

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016985.D
 Acq On : 26 Jun 2020 15:52
 Operator : JC/SP
 Sample : L3117-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 04:24:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:34:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	221674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	406464	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	408317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211822	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	182715	54.58	ug/l	0.00
Spiked Amount			Recovery	=	109.16%	
35) Dibromofluoromethane	5.47	113	135358	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	8.70	98	508370	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.12	95	217834	57.25	ug/l	0.00
Spiked Amount			Recovery	=	114.50%	

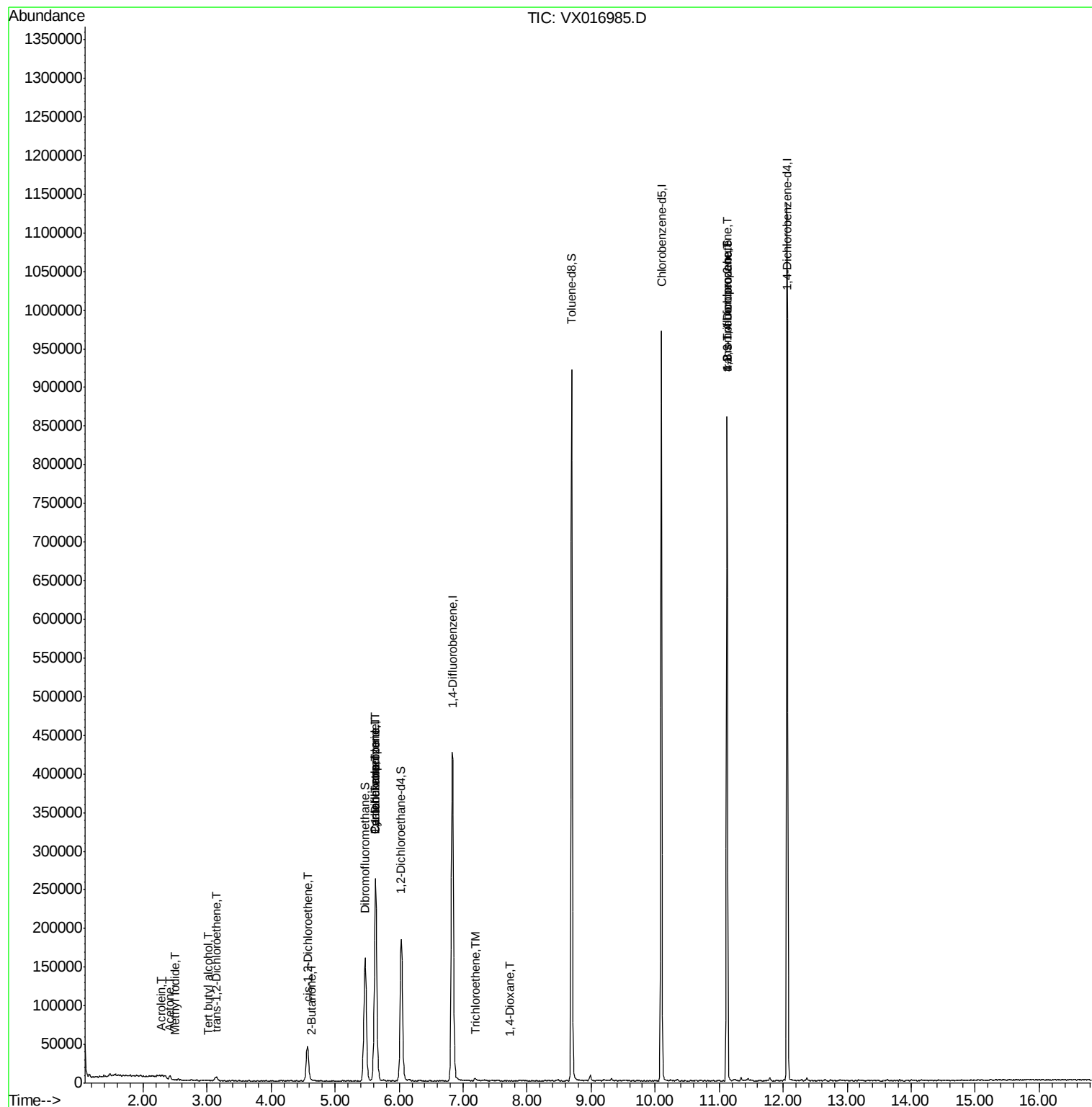
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	499	Below Cal	#	65
10) Methyl Iodide	2.50	142	330	2.886	ug/l #	79
11) Tert butyl alcohol	3.01	59	957	1.514	ug/l #	87
13) Acrolein	2.28	56	348	0.743	ug/l #	51
16) Acetone	2.42	43	4907	3.750	ug/l	94
21) trans-1,2-Dichloroethene	3.14	96	1838	0.662	ug/l	88
25) 2-Butanone	4.64	43	668	0.335	ug/l #	50
27) cis-1,2-Dichloroethene	4.56	96	28258	9.211	ug/l	86
31) Cyclohexane	5.62	56	6379	1.518	ug/l #	41
36) 1,1-Dichloropropene	5.63	75	19595	4.869	ug/l #	52
38) Carbon Tetrachloride	5.63	117	24800	5.822	ug/l #	16
44) Trichloroethene	7.19	130	839	0.272	ug/l	78
49) 1,4-Dioxane	7.72	88	56	0.792	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	116843	26.285	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	116843	66.733	ug/l #	9

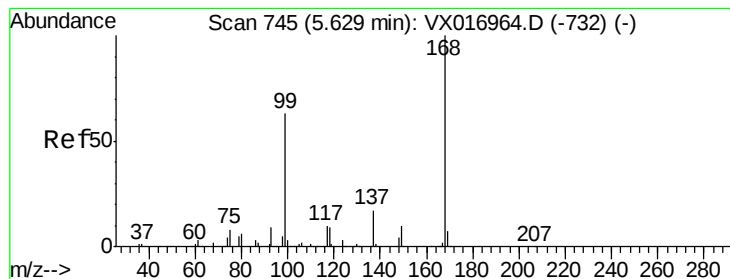
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062620\
Data File : VX016985.D
Acq On : 26 Jun 2020 15:52
Operator : JC/SP
Sample : L3117-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 27 04:24:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 26 08:34:16 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016985.D

Acq: 26 Jun 2020 15:52

Instrument :

MSVOA_X

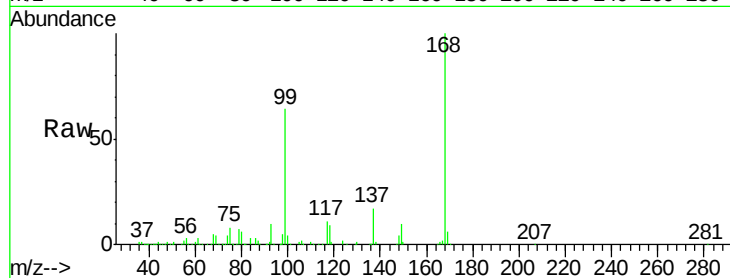
ClientSampleId :

Tot Ion:168 Resp: 221674

Ion Ratio Lower Upper

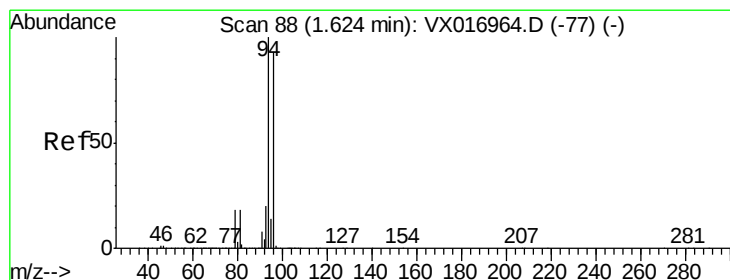
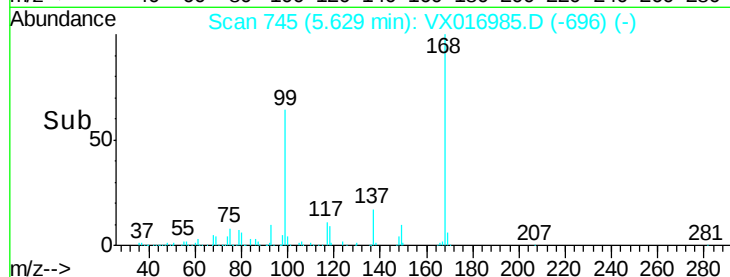
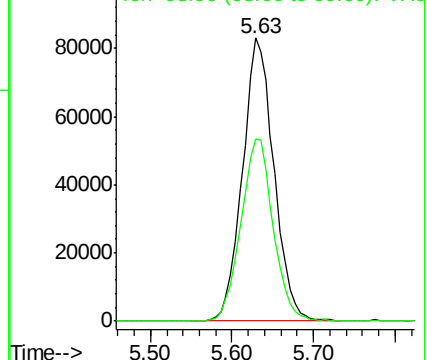
168 100

