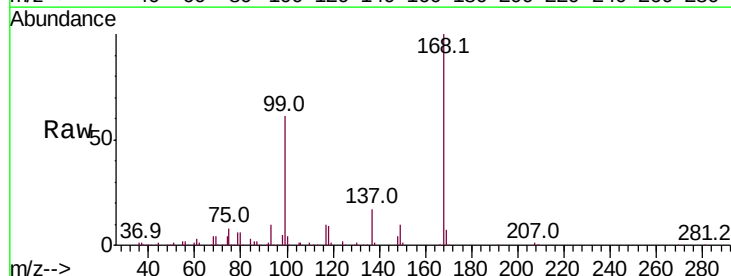
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



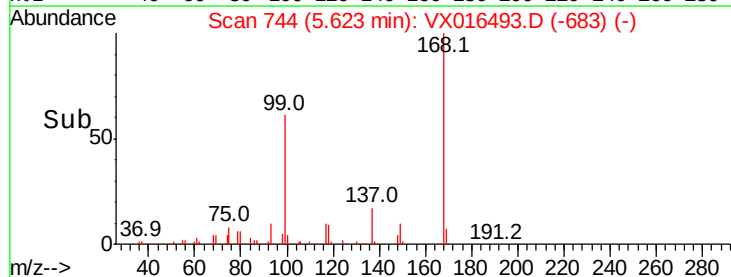
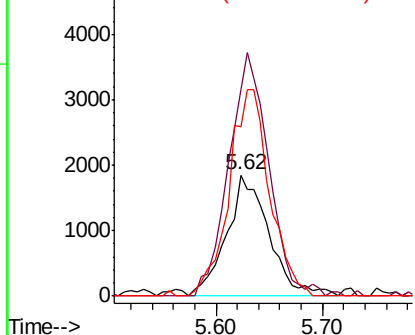
#31

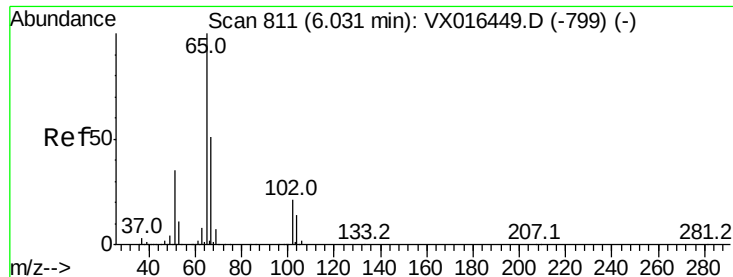
Cyclohexane
 Concen: 1.134 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. 0.07 min
 Lab File: VX016493.D
 Acq: 28 May 2020 18:11

Tgt Ion: 56 Resp: 5131
 Ion Ratio Lower Upper
 56 100
 69 170.9 25.7 38.5#
 84 139.6 70.0 105.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 69.00 (68.70 to 69.70): VX0
 Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.643 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016493.D

Acq: 28 May 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

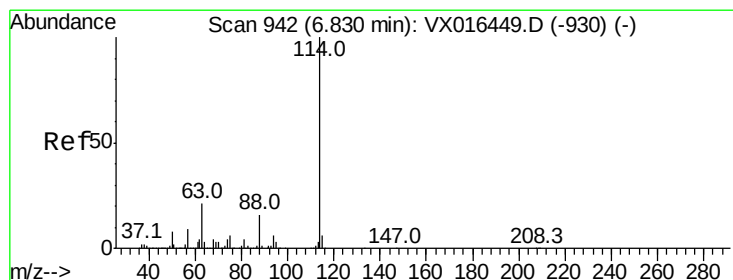
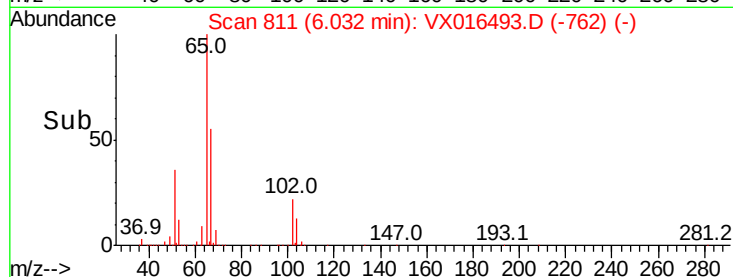
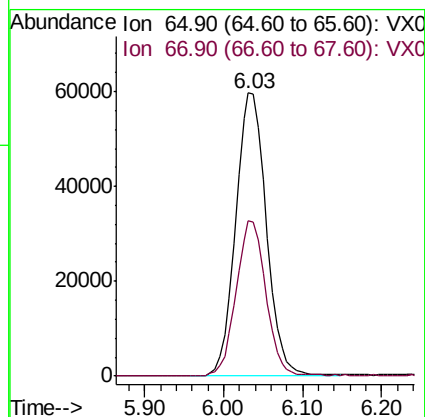
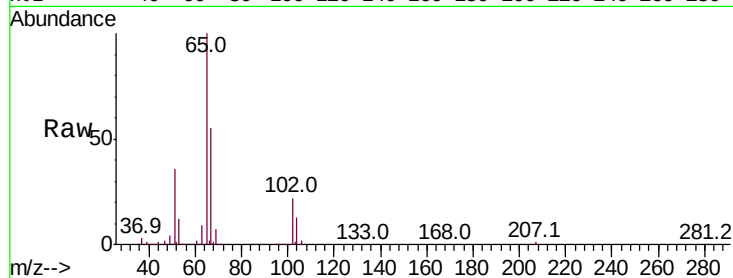
SS039MW002-200526

