

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012869.D
 Acq On : 08 Oct 2019 04:26
 Operator : JC/SP
 Sample : K5216-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

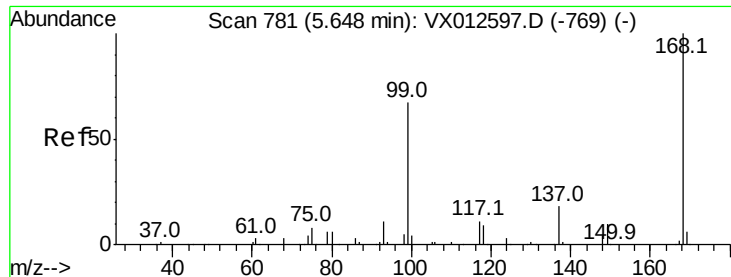
Quant Time: Oct 08 11:17:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	181068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	306111	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106299	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	120678	45.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.54%	
35) Dibromofluoromethane	5.48	113	91622	50.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.52%	
50) Toluene-d8	8.71	98	360843	51.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	11.14	95	125508	45.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1609	0.688	ug/l	100
4) Vinyl Chloride	1.40	62	852	0.366	ug/l #	86
5) Bromomethane	1.64	94	252	0.276	ug/l	83
6) Chloroethane	1.62	64	3514	2.242	ug/l #	68
10) Methyl Iodide	2.50	142	85	4.990	ug/l #	35
11) Tert butyl alcohol	3.01	59	2366	3.592	ug/l #	72
13) Acrolein	2.25	56	47	10.356	ug/l #	69
14) Allyl chloride	2.59	41	1844	0.477	ug/l #	60
16) Acetone	2.44	43	4089	2.928	ug/l	98
18) Methyl Acetate	2.60	43	5308	1.614	ug/l #	54
21) trans-1,2-Dichloroethene	3.15	96	680	0.315	ug/l #	68
27) cis-1,2-Dichloroethene	4.59	96	5217	2.085	ug/l	80
31) Cyclohexane	5.65	56	3934	1.072	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14779	5.009	ug/l #	51
38) Carbon Tetrachloride	5.65	117	19072	6.363	ug/l #	16
44) Trichloroethene	7.21	130	37844	17.052	ug/l	93
76) 1,2,3-Trichloropropane	11.14	75	63593	22.616	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	63593	64.812	ug/l #	8

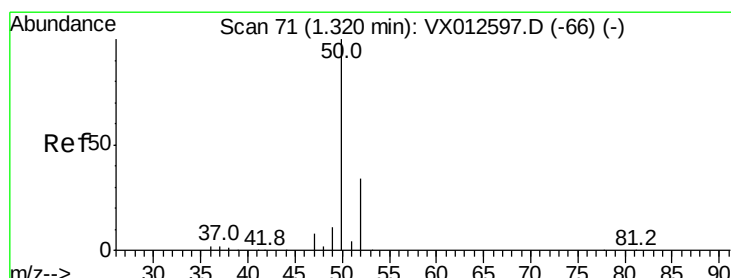
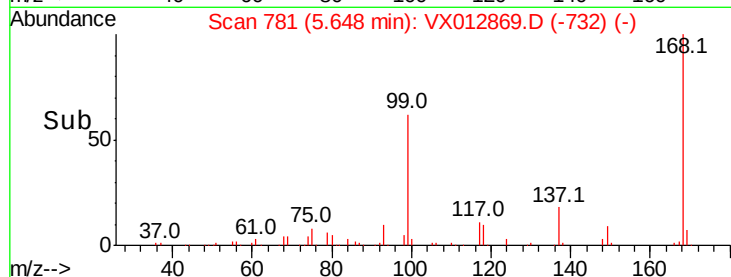
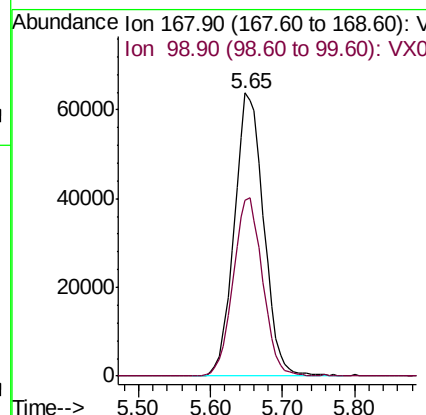
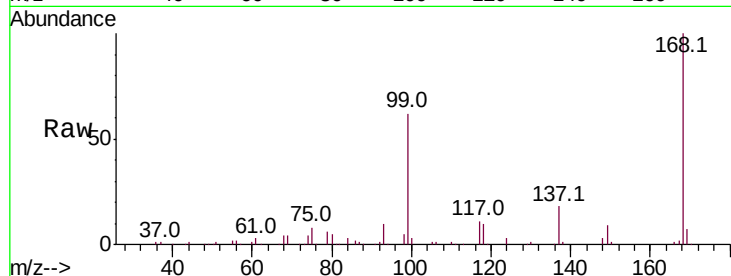
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX012869.D
Acq: 08 Oct 2019 04:26

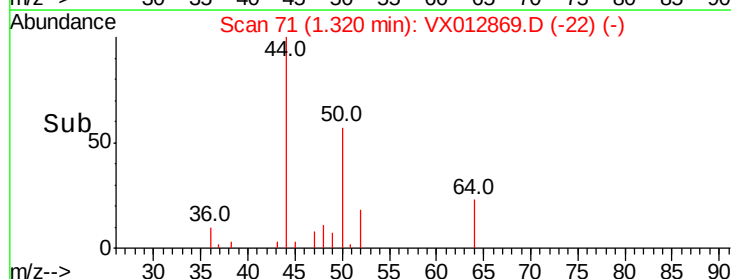
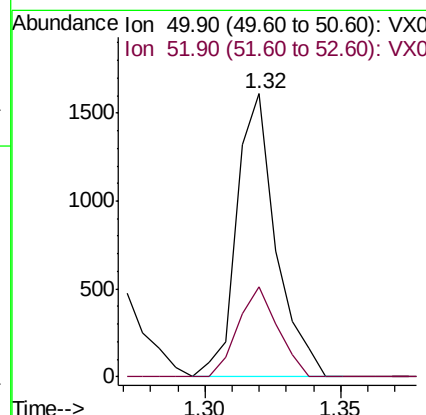
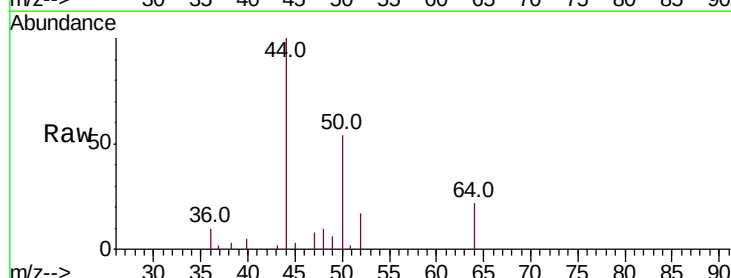
Instrument :
MSVOA_X
ClientSampled :

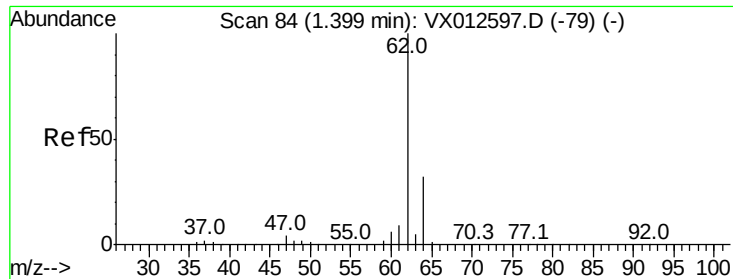
Tot Ion:168 Resp: 181068
Ion Ratio Lower Upper
168 100
99 62.3 51.4 77.2



#3
Chloromethane
Concen: 0.688 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX012869.D
Acq: 08 Oct 2019 04:26

Tgt Ion: 50 Resp: 1609
Ion Ratio Lower Upper
50 100
52 32.1 25.7 38.5





#4

Vinyl Chloride

Concen: 0.366 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012869.D

Acq: 08 Oct 2019 04:26

Instrument :

MSVOA_X

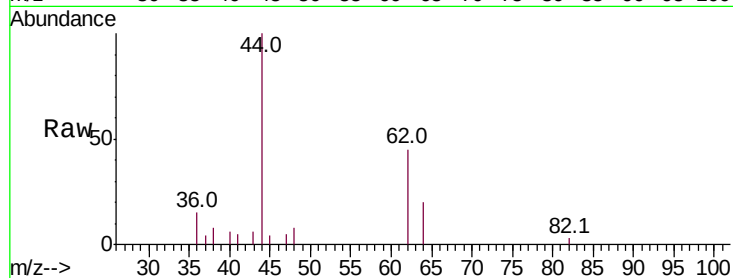
ClientSampled :