99 64.5 50.2 75.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016985.D

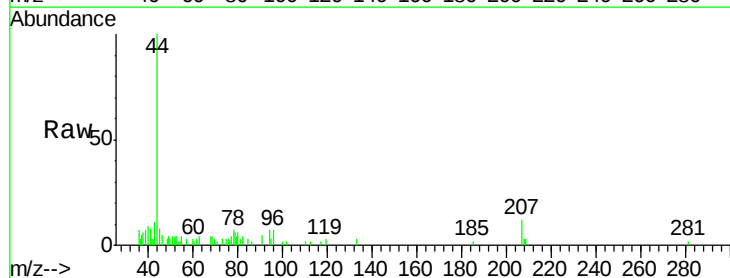
Acq: 26 Jun 2020 15:52

Tgt Ion: 94 Resp: 499

Ion Ratio Lower Upper

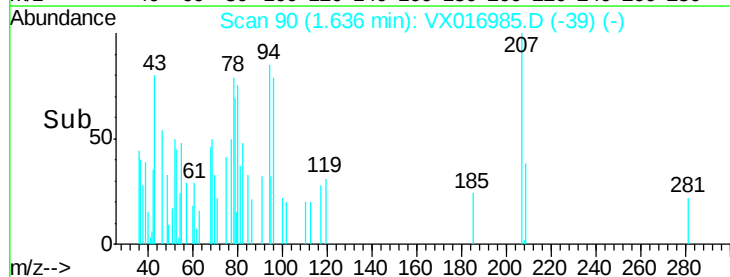
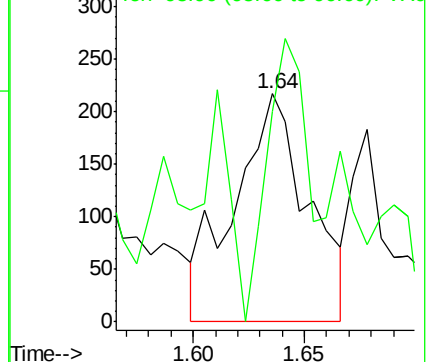
94 100

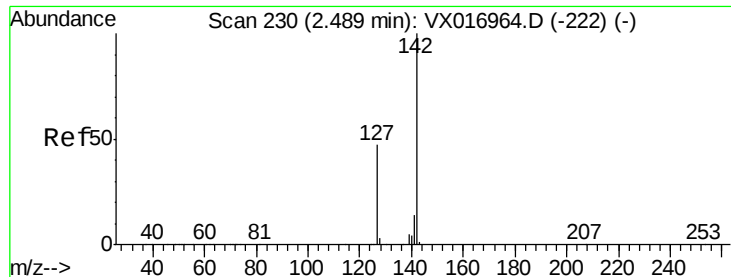
96 58.7 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

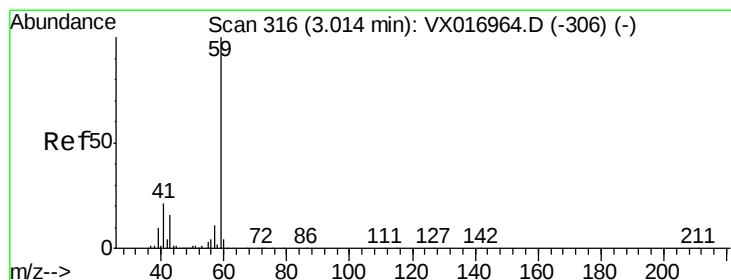
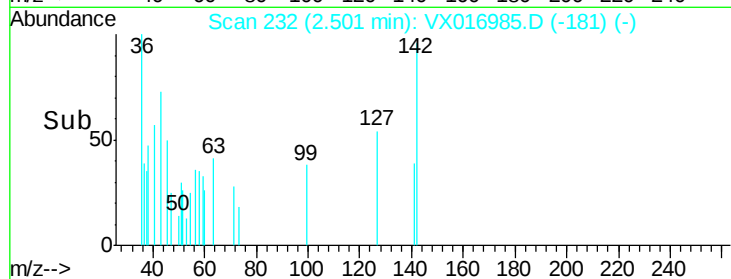
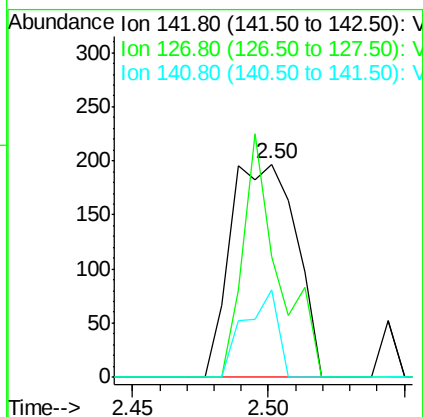
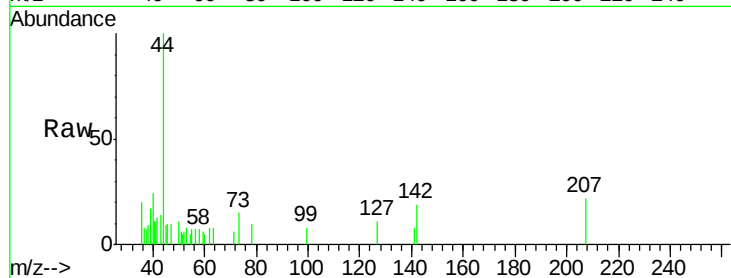




#10
Methvl Iodide
Concen: 2.886 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX016985.D
Acq: 26 Jun 2020 15:52

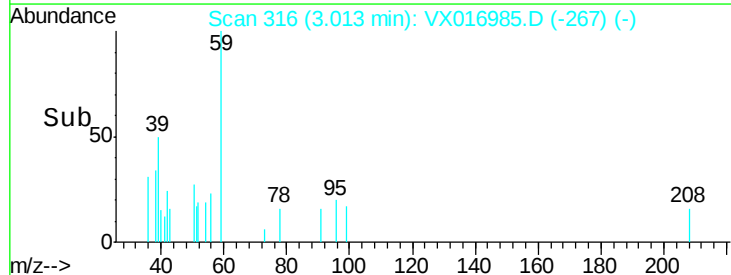
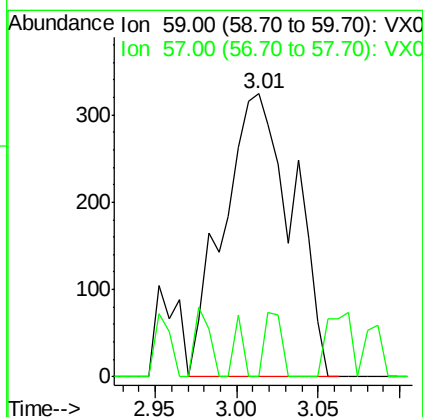
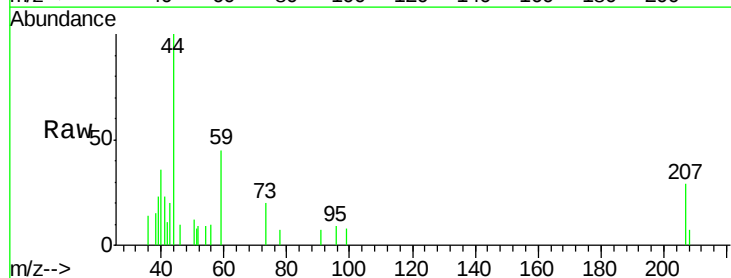
Instrument :
MSVOA_X
ClientSampled :

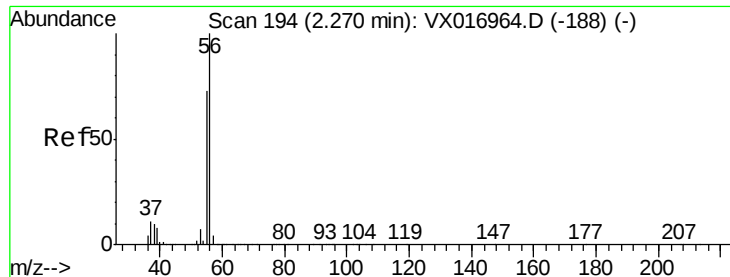
Tot Ion:142 Resp: 330
Ion Ratio Lower Upper
142 100
127 61.8 37.4 56.0#
141 20.6 11.7 17.5#