Tot Ion: 65 Resp: 161598

Ion Ratio Lower Upper

65 100

67 53.5 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: VX016493.D

Acq: 28 May 2020 18:11

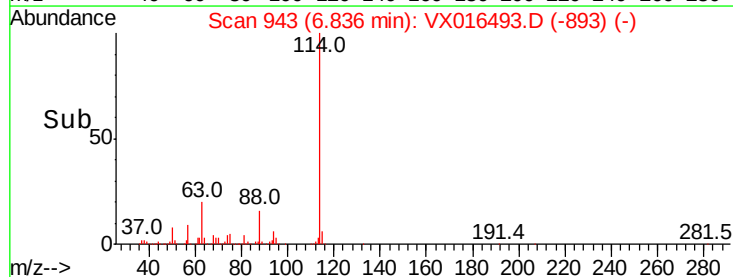
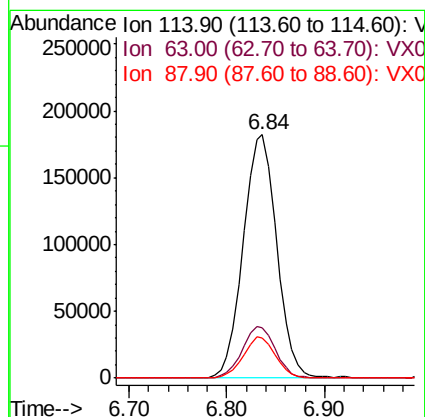
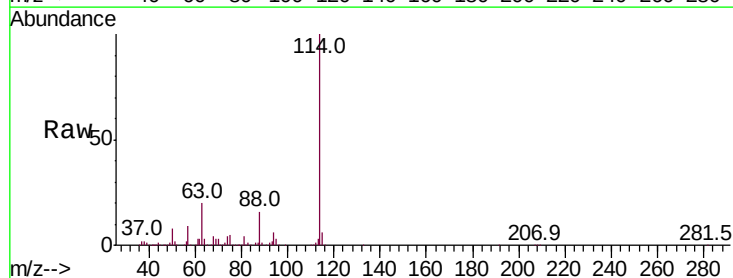
Tgt Ion: 114 Resp: 434083

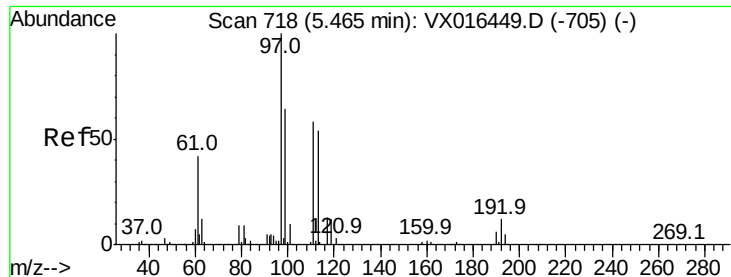
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.756 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016493.D

Acq: 28 May 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

SS039MW002-200526

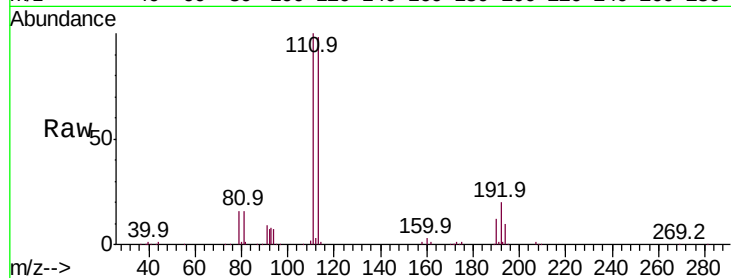
Tot Ion:113 Resp: 127645

Ion Ratio Lower Upper

113 100

111 101.3 83.0 124.6

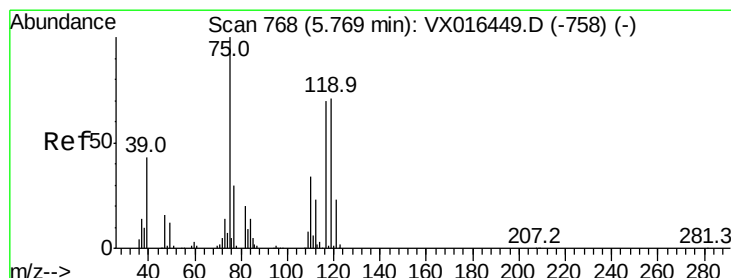
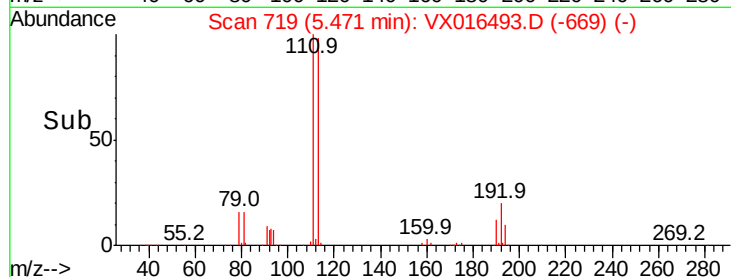
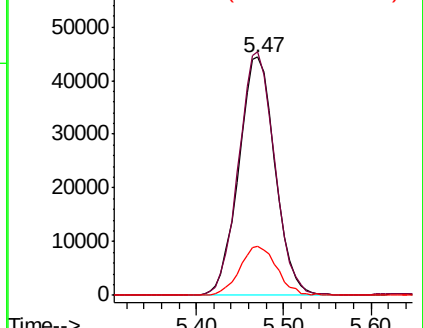
192 21.0 17.7 26.5