Tot Ion: 62 Resp: 852

Ion Ratio Lower Upper

62 100

64 22.7 24.2 36.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

800

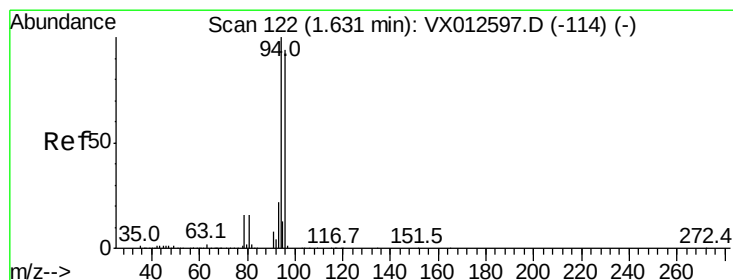
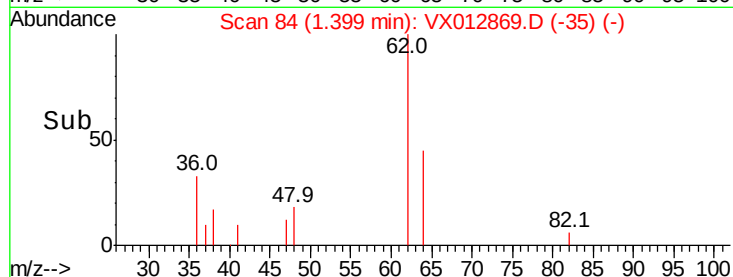
600

400

200

0

Time--> 1.35 1.40



#5

Bromomethane

Concen: 0.276 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012869.D

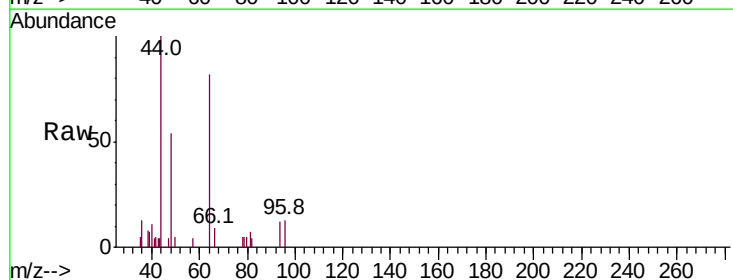
Acq: 08 Oct 2019 04:26

Tgt Ion: 94 Resp: 252

Ion Ratio Lower Upper

94 100

96 106.9 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

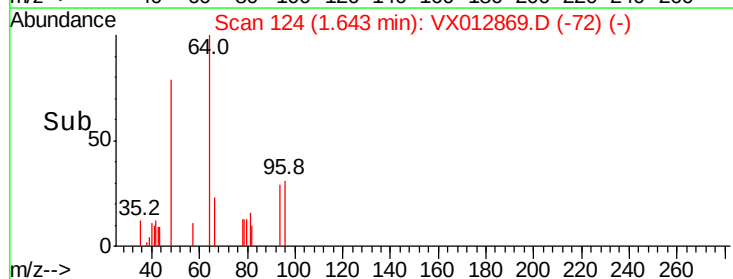
300

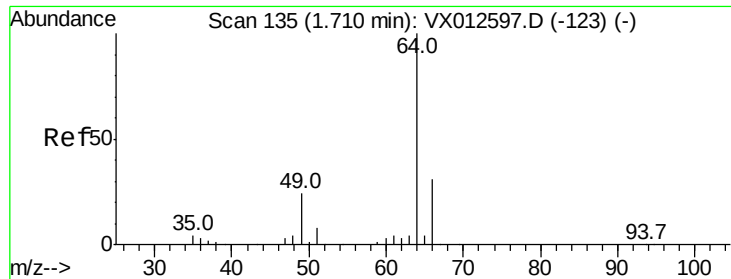
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 2.242 ug/l

RT: 1.62 min Scan# 120

Delta R.T. -0.09 min

Lab File: VX012869.D

Acq: 08 Oct 2019 04:26

Instrument :

MSVOA_X

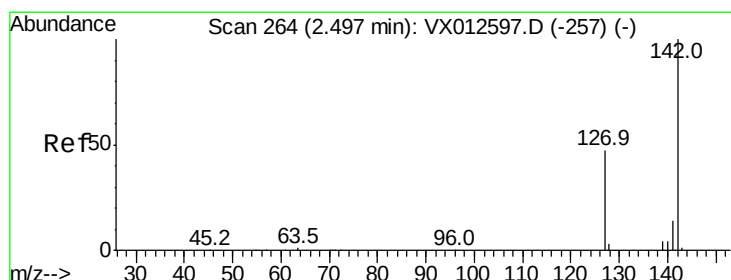
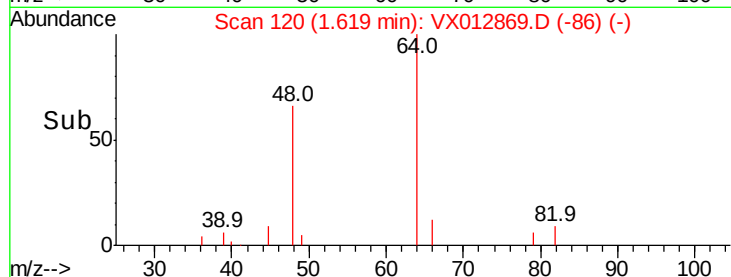
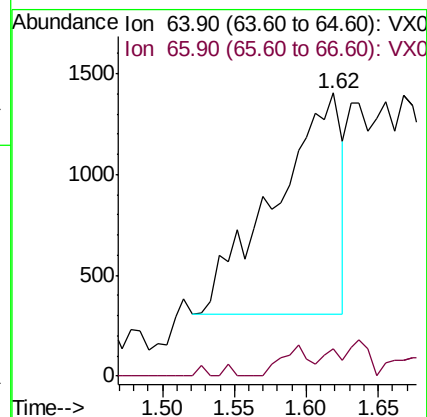
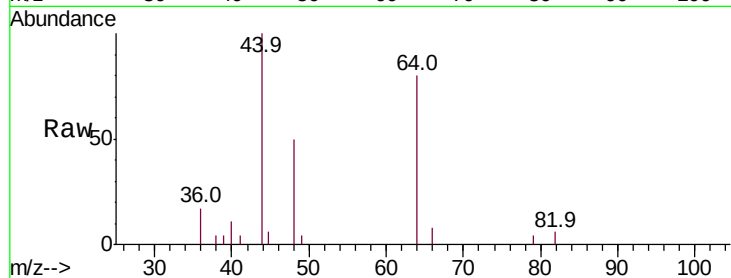
ClientSampleId :

Tot Ion: 64 Resp: 3514

Ion Ratio Lower Upper

64 100

66 12.4 24.0 36.0#



#10

Methyl Iodide

Concen: 4.990 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012869.D

Acq: 08 Oct 2019 04:26

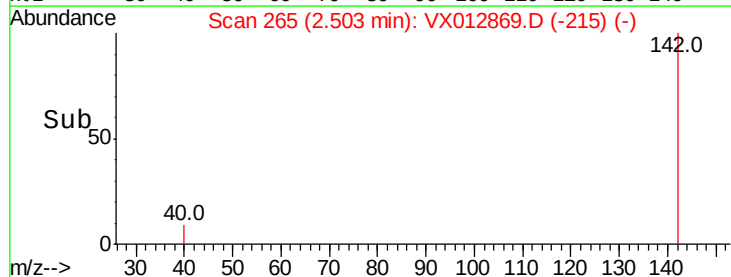
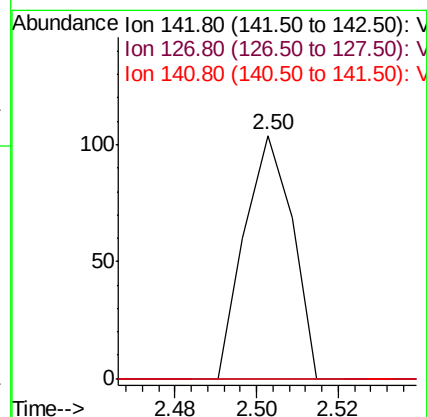
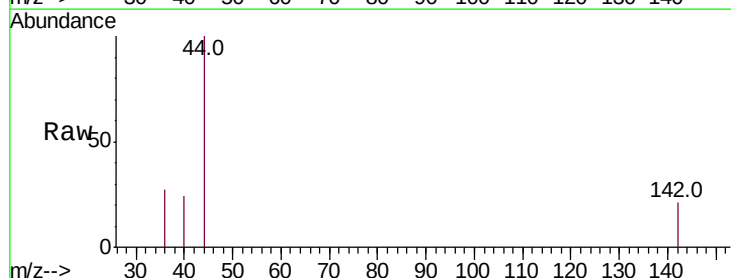
Tgt Ion: 142 Resp: 85

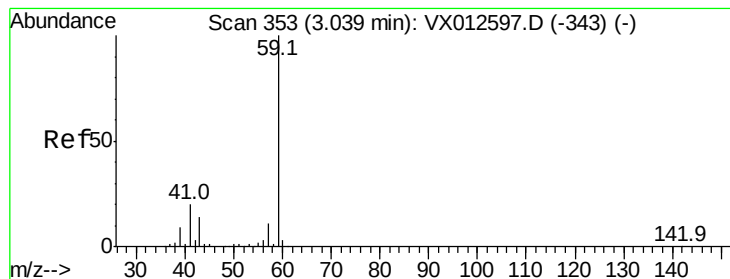
Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

