

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX051420\
 Data File : VX016238.D
 Acq On : 14 May 2020 17:54
 Operator : JC/SP
 Sample : L2643-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-200513

Quant Time: May 15 01:34:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	241413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	405632	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	399446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	204188	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	150842	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
35) Dibromofluoromethane	5.47	113	120097	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
50) Toluene-d8	8.70	98	500971	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.12	95	198469	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	

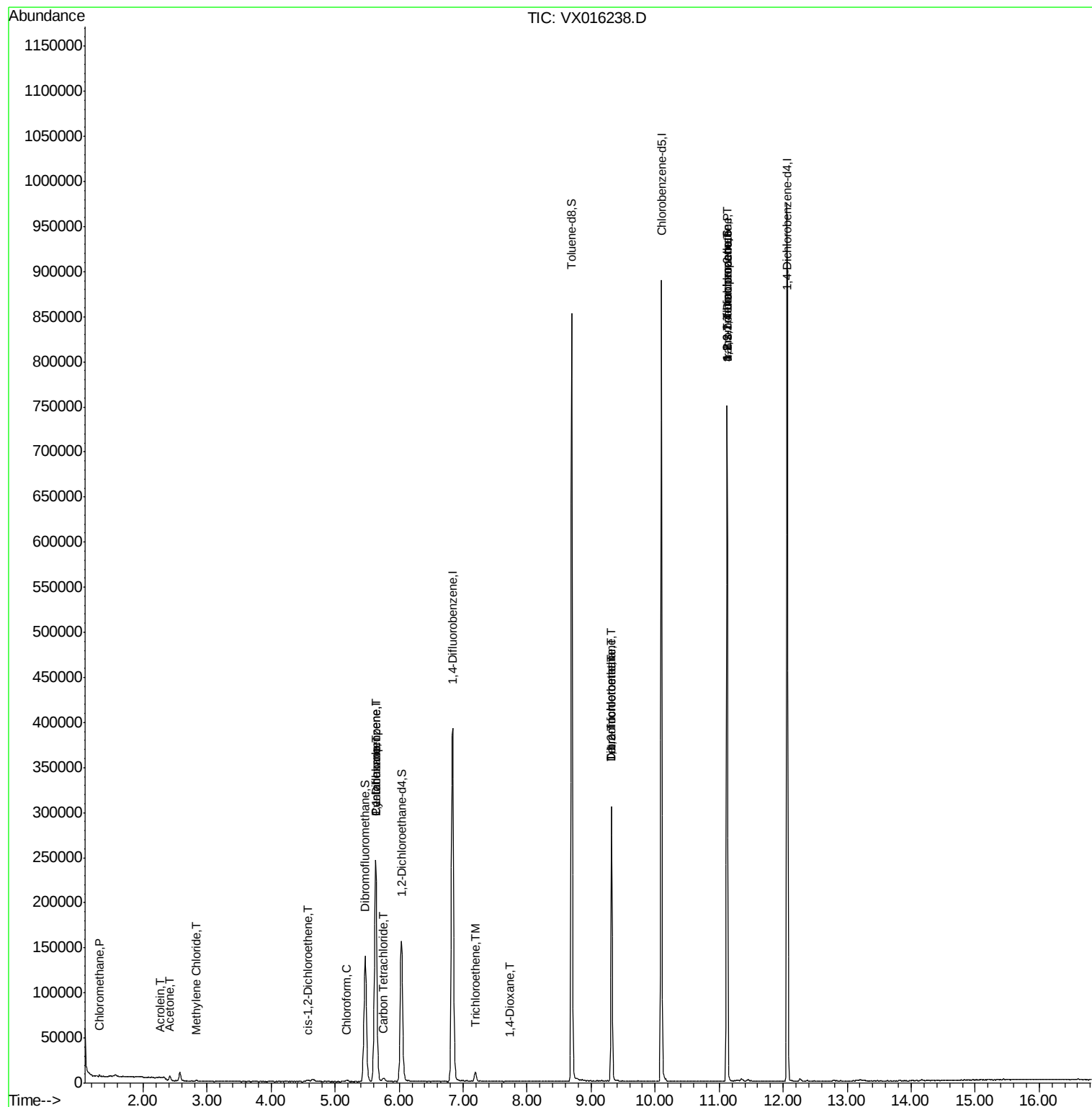
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1174	0.40	ug/l	92
13) Acrolein	2.27	56	320	0.64	ug/l	# 56
16) Acetone	2.42	43	5598	3.95	ug/l	95
17) Carbon Disulfide	2.55	76	1487	Below Cal	#	79
20) Methylene Chloride	2.84	84	616	0.21	ug/l	# 68
27) cis-1,2-Dichloroethene	4.56	96	1894	0.62	ug/l	63
30) Chloroform	5.18	83	2367	0.49	ug/l	# 81
31) Cyclohexane	5.64	56	4578	1.04	ug/l	# 1
36) 1,1-Dichloropropene	5.63	75	18223	4.56	ug/l	# 49
38) Carbon Tetrachloride	5.76	117	3353	0.83	ug/l	88
44) Trichloroethene	7.19	130	3897	0.94	ug/l	94
49) 1,4-Dioxane	7.74	88	40	0.48	ug/l	# 1
55) 1,1,2-Trichloroethane	9.32	97	642	0.22	ug/l	# 1
60) Dibromochloromethane	9.32	129	55335	17.54	ug/l	# 11
64) Tetrachloroethene	9.32	164	61733	12.59	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.12	83	123	2.09	ug/l	# 1
76) 1,2,3-Trichloropropane	11.12	75	98212	21.20	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	11.12	75	98212	50.51	ug/l	# 13

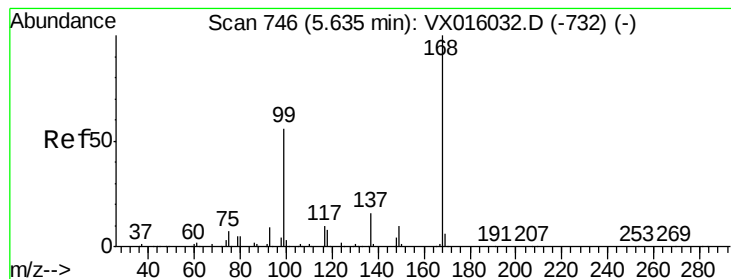
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX051420\
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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016238.D

Acq: 14 May 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

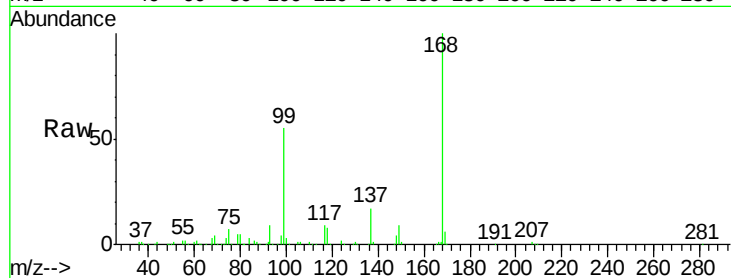
SS052MW749-200513

Tgt Ion: 168 Resp: 241413

Ion Ratio Lower Upper

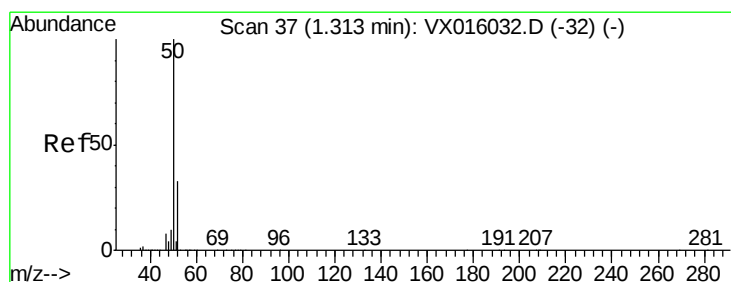
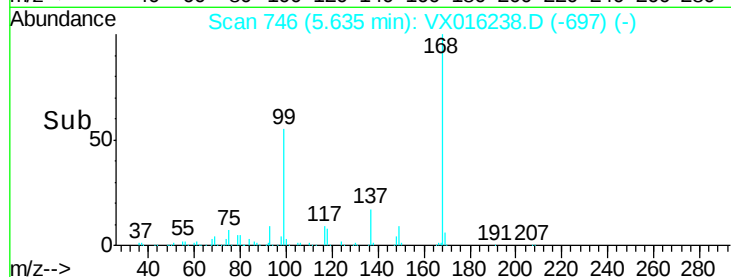
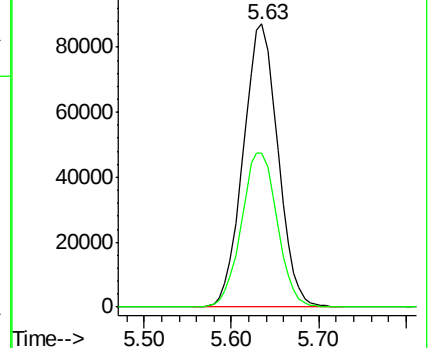
168 100

99 54.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.40 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016238.D