#11
Tert butyl alcohol
Concen: 1.514 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX016985.D
Acq: 26 Jun 2020 15:52

Tgt Ion: 59 Resp: 957
Ion Ratio Lower Upper
59 100
57 5.5 8.5 12.7#

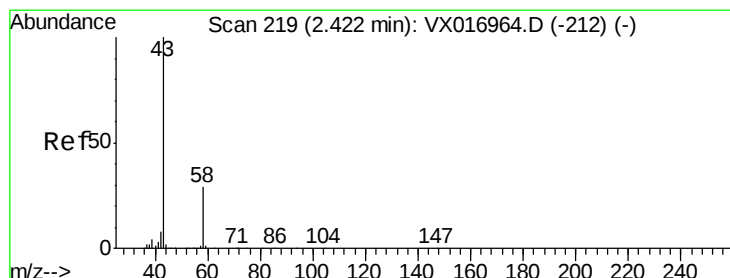
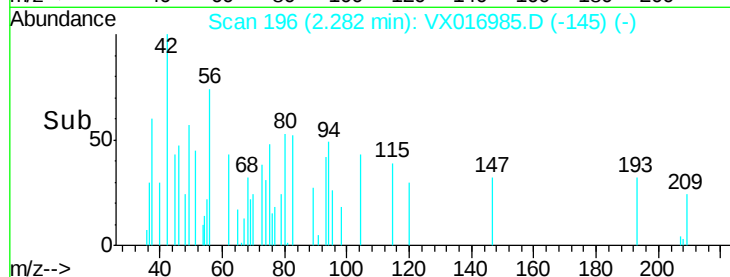
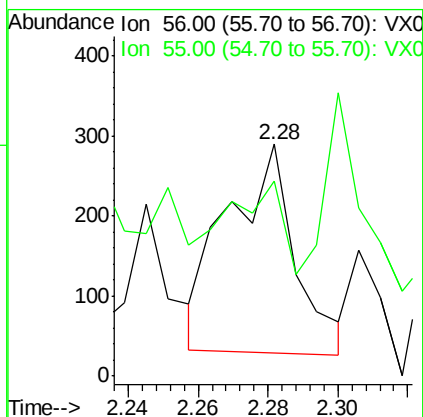
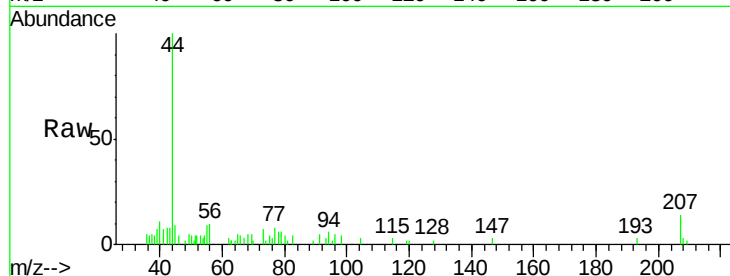




#13
Acrolein
Concen: 0.743 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX016985.D
Acq: 26 Jun 2020 15:52

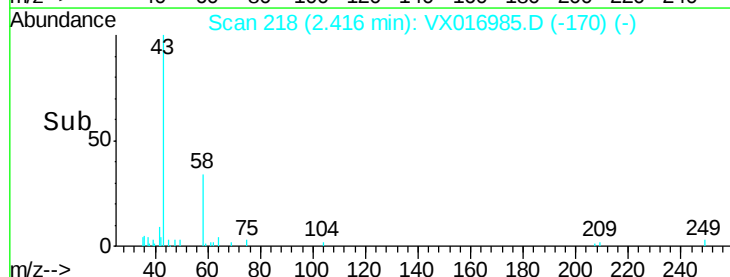
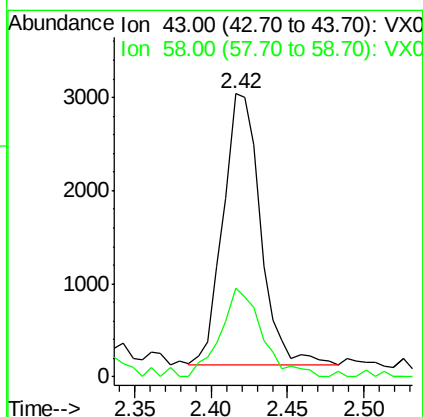
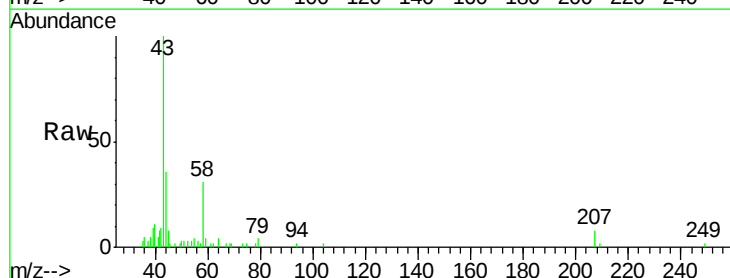
Instrument :
MSVOA_X
ClientSampleId :

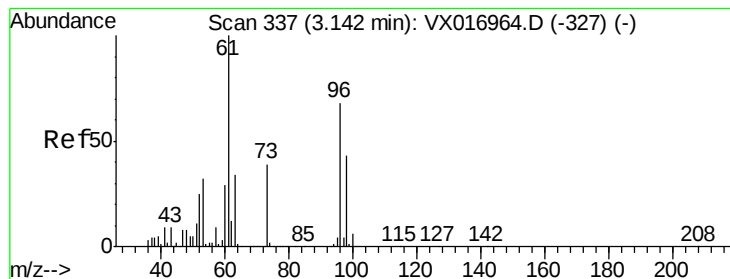
Tot Ion: 56 Resp: 348
Ion Ratio Lower Upper
56 100
55 31.3 57.5 86.3#



#16
Acetone
Concen: 3.750 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016985.D
Acq: 26 Jun 2020 15:52

Tgt Ion: 43 Resp: 4907
Ion Ratio Lower Upper
43 100
58 32.6 23.5 35.3





#21

trans-1,2-Dichloroethene

Concen: 0.662 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016985.D

Acq: 26 Jun 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

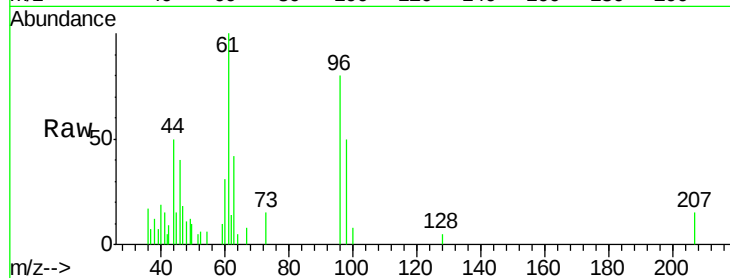
Tot Ion: 96 Resp: 1838

Ion Ratio Lower Upper

96 100

61 124.4 116.7 175.1

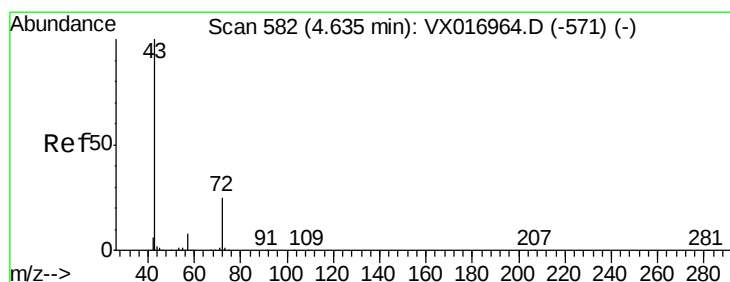
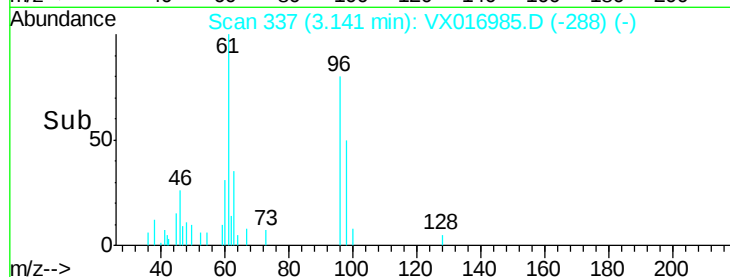
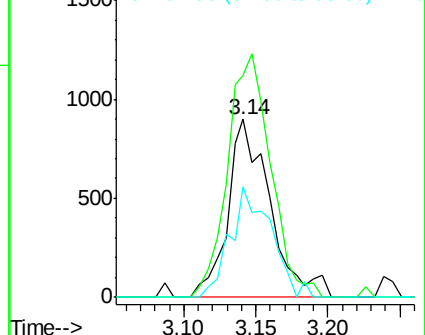
98 62.2 50.7 76.1