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



#36

1,1-Dichloropropene

Concen: 4.736 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016493.D

Acq: 28 May 2020 18:11

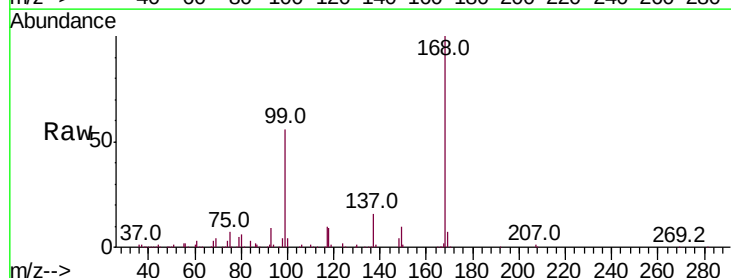
Tgt Ion: 75 Resp: 19464

Ion Ratio Lower Upper

75 100

110 8.9 17.4 52.3#

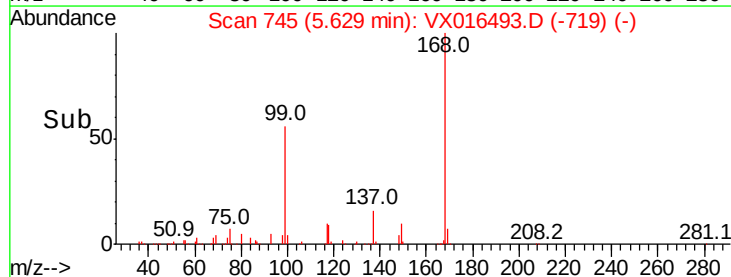
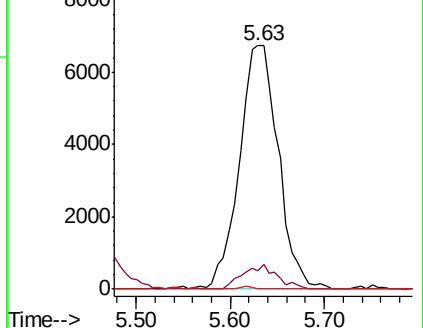
77 0.4 24.2 36.4#

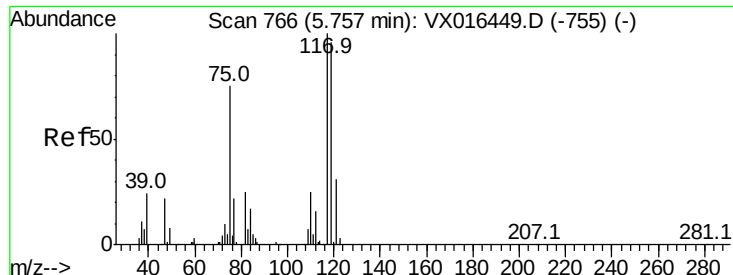


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.983 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016493.D

