

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053119\
 Data File : VX010008.D
 Acq On : 01 Jun 2019 01:21
 Operator : JC/SP
 Sample : K3128-03DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0661DL

Quant Time: Jun 01 04:48:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	177236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	279301	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111544	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	116391	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
35) Dibromofluoromethane	5.50	113	86717	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
50) Toluene-d8	8.71	98	355492	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	11.13	95	120046	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	

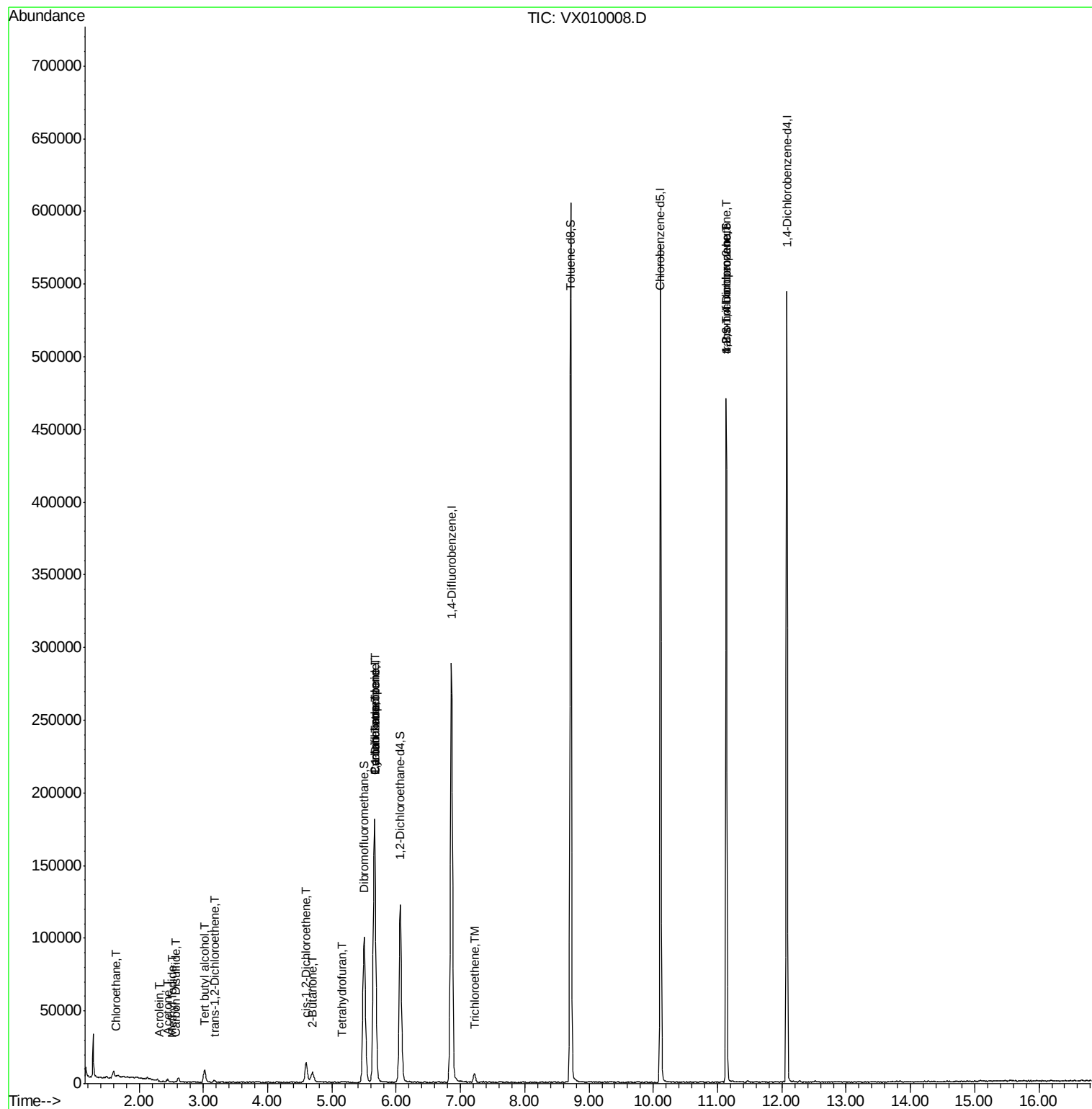
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.64	64	2880	1.782	ug/l #	60
10) Methyl Iodide	2.53	142	110	4.703	ug/l #	42
11) Tert butyl alcohol	3.02	59	5464	8.868	ug/l #	73
13) Acrolein	2.31	56	59	21.221	ug/l #	1
16) Acetone	2.44	43	1997	1.381	ug/l	98
17) Carbon Disulfide	2.57	76	544	0.484	ug/l #	80
21) trans-1,2-Dichloroethene	3.18	96	425	0.213	ug/l #	51
25) 2-Butanone	4.69	43	959	0.426	ug/l #	54
27) cis-1,2-Dichloroethene	4.60	96	7905	3.429	ug/l	92
29) Tetrahydrofuran	5.16	42	341	0.236	ug/l #	56
31) Cyclohexane	5.66	56	3838	1.007	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13903	4.906	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16351	6.677	ug/l #	15
44) Trichloroethene	7.21	130	2343	1.147	ug/l	81
76) 1,2,3-Trichloropropane	11.13	75	61411	23.023	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61411	56.963	ug/l #	10

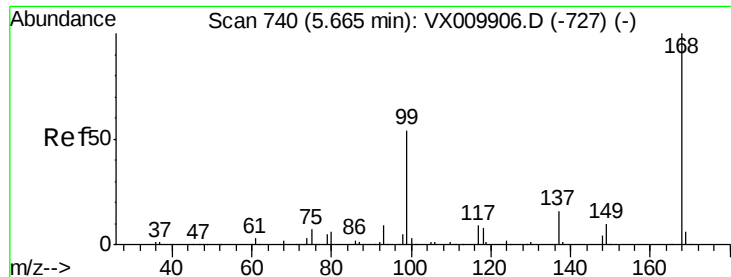
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX053119\
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ClientSampleId :
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Quant Time: Jun 01 04:48:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010008.D

Acq: 01 Jun 2019 01:21

Instrument :

MSVOA_X

ClientSampled :

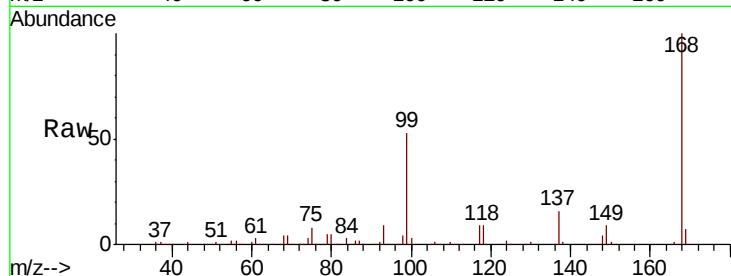
S32-0661DL

Tot Ion:168 Resp: 177236

Ion Ratio Lower Upper

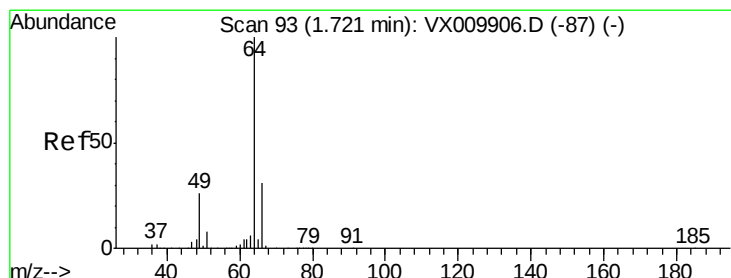
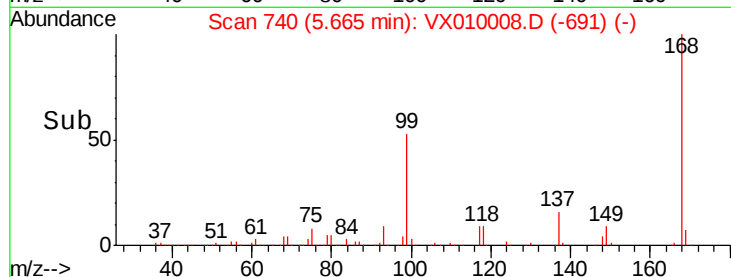
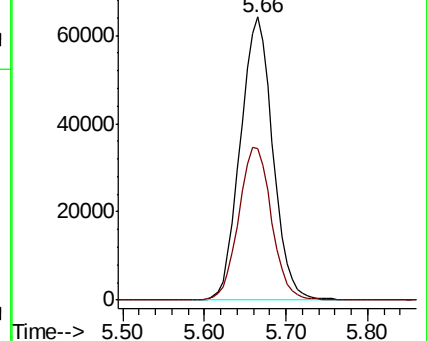
168 100