141 0.0 12.1 18.1#



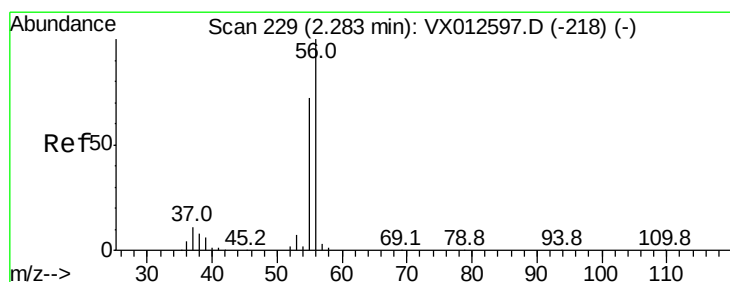
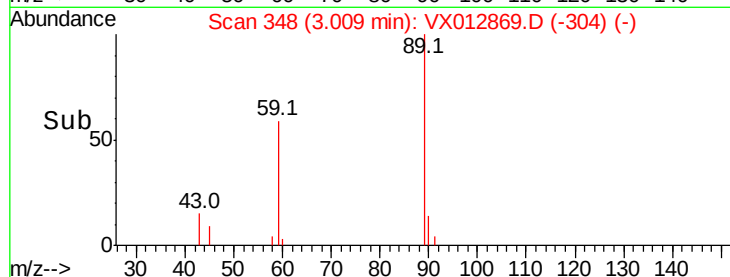
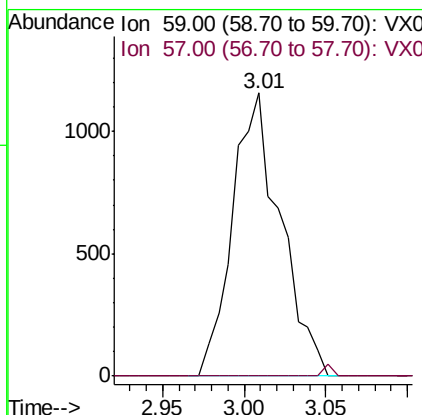
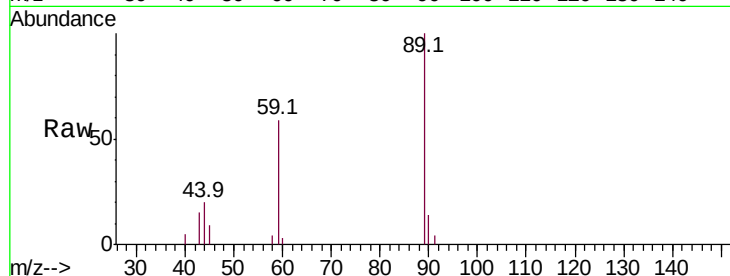


#11

Tert butyl alcohol
 Concen: 3.592 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX012869.D
 Acq: 08 Oct 2019 04:26

Instrument :
 MSVOA_X
 ClientSampled :

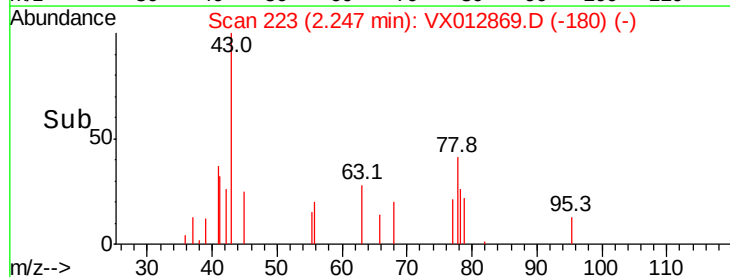
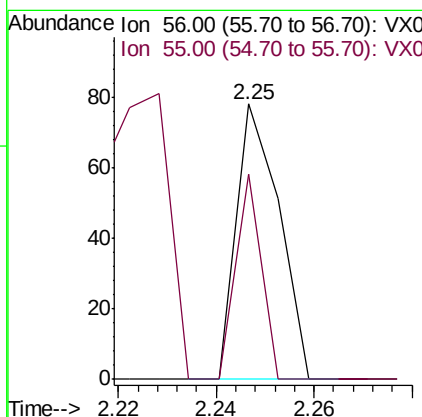
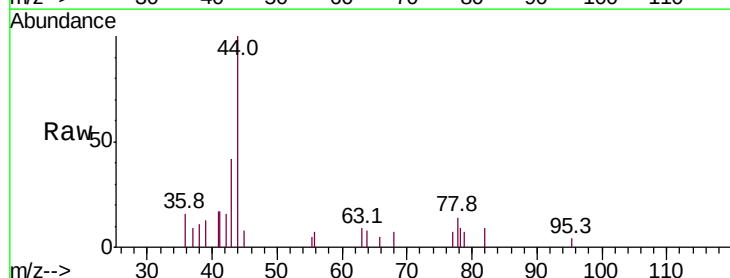
Tot Ion: 59 Resp: 2366
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

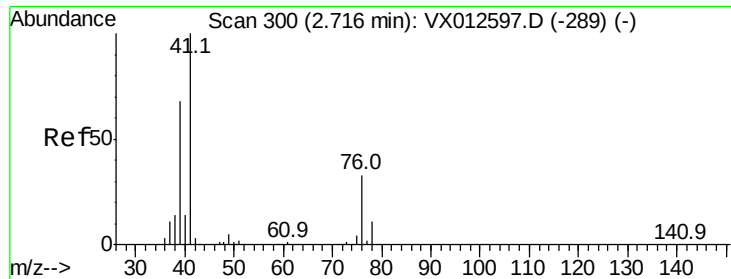


#13

Acrolein
 Concen: 10.356 ug/l
 RT: 2.25 min Scan# 223
 Delta R.T. -0.04 min
 Lab File: VX012869.D
 Acq: 08 Oct 2019 04:26

Tgt Ion: 56 Resp: 47
 Ion Ratio Lower Upper
 56 100
 55 44.7 55.8 83.8#

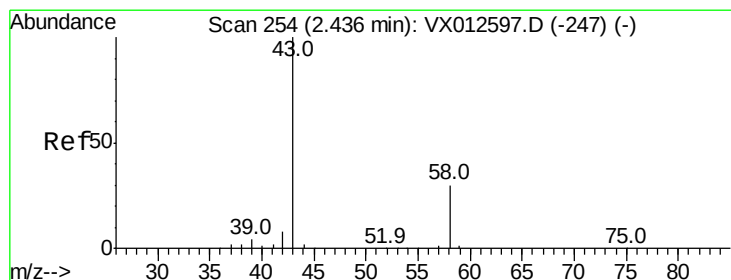
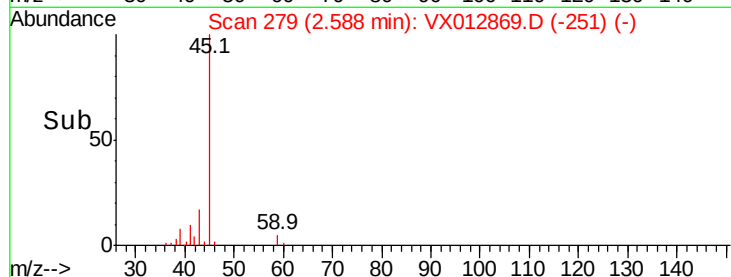
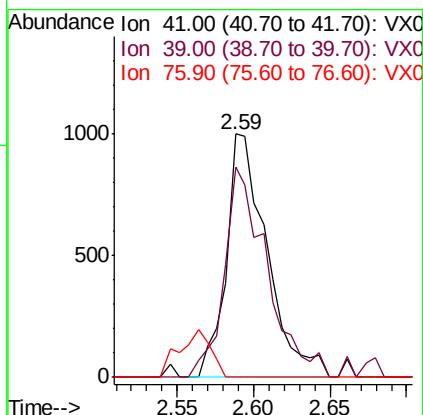
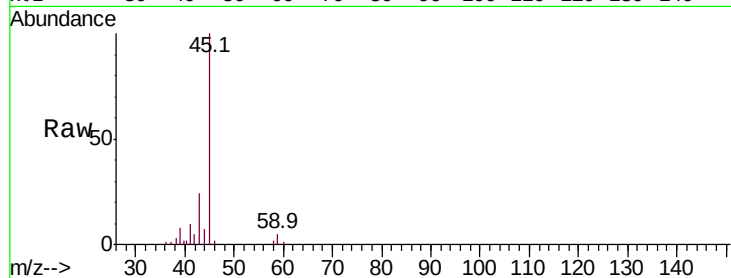




#14
Allvl chloride
Concen: 0.477 ug/l
RT: 2.59 min Scan# 279
Delta R.T. -0.13 min
Lab File: VX012869.D
Acq: 08 Oct 2019 04:26