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



#25

2-Butanone

Concen: 0.335 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016985.D

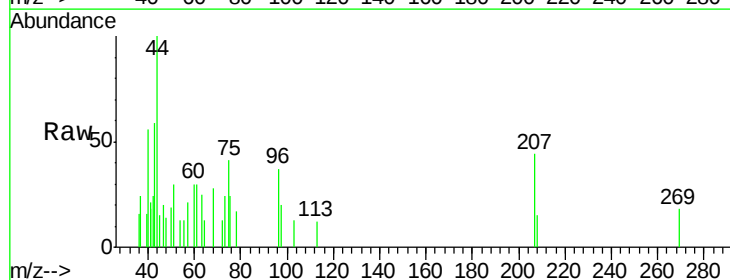
Acq: 26 Jun 2020 15:52

Tgt Ion: 43 Resp: 668

Ion Ratio Lower Upper

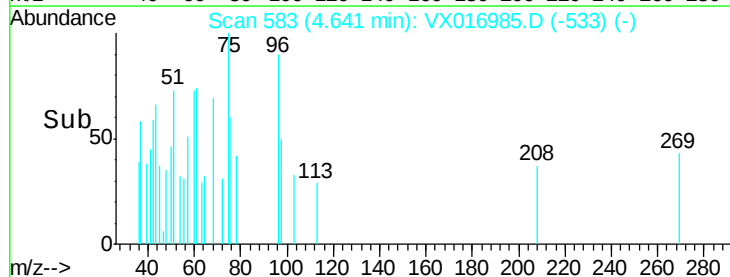
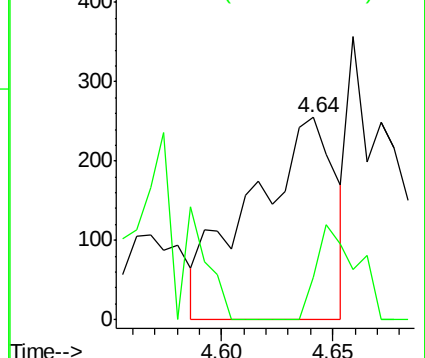
43 100

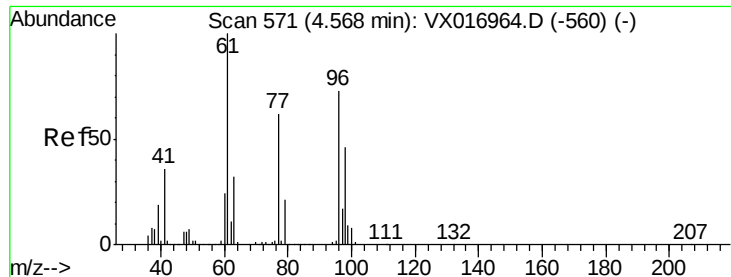
72 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 9.211 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX016985.D

Acq: 26 Jun 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

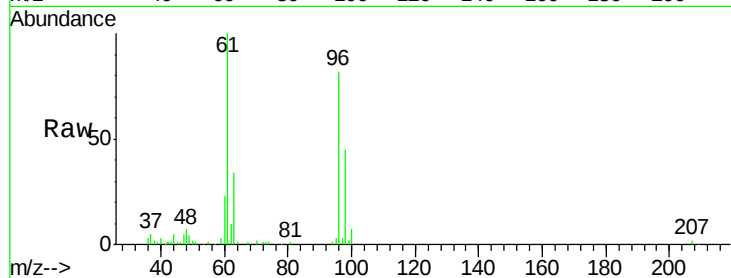
Tot Ion: 96 Resp: 28258

Ion Ratio Lower Upper

96 100

61 129.1 0.0 307.2

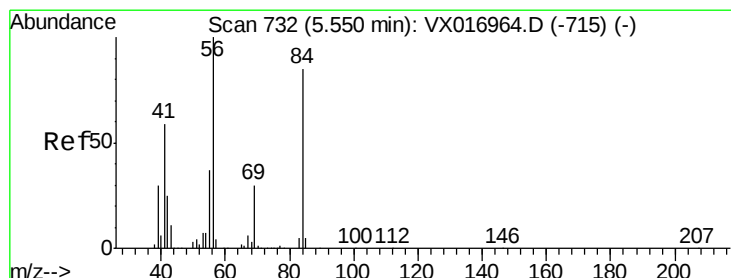
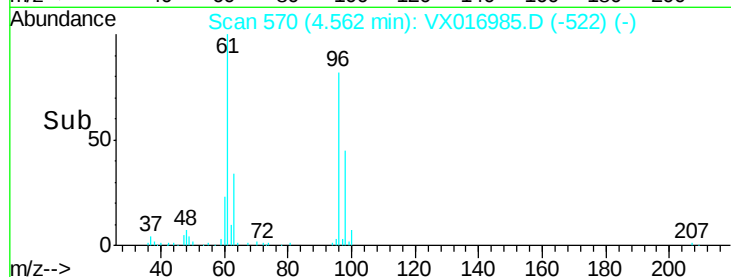
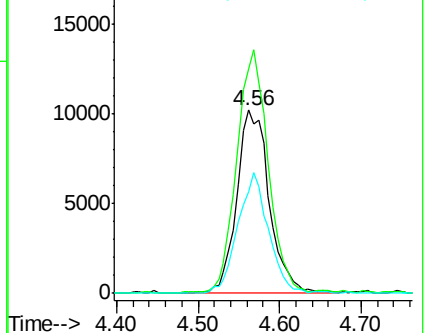
98 61.8 0.0 128.4



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: 1.518 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX016985.D

Acq: 26 Jun 2020 15:52

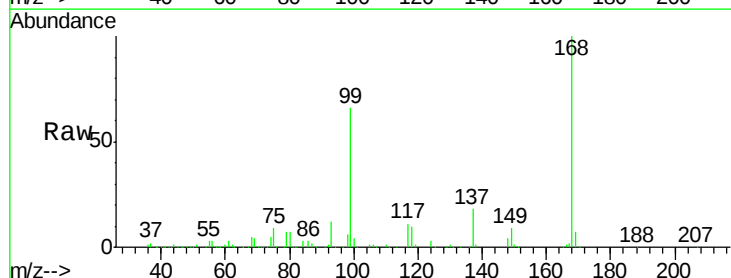
Tgt Ion: 56 Resp: 6379

Ion Ratio Lower Upper

56 100

69 129.7 23.6 35.4#

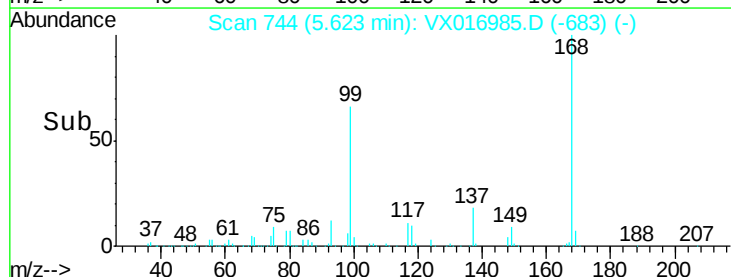
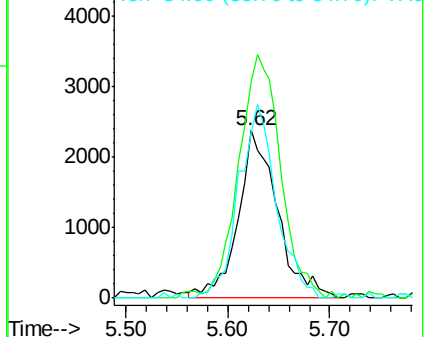
84 98.7 67.8 101.8