99 53.3 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 1.782 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.08 min

Lab File: VX010008.D

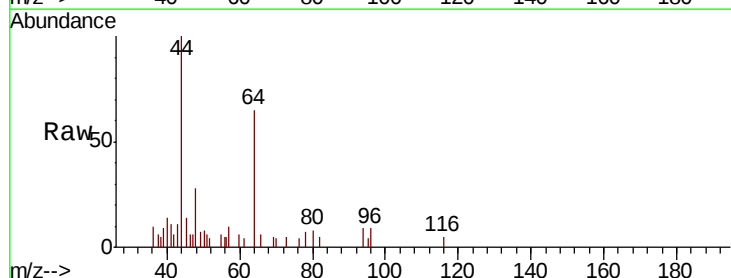
Acq: 01 Jun 2019 01:21

Tgt Ion: 64 Resp: 2880

Ion Ratio Lower Upper

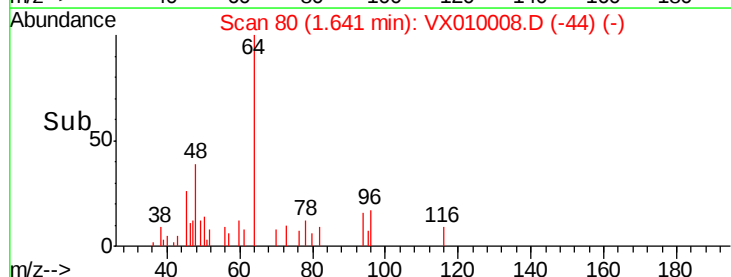
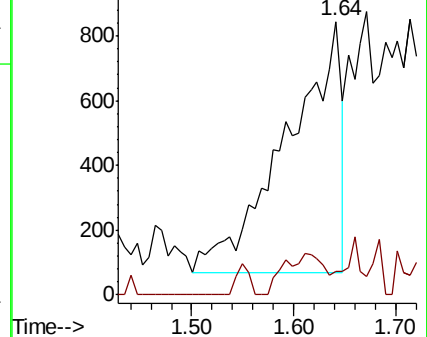
64 100

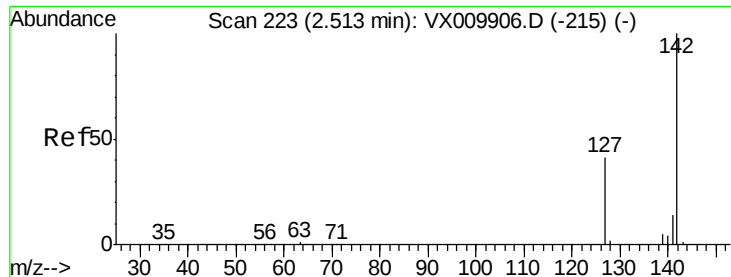
66 9.5 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

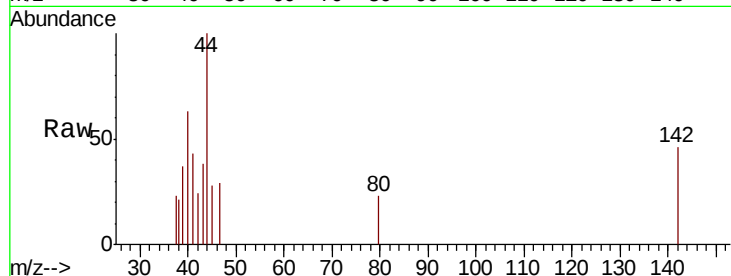




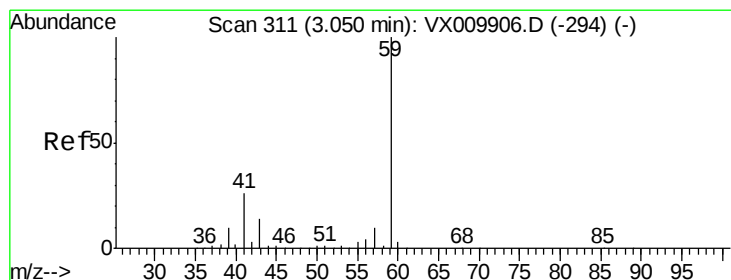
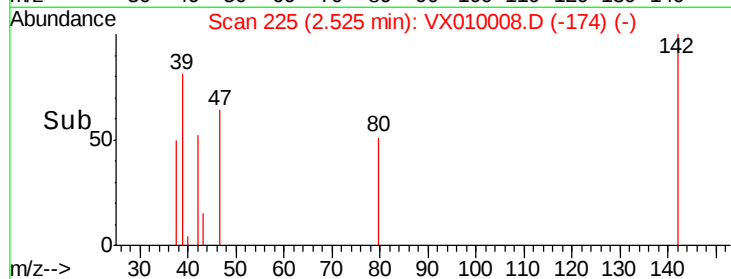
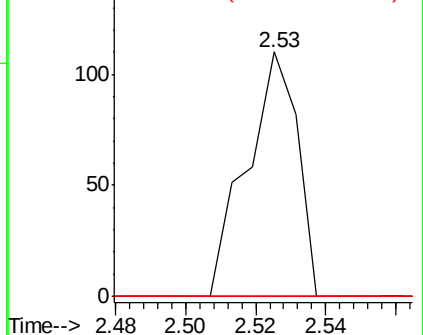
#10
Methvl Iodide
Concen: 4.703 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.01 min
Lab File: VX010008.D
Acq: 01 Jun 2019 01:21

Instrument :
MSVOA_X
ClientSampleId :
S32-0661DL

Tot Ion:142 Resp: 110
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.4#
141 0.0 11.4 17.0#

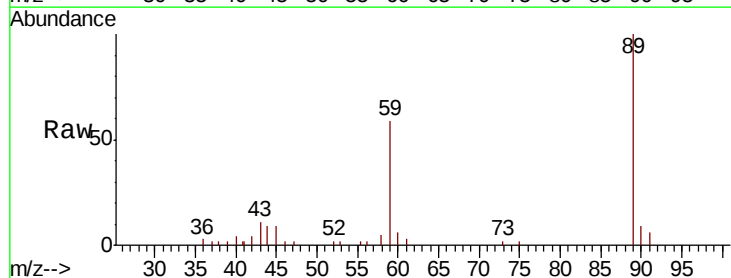


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

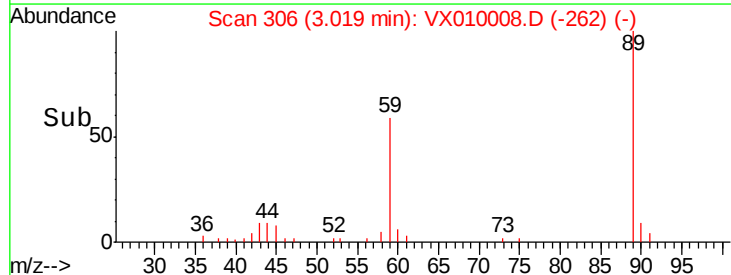
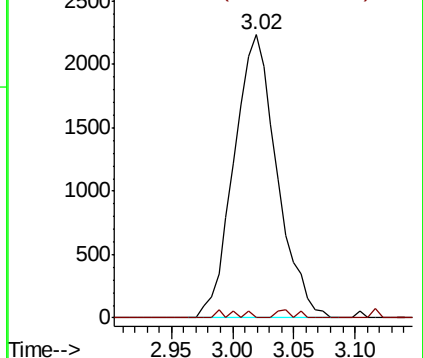


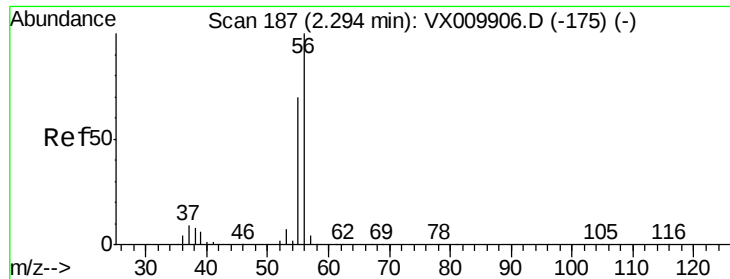
#11
Tert butyl alcohol
Concen: 8.868 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010008.D
Acq: 01 Jun 2019 01:21

Tgt Ion: 59 Resp: 5464
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



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





#13

Acrolein

Concen: 21.221 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX010008.D

Acq: 01 Jun 2019 01:21

Instrument :

MSVOA_X

ClientSampled :

