

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011819\
 Data File : VX007145.D
 Acq On : 18 Jan 2019 19:48
 Operator : JC/SP
 Sample : K1199-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW520-2327

Quant Time: Jan 18 21:54:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	532892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	839429	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	786110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	385576	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	286950	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
35) Dibromofluoromethane	5.51	113	257106	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
50) Toluene-d8	8.71	98	997337	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.13	95	354354	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	

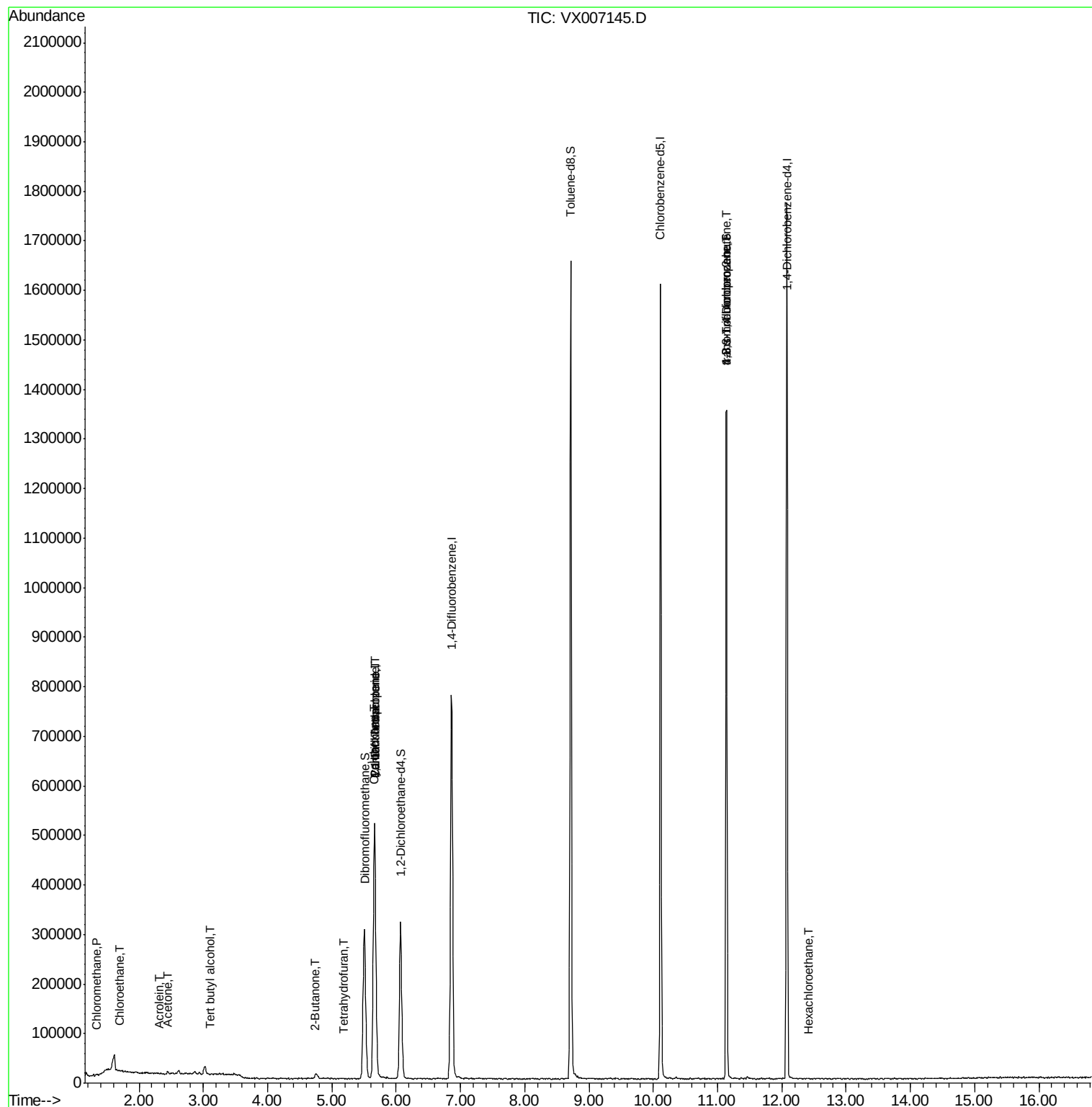
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.34	50	1027	0.202	ug/l #	85
6) Chloroethane	1.70	64	1656	0.433	ug/l #	67
11) Tert butyl alcohol	3.10	59	363	0.276	ug/l #	1
13) Acrolein	2.32	56	261	3.539	ug/l #	16
16) Acetone	2.45	43	5151	1.871	ug/l #	82
20) Methylene Chloride	2.87	84	2246	Below Cal	#	72
25) 2-Butanone	4.73	43	849	0.216	ug/l #	54
29) Tetrahydrofuran	5.18	42	652	0.255	ug/l #	67
31) Cyclohexane	5.65	56	9441	1.202	ug/l #	3
36) 1,1-Dichloropropene	5.67	75	35098	4.809	ug/l #	49
38) Carbon Tetrachloride	5.66	117	48239	6.570	ug/l #	14
49) 1,4-Dioxane	7.74	88	197	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.13	75	172402	22.065	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	172402	65.333	ug/l #	10
90) Hexachloroethane	12.43	117	88	2.930	ug/l	66

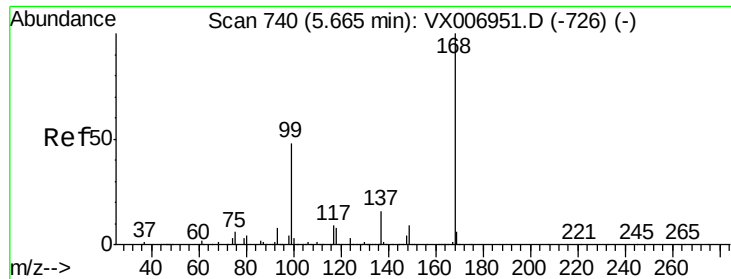
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007145.D

Acq: 18 Jan 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

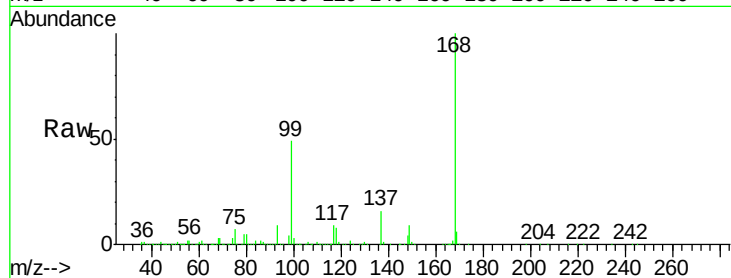
SA-TW520-2327

Tot Ion:168 Resp: 532892

Ion Ratio Lower Upper

168 100

99 49.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

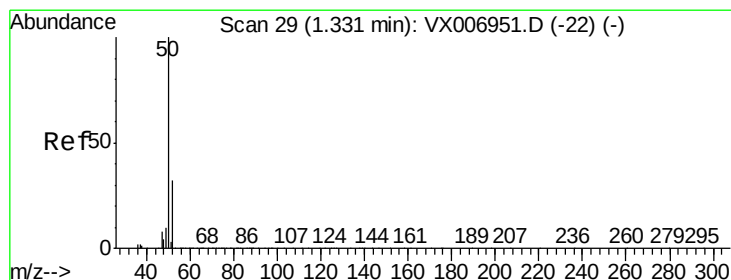
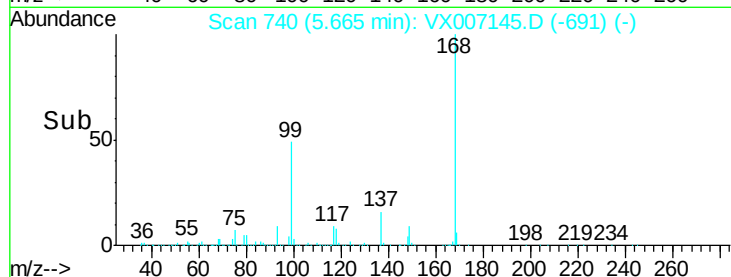
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.202 ug/l