Acq: 28 May 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

SS039MW002-200526

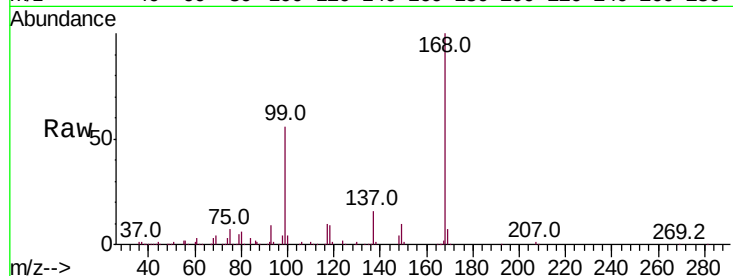
Tot Ion:117 Resp: 25841

Ion Ratio Lower Upper

117 100

119 5.1 76.3 114.5#

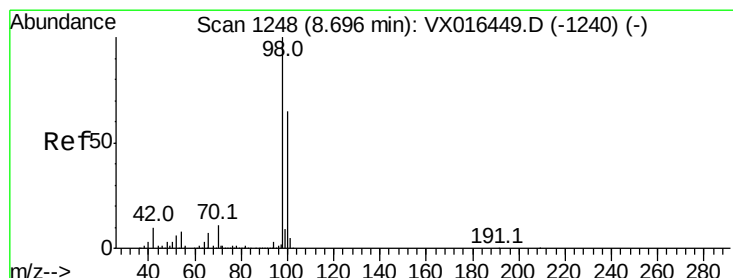
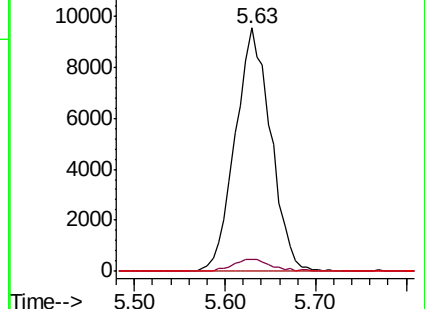
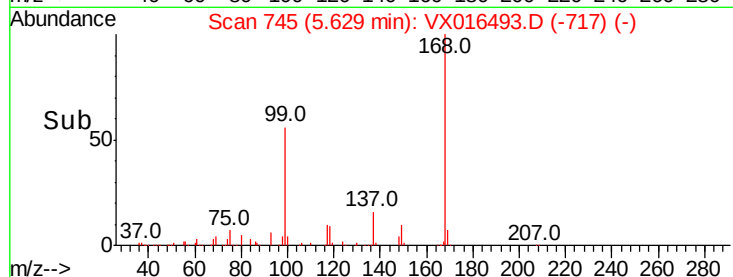
121 0.0 24.6 37.0#



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



#50

Toluene-d8

Concen: 51.485 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016493.D

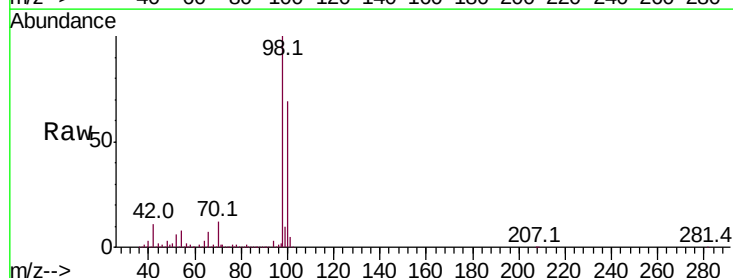
Acq: 28 May 2020 18:11

Tgt Ion: 98 Resp: 535610

Ion Ratio Lower Upper

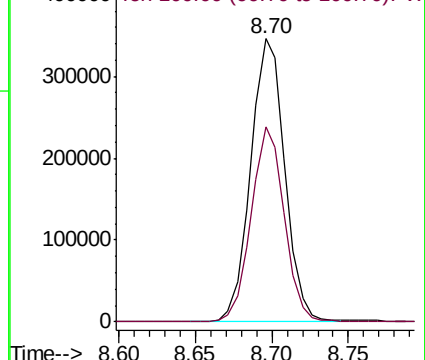
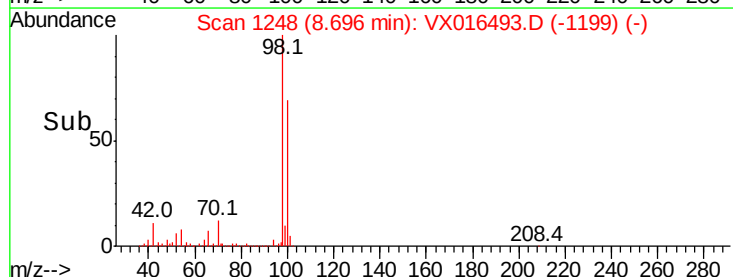
98 100

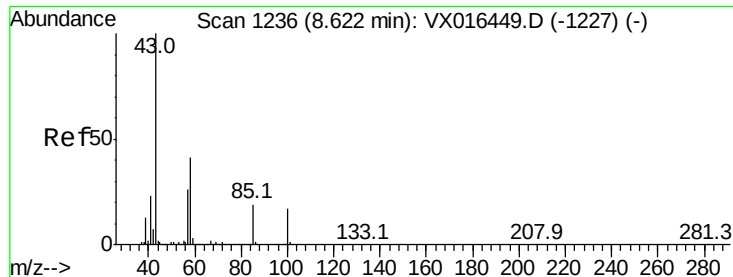
100 67.5 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.204 ug/l