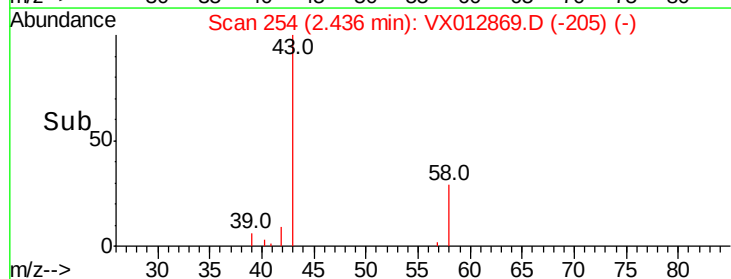
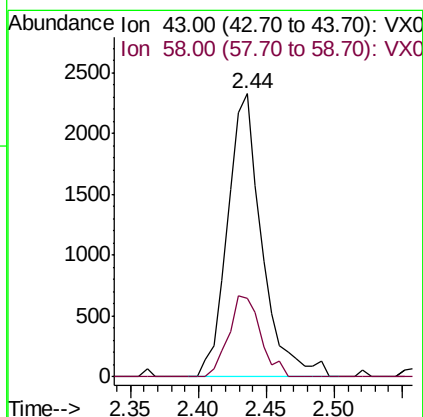
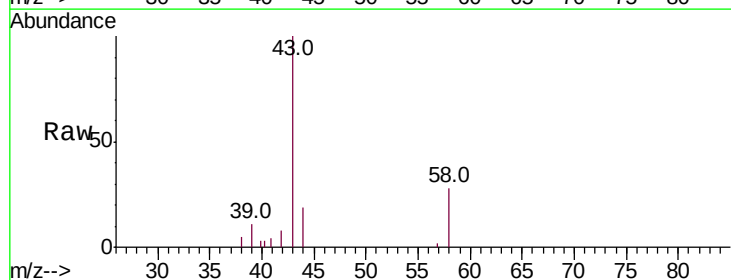
Instrument :
MSVOA_X
ClientSampled :

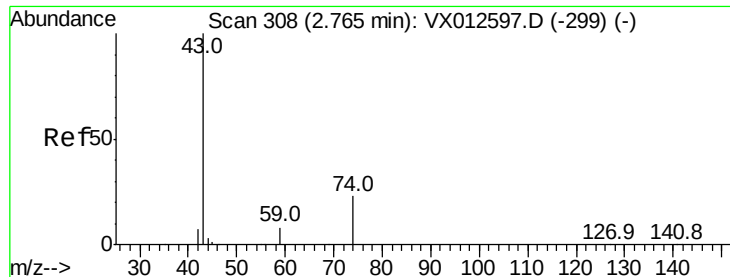
Tot Ion: 41 Resp: 1844
Ion Ratio Lower Upper
41 100
39 90.5 51.3 76.9#
76 0.0 22.6 33.8#



#16
Acetone
Concen: 2.928 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX012869.D
Acq: 08 Oct 2019 04:26

Tgt Ion: 43 Resp: 4089
Ion Ratio Lower Upper
43 100
58 28.0 23.3 34.9

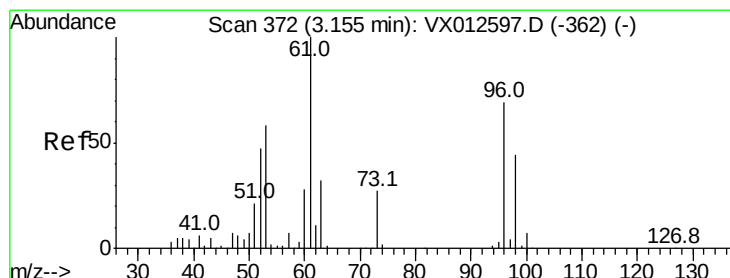
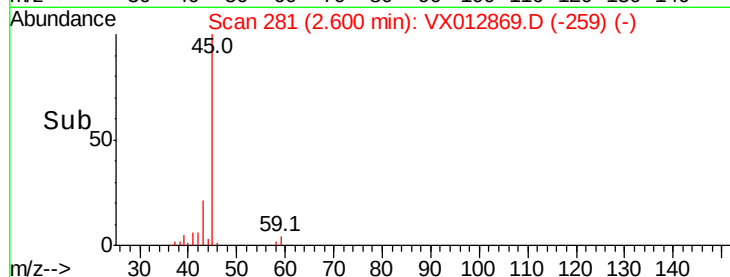
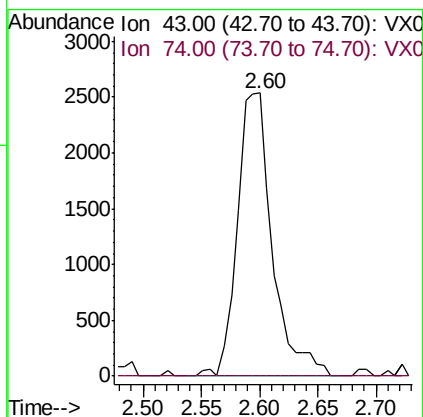
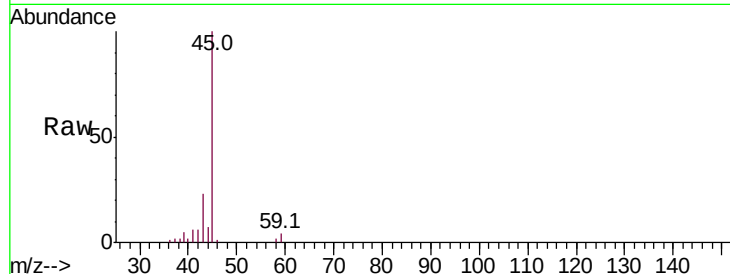




#18
Methvl Acetate
Concen: 1.614 ug/l
RT: 2.60 min Scan# 281
Delta R.T. -0.16 min
Lab File: VX012869.D
Acq: 08 Oct 2019 04:26

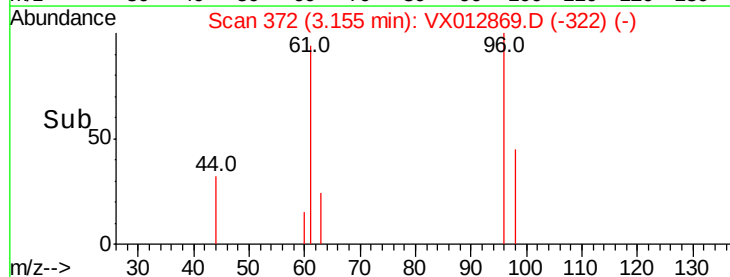
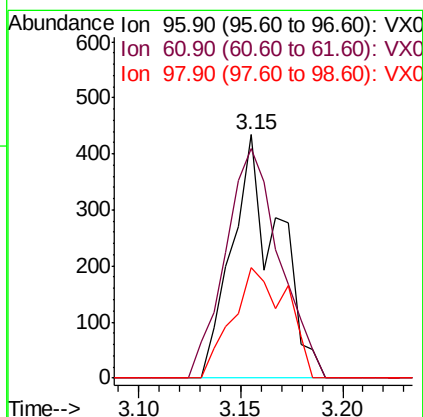
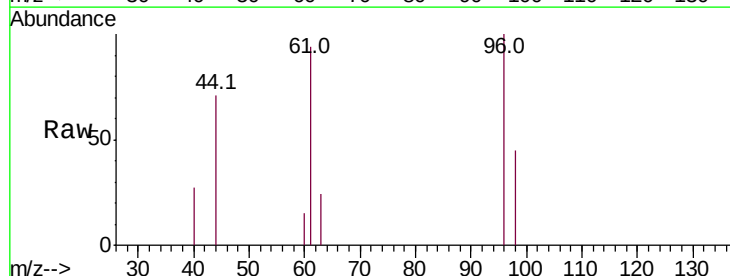
Instrument :
MSVOA_X
ClientSampleId :

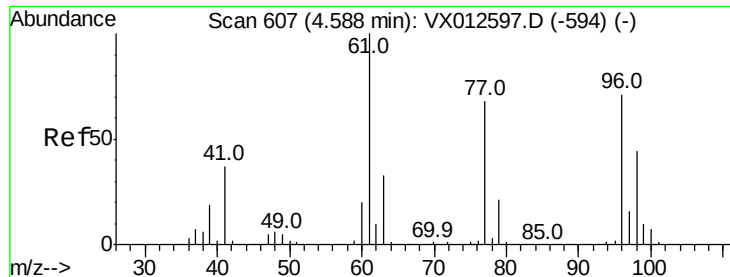
Tot Ion: 43 Resp: 5308
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#21
trans-1,2-Dichloroethene
Concen: 0.315 ug/l
RT: 3.15 min Scan# 372
Delta R.T. 0.01 min
Lab File: VX012869.D
Acq: 08 Oct 2019 04:26

Tgt Ion: 96 Resp: 680
Ion Ratio Lower Upper
96 100
61 94.5 112.0 168.0#
98 45.4 47.8 71.8#