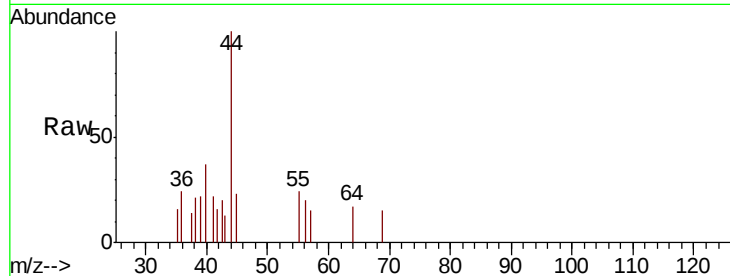
S32-0661DL

Tot Ion: 56 Resp: 59

Ion Ratio Lower Upper

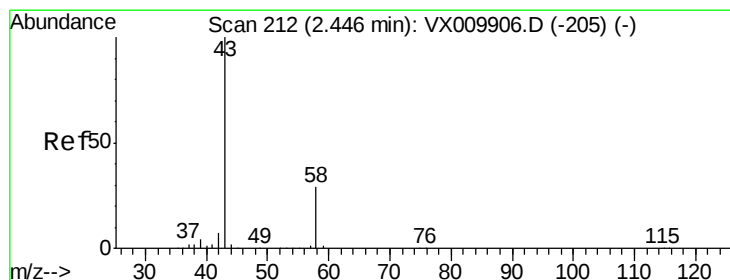
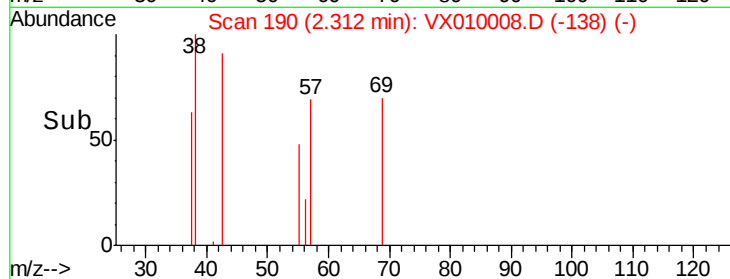
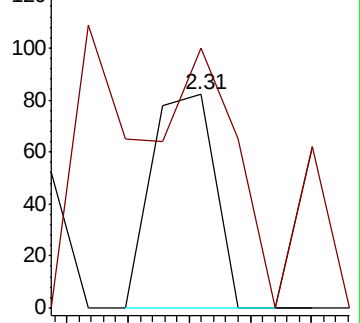
56 100

55 288.1 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.381 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010008.D

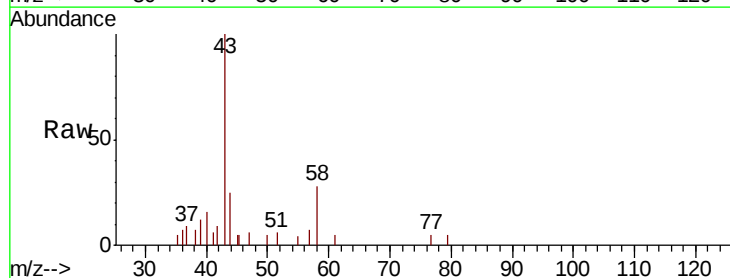
Acq: 01 Jun 2019 01:21

Tgt Ion: 43 Resp: 1997

Ion Ratio Lower Upper

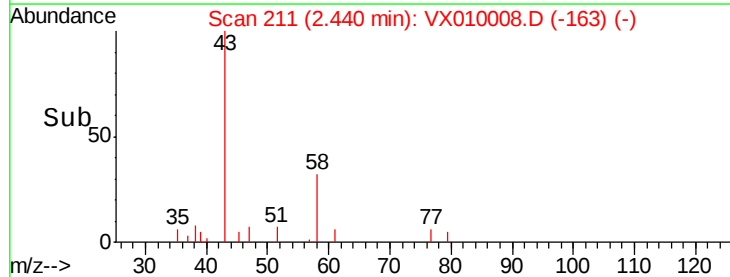
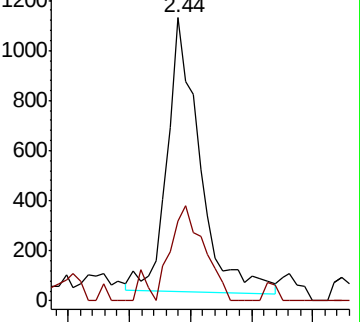
43 100

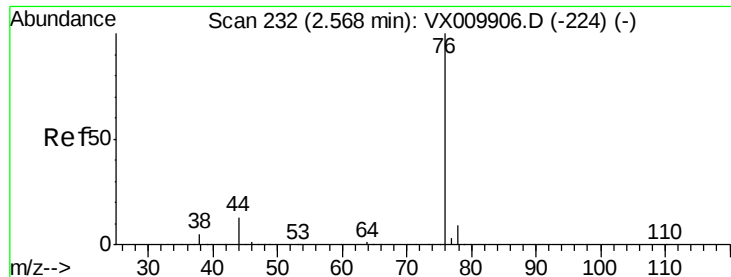
58 29.8 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.484 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010008.D

Acq: 01 Jun 2019 01:21

Instrument :

MSVOA_X

ClientSampled :

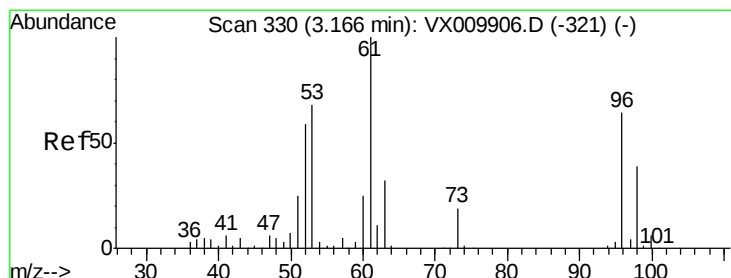
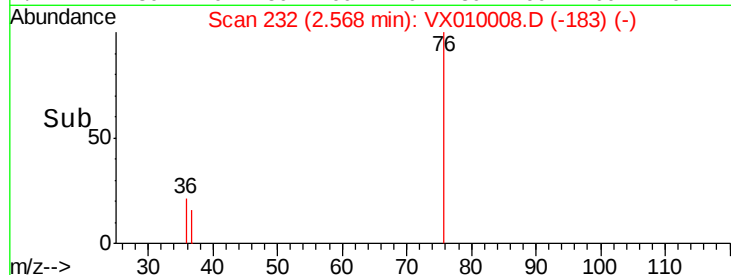
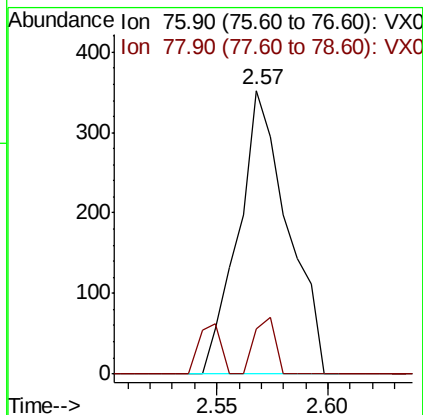
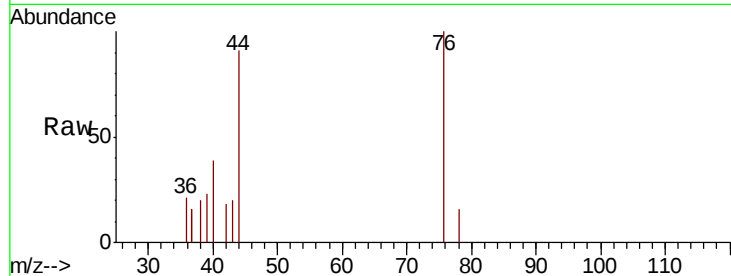
S32-0661DL

Tot Ion: 76 Resp: 544

Ion Ratio Lower Upper

76 100

78 15.9 7.0 10.6#



#21

trans-1,2-Dichloroethene

Concen: 0.213 ug/l

RT: 3.18 min Scan# 333

Delta R.T. 0.02 min

Lab File: VX010008.D

Acq: 01 Jun 2019 01:21

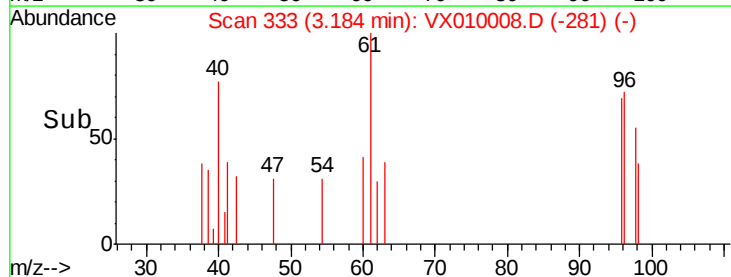
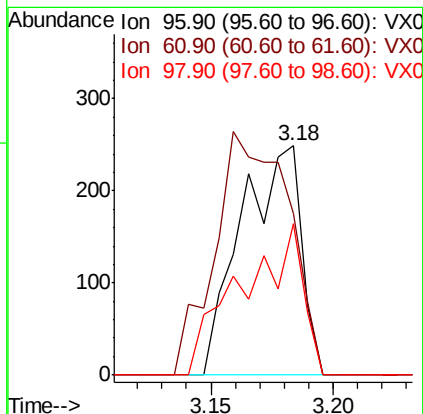
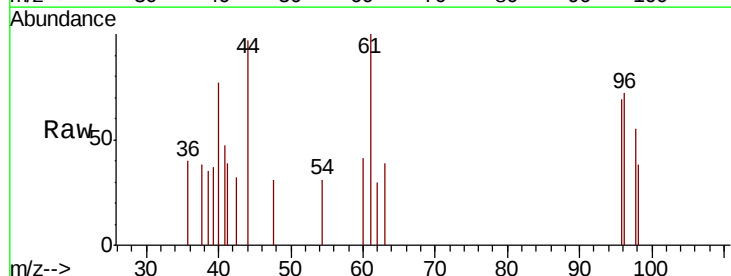
Tgt Ion: 96 Resp: 425