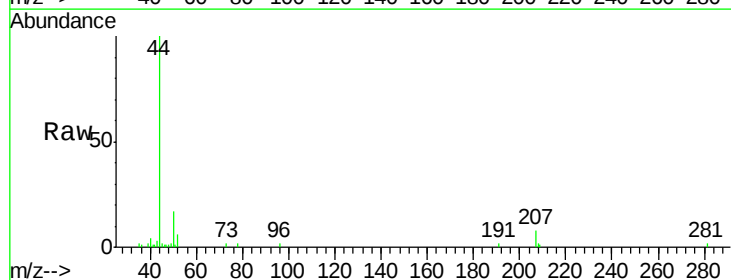
Acq: 14 May 2020 17:54

Tgt Ion: 50 Resp: 1174

Ion Ratio Lower Upper

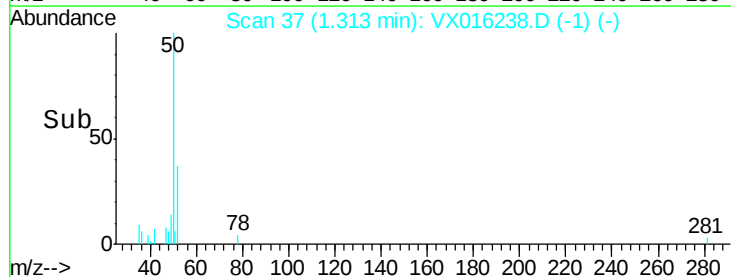
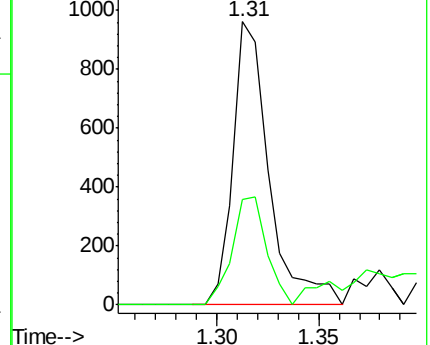
50 100

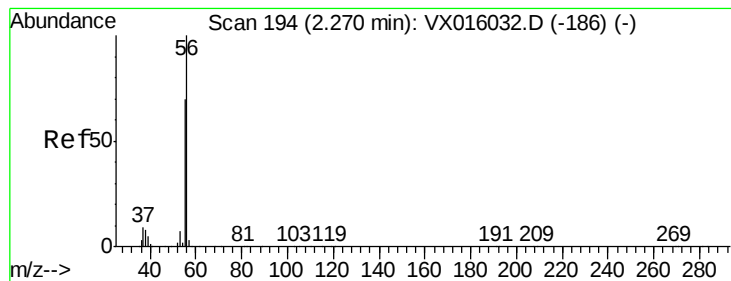
52 37.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#13

Acrolein

Concen: 0.64 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016238.D

Acq: 14 May 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

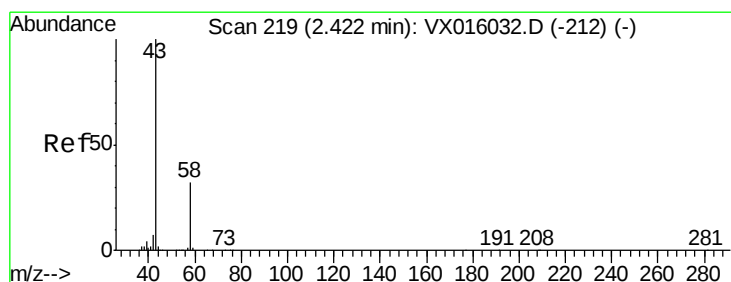
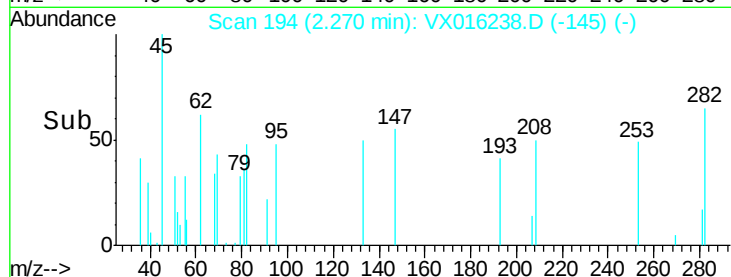
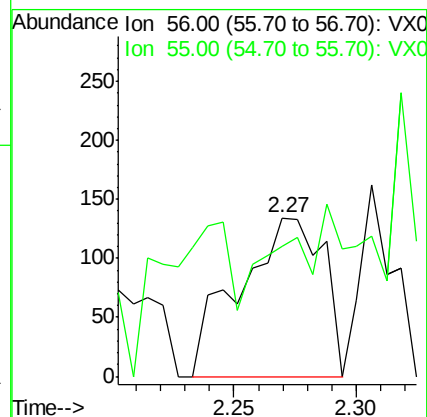
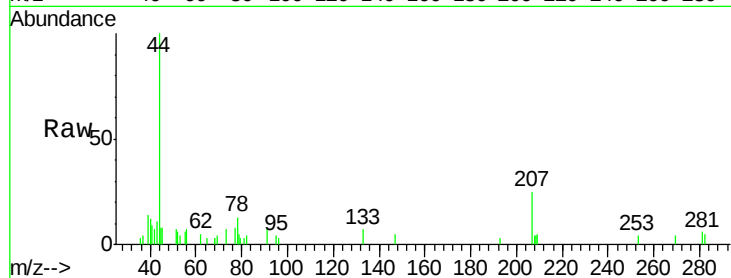
SS052MW749-200513

Tgt Ion: 56 Resp: 320

Ion Ratio Lower Upper

56 100

55 34.1 56.5 84.7#



#16

Acetone

Concen: 3.95 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016238.D

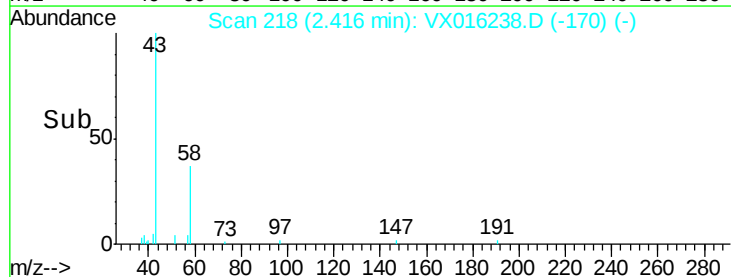
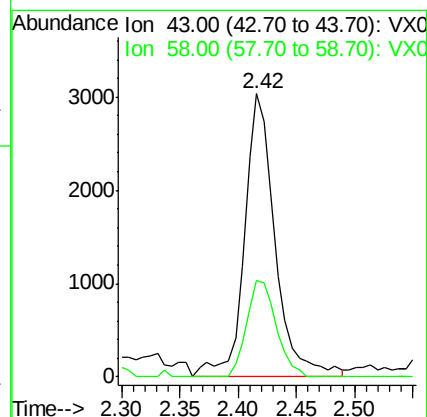
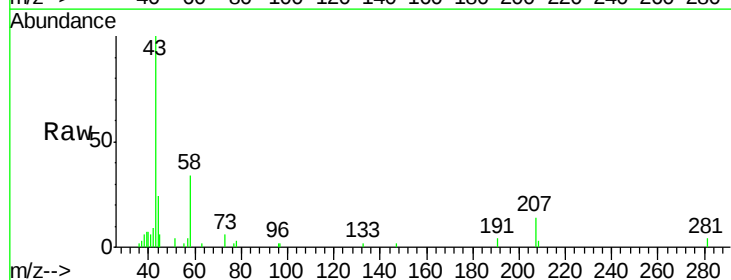
Acq: 14 May 2020 17:54