RT: 1.34 min Scan# 30

Delta R.T. 0.01 min

Lab File: VX007145.D

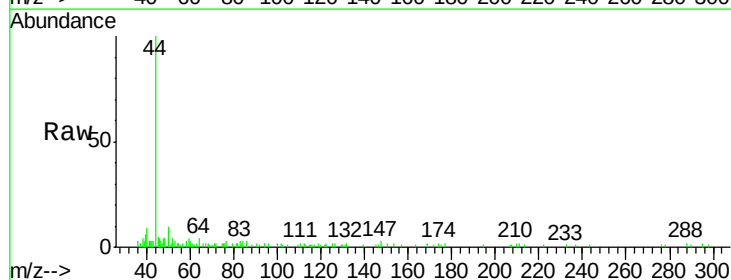
Acq: 18 Jan 2019 19:48

Tgt Ion: 50 Resp: 1027

Ion Ratio Lower Upper

50 100

52 40.3 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.34

600

500

400

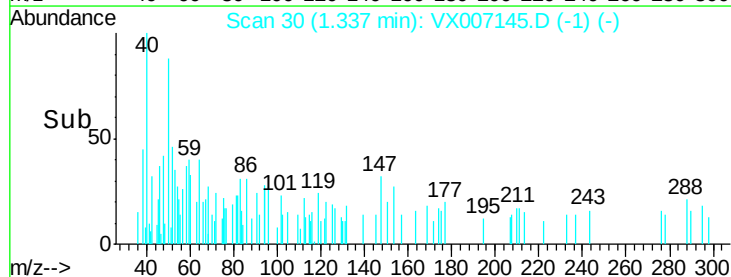
300

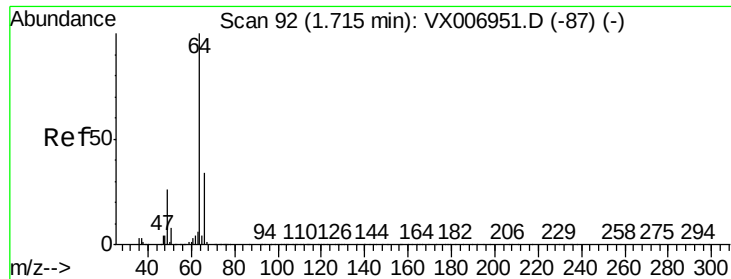
200

100

0

Time--> 1.30 1.35





#6

Chloroethane

Concen: 0.433 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX007145.D

Acq: 18 Jan 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

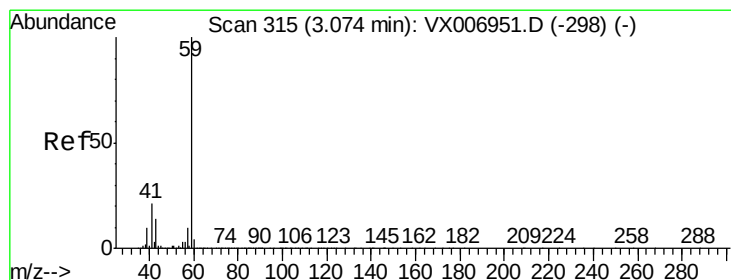
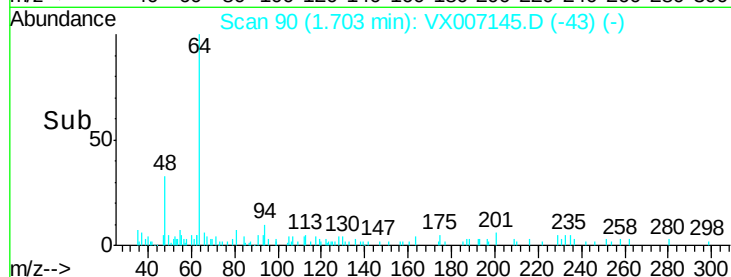
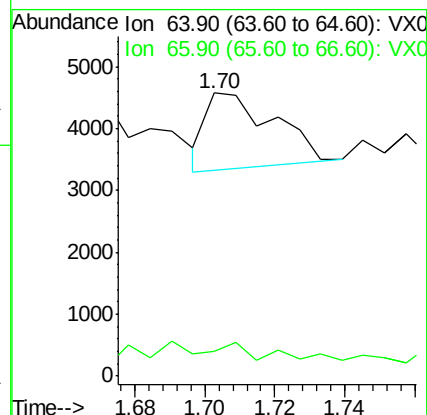
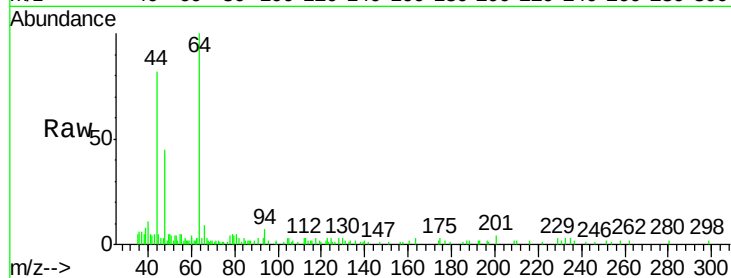
SA-TW520-2327

Tot Ion: 64 Resp: 1656

Ion Ratio Lower Upper

64 100

66 14.2 26.4 39.6#



#11

Tert butyl alcohol

Concen: 0.276 ug/l

RT: 3.10 min Scan# 320

Delta R.T. 0.03 min

Lab File: VX007145.D

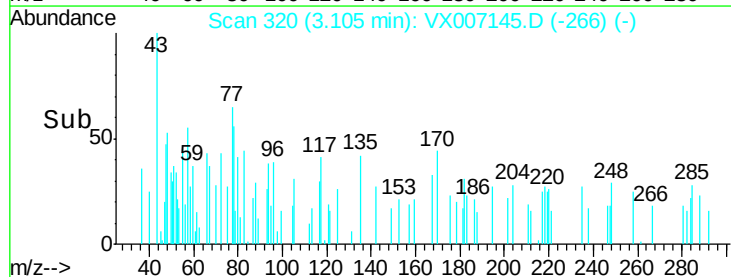
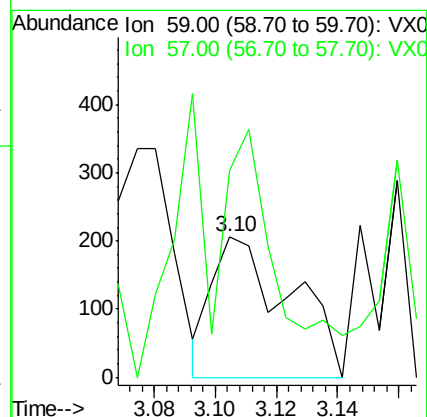
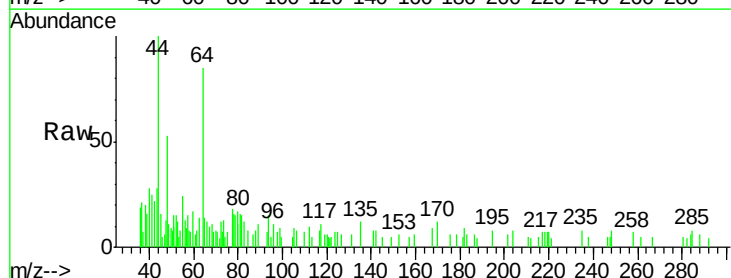
Acq: 18 Jan 2019 19:48