RT: 8.63 min Scan# 1237

Delta R.T. 0.01 min

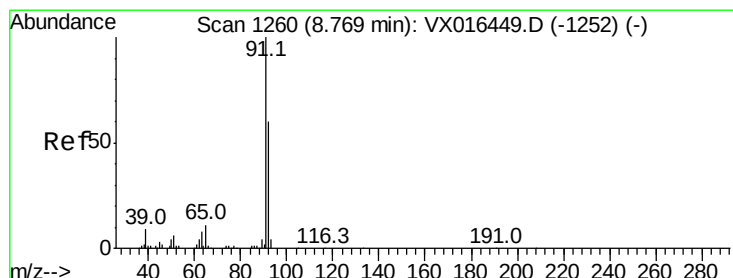
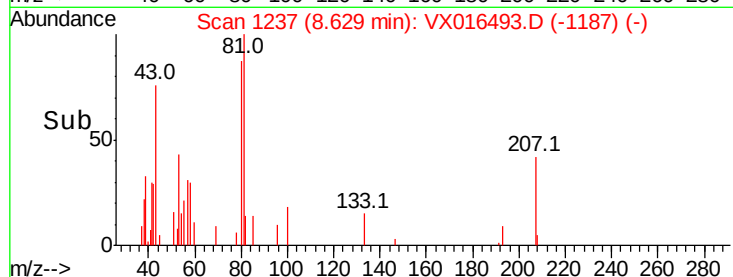
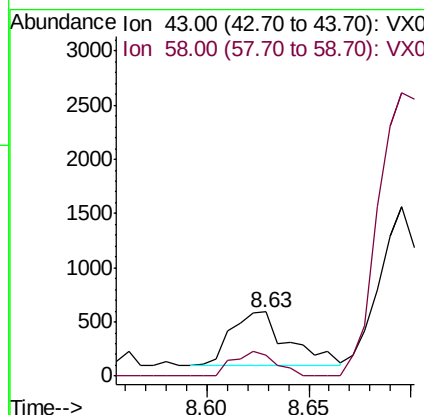
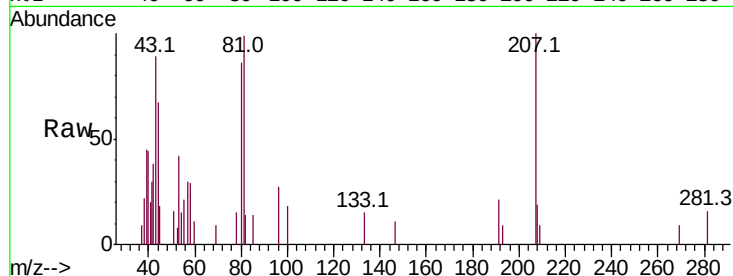
Lab File: VX016493.D

Acq: 28 May 2020 18:11

Instrument :
MSVOA_X
ClientSampleId :
SS039MW002-200526

Tot Ion: 43 Resp: 979

Ion	Ratio	Lower	Upper
43	100		
58	33.8	33.0	49.6



#52

Toluene

Concen: 2.671 ug/l

RT: 8.77 min Scan# 1260

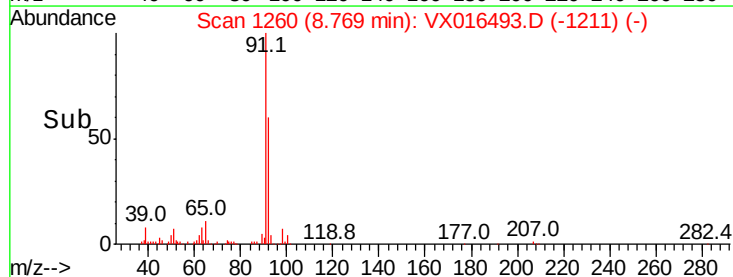
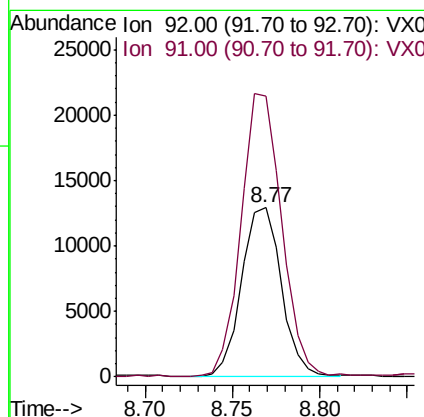
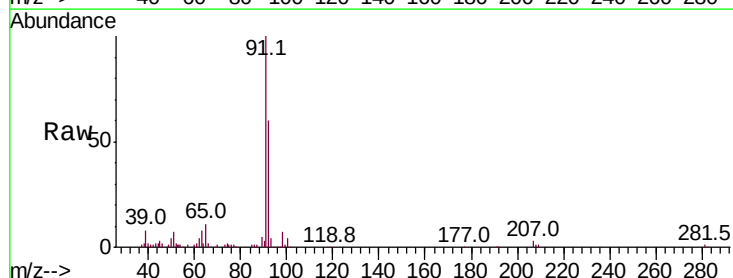
Delta R.T. 0.00 min