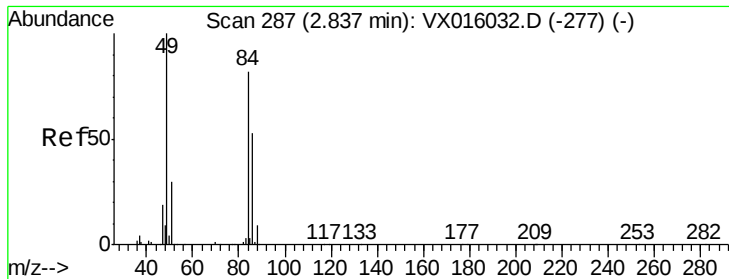
Tgt Ion: 43 Resp: 5598

Ion Ratio Lower Upper

43 100

58 34.3 25.4 38.0

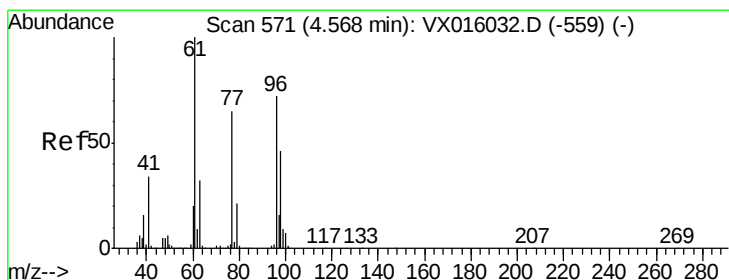
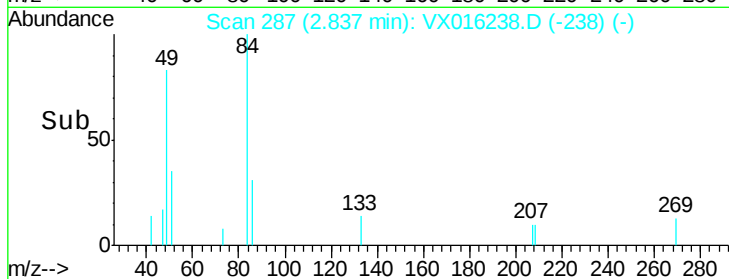
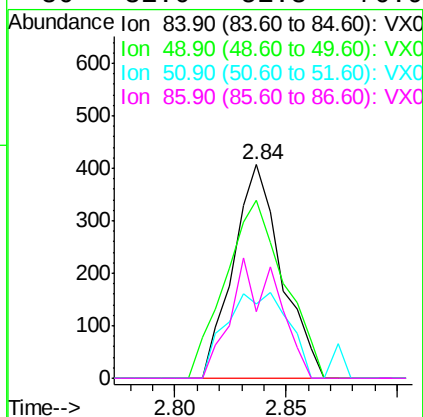
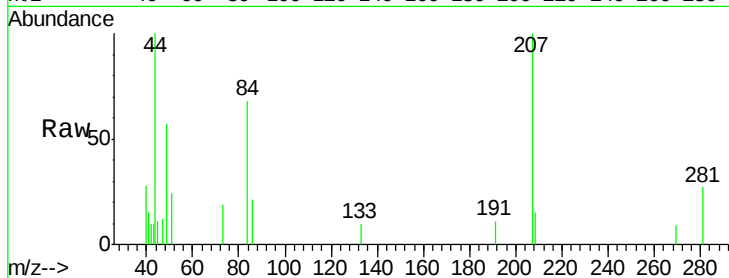




#20
Methylene Chloride
Concen: 0.21 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016238.D
Acq: 14 May 2020 17:54

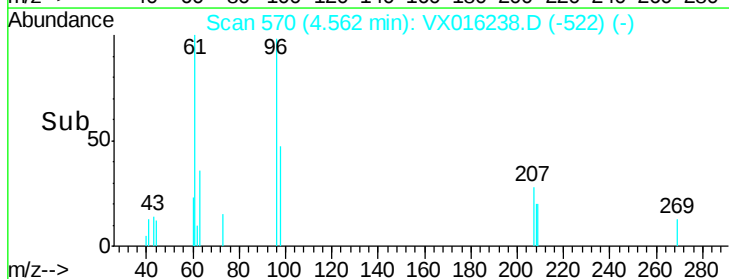
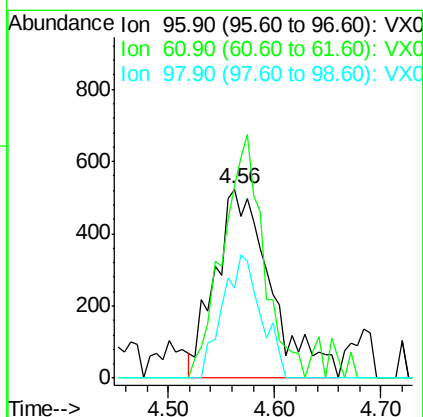
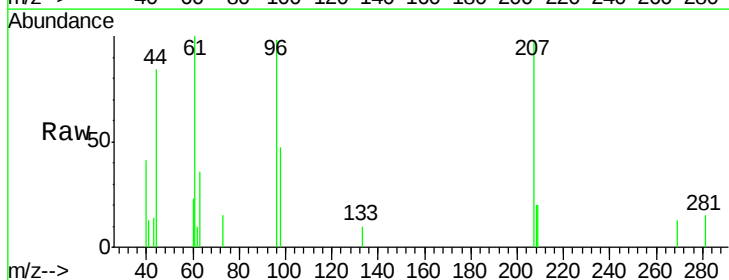
Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-200513

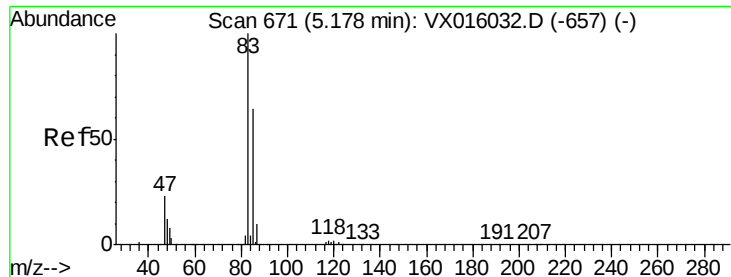
Tgt Ion:	84	Resp:	616
Ion	Ratio	Lower	Upper
84	100		
49	83.0	97.3	145.9#
51	34.9	29.3	43.9
86	31.0	51.3	76.9#



#27
cis-1,2-Dichloroethene
Concen: 0.62 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016238.D
Acq: 14 May 2020 17:54

Tgt Ion:	96	Resp:	1894
Ion	Ratio	Lower	Upper
96	100		
61	94.9	0.0	296.2
98	45.5	0.0	129.4

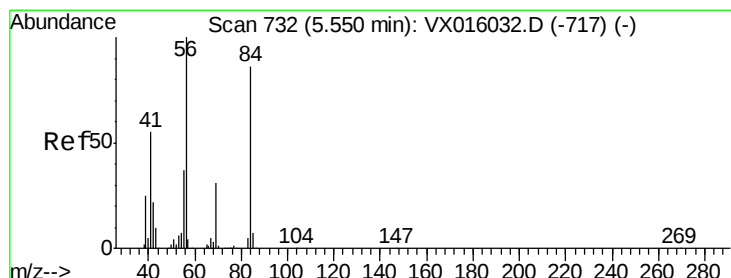
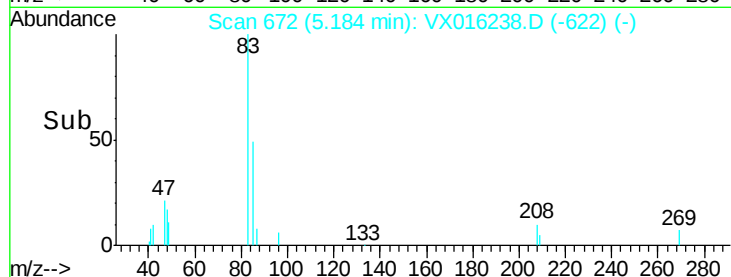
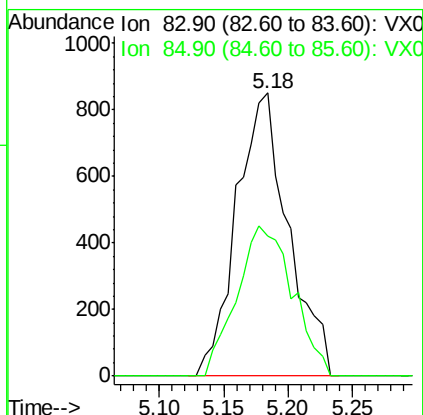
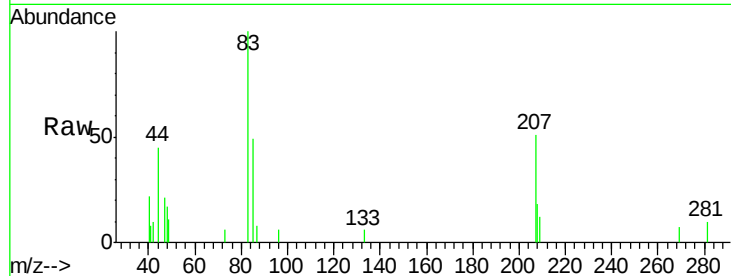




#30
Chloroform
Concen: 0.49 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX016238.D
Acq: 14 May 2020 17:54

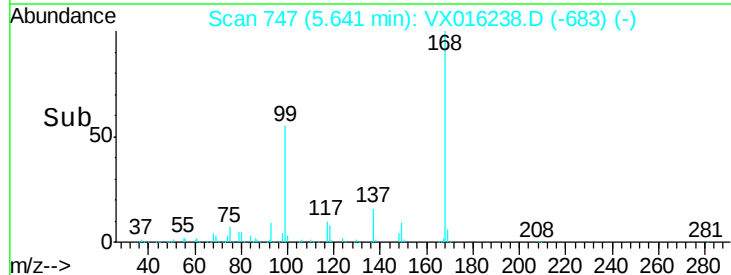
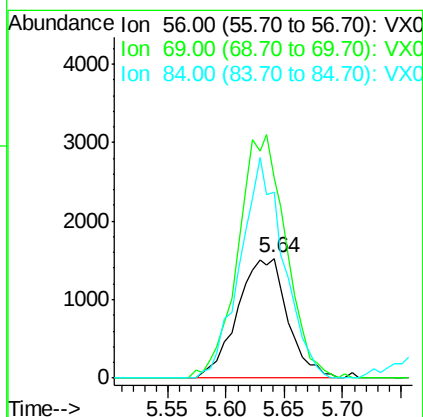
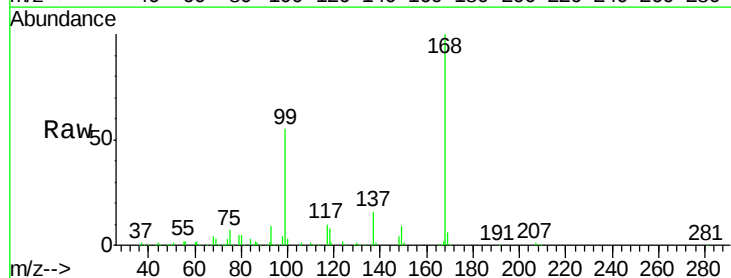
Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-200513