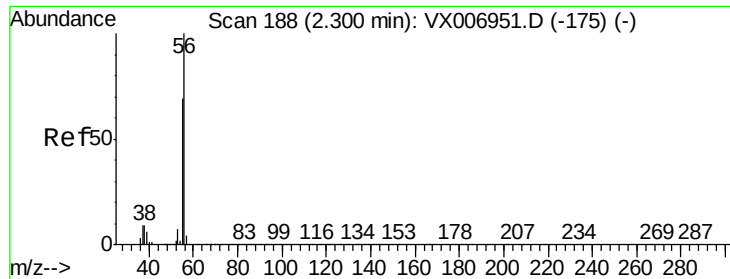
Tgt Ion: 59 Resp: 363

Ion Ratio Lower Upper

59 100

57 76.3 8.5 12.7#

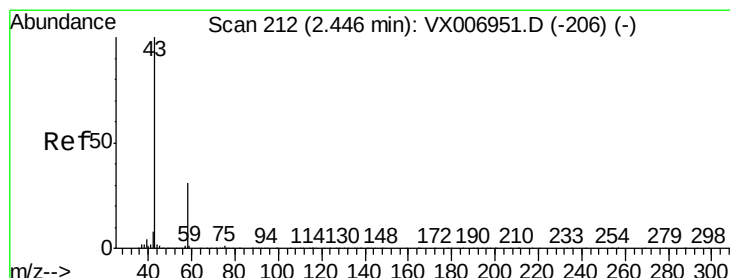
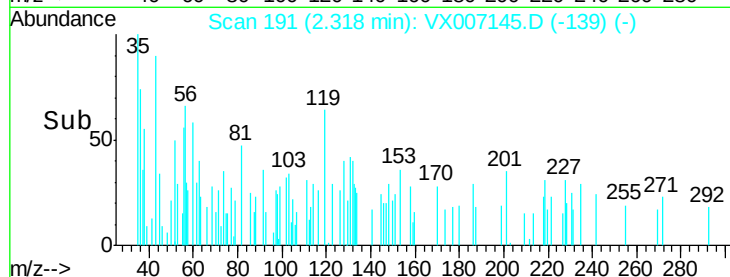
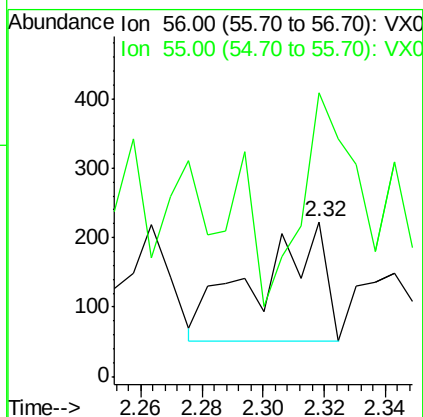
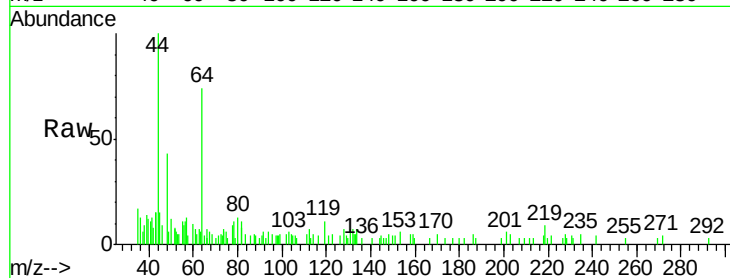




#13
Acrolein
Concen: 3.539 ug/l
RT: 2.32 min Scan# 191
Delta R.T. 0.02 min
Lab File: VX007145.D
Acq: 18 Jan 2019 19:48

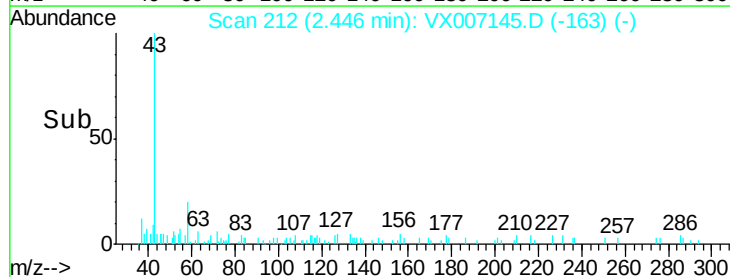
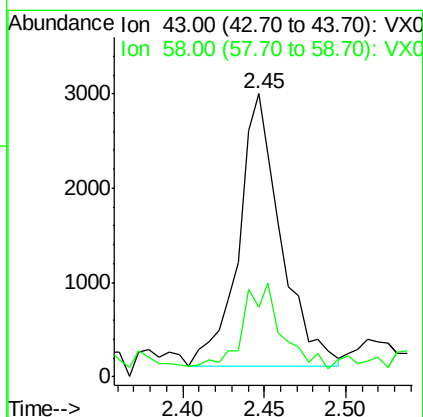
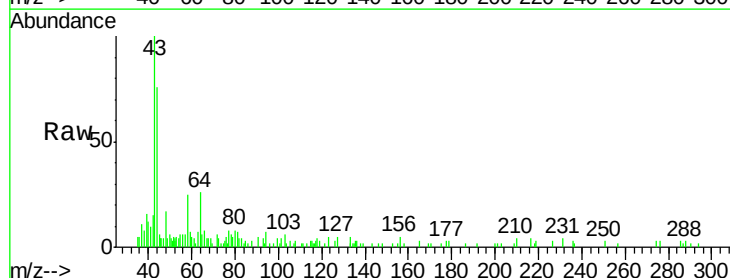
Instrument :
MSVOA_X
ClientSampleId :
SA-TW520-2327

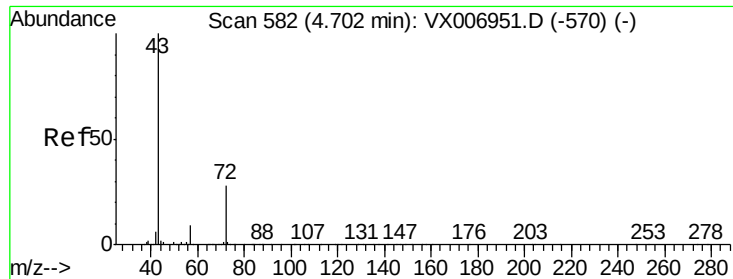
Tot Ion: 56 Resp: 261
Ion Ratio Lower Upper
56 100
55 142.9 58.2 87.4#



#16
Acetone
Concen: 1.871 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007145.D
Acq: 18 Jan 2019 19:48

Tgt Ion: 43 Resp: 5151
Ion Ratio Lower Upper
43 100
58 21.6 25.0 37.6#





#25

2-Butanone

Concen: 0.216 ug/l

RT: 4.73 min Scan# 587

Delta R.T. 0.03 min

Lab File: VX007145.D

Acq: 18 Jan 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

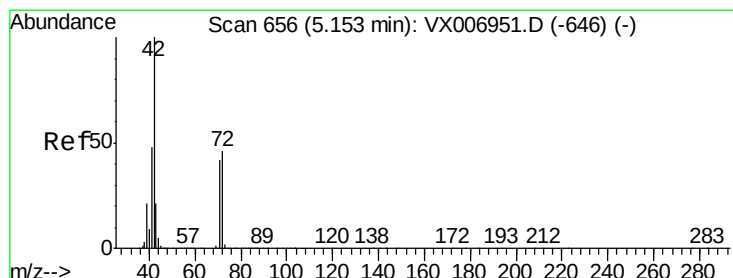
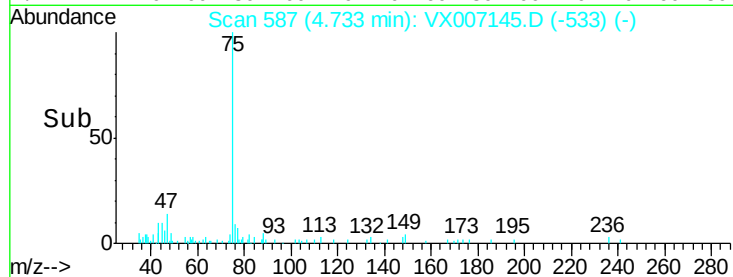
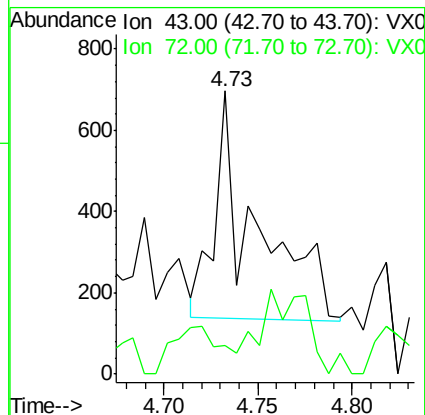
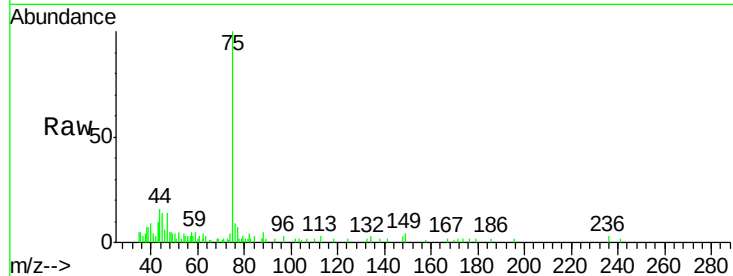
SA-TW520-2327