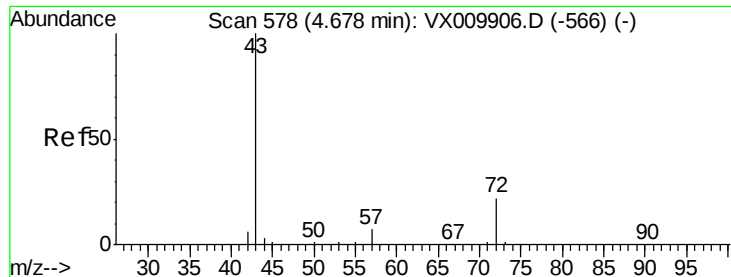
Ion Ratio Lower Upper

96 100

61 70.7 125.7 188.5#

98 65.9 49.0 73.6





#25

2-Butanone

Concen: 0.426 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.01 min

Lab File: VX010008.D

Acq: 01 Jun 2019 01:21

Instrument :

MSVOA_X

ClientSampled :

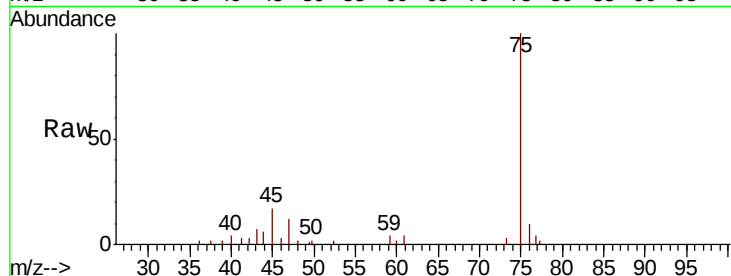
S32-0661DL

Tot Ion: 43 Resp: 959

Ion Ratio Lower Upper

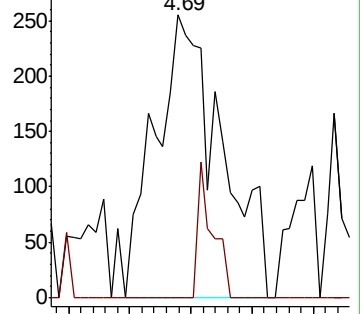
43 100

72 0.0 17.5 26.3#

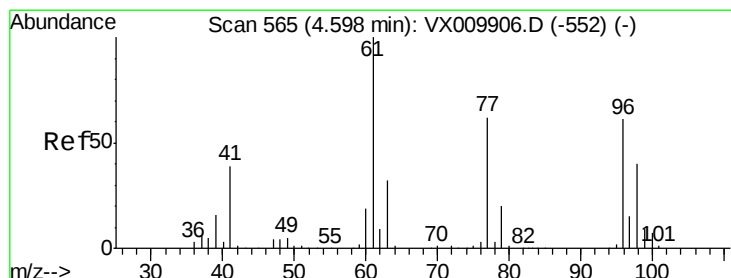
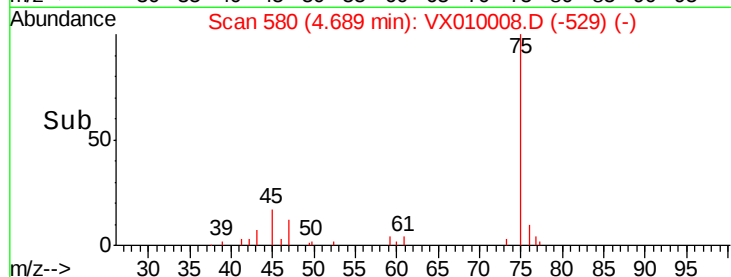


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 3.429 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX010008.D

Acq: 01 Jun 2019 01:21

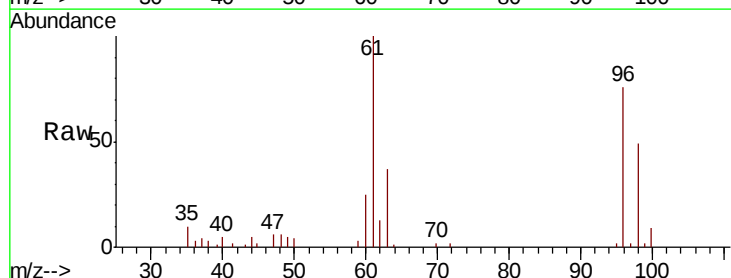
Tgt Ion: 96 Resp: 7905

Ion Ratio Lower Upper

96 100

61 155.2 0.0 334.0

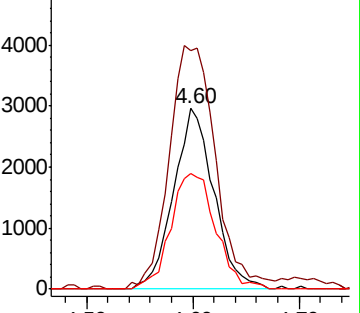
98 71.0 0.0 131.6



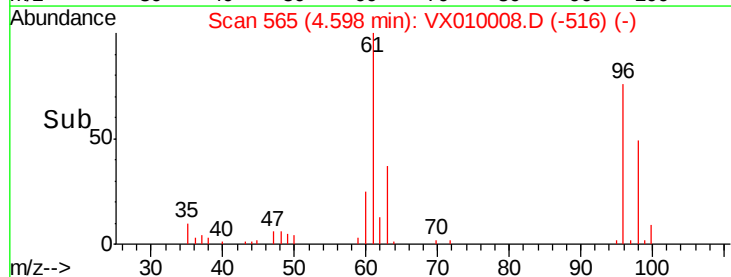
Abundance Ion 95.90 (95.60 to 96.60): VX0

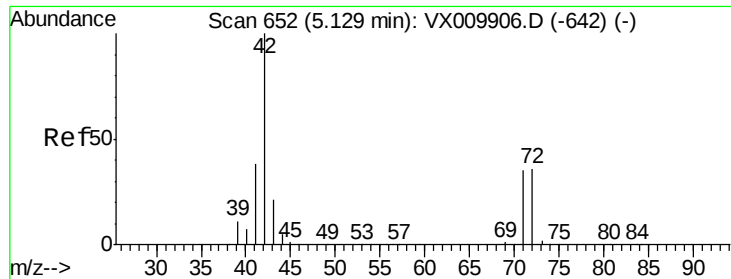
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->

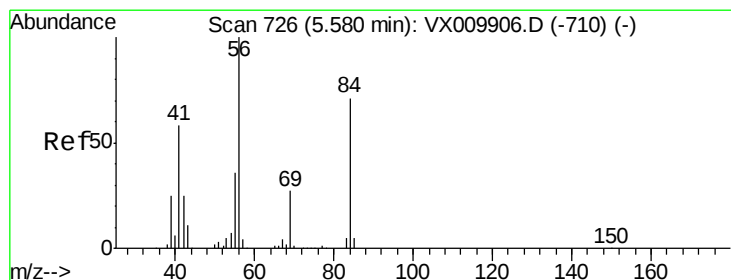
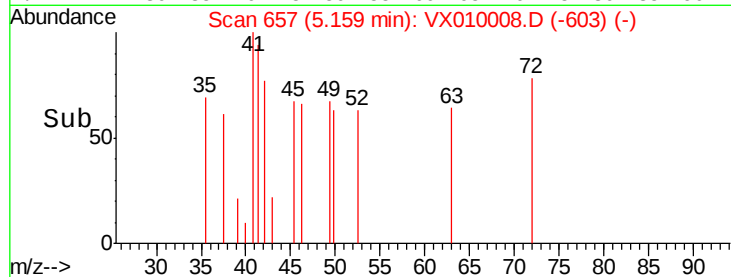
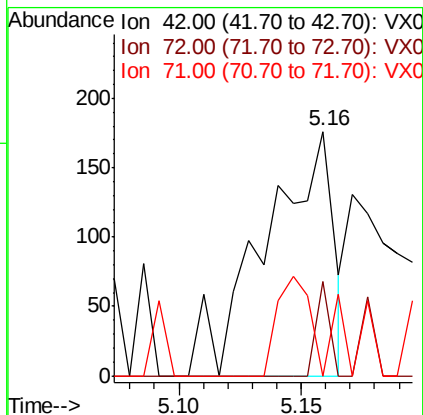
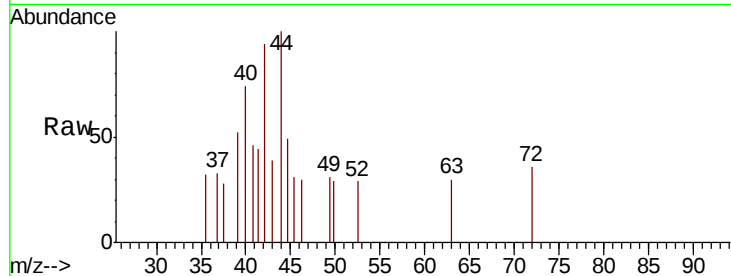