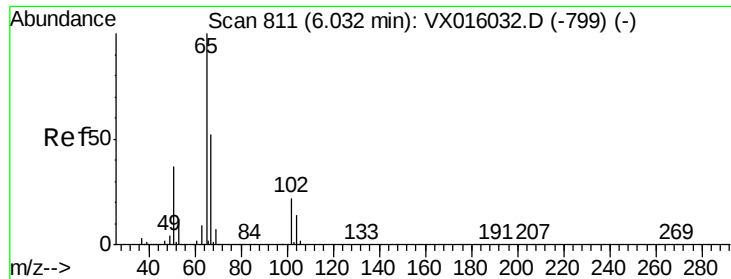
Tgt Ion: 83 Resp: 2367
Ion Ratio Lower Upper
83 100
85 49.5 51.6 77.4#



#31
Cyclohexane
Concen: 1.04 ug/l
RT: 5.64 min Scan# 747
Delta R.T. 0.09 min
Lab File: VX016238.D
Acq: 14 May 2020 17:54

Tgt Ion: 56 Resp: 4578
Ion Ratio Lower Upper
56 100
69 167.3 25.0 37.6#
84 155.6 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 47.48 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016238.D

Acq: 14 May 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

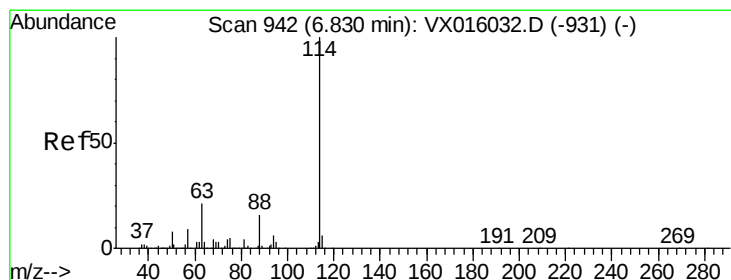
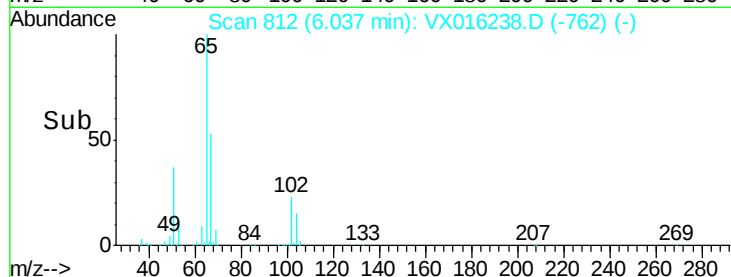
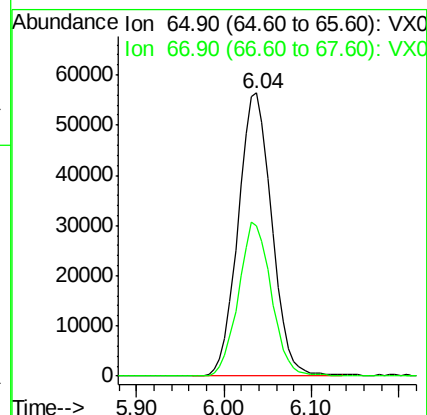
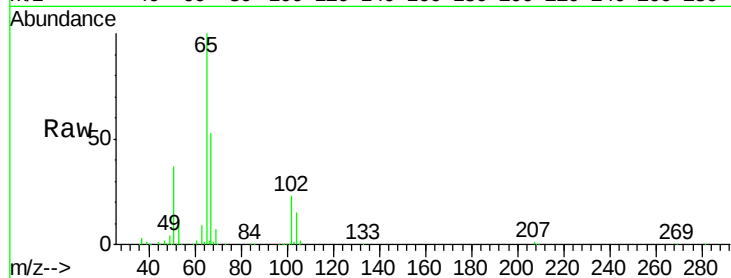
SS052MW749-200513

Tgt Ion: 65 Resp: 150842

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016238.D

Acq: 14 May 2020 17:54

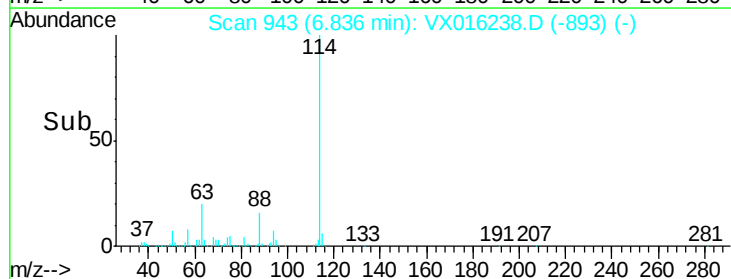
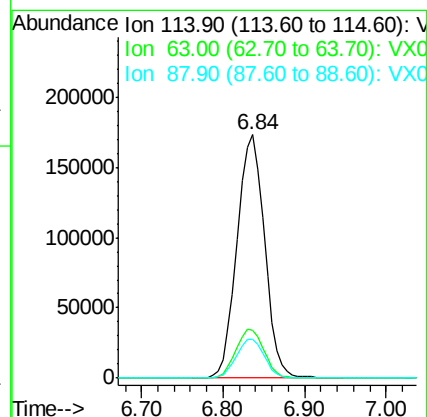
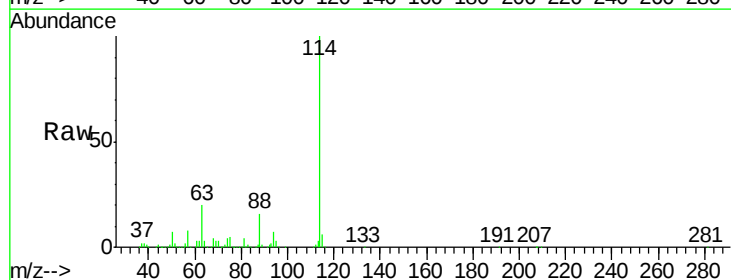
Tgt Ion: 114 Resp: 405632

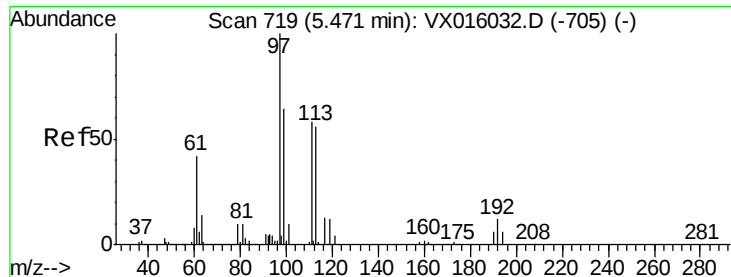
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.8

88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.73 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016238.D

Acq: 14 May 2020 17:54

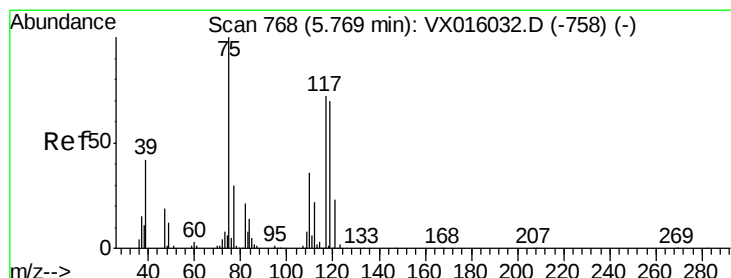
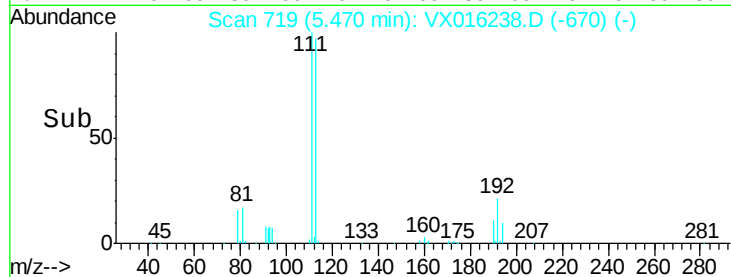
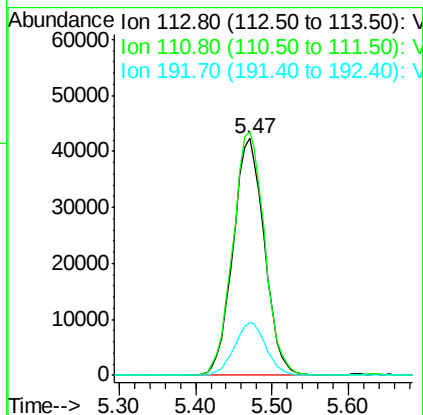
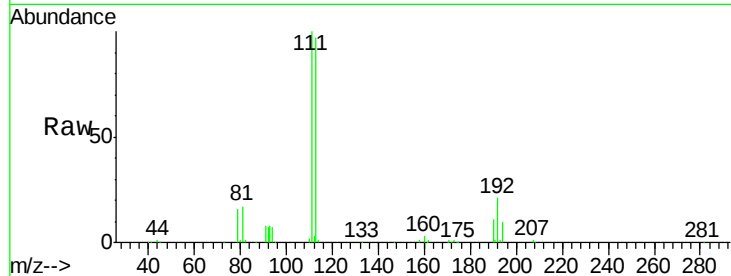
Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-200513