Tot Ion: 43 Resp: 849

Ion Ratio Lower Upper

43 100

72 3.8 22.4 33.6#



#29

Tetrahydrofuran

Concen: 0.255 ug/l

RT: 5.18 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX007145.D

Acq: 18 Jan 2019 19:48

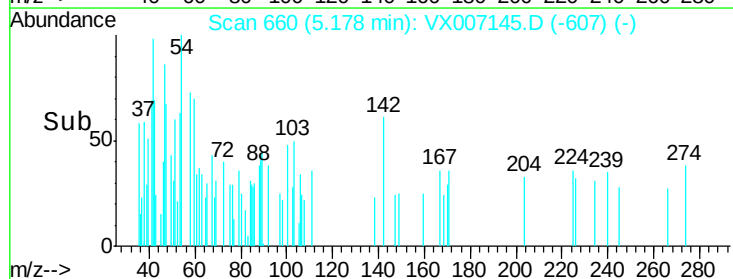
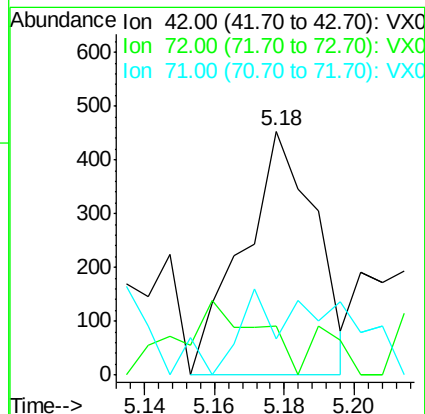
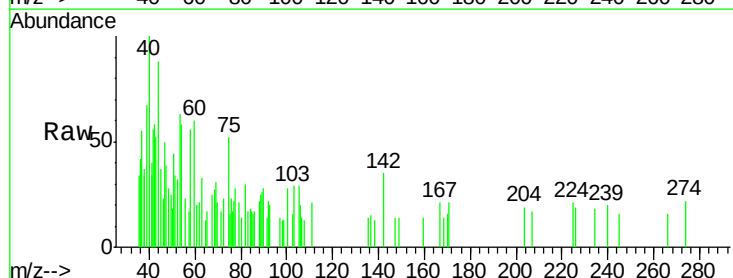
Tgt Ion: 42 Resp: 652

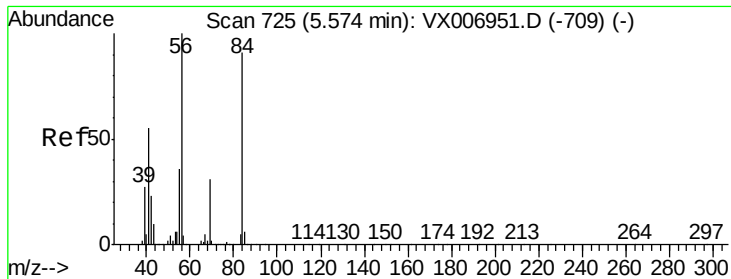
Ion Ratio Lower Upper

42 100

72 33.1 38.9 58.3#

71 15.8 36.2 54.4#

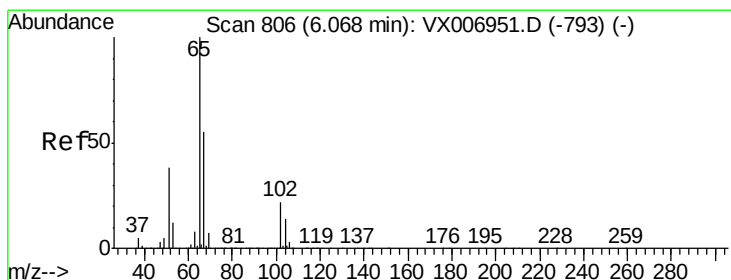
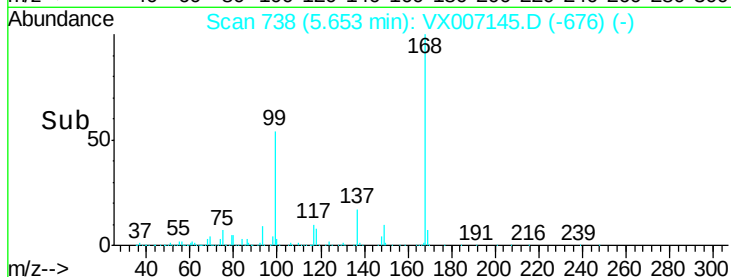
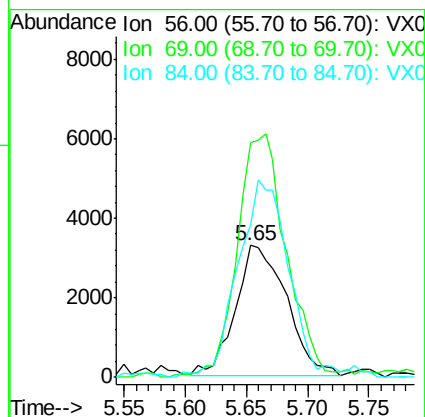
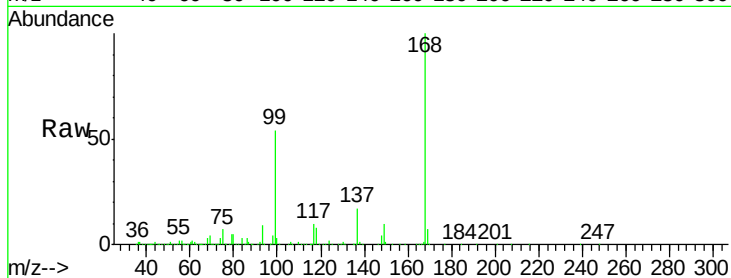




#31
Cyclohexane
Concen: 1.202 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX007145.D
Acq: 18 Jan 2019 19:48