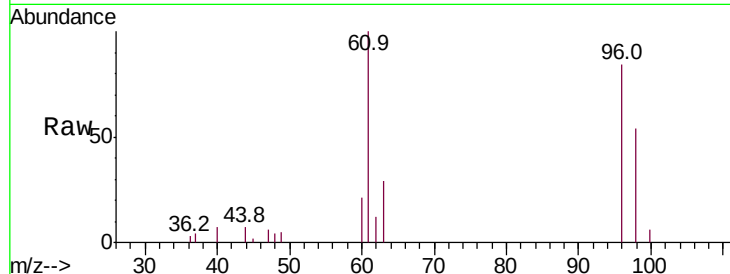


#27

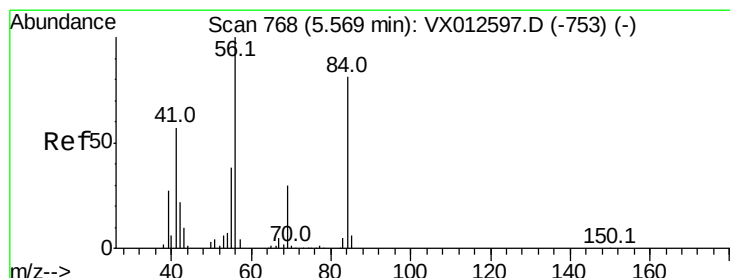
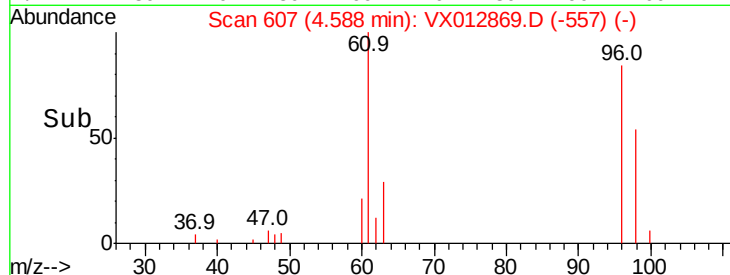
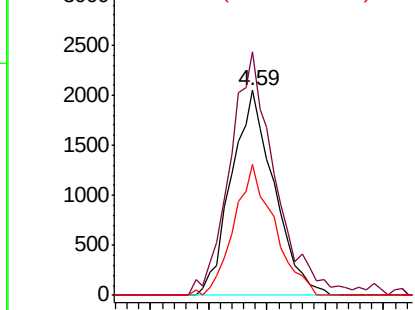
cis-1,2-Dichloroethene
 Concen: 2.085 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012869.D
 Acq: 08 Oct 2019 04:26

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 96 Resp: 5217
 Ion Ratio Lower Upper
 96 100
 61 125.8 0.0 319.4
 98 60.5 0.0 130.6



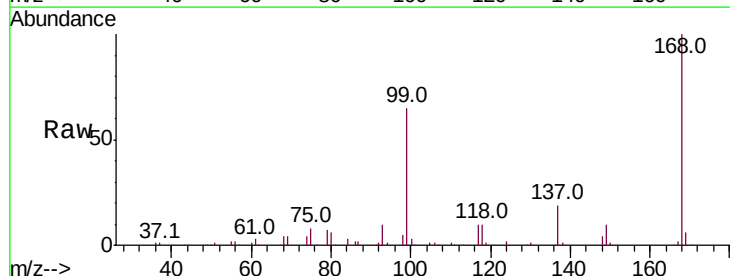
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



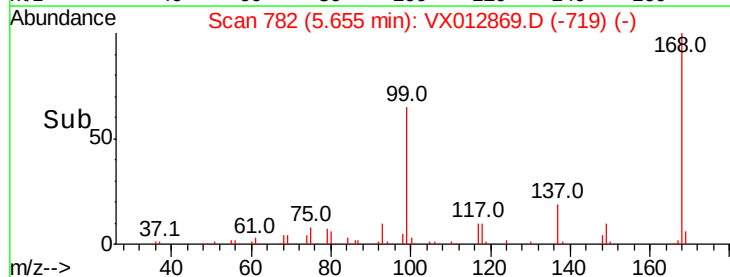
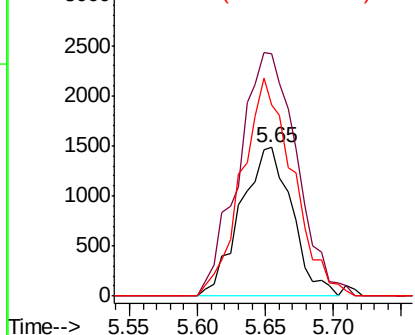
#31

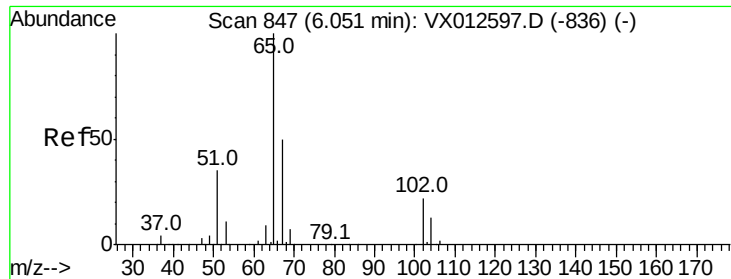
Cyclohexane
 Concen: 1.072 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.09 min
 Lab File: VX012869.D
 Acq: 08 Oct 2019 04:26

Tgt Ion: 56 Resp: 3934
 Ion Ratio Lower Upper
 56 100
 69 163.1 25.0 37.6#
 84 128.6 66.4 99.6#



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

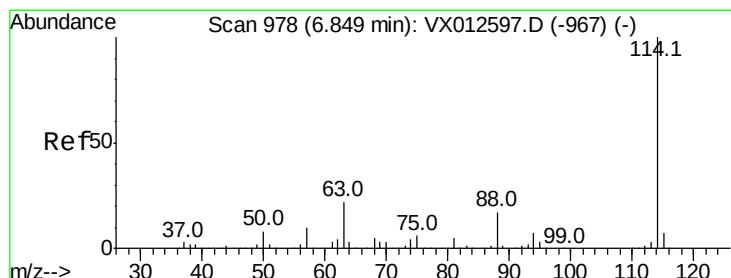
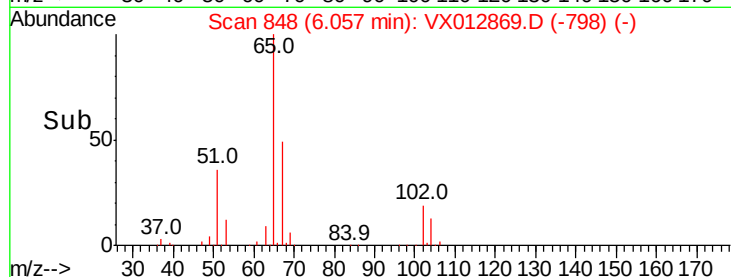
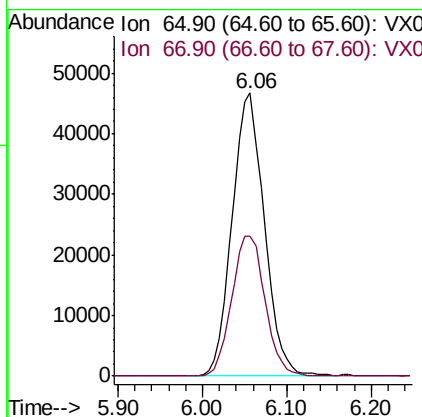
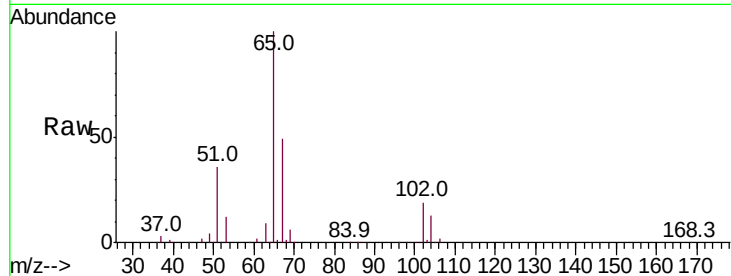




#33
 1,2-Dichloroethane-d4
 Concen: 45.769 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012869.D
 Acq: 08 Oct 2019 04:26

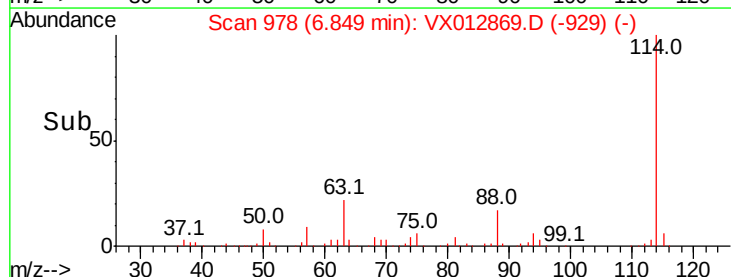
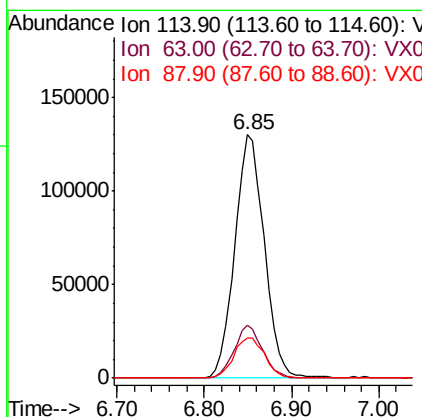
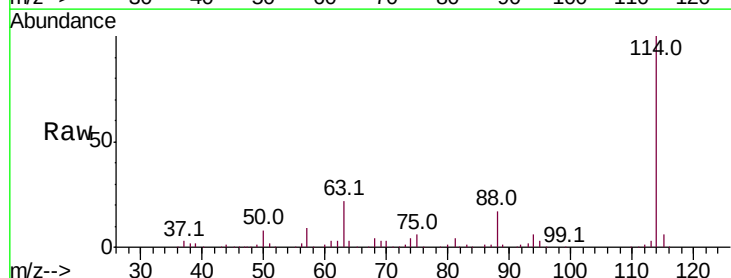
Instrument :
 MSVOA_X
 ClientSampled :