#29
Tetrahydrofuran
Concen: 0.236 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.03 min
Lab File: VX010008.D
Acq: 01 Jun 2019 01:21

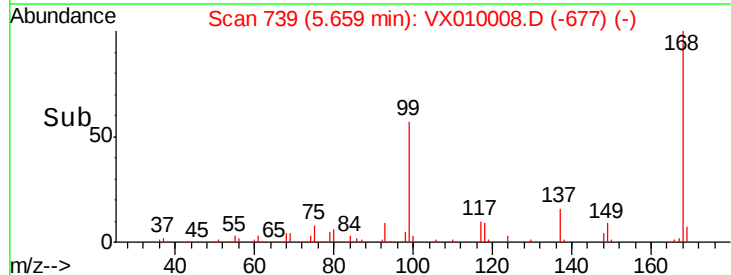
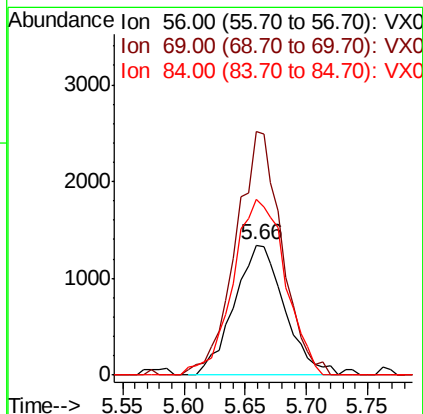
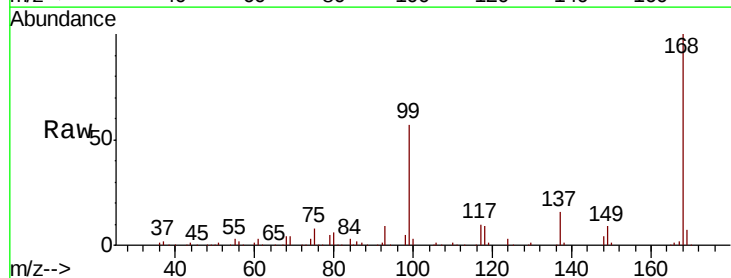
Instrument :
MSVOA_X
ClientSampleID :
S32-0661DL

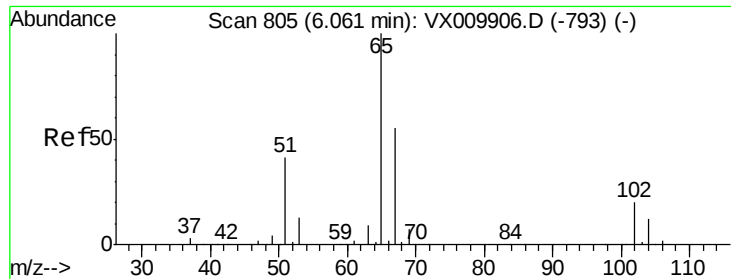
Tot Ion: 42 Resp: 341
Ion Ratio Lower Upper
42 100
72 7.3 29.2 43.8#
71 12.0 27.6 41.4#



#31
Cyclohexane
Concen: 1.007 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010008.D
Acq: 01 Jun 2019 01:21

Tgt Ion: 56 Resp: 3838
Ion Ratio Lower Upper
56 100
69 187.5 21.6 32.4#
84 134.9 56.8 85.2#

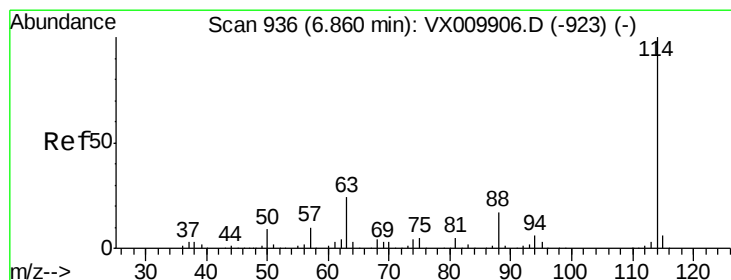
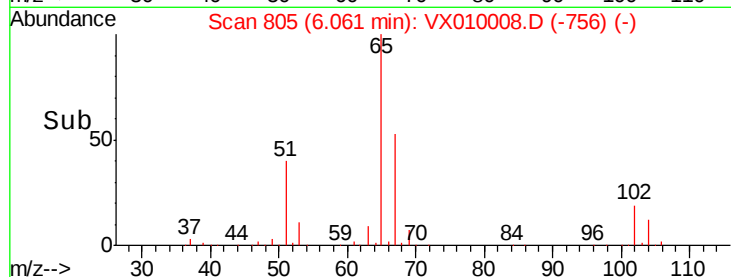
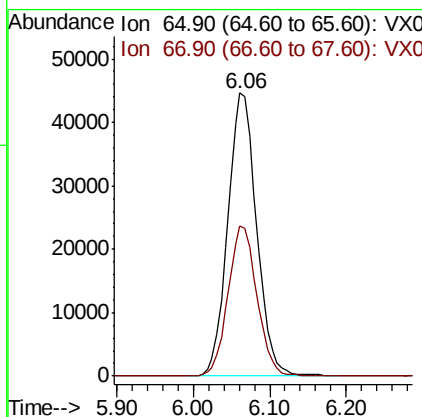
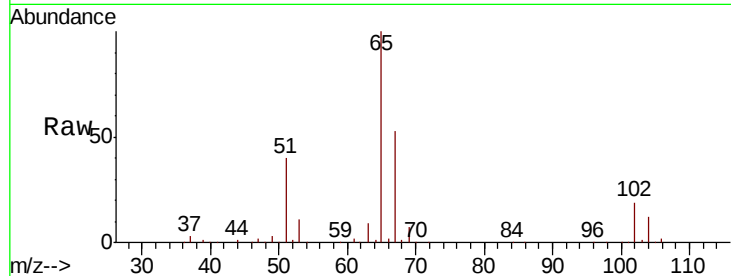




#33
 1,2-Dichloroethane-d4
 Concen: 46.489 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010008.D
 Acq: 01 Jun 2019 01:21

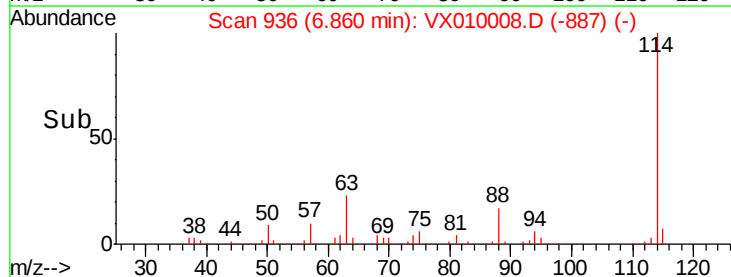
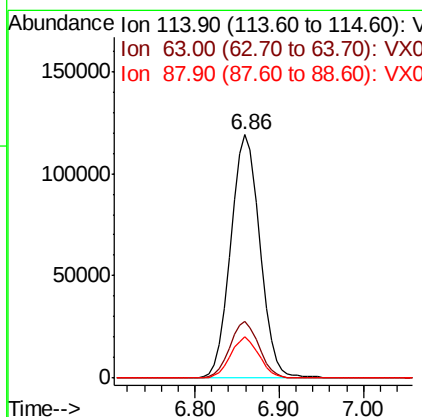
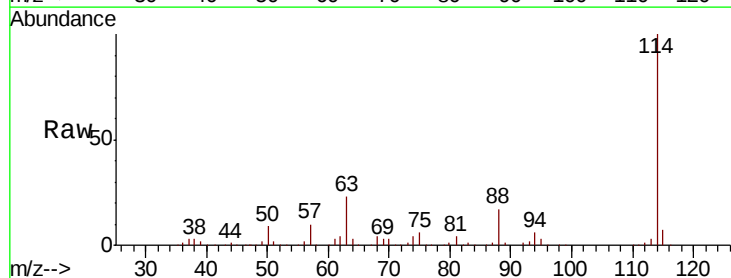
Instrument :
 MSVOA_X
 ClientSampleID :
 S32-0661DL