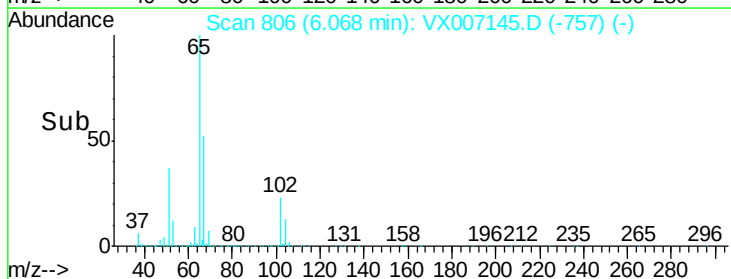
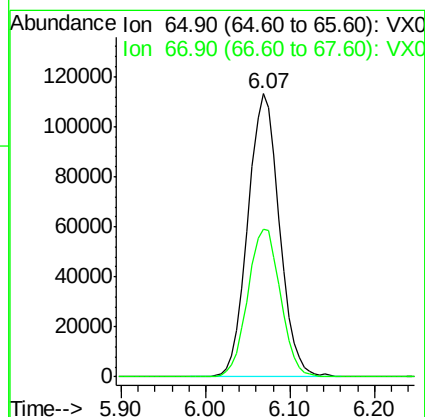
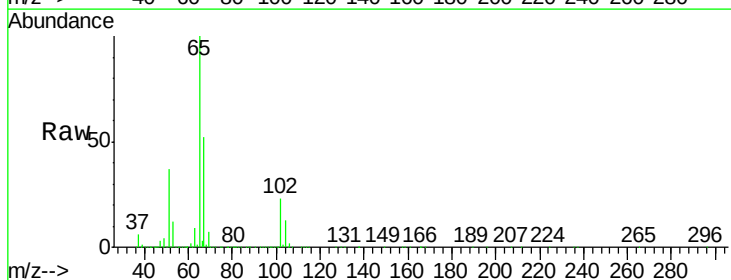
Instrument :
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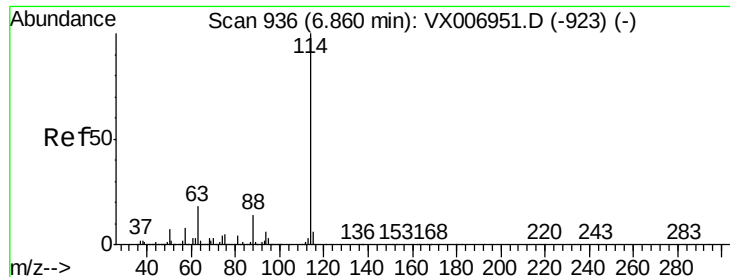
Tot Ion: 56 Resp: 9441
Ion Ratio Lower Upper
56 100
69 182.6 24.4 36.6#
84 118.3 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 51.525 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007145.D
Acq: 18 Jan 2019 19:48

Tgt Ion: 65 Resp: 286950
Ion Ratio Lower Upper
65 100
67 54.5 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007145.D

Acq: 18 Jan 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

SA-TW520-2327

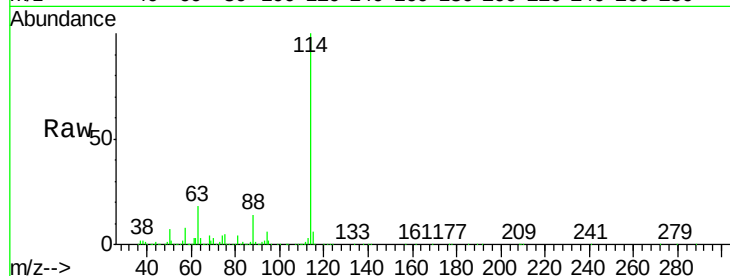
Tot Ion:114 Resp: 839429

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

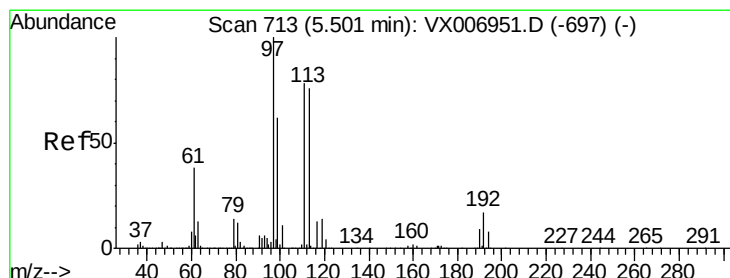
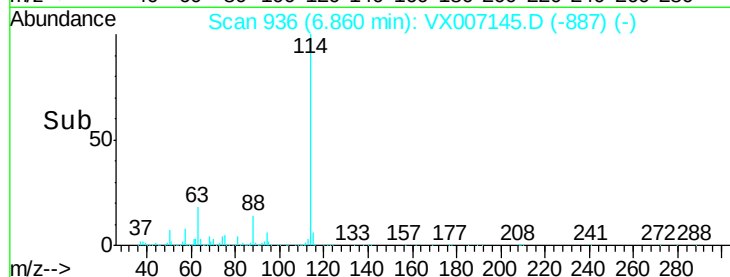
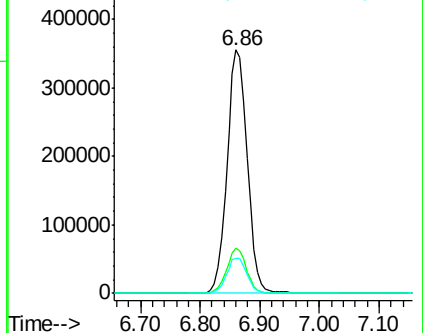
88 14.3 0.0 28.8



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: 47.828 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007145.D

Acq: 18 Jan 2019 19:48

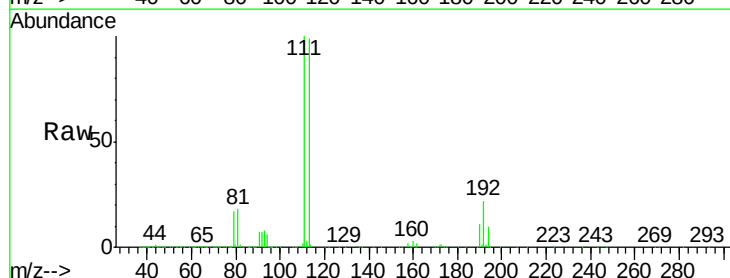
Tgt Ion:113 Resp: 257106

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

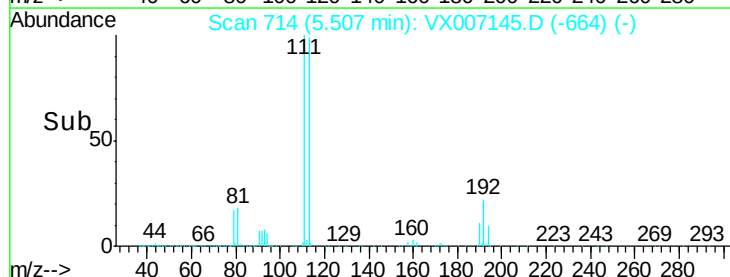
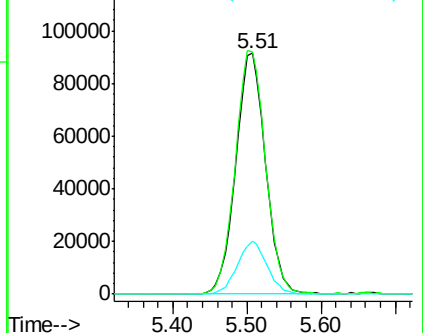
192 21.8 16.7 25.1

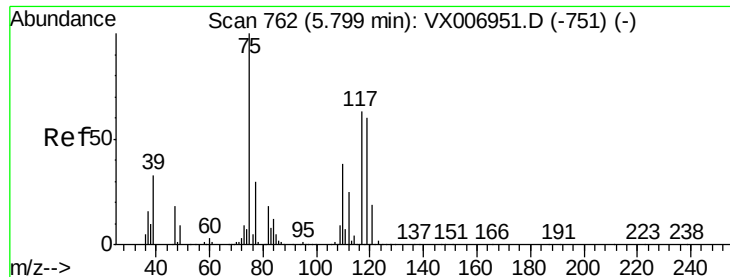


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.809 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007145.D

Acq: 18 Jan 2019 19:48

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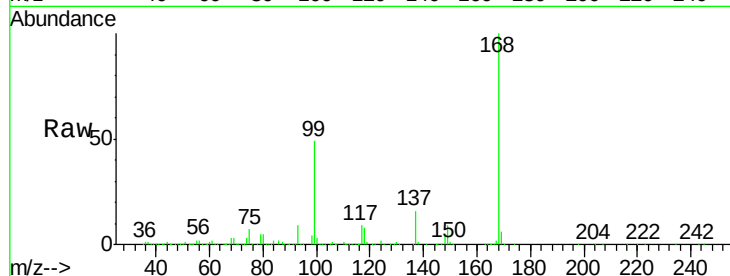
Tot Ion: 75 Resp: 35098