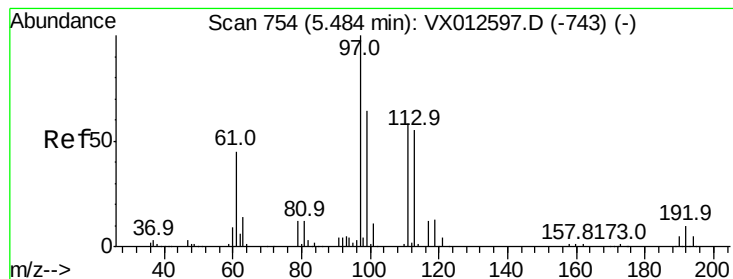
Tot Ion: 65 Resp: 120678
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012869.D
 Acq: 08 Oct 2019 04:26

Tgt Ion: 114 Resp: 306111
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 16.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.258 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012869.D

Acq: 08 Oct 2019 04:26

Instrument :

MSVOA_X

ClientSampleId :

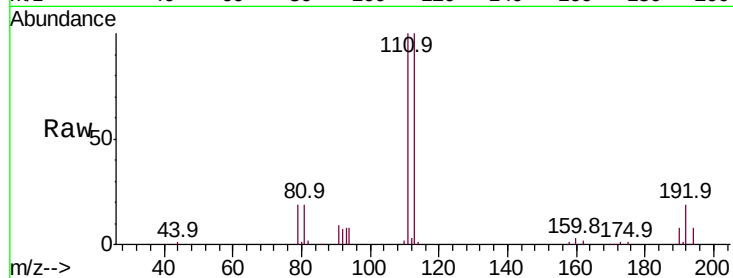
Tot Ion:113 Resp: 91622

Ion Ratio Lower Upper

113 100

111 102.5 83.4 125.2

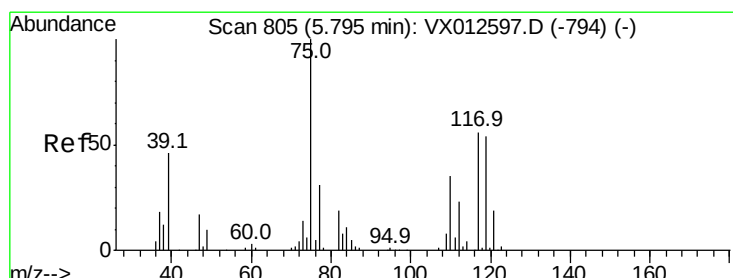
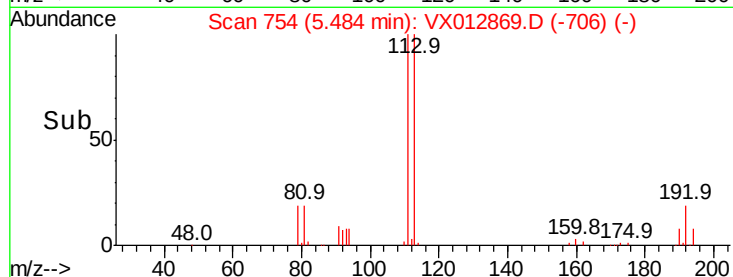
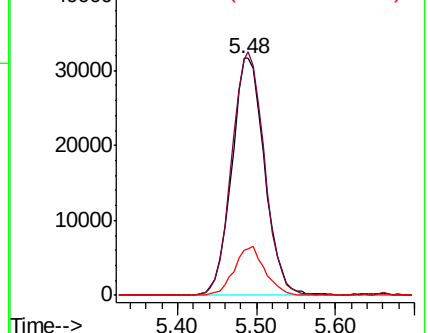
192 19.2 14.4 21.6



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: 5.009 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012869.D

Acq: 08 Oct 2019 04:26

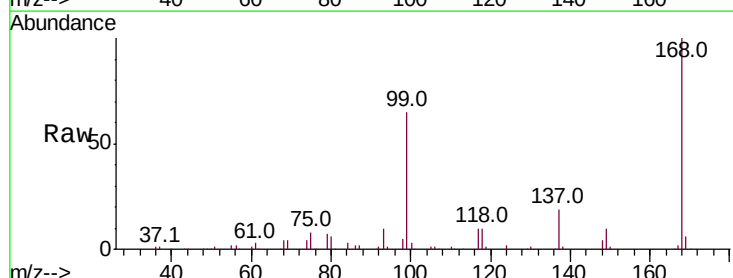
Tgt Ion: 75 Resp: 14779

Ion Ratio Lower Upper

75 100

110 8.9 16.7 50.0#

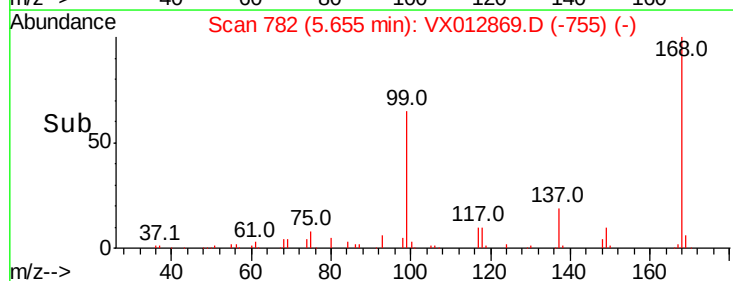
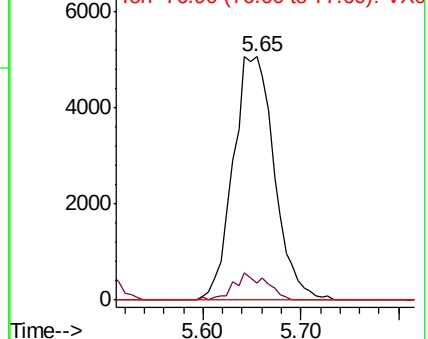
77 0.0 24.2 36.2#

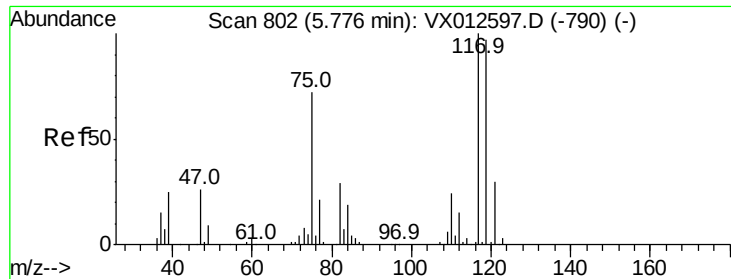


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.363 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012869.D

Acq: 08 Oct 2019 04:26

Instrument :

MSVOA_X

ClientSampled :

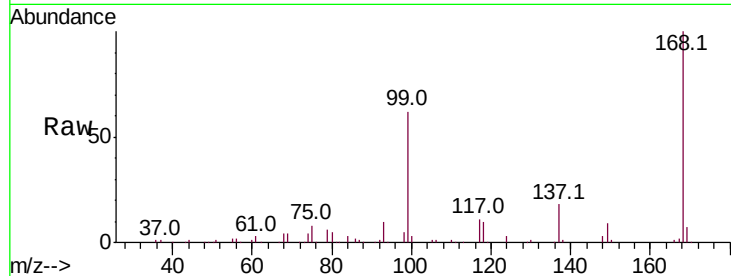
Tot Ion:117 Resp: 19072

Ion Ratio Lower Upper

117 100

119 3.9 75.7 113.5#

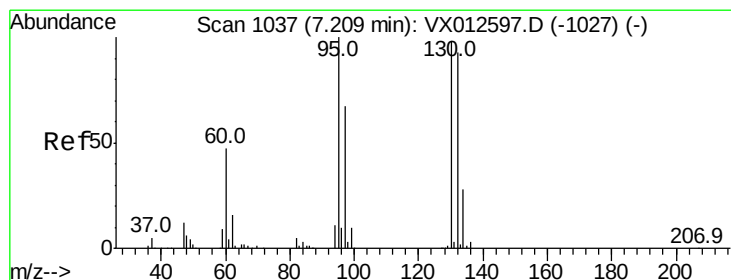
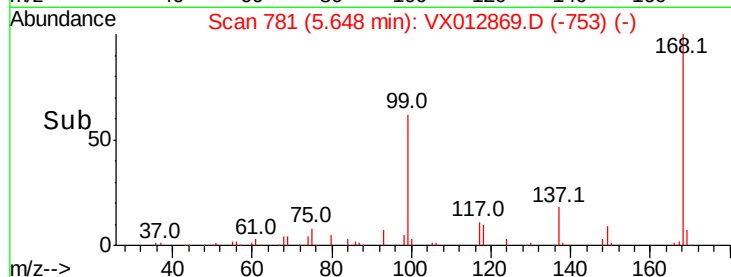
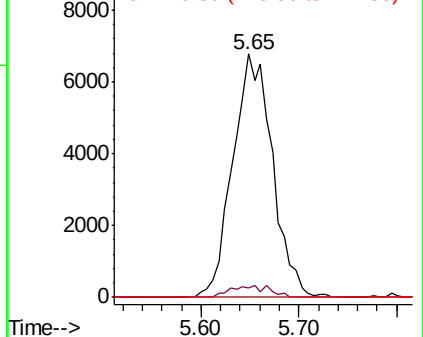
121 0.0 24.2 36.4#