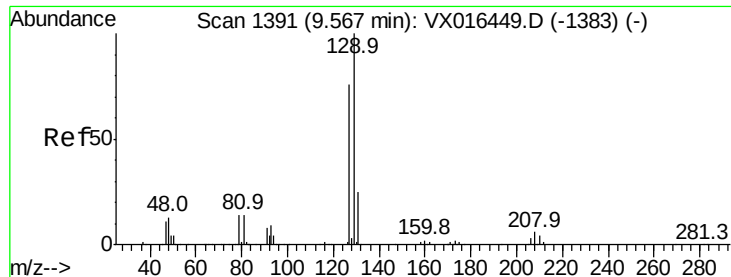
Lab File: VX016493.D

Acq: 28 May 2020 18:11

Tgt Ion: 92 Resp: 20618

Ion	Ratio	Lower	Upper
92	100		
91	171.0	135.0	202.4





#60

Dibromochloromethane

Concen: 0.262 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016493.D

Acq: 28 May 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

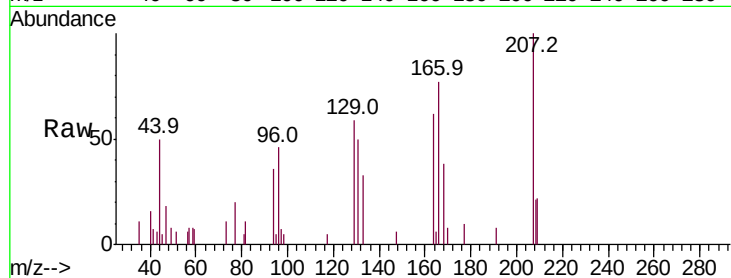
SS039MW002-200526

Tot Ion:129 Resp: 905

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

600

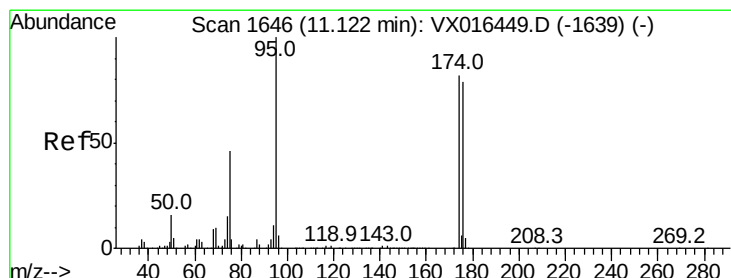
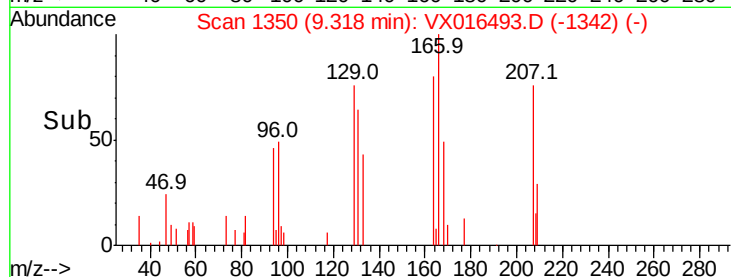
400