Ion Ratio Lower Upper

75 100

110 11.2 20.2 60.5#

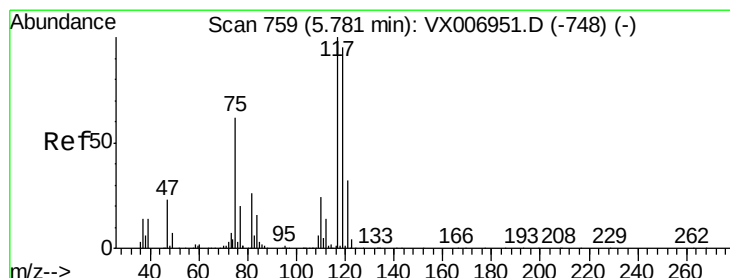
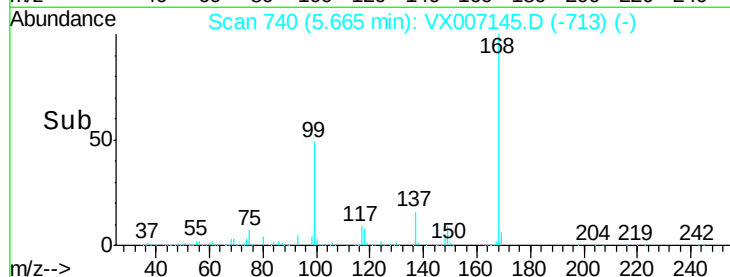
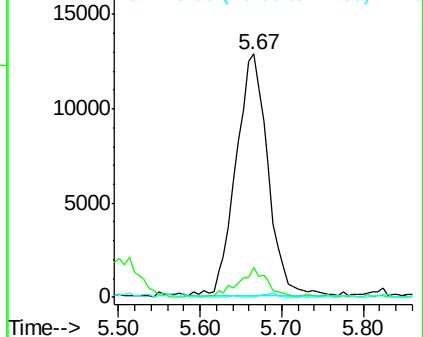
77 0.0 24.8 37.2#



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: 6.570 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007145.D

Acq: 18 Jan 2019 19:48

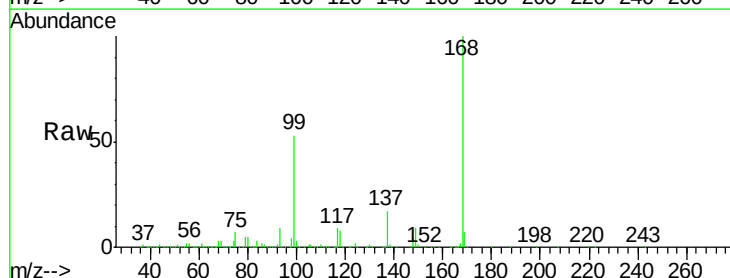
Tgt Ion: 117 Resp: 48239

Ion Ratio Lower Upper

117 100

119 3.8 79.4 119.2#

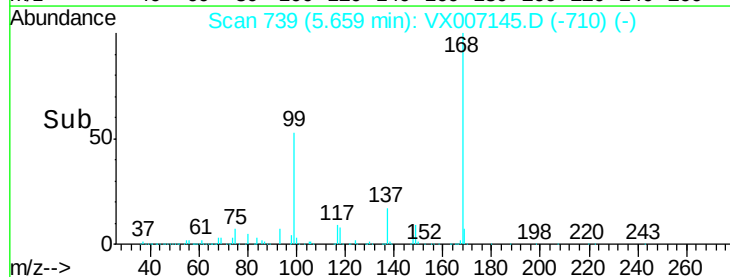
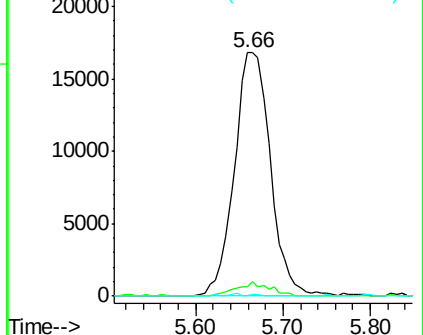
121 0.3 24.0 36.0#

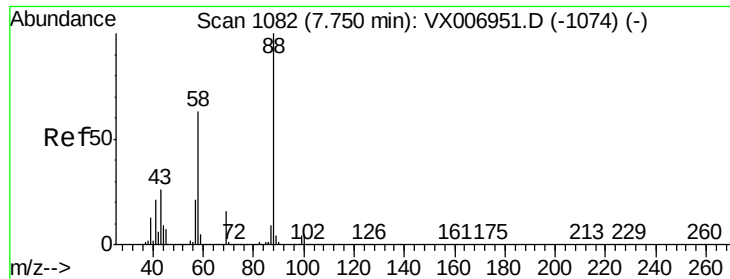


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

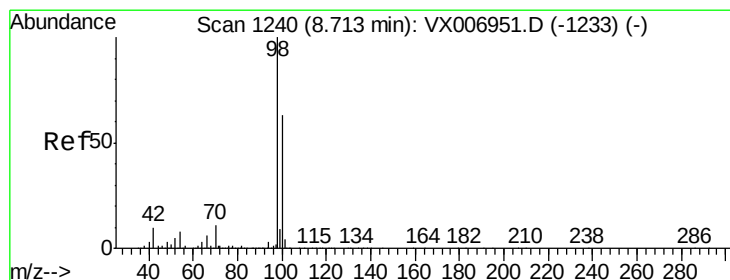
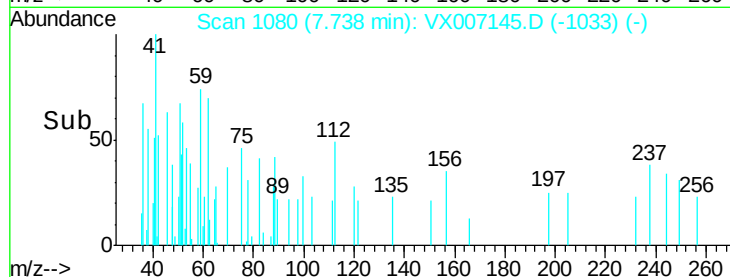
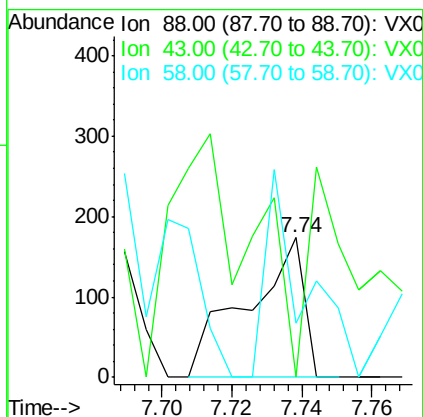
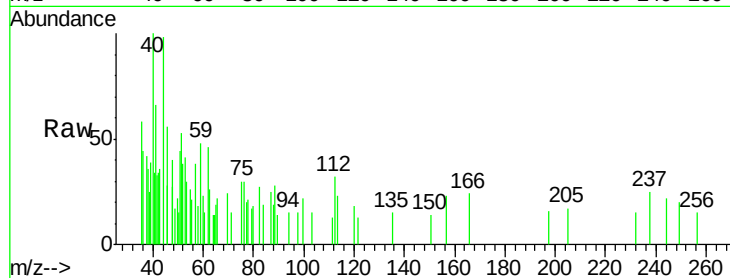




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX007145.D
Acq: 18 Jan 2019 19:48