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: 17.052 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012869.D

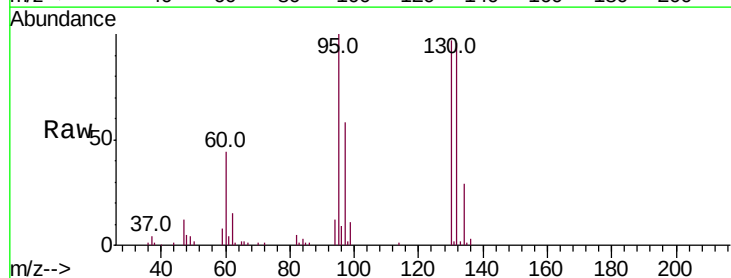
Acq: 08 Oct 2019 04:26

Tgt Ion:130 Resp: 37844

Ion Ratio Lower Upper

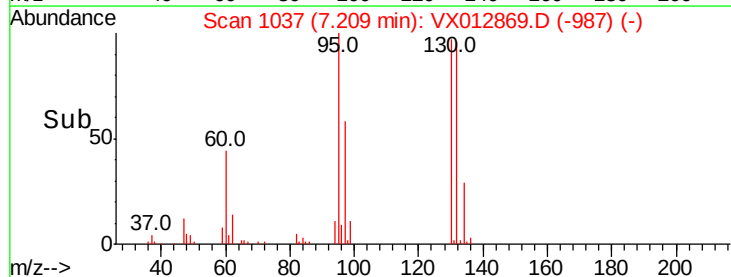
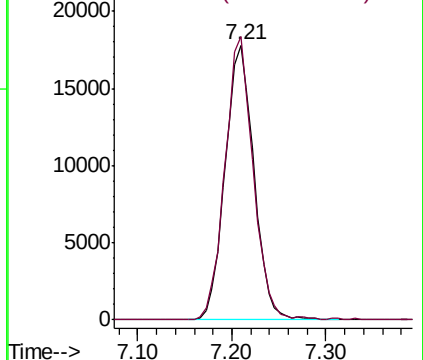
130 100

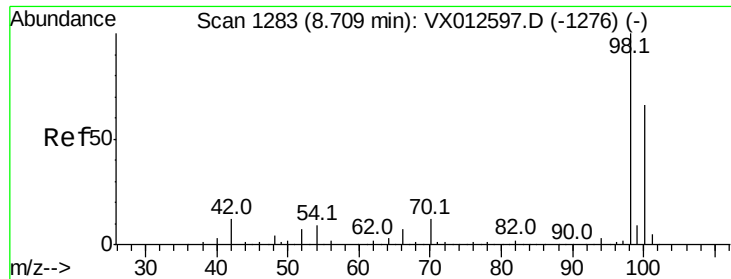
95 103.1 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

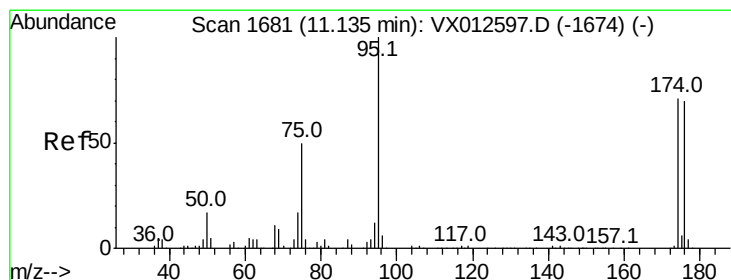
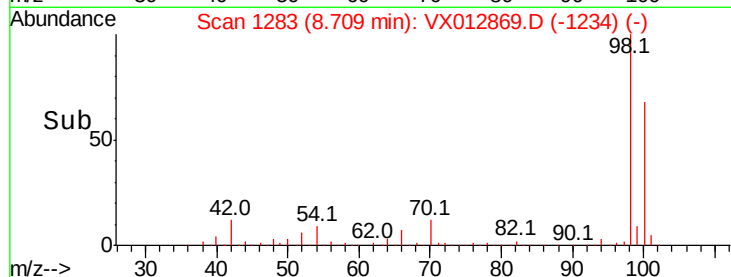
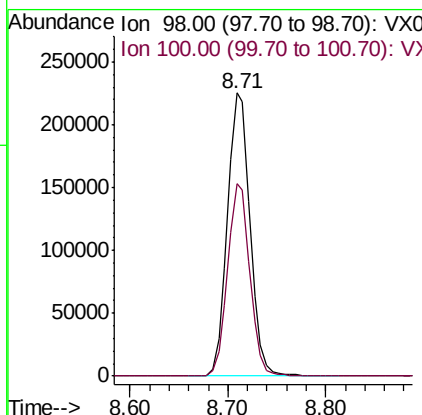
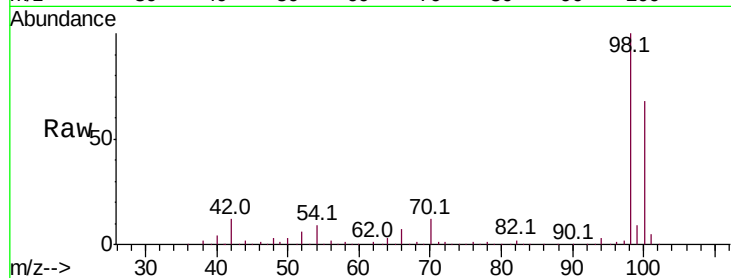




#50
Toluene-d8
Concen: 51.398 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012869.D
Acq: 08 Oct 2019 04:26

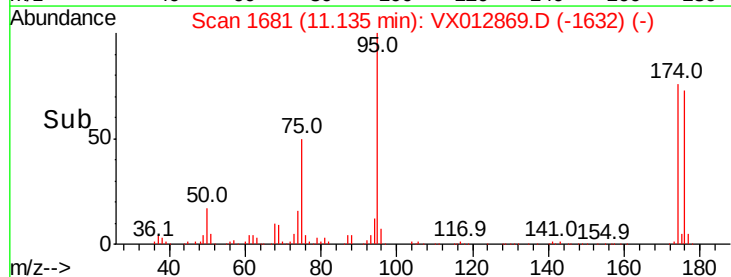
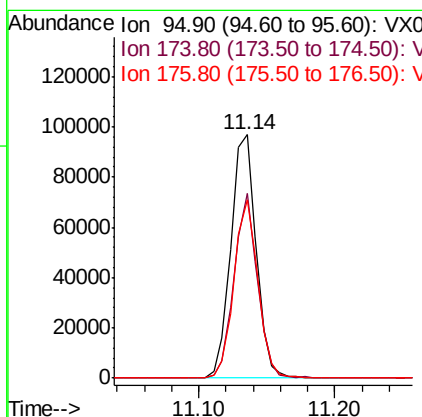
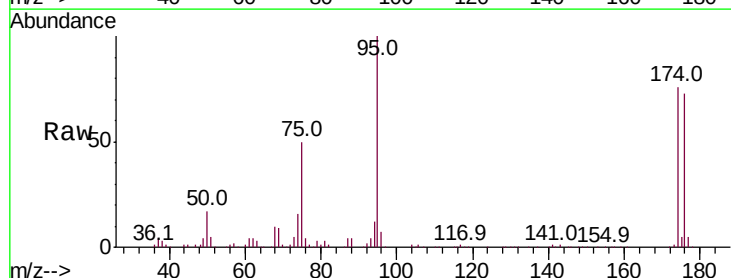
Instrument :
MSVOA_X
ClientSampled :

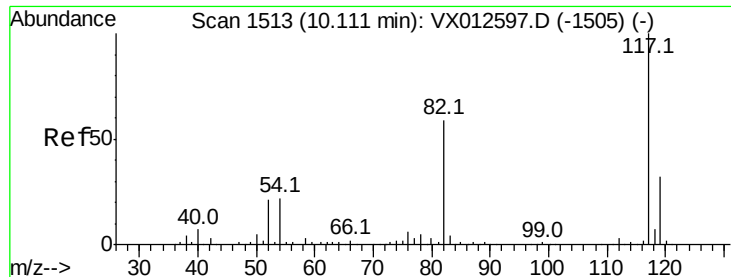
Tot Ion: 98 Resp: 360843
Ion Ratio Lower Upper
98 100
100 67.2 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 45.465 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012869.D
Acq: 08 Oct 2019 04:26

Tgt Ion: 95 Resp: 125508
Ion Ratio Lower Upper
95 100
174 70.1 0.0 140.0
176 69.5 0.0 135.4