Tgt Ion:	113	Resp:	120097
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.6	122.4
192	22.2	17.0	25.4



#36

1,1-Dichloropropene

Concen: 4.56 ug/l

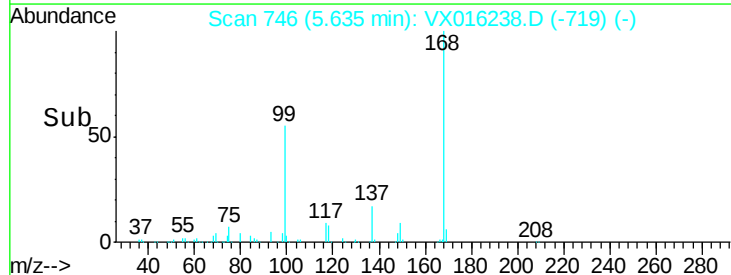
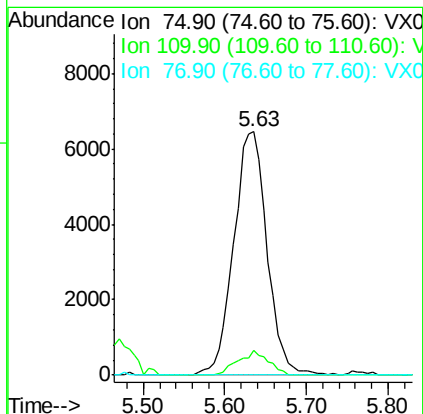
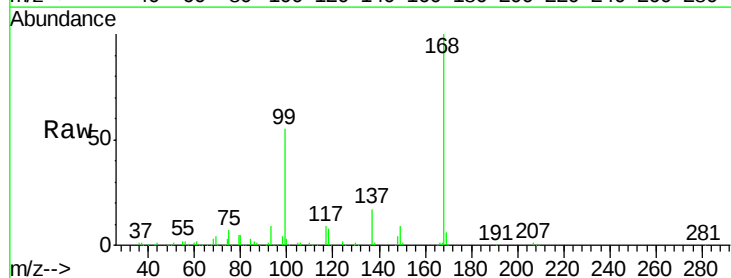
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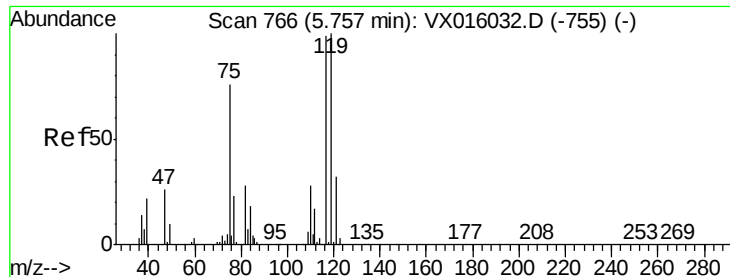
Delta R.T. -0.13 min

Lab File: VX016238.D

Acq: 14 May 2020 17:54

Tgt Ion:	75	Resp:	18223
Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.1#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 0.83 ug/l

RT: 5.76 min Scan# 767

Delta R.T. 0.01 min

Lab File: VX016238.D

Acq: 14 May 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-200513

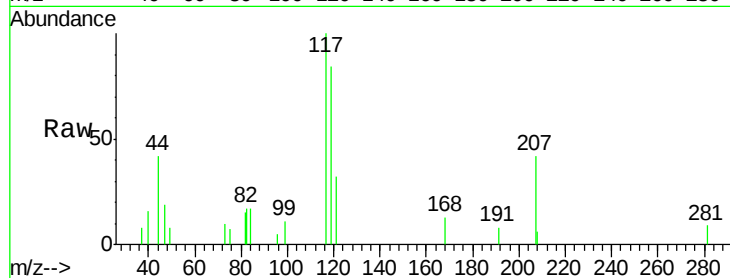
Tgt Ion:117 Resp: 3353

Ion Ratio Lower Upper

117 100

119 84.5 80.3 120.5

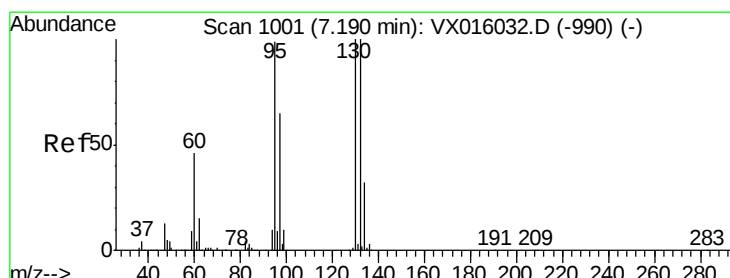
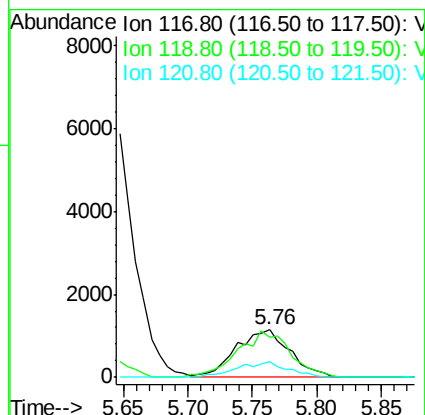
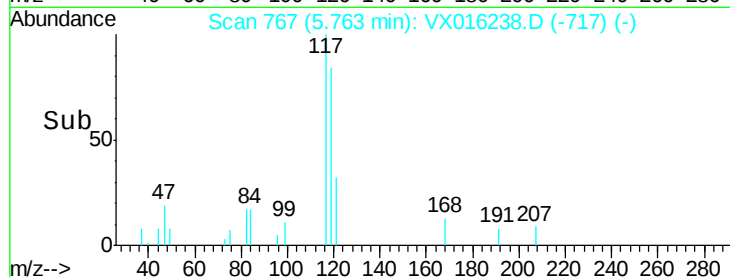
121 32.2 25.7 38.5



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



#44

Trichloroethene

Concen: 0.94 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016238.D

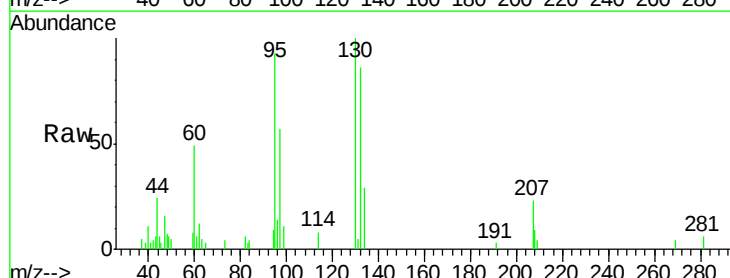
Acq: 14 May 2020 17:54

Tgt Ion:130 Resp: 3897

Ion Ratio Lower Upper

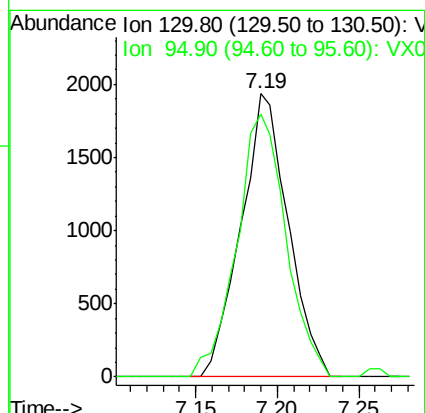
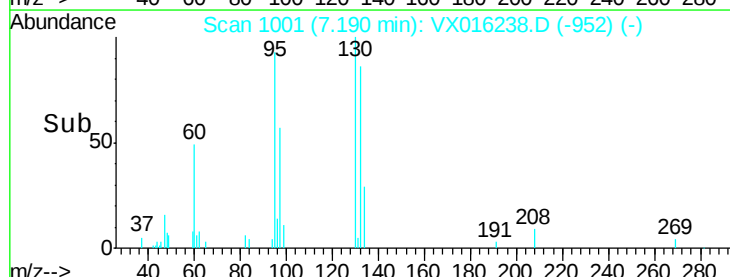
130 100

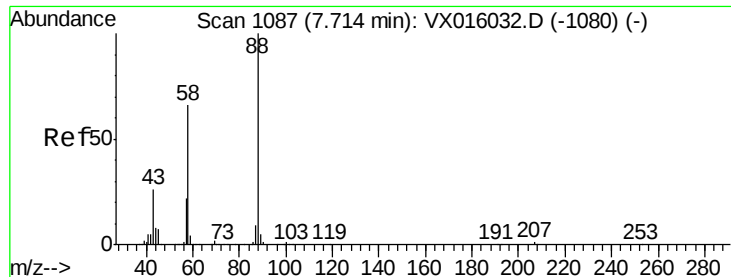
95 93.0 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