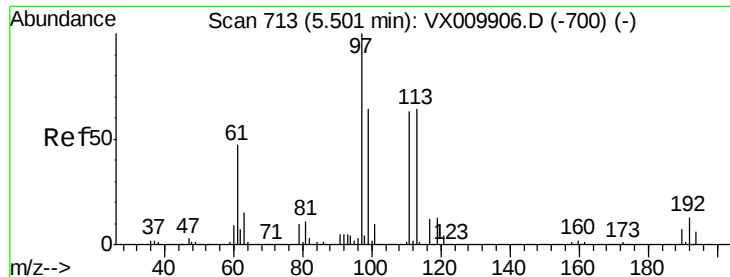
Tot Ion: 65 Resp: 116391
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010008.D
 Acq: 01 Jun 2019 01:21

Tgt Ion: 114 Resp: 279301
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 47.4
 88 16.9 0.0 33.0

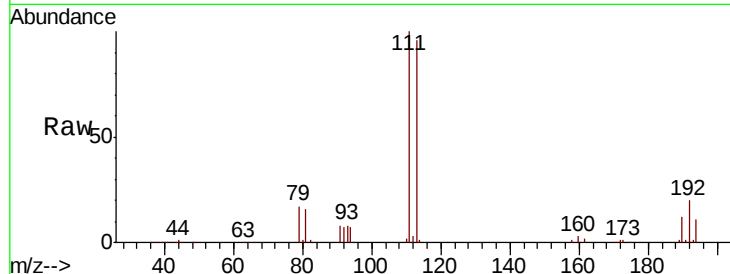




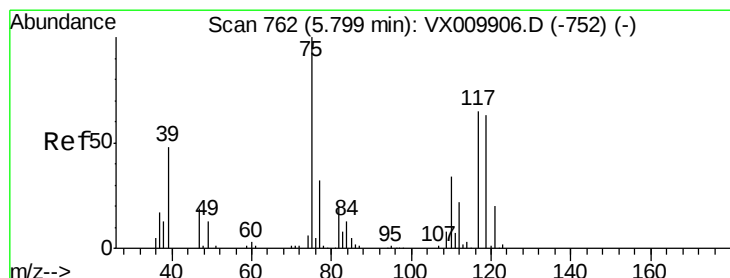
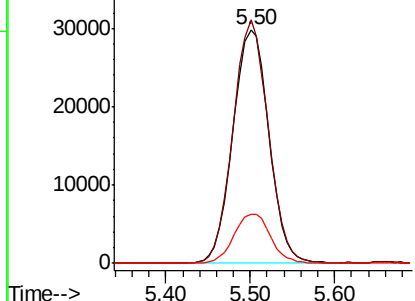
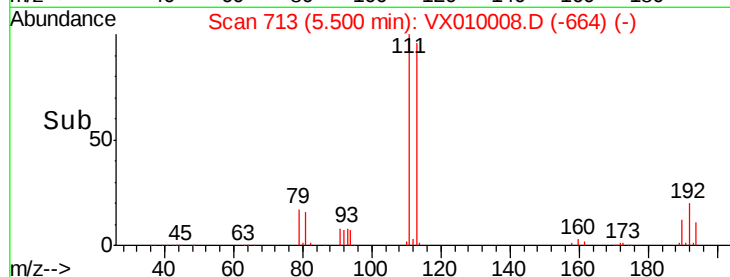
#35
 Dibromofluoromethane
 Concen: 49.384 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010008.D
 Acq: 01 Jun 2019 01:21

Instrument :
 MSVOA_X
 ClientSampleID :
 S32-0661DL

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.2	123.2
192	21.4	17.1	25.7

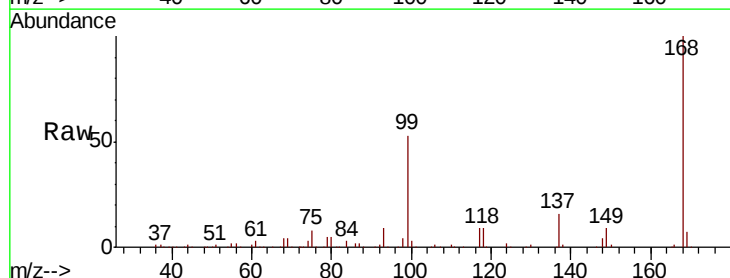


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

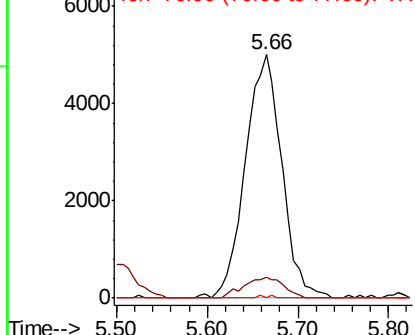
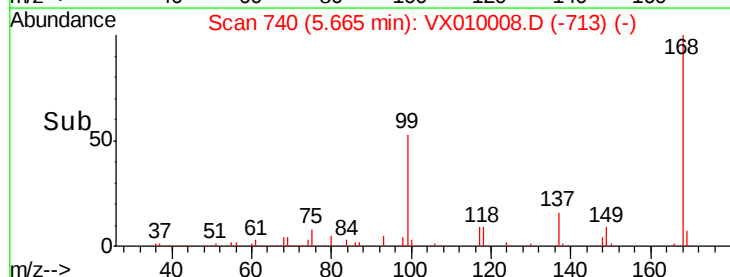


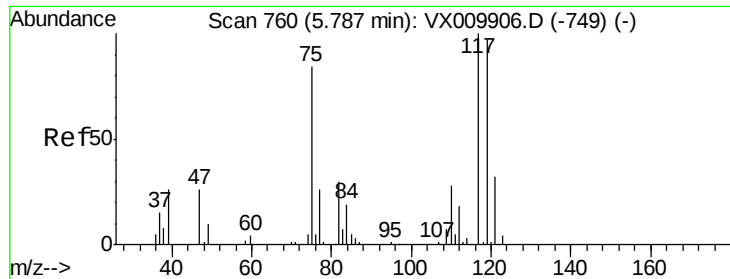
#36
 1,1-Dichloropropene
 Concen: 4.906 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010008.D
 Acq: 01 Jun 2019 01:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.7	50.1#
77	0.1	25.0	37.4#



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





#38

Carbon Tetrachloride

Concen: 6.677 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010008.D

Acq: 01 Jun 2019 01:21

Instrument :

MSVOA_X

ClientSampled :

S32-0661DL

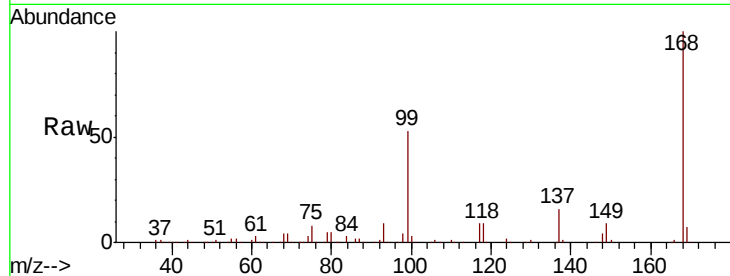
Tot Ion:117 Resp: 16351

Ion Ratio Lower Upper

117 100

119 3.8 77.3 115.9#

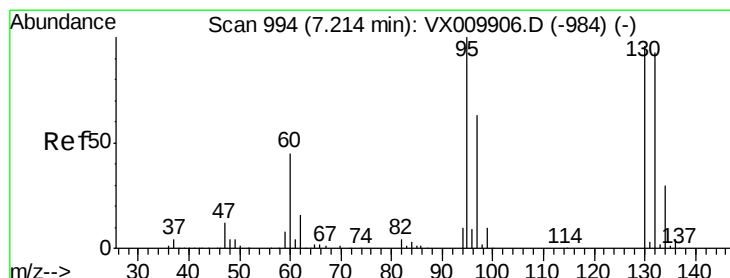
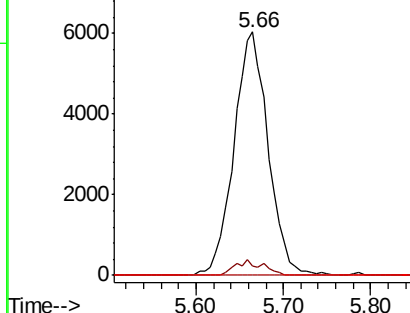
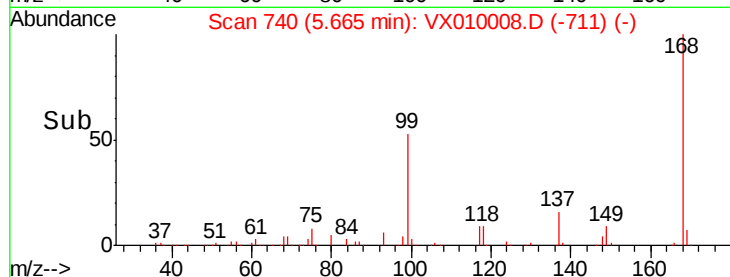
121 0.0 25.4 38.0#