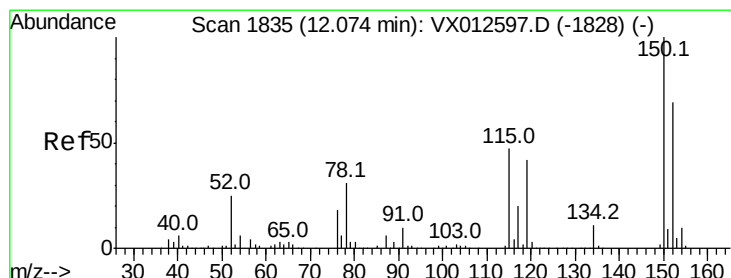
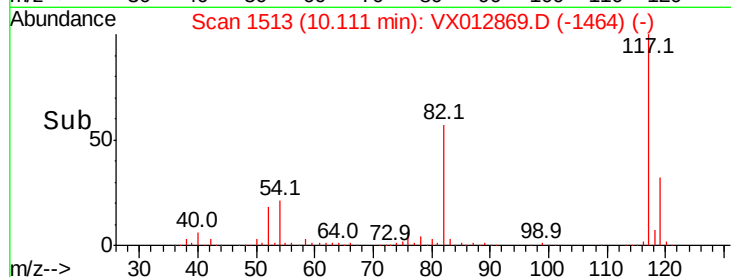
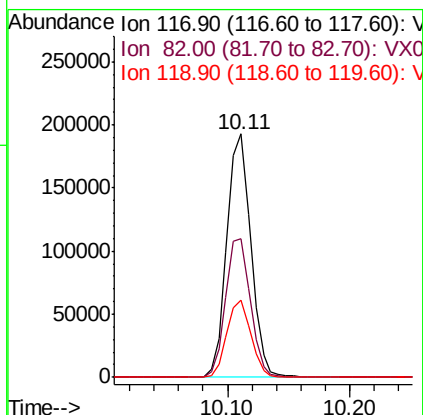
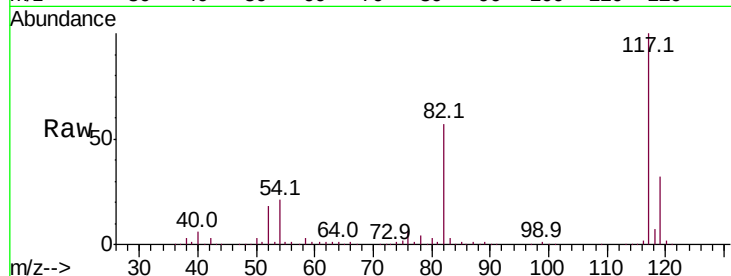




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012869.D
Acq: 08 Oct 2019 04:26

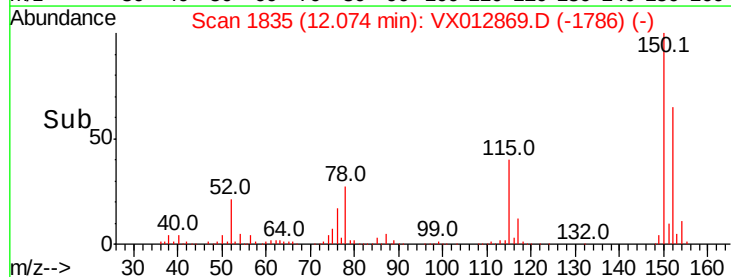
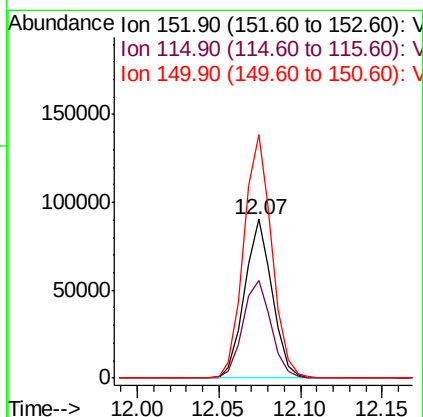
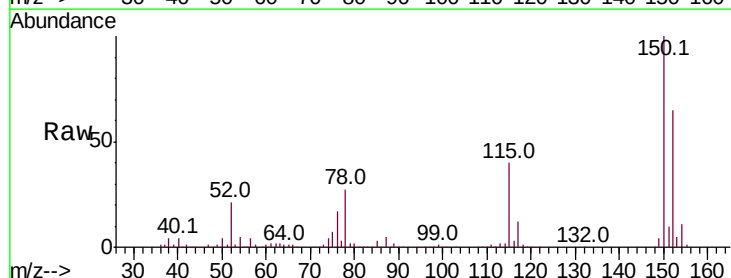
Instrument :
MSVOA_X
ClientSampled :

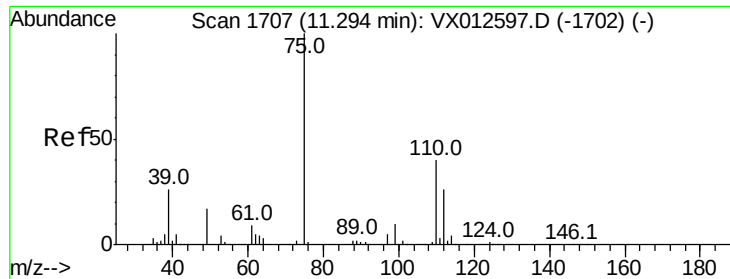
Tot Ion:117 Resp: 262873
Ion Ratio Lower Upper
117 100
82 57.2 45.9 68.9
119 31.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012869.D
Acq: 08 Oct 2019 04:26

Tgt Ion:152 Resp: 106299
Ion Ratio Lower Upper
152 100
115 63.4 44.1 132.3
150 156.5 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 22.616 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012869.D

Acq: 08 Oct 2019 04:26

Instrument :

MSVOA_X

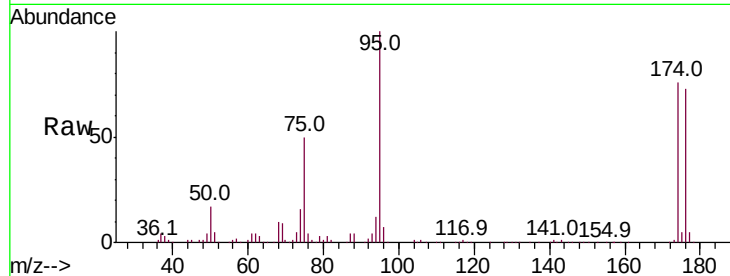
ClientSampled :

Tot Ion: 75 Resp: 63593

Ion Ratio Lower Upper

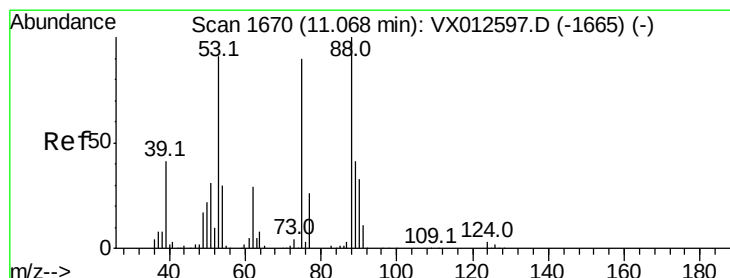
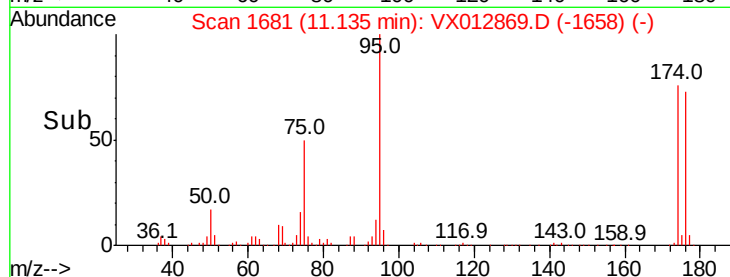
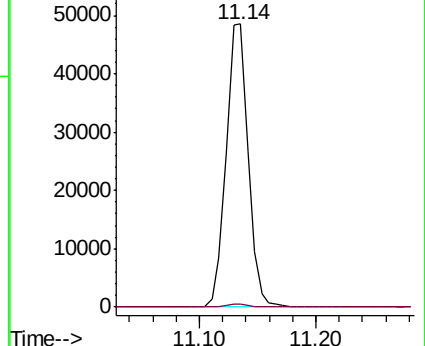
75 100

77 1.1 19.7 59.0#



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: 64.812 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012869.D

Acq: 08 Oct 2019 04:26

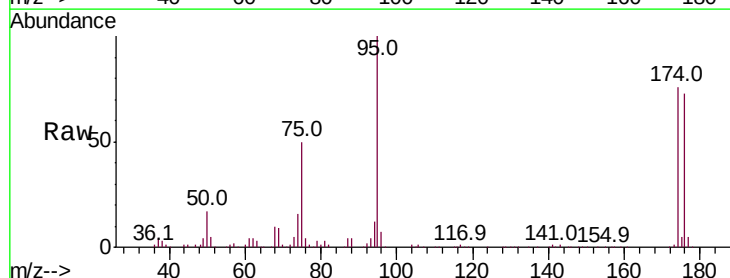
Tgt Ion: 75 Resp: 63593

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



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