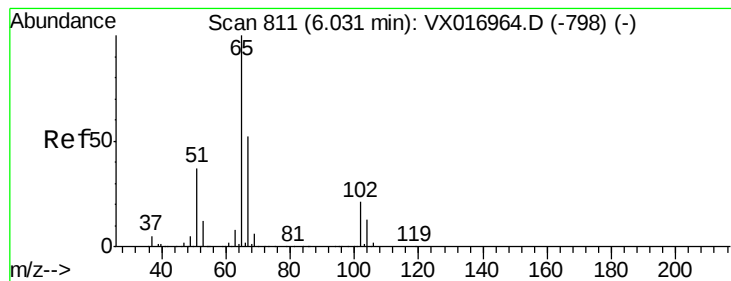


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.582 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016985.D

Acq: 26 Jun 2020 15:52

Instrument :

MSVOA_X

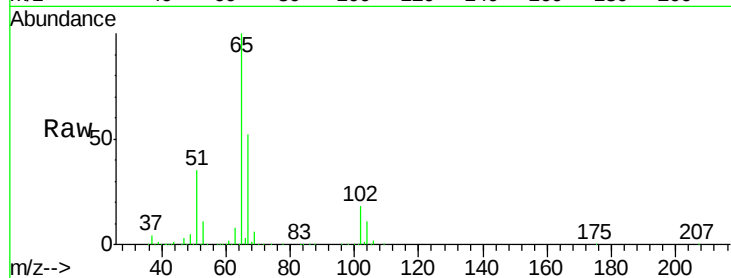
ClientSampleId :

Tot Ion: 65 Resp: 182715

Ion Ratio Lower Upper

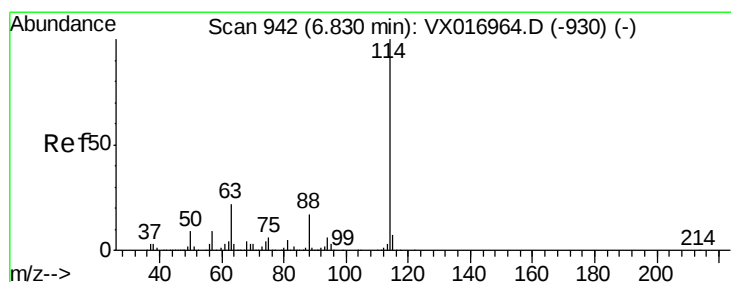
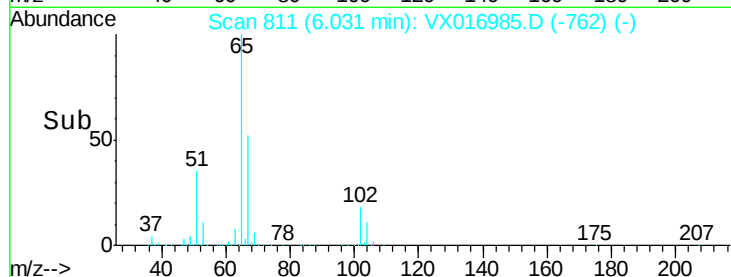
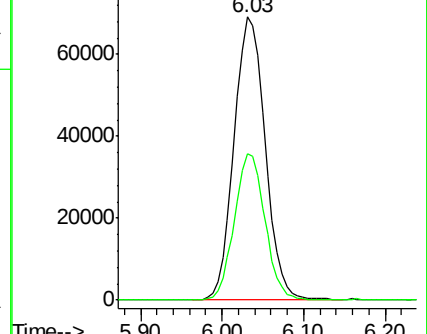
65 100

67 50.7 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016985.D

Acq: 26 Jun 2020 15:52

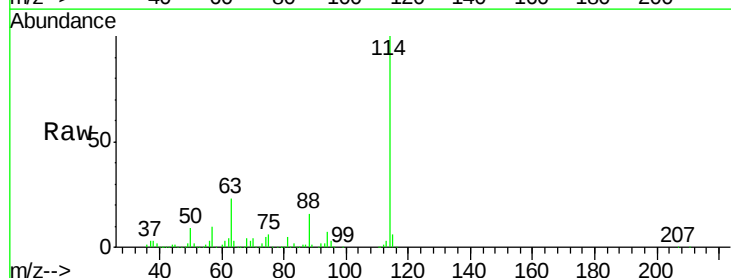
Tgt Ion: 114 Resp: 406464

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.4

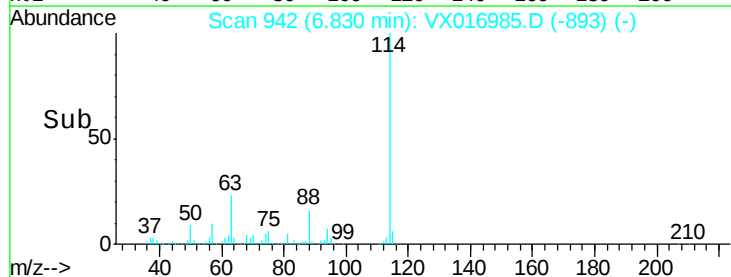
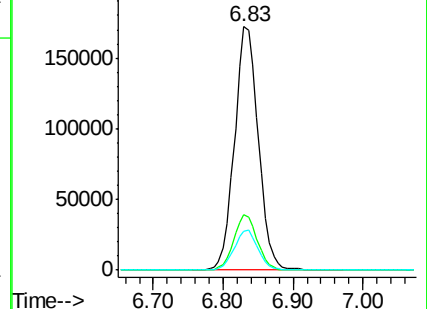
88 16.1 0.0 33.2

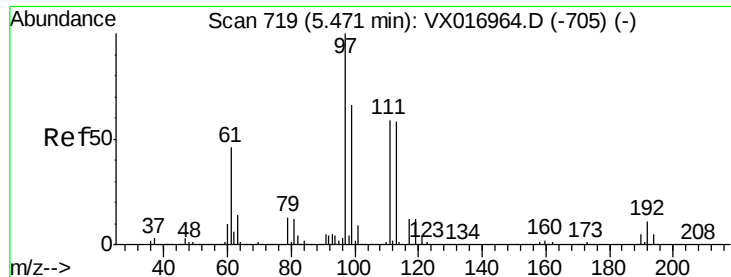


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.420 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016985.D

Acq: 26 Jun 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

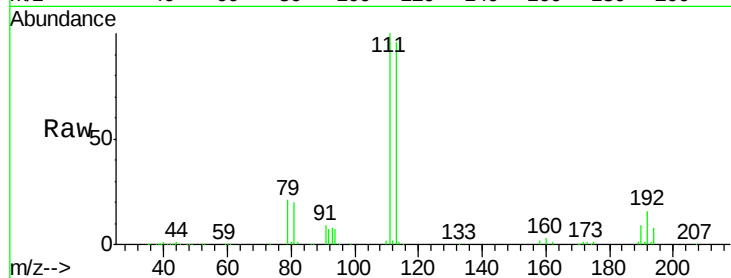
Tot Ion:113 Resp: 135358

Ion Ratio Lower Upper

113 100

111 103.5 84.3 126.5

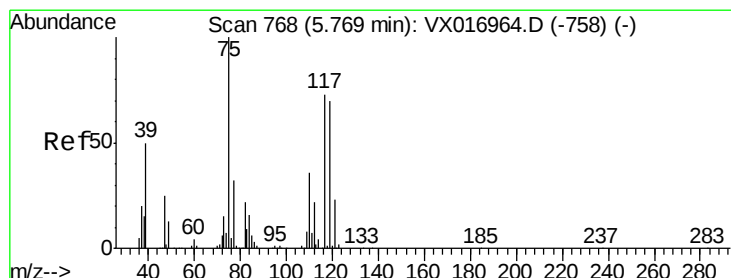
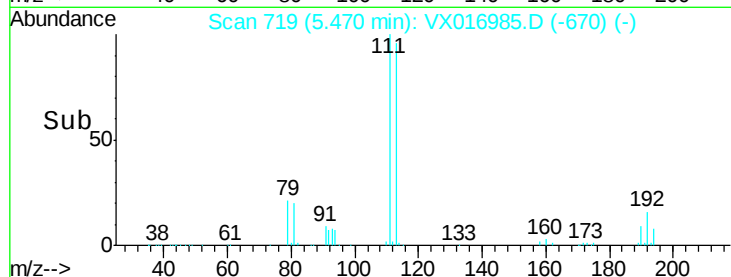
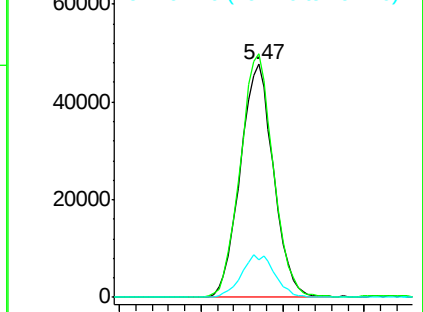
192 18.3 15.2 22.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.869 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016985.D