200

0

9.30 9.35

Time-->



#62

4-Bromofluorobenzene

Concen: 53.897 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016493.D

Acq: 28 May 2020 18:11

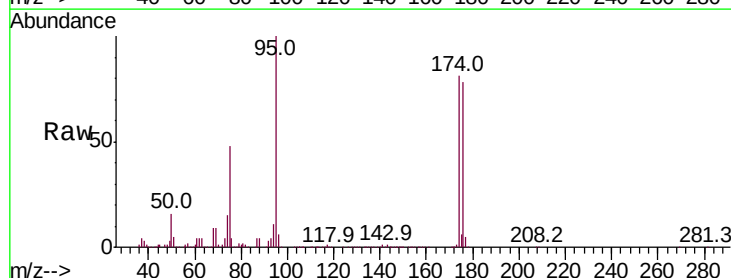
Tgt Ion: 95 Resp: 216654

Ion Ratio Lower Upper

95 100

174 80.6 0.0 163.0

176 79.0 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

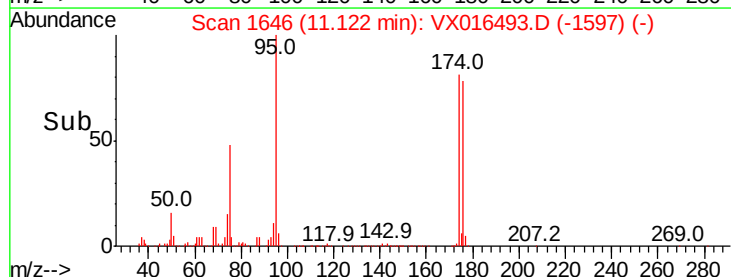
100000

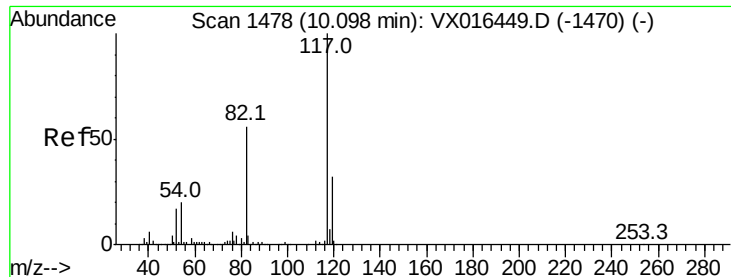
50000

0

11.10 11.20

Time-->

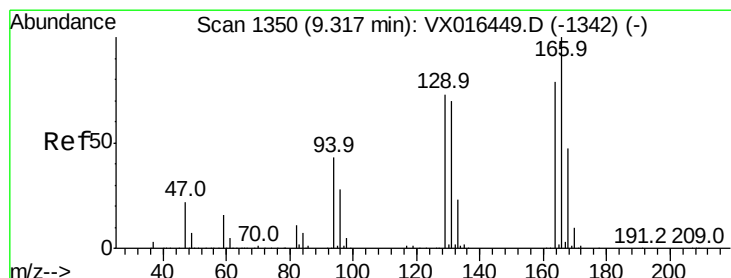
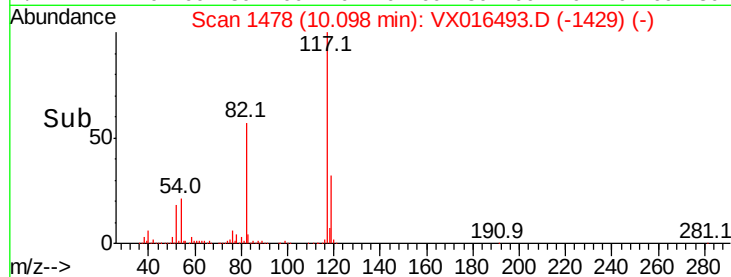
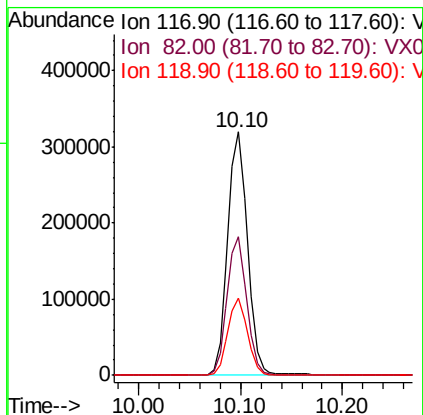
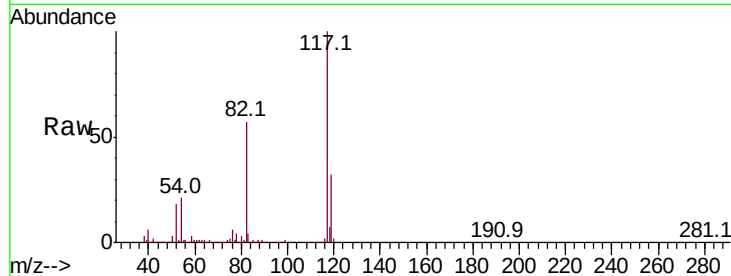




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016493.D
Acq: 28 May 2020 18:11

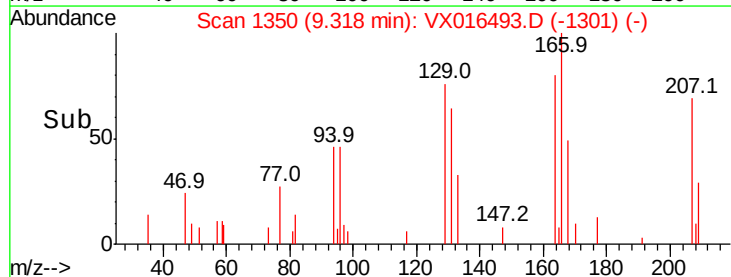
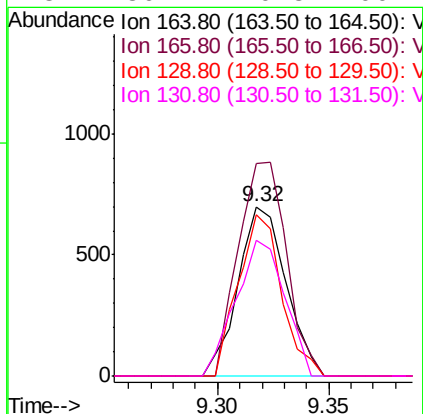
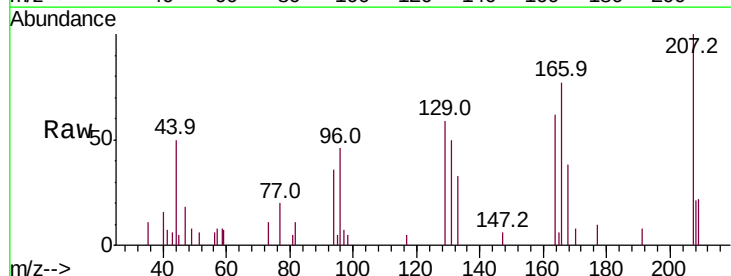
Instrument :
MSVOA_X
ClientSampleId :
SS039MW002-200526

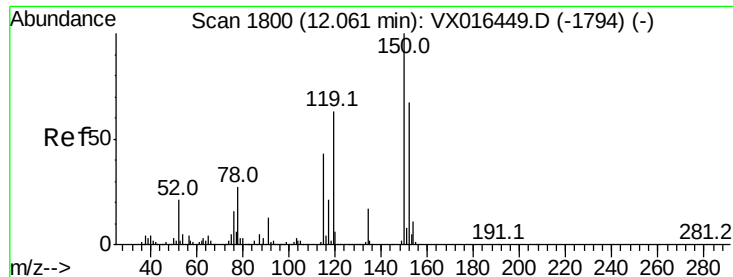
Tot Ion:117 Resp: 430297
Ion Ratio Lower Upper
117 100
82 56.7 45.0 67.6
119 31.8 25.8 38.8



#64
Tetrachloroethene
Concen: 0.218 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX016493.D
Acq: 28 May 2020 18:11

Tgt Ion:164 Resp: 1050
Ion Ratio Lower Upper
164 100
166 125.0 100.9 151.3
129 95.1 73.2 109.8
131 80.4 70.8 106.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016493.D