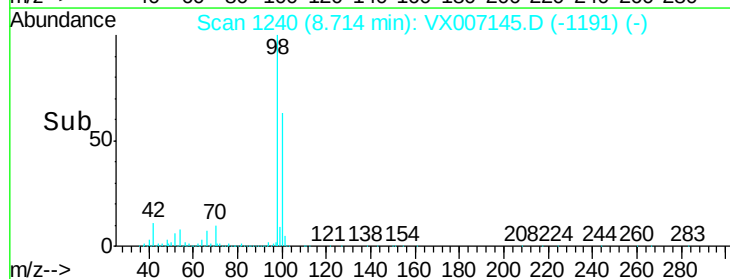
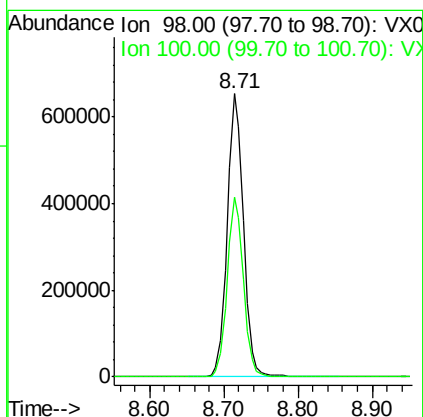
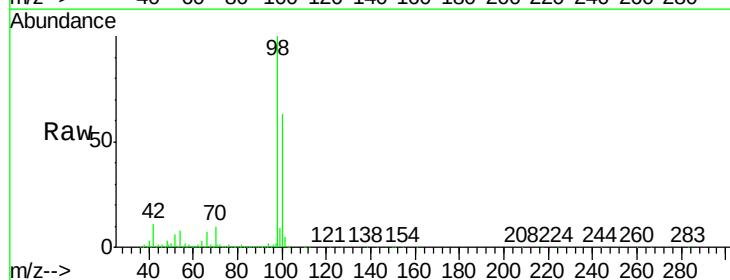
Instrument :
MSVOA_X
ClientSampleId :
SA-TW520-2327

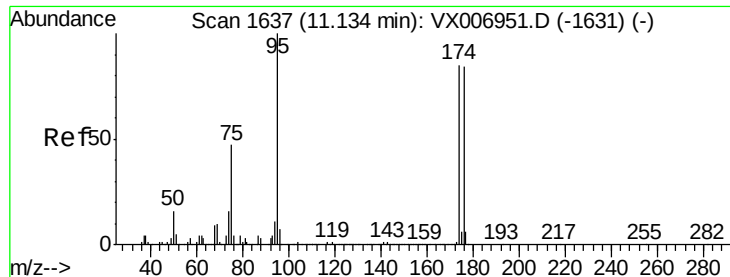
Tot Ion: 88 Resp: 197
Ion Ratio Lower Upper
88 100
43 144.2 22.2 33.4#
58 99.0 51.0 76.4#



#50
Toluene-d8
Concen: 50.687 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007145.D
Acq: 18 Jan 2019 19:48

Tgt Ion: 98 Resp: 997337
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 51.657 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007145.D

Acq: 18 Jan 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

SA-TW520-2327

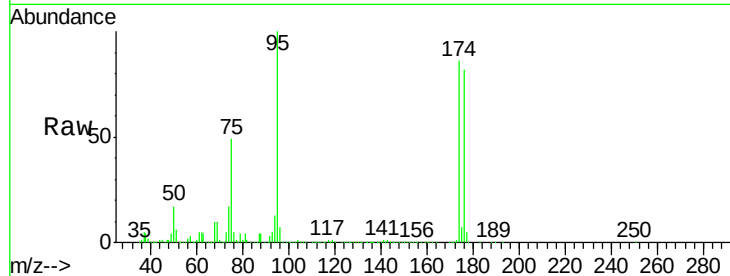
Tot Ion: 95 Resp: 354354

Ion Ratio Lower Upper

95 100

174 92.1 0.0 182.2

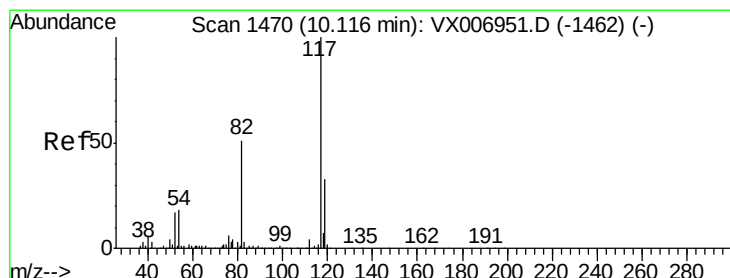
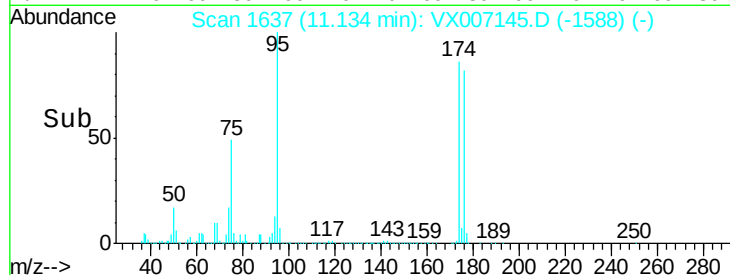
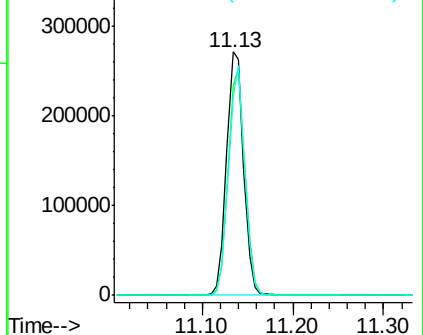
176 89.5 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007145.D

Acq: 18 Jan 2019 19:48

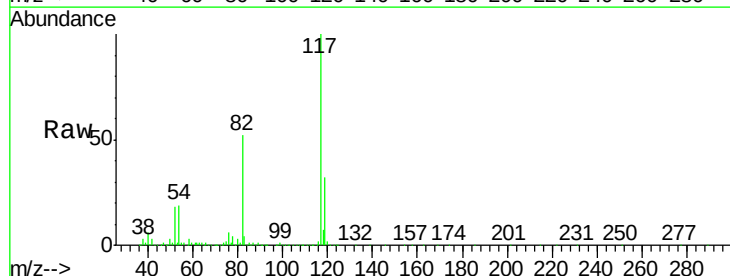
Tgt Ion: 117 Resp: 786110

Ion Ratio Lower Upper

117 100

82 51.8 41.0 61.6

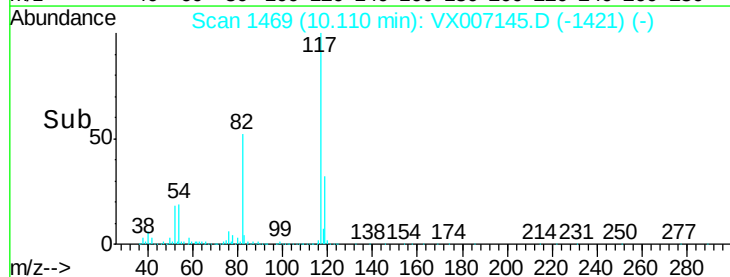
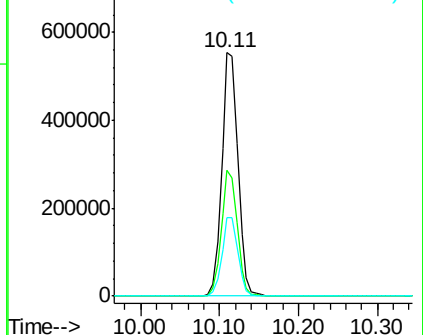
119 32.5 25.4 38.0