Acq: 26 Jun 2020 15:52

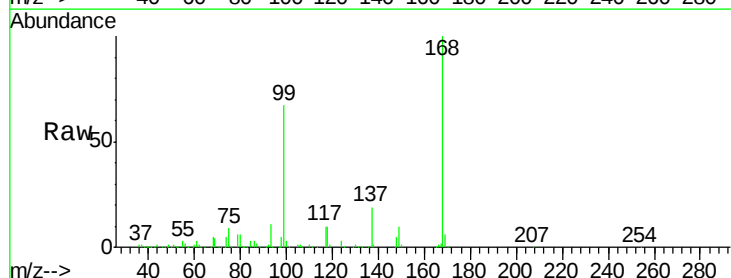
Tgt Ion: 75 Resp: 19595

Ion Ratio Lower Upper

75 100

110 10.6 17.2 51.6#

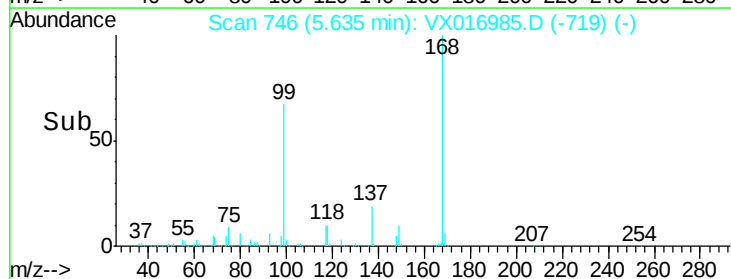
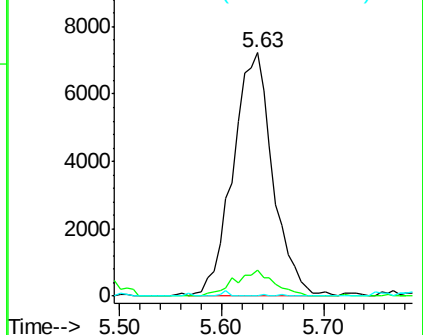
77 0.1 24.7 37.1#

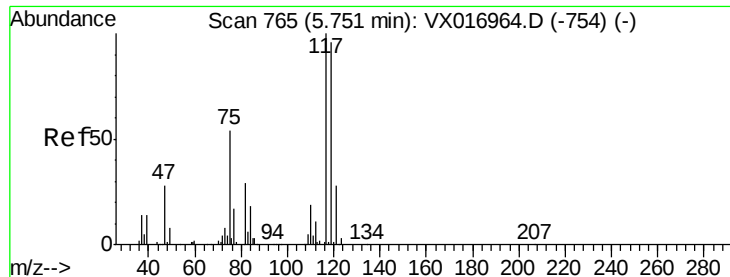


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

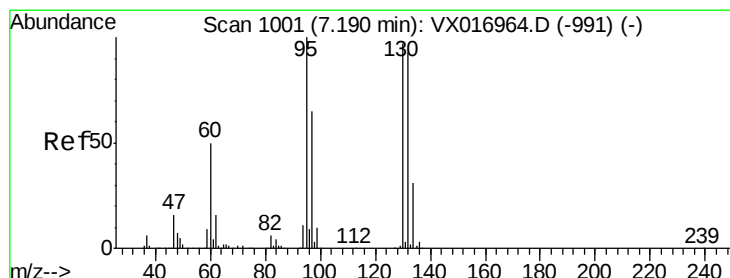
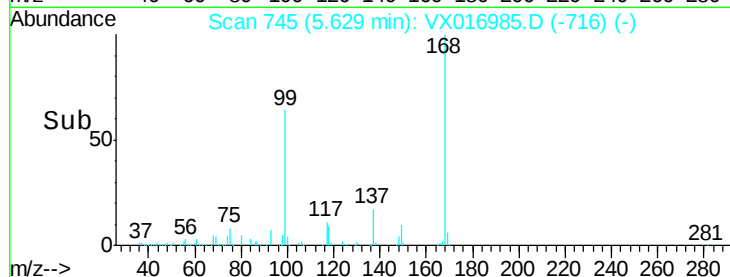
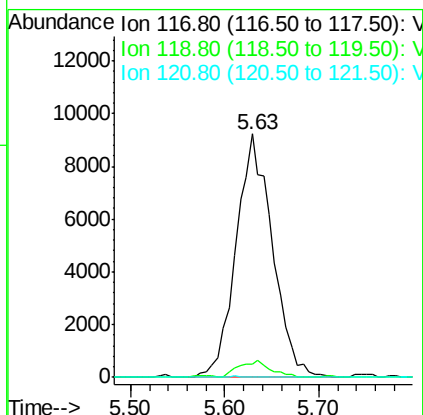
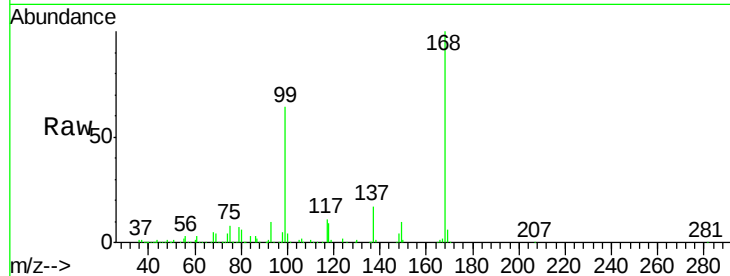




#38
Carbon Tetrachloride
Concen: 5.822 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX016985.D
Acq: 26 Jun 2020 15:52

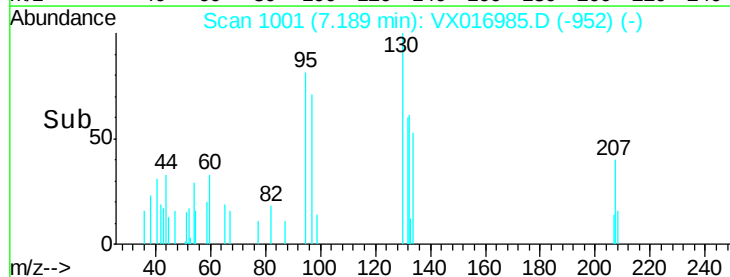
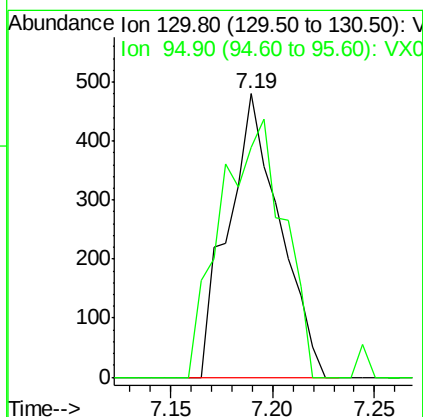
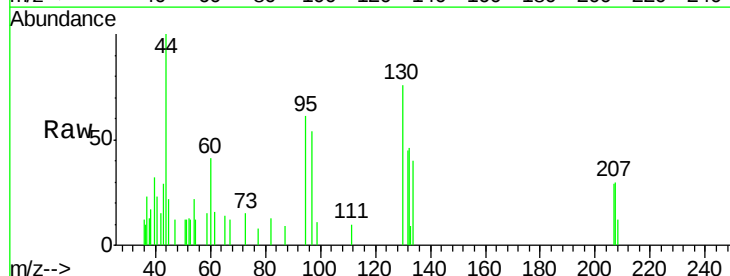
Instrument :
MSVOA_X
ClientSampleId :

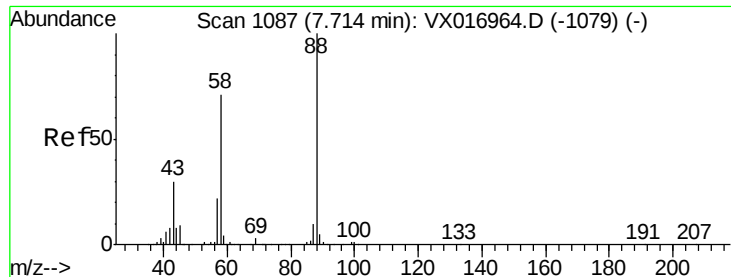
Tot Ion:117 Resp: 24800
Ion Ratio Lower Upper
117 100
119 5.4 76.6 114.8#
121 0.0 22.5 33.7#