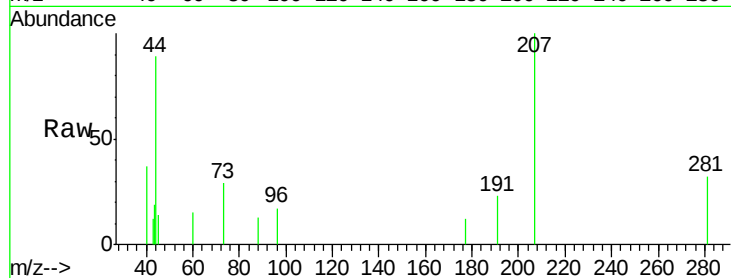




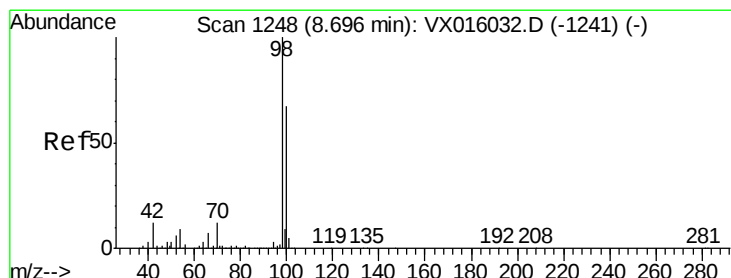
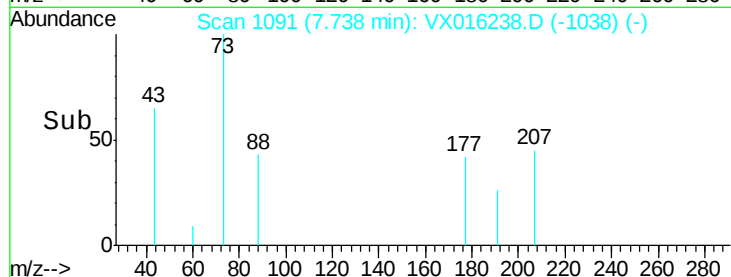
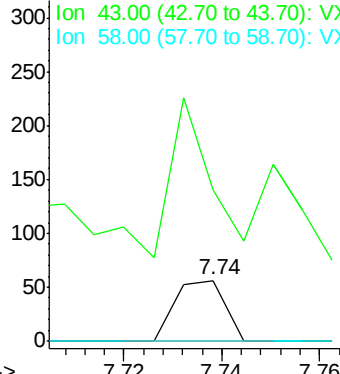
#49
 1,4-Dioxane
 Concen: 0.48 ug/l
 RT: 7.74 min Scan# 1091
 Delta R.T. 0.02 min
 Lab File: VX016238.D
 Acq: 14 May 2020 17:54

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-200513

Tgt Ion: 88 Resp: 40
 Ion Ratio Lower Upper
 88 100
 43 207.5 25.3 37.9#
 58 0.0 55.9 83.9#

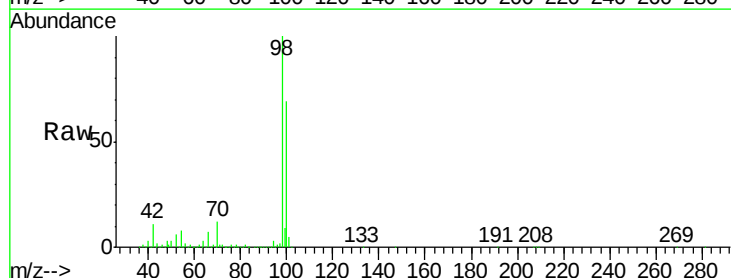


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

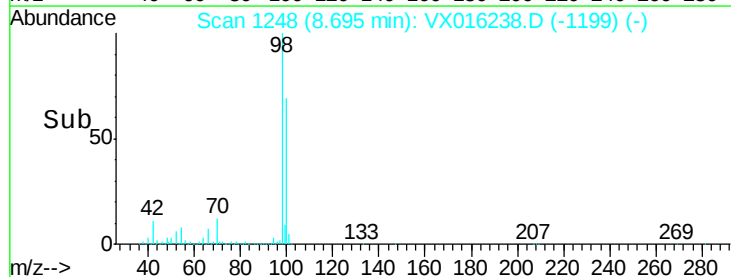
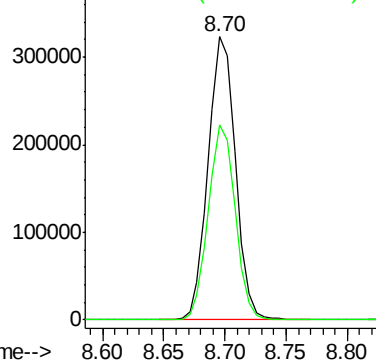


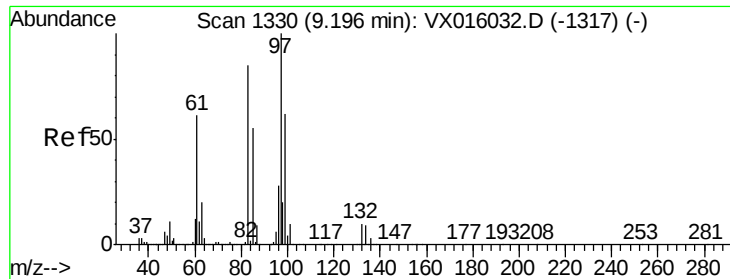
#50
 Toluene-d8
 Concen: 50.59 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX016238.D
 Acq: 14 May 2020 17:54

Tgt Ion: 98 Resp: 500971
 Ion Ratio Lower Upper
 98 100
 100 68.3 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0





#55

1,1,2-Trichloroethane

Concen: 0.22 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.12 min

Lab File: VX016238.D

Acq: 14 May 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-200513

Tgt Ion: 97 Resp: 642

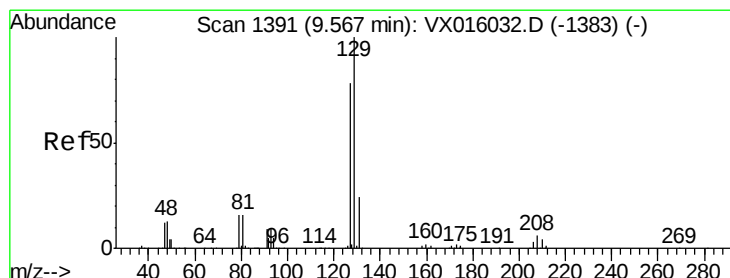
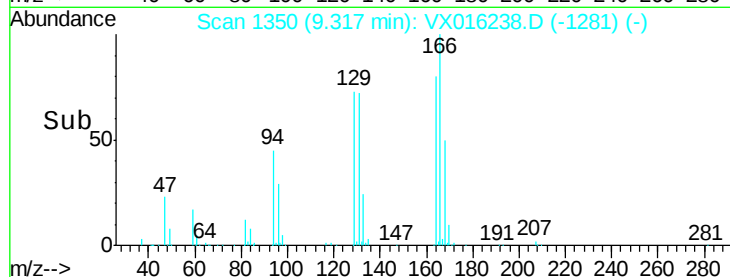
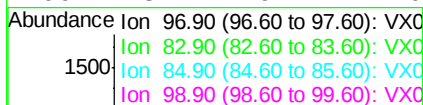
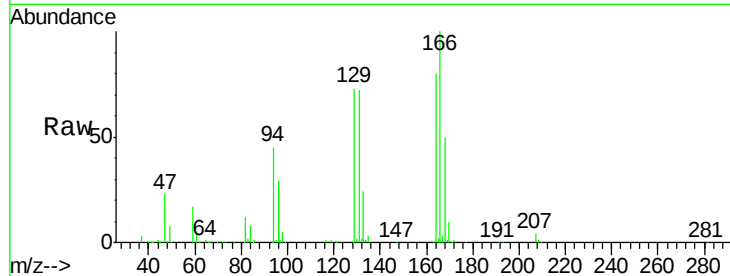
Ion Ratio Lower Upper

97 100

83 253.4 67.8 101.8#

85 45.1 43.8 65.8

99 13.2 49.4 74.0#



#60

Dibromochloromethane

Concen: 17.54 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016238.D

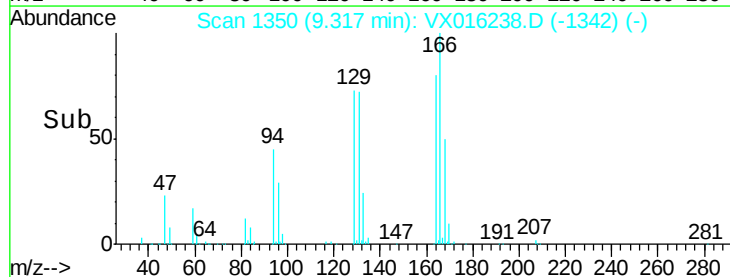
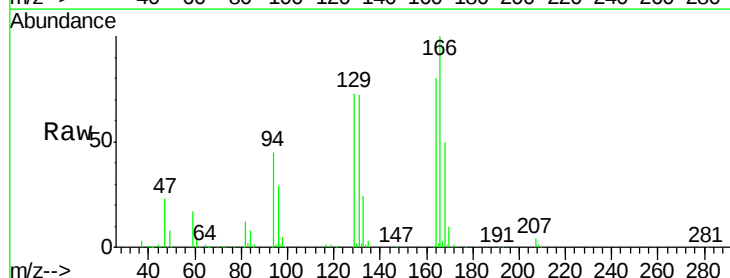
Acq: 14 May 2020 17:54