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



#44

Trichloroethene

Concen: 1.147 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010008.D

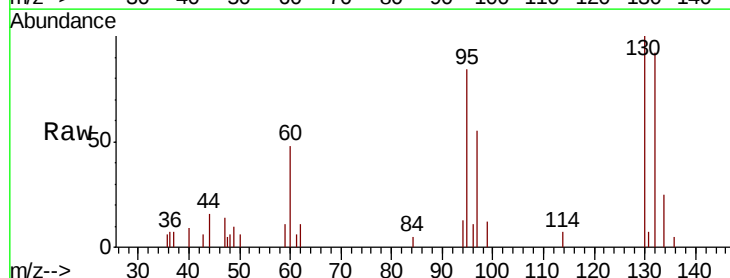
Acq: 01 Jun 2019 01:21

Tgt Ion:130 Resp: 2343

Ion Ratio Lower Upper

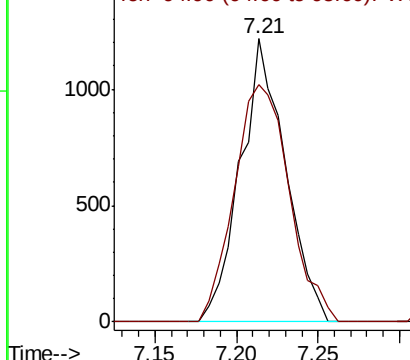
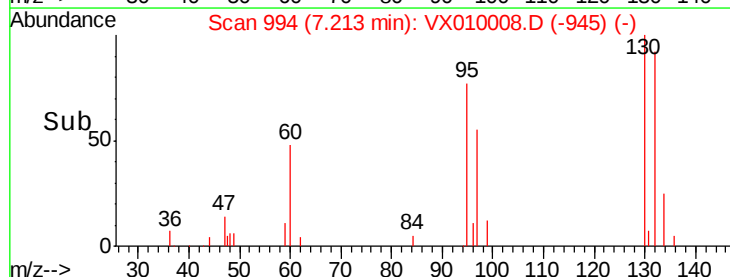
130 100

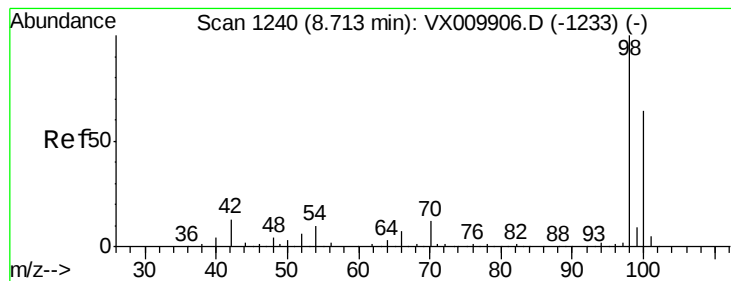
95 84.0 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.854 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010008.D

Acq: 01 Jun 2019 01:21

Instrument :

MSVOA_X

ClientSampled :

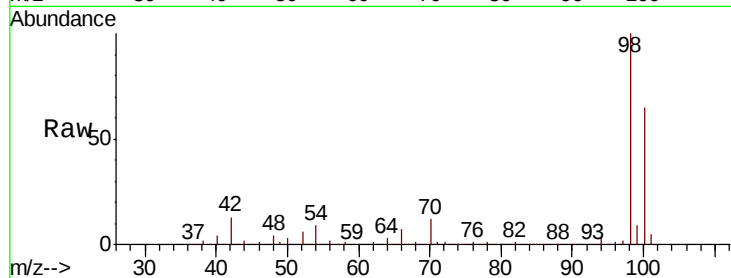
S32-0661DL

Tot Ion: 98 Resp: 355492

Ion Ratio Lower Upper

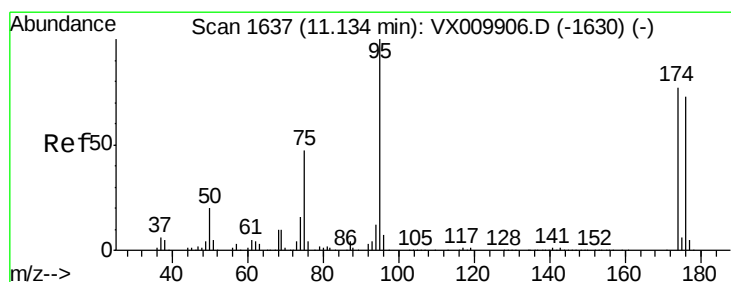
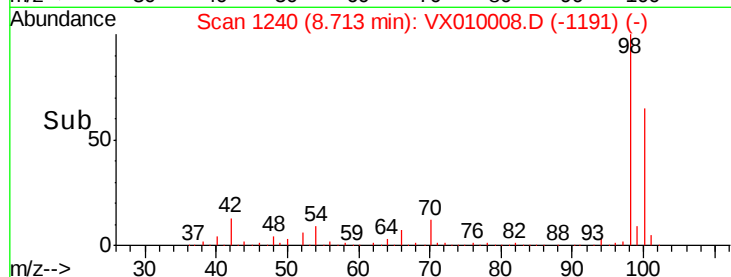
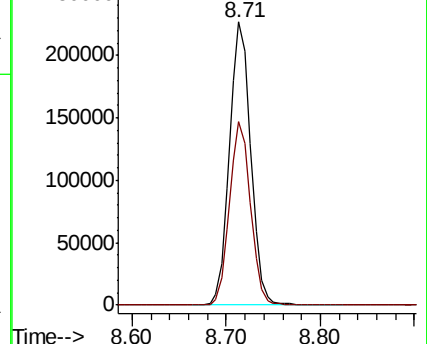
98 100

100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 46.871 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010008.D

Acq: 01 Jun 2019 01:21

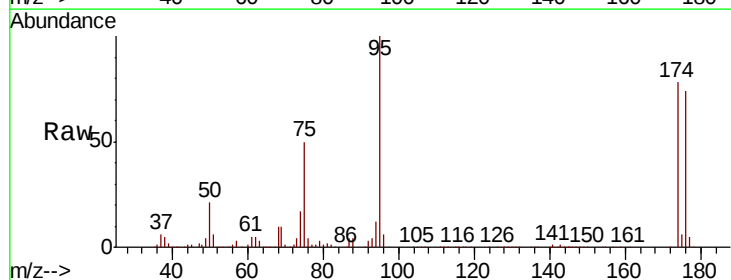
Tgt Ion: 95 Resp: 120046

Ion Ratio Lower Upper

95 100

174 83.1 0.0 160.4

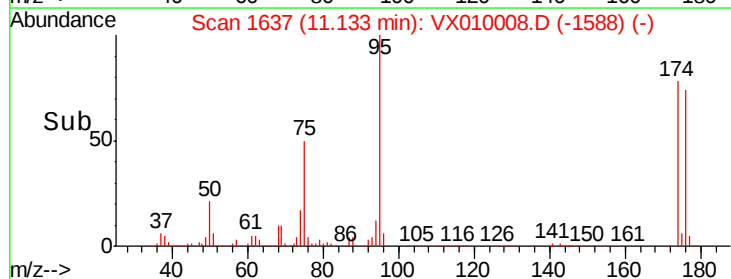
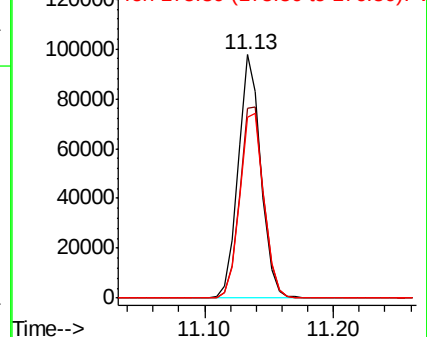
176 80.5 0.0 154.6