Acq: 28 May 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

SS039MW002-200526

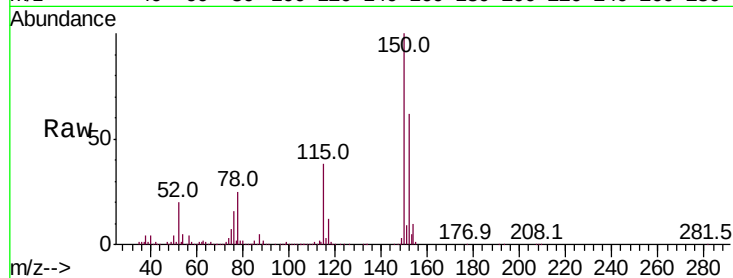
Tot Ion:152 Resp: 213207

Ion Ratio Lower Upper

152 100

115 58.7 39.9 119.6

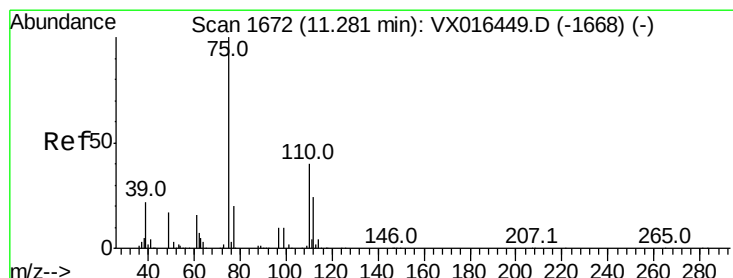
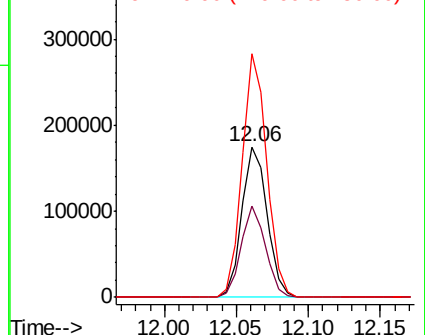
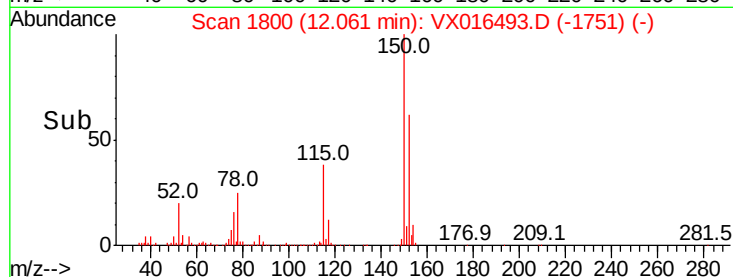
150 157.6 0.0 341.0



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



#76

1,2,3-Trichloropropane

Concen: 22.649 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016493.D

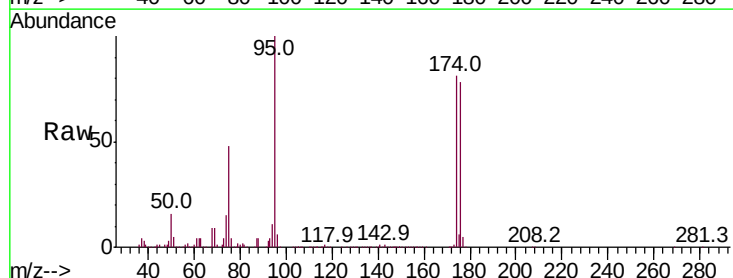
Acq: 28 May 2020 18:11

Tgt Ion: 75 Resp: 106144

Ion Ratio Lower Upper

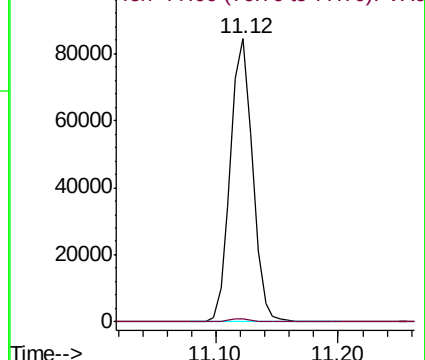
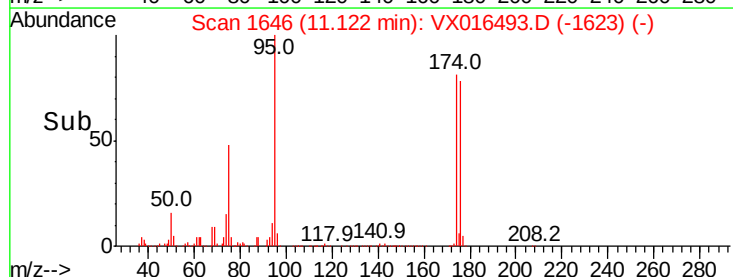
75 100

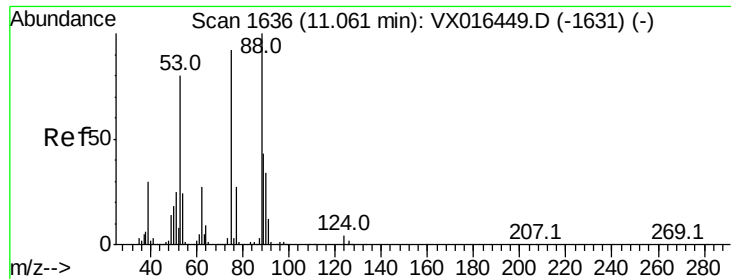
77 1.2 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.714 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016493.D
 Acq: 28 May 2020 18:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SS039MW002-200526

Tot Ion: 75 Resp: 106144
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.0 36.6 55.0#