#44
Trichloroethene
Concen: 0.272 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016985.D
Acq: 26 Jun 2020 15:52

Tgt Ion:130 Resp: 839
Ion Ratio Lower Upper
130 100
95 81.0 0.0 206.6

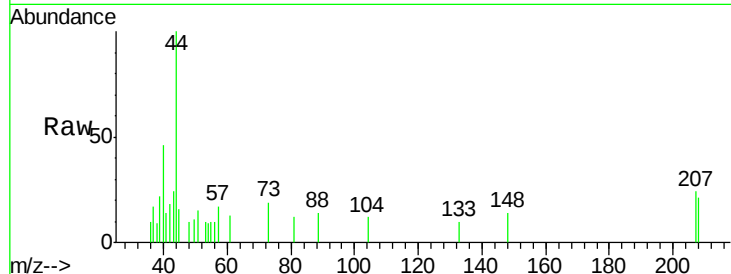




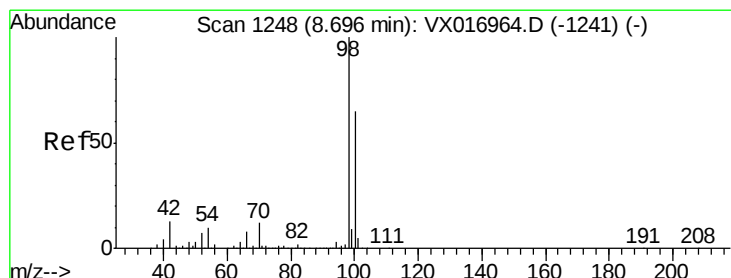
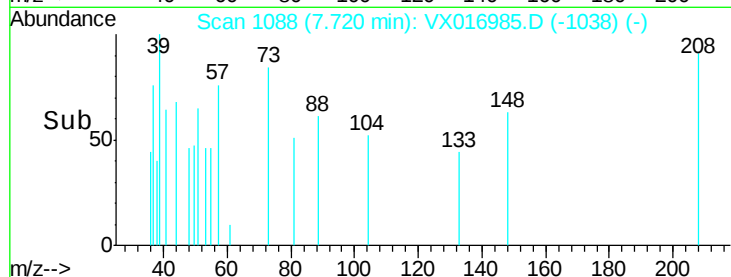
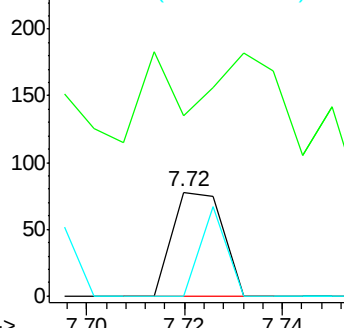
#49
1,4-Dioxane
Concen: 0.792 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX016985.D
Acq: 26 Jun 2020 15:52

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 223.2 28.1 42.1#
58 44.6 56.1 84.1#

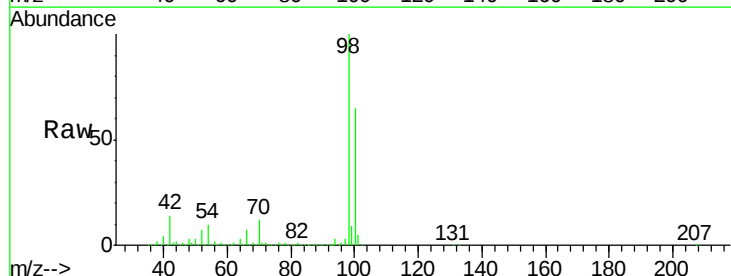


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

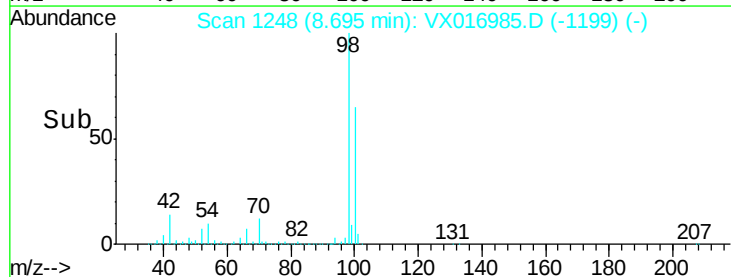
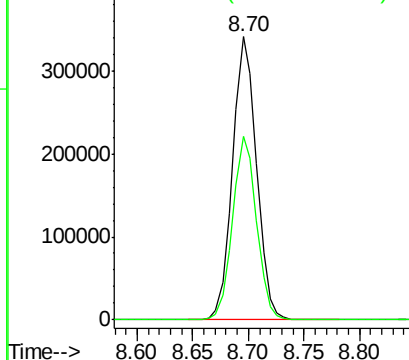


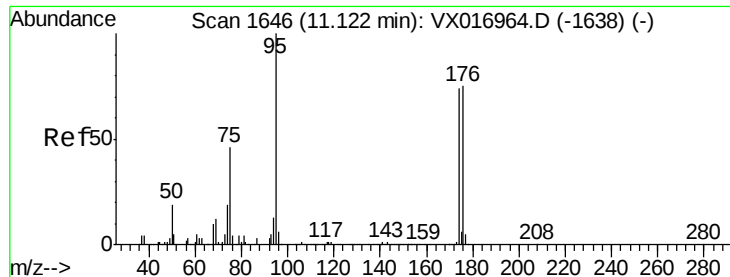
#50
Toluene-d8
Concen: 51.660 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016985.D
Acq: 26 Jun 2020 15:52

Tgt Ion: 98 Resp: 508370
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



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





#62

4-Bromofluorobenzene

Concen: 57.245 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016985.D

Acq: 26 Jun 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

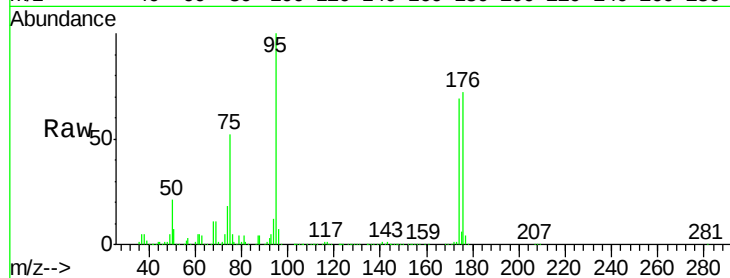
Tot Ion: 95 Resp: 217834

Ion Ratio Lower Upper

95 100

174 72.3 0.0 149.6

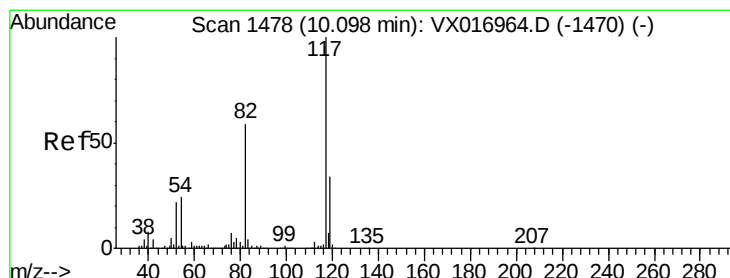
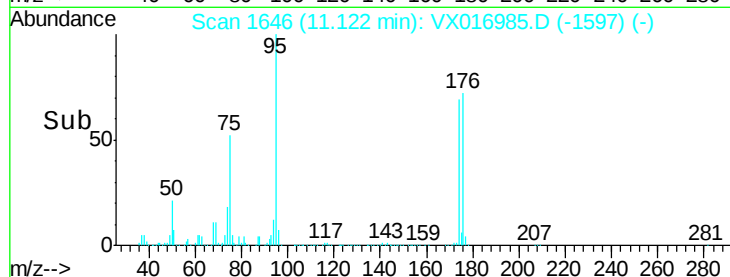
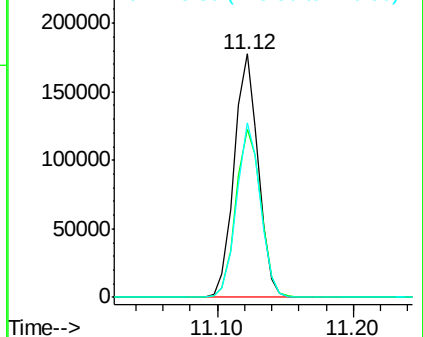
176 70.7 0.0 148.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016985.D