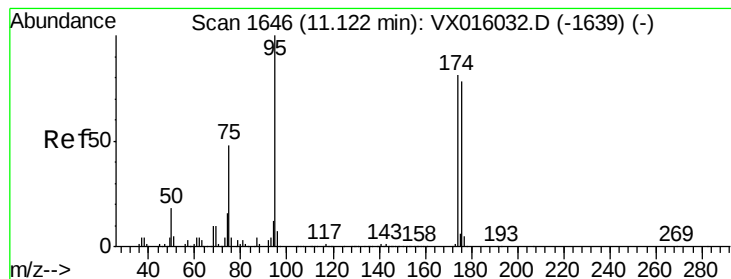
Tgt Ion: 129 Resp: 55335

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 52.70 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016238.D

Acq: 14 May 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-200513

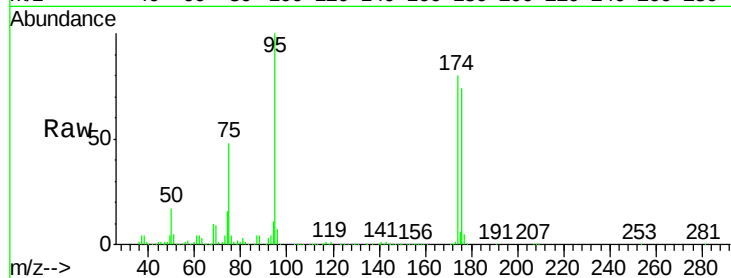
Tgt Ion: 95 Resp: 198469

Ion Ratio Lower Upper

95 100

174 82.5 0.0 159.4

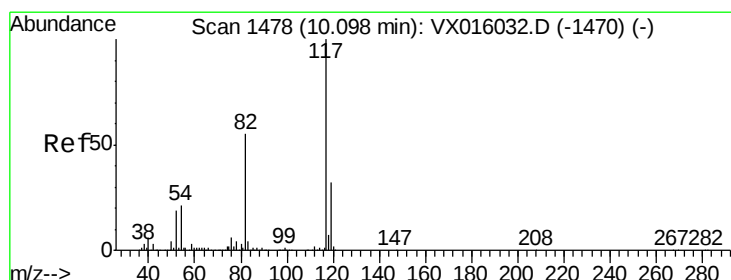
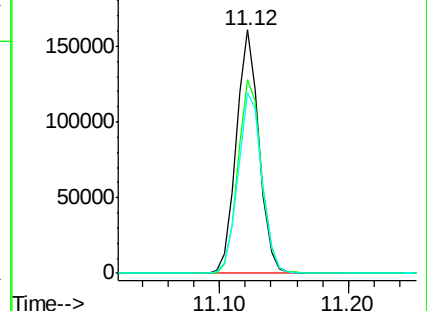
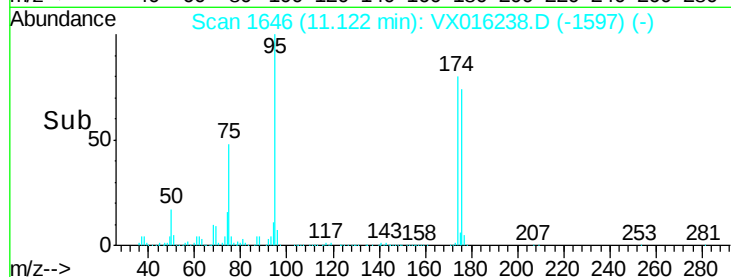
176 77.5 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016238.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016238.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016238.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016238.D

Acq: 14 May 2020 17:54

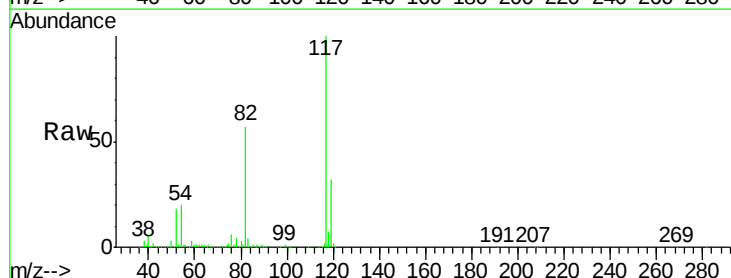
Tgt Ion: 117 Resp: 399446

Ion Ratio Lower Upper

117 100

82 56.5 44.4 66.6

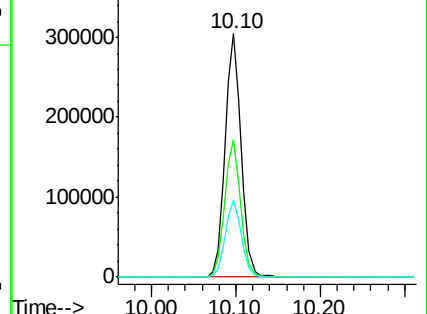
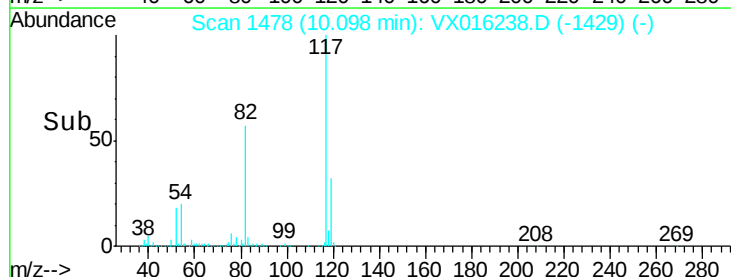
119 31.9 25.5 38.3

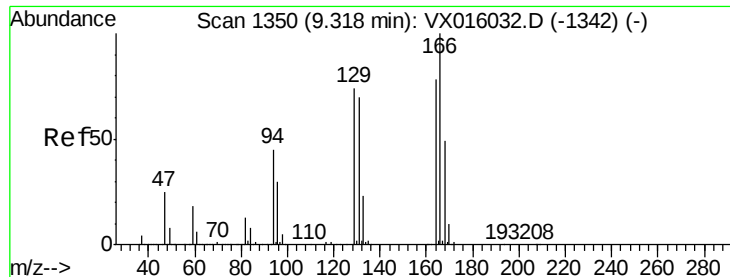


Abundance Ion 116.90 (116.60 to 117.60): VX016238.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016238.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016238.D (-1429) (-)





#64

Tetrachloroethene

Concen: 12.59 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016238.D

Acq: 14 May 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-200513

Tgt Ion:164 Resp: 61733

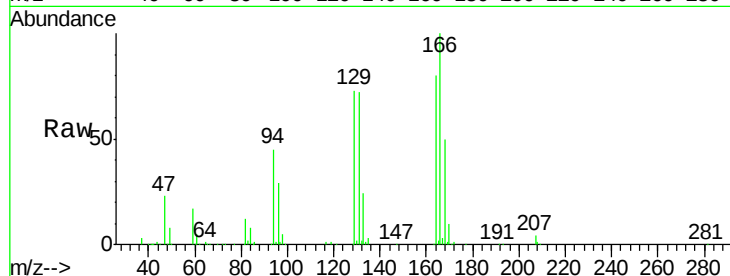
Ion Ratio Lower Upper

164 100

166 125.0 102.9 154.3

129 91.3 76.1 114.1

131 90.5 71.9 107.9

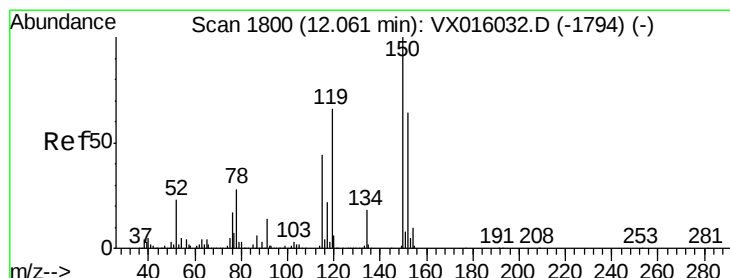
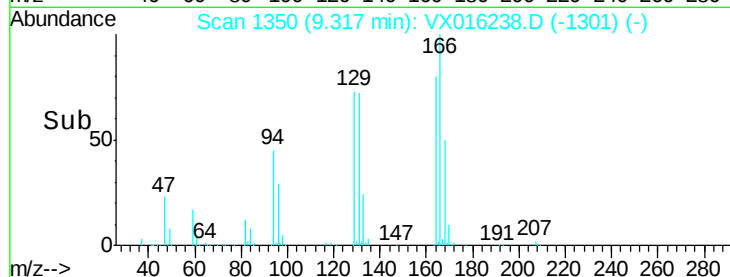
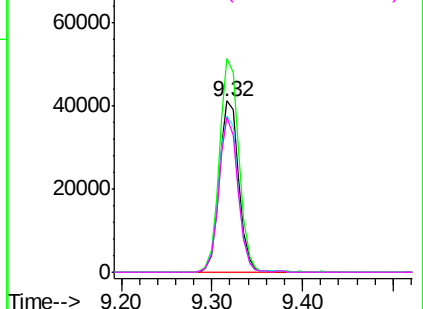