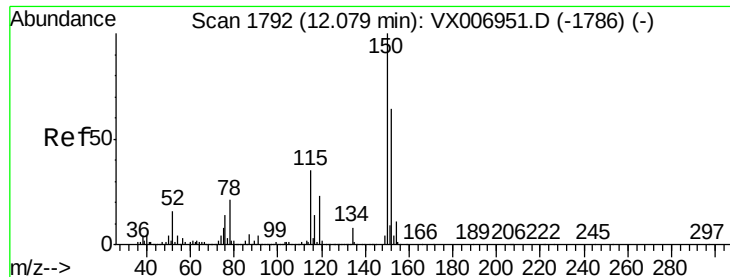


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX007145.D

Acq: 18 Jan 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

SA-TW520-2327

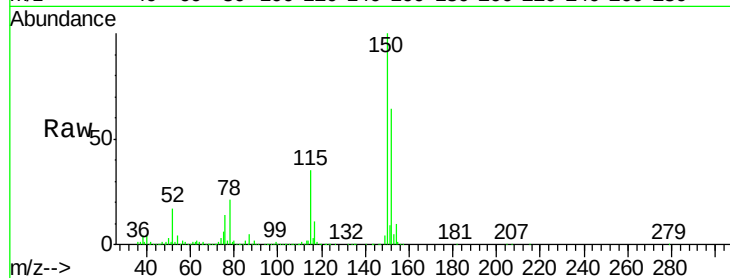
Tot Ion:152 Resp: 385576

Ion Ratio Lower Upper

152 100

115 54.4 39.1 117.2

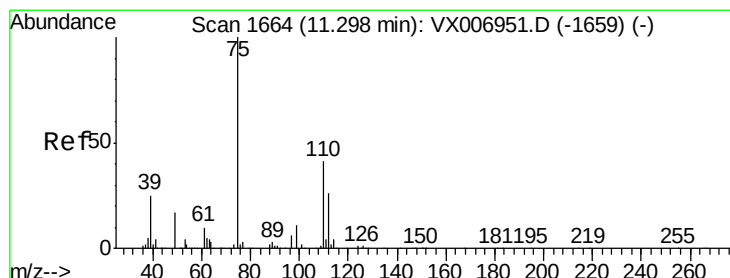
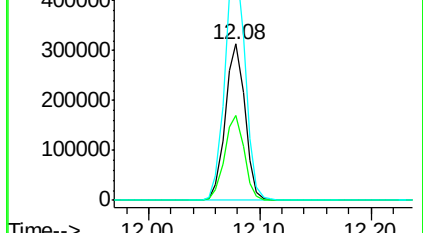
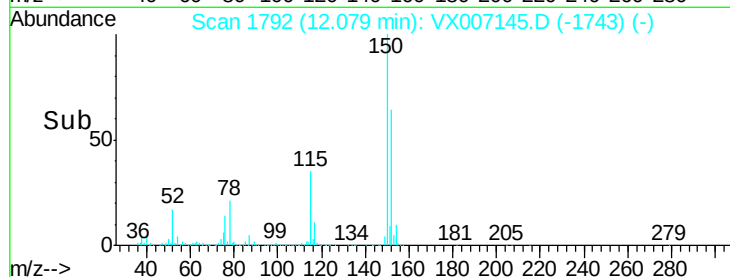
150 155.5 0.0 344.8



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: 22.065 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007145.D

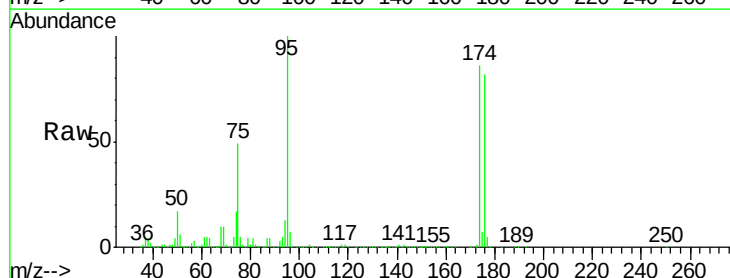
Acq: 18 Jan 2019 19:48

Tgt Ion: 75 Resp: 172402

Ion Ratio Lower Upper

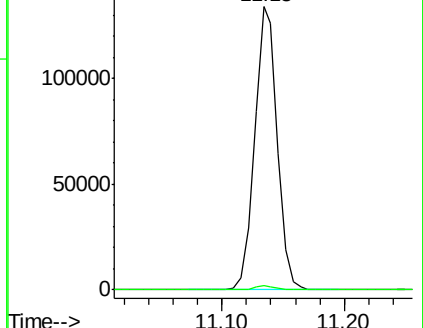
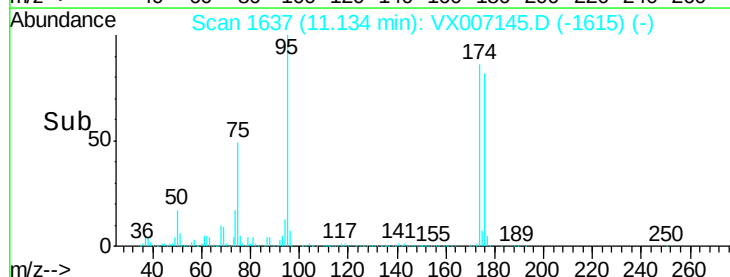
75 100

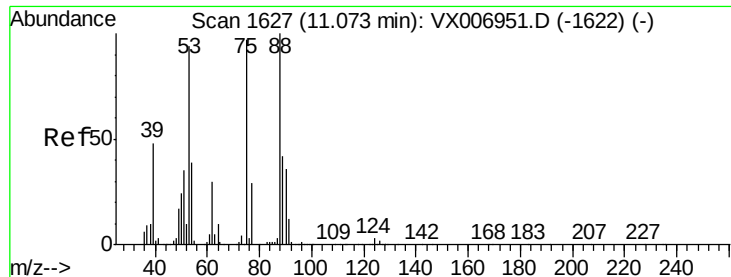
77 1.5 18.5 55.5#



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: 65.333 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007145.D

Acq: 18 Jan 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

SA-TW520-2327

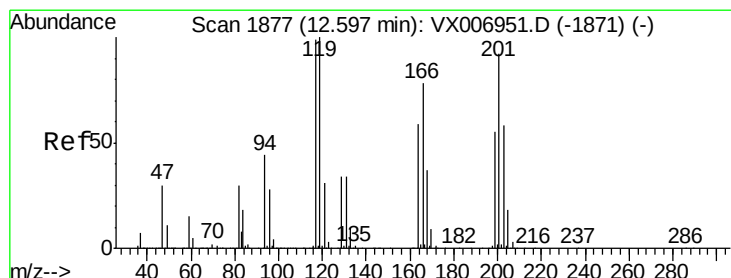
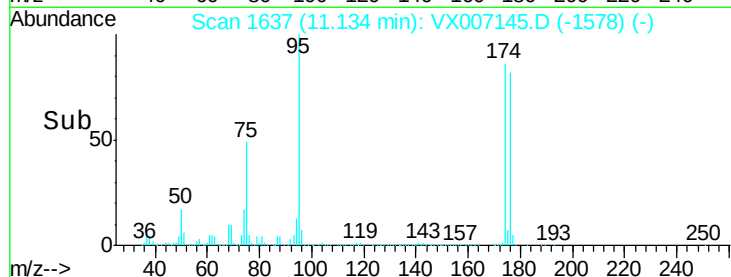
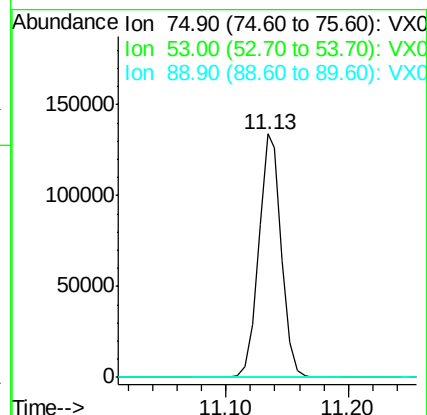
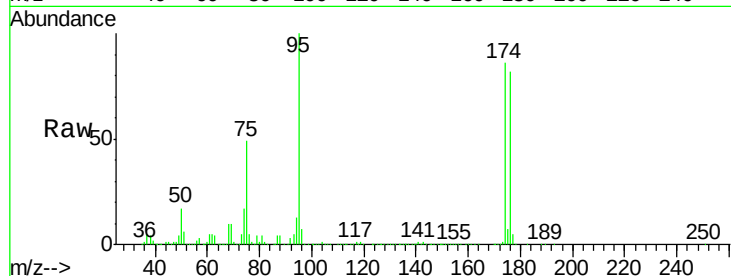
Tot Ion: 75 Resp: 172402

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.1 38.0 57.0#



#90

Hexachloroethane

Concen: 2.930 ug/l

RT: 12.43 min Scan# 1849

Delta R.T. -0.17 min

Lab File: VX007145.D

Acq: 18 Jan 2019 19:48

Tgt Ion: 117 Resp: 88

Ion Ratio Lower Upper

117 100

201 54.5 42.9 128.7