Acq: 26 Jun 2020 15:52

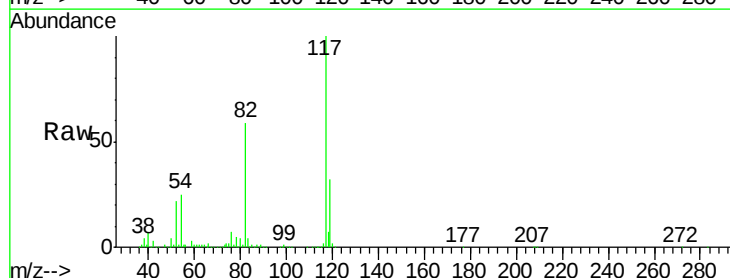
Tgt Ion: 117 Resp: 408317

Ion Ratio Lower Upper

117 100

82 58.7 46.8 70.2

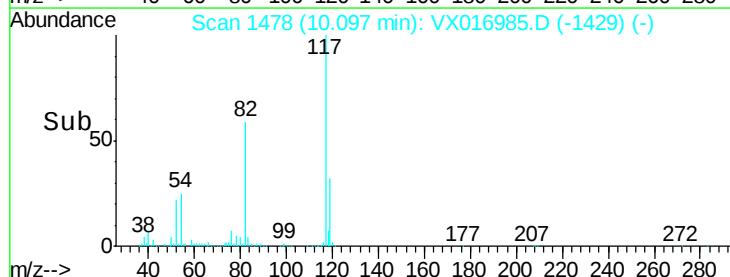
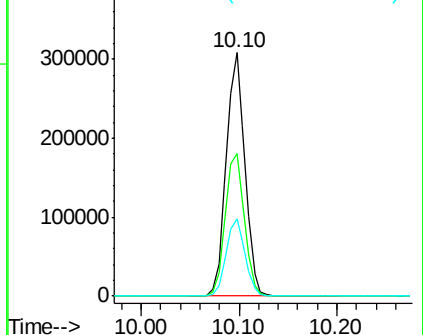
119 31.9 27.3 40.9

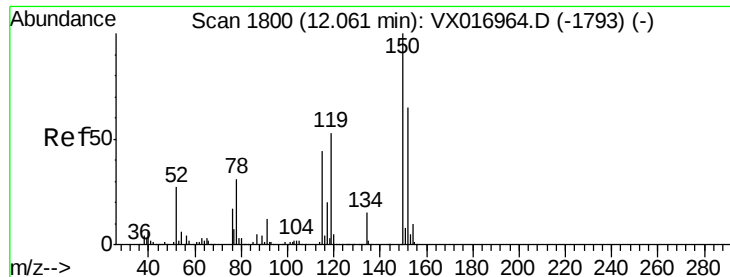


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016985.D

Acq: 26 Jun 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

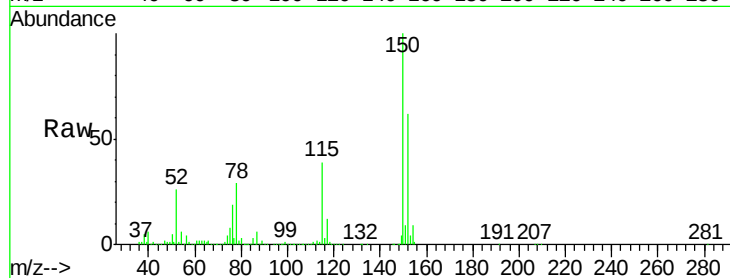
Tot Ion:152 Resp: 211822

Ion Ratio Lower Upper

152 100

115 61.7 42.8 128.4

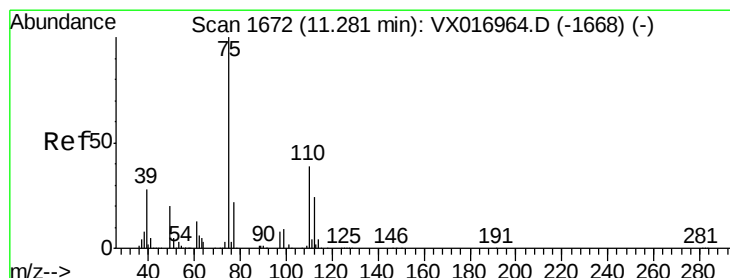
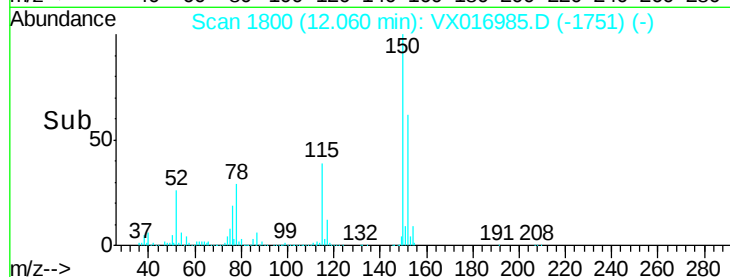
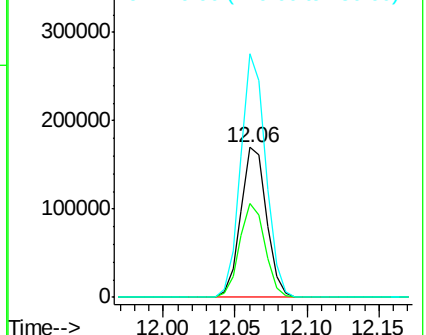
150 157.7 0.0 347.8



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: 26.285 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016985.D

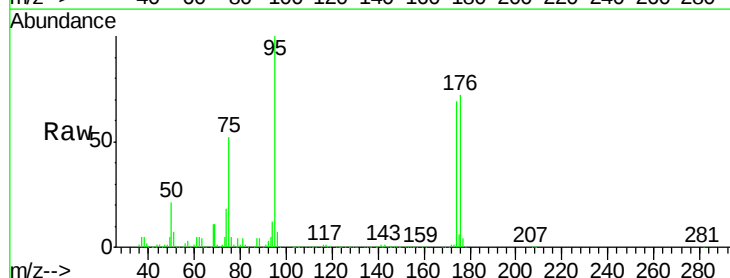
Acq: 26 Jun 2020 15:52

Tgt Ion: 75 Resp: 116843

Ion Ratio Lower Upper

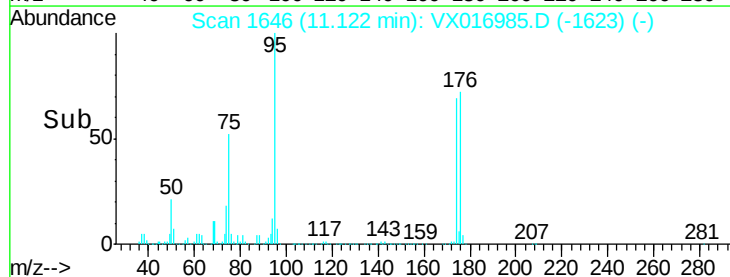
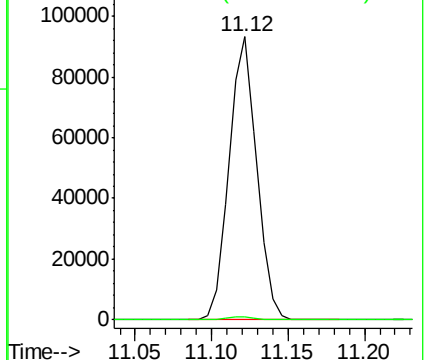
75 100

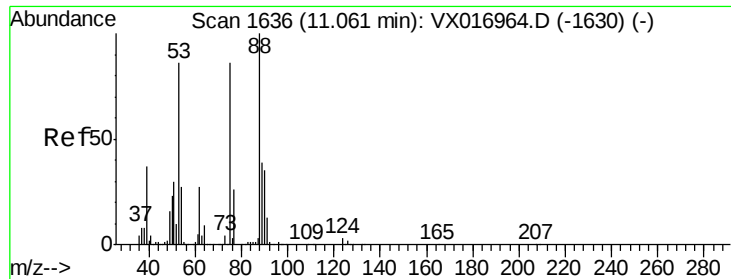
77 1.2 20.3 61.0#



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: 66.733 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016985.D

Acq: 26 Jun 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 116843

Ion Ratio Lower Upper

75 100

53 0.3 81.9 122.9#

89 0.0 35.5 53.3#