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016238.D

Acq: 14 May 2020 17:54

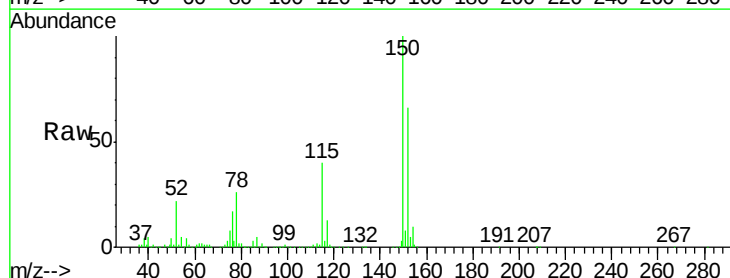
Tgt Ion:152 Resp: 204188

Ion Ratio Lower Upper

152 100

115 58.9 41.3 124.1

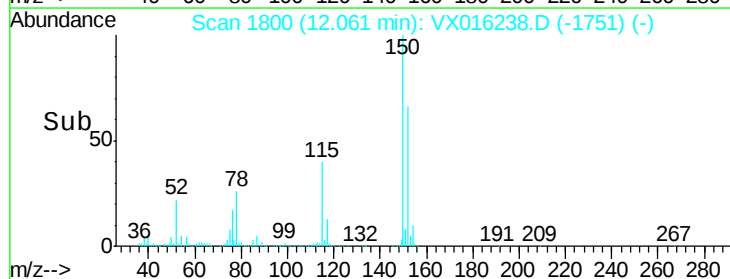
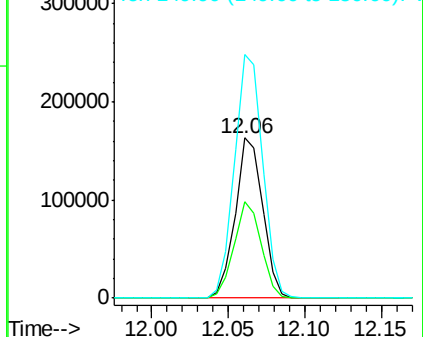
150 155.7 0.0 352.2

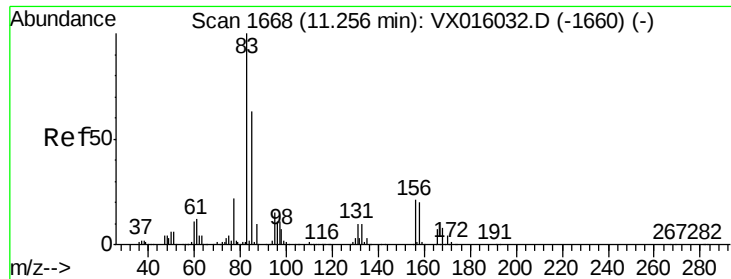


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: 2.09 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016238.D

Acq: 14 May 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-200513

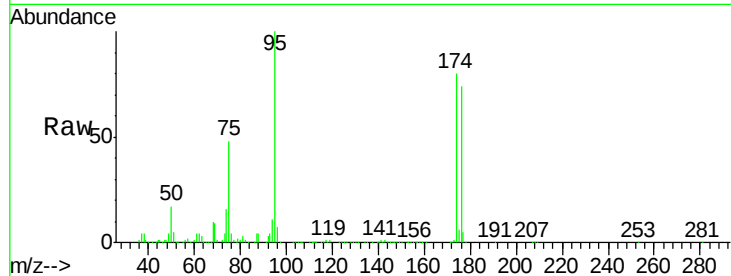
Tgt Ion: 83 Resp: 123

Ion Ratio Lower Upper

83 100

131 250.4 5.1 15.4#

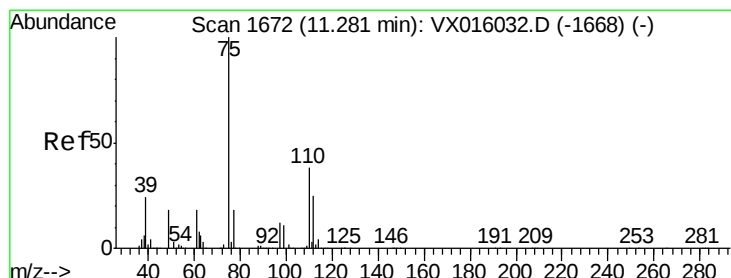
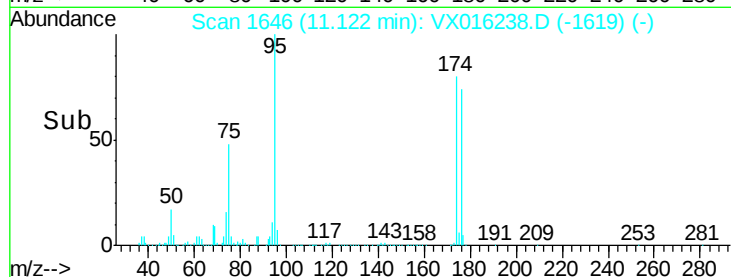
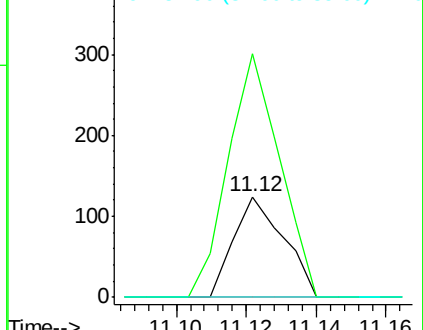
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.20 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016238.D

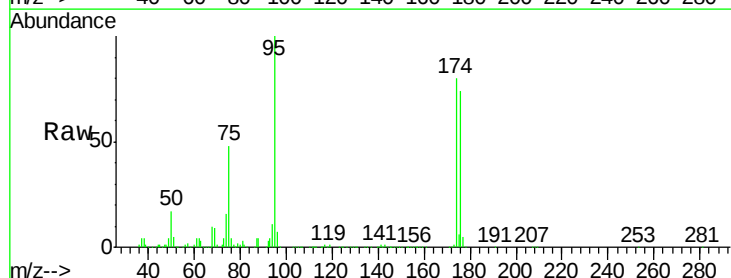
Acq: 14 May 2020 17:54

Tgt Ion: 75 Resp: 98212

Ion Ratio Lower Upper

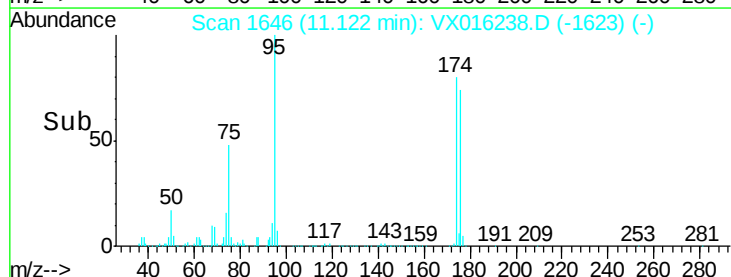
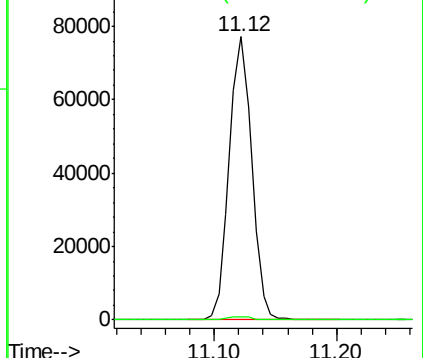
75 100

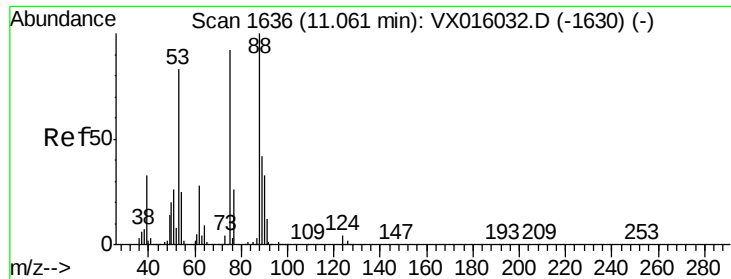
77 1.3 21.2 63.6#



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: 50.51 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016238.D

Acq: 14 May 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-200513

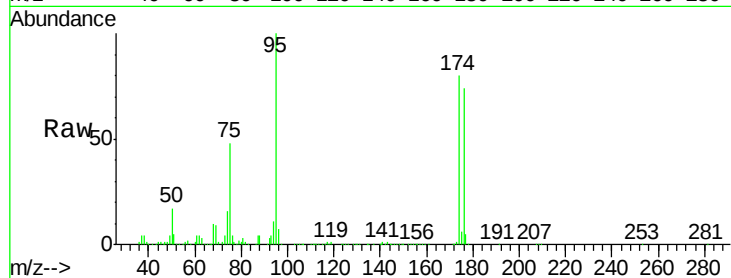
Tgt Ion: 75 Resp: 98212

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