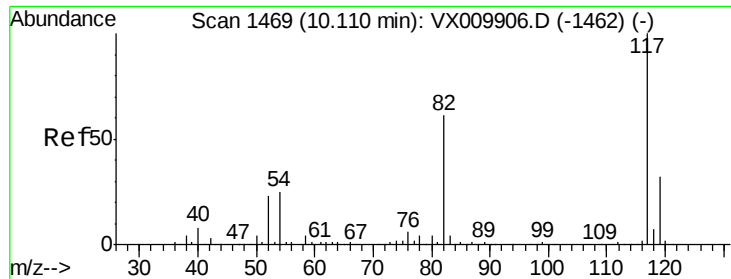


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

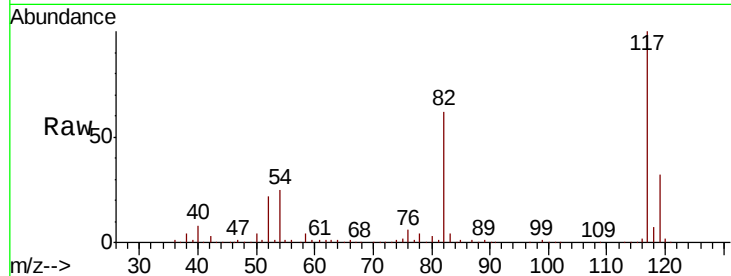




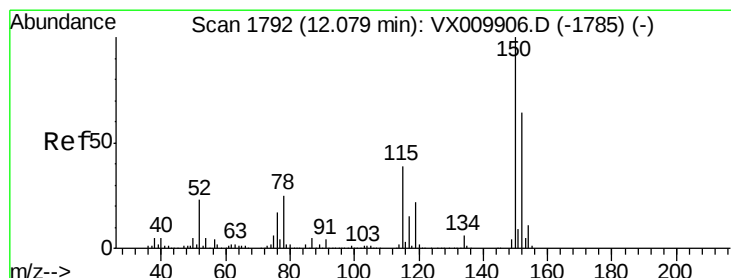
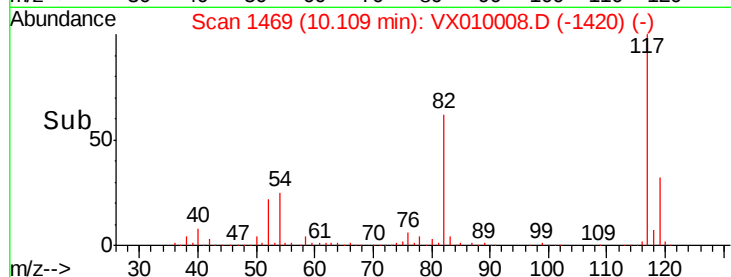
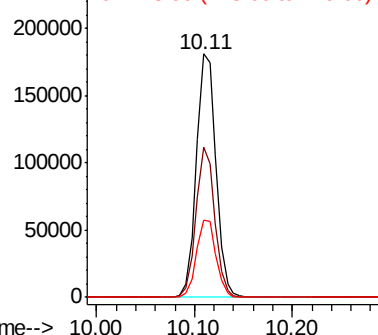
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010008.D
Acq: 01 Jun 2019 01:21

Instrument :
MSVOA_X
ClientSampleID :
S32-0661DL

Tot Ion:117 Resp: 252221
Ion Ratio Lower Upper
117 100
82 61.6 49.2 73.8
119 31.6 25.2 37.8

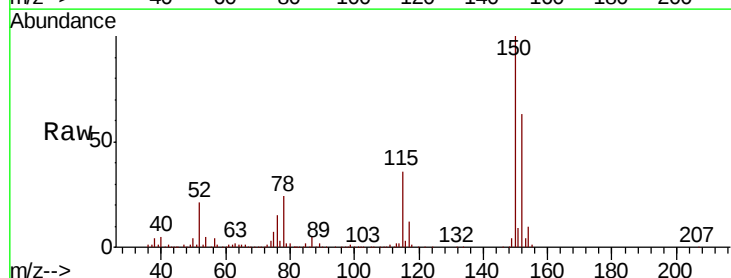


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

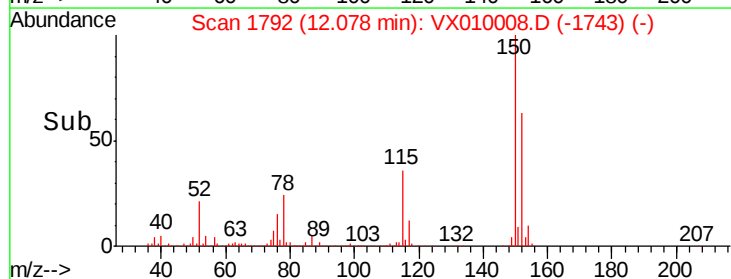
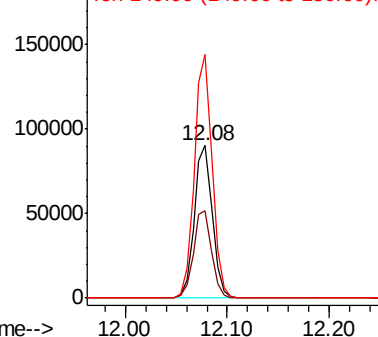


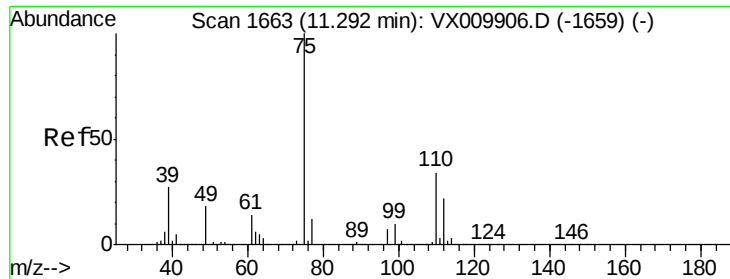
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010008.D
Acq: 01 Jun 2019 01:21

Tgt Ion:152 Resp: 111544
Ion Ratio Lower Upper
152 100
115 57.7 41.4 124.2
150 158.0 0.0 345.2



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

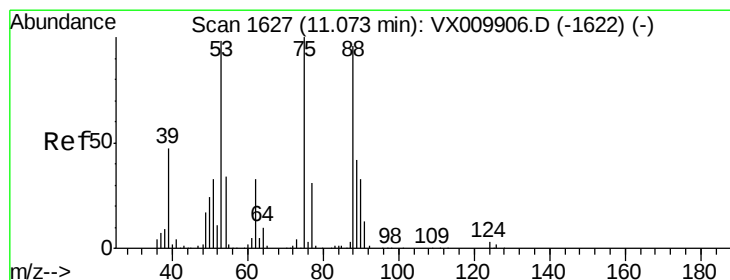
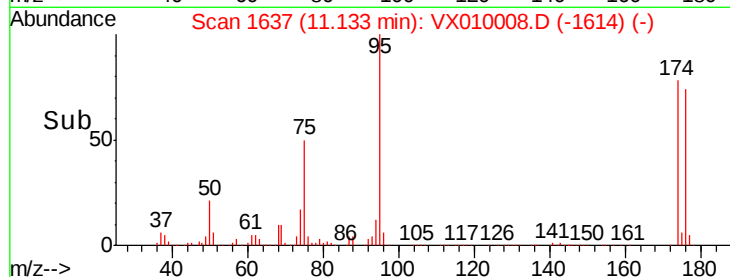
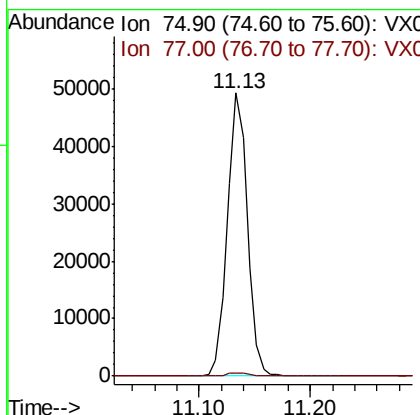
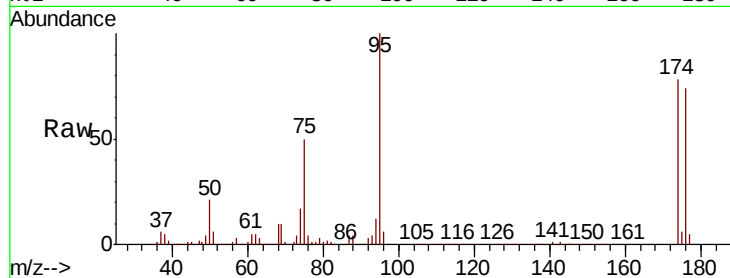




#76
 1,2,3-Trichloropropane
 Concen: 23.023 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010008.D
 Acq: 01 Jun 2019 01:21

Instrument :
 MSVOA_X
 ClientSampled :
 S32-0661DL

Tot Ion: 75 Resp: 61411
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.963 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010008.D
 Acq: 01 Jun 2019 01:21

Tgt Ion: 75 Resp: 61411
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.8 119.6#
 89 0.0 34.2 51.4#

