

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012219\
 Data File : VX007187.D
 Acq On : 22 Jan 2019 17:42
 Operator : JC/SP
 Sample : K1214-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW525-4246

Quant Time: Jan 23 00:06:09 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	507471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	787940	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	742357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	372610	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	277249	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
35) Dibromofluoromethane	5.50	113	242445	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
50) Toluene-d8	8.71	98	952983	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	11.13	95	344477	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	

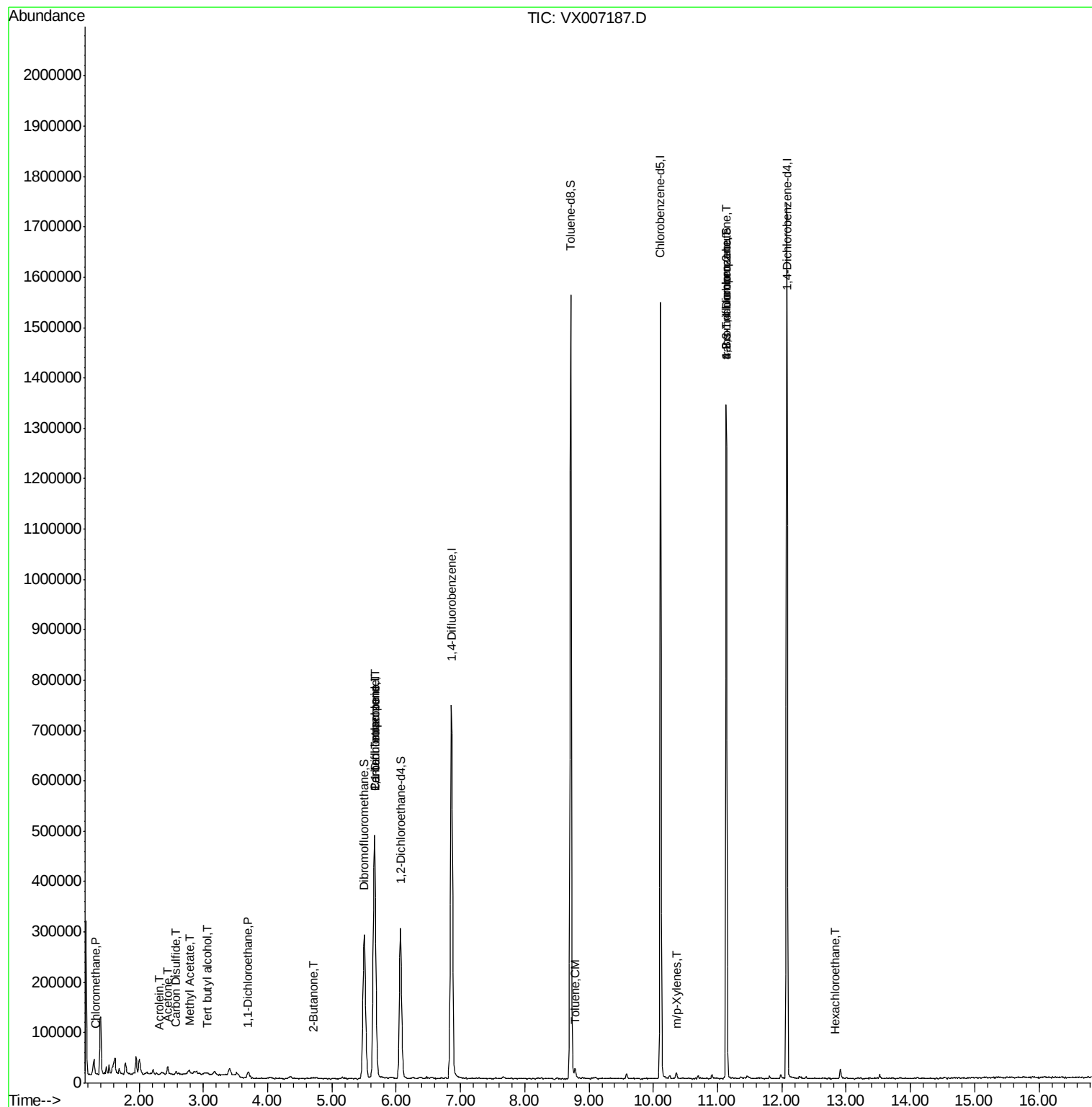
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1287	0.265	ug/l	95
11) Tert butyl alcohol	3.06	59	4136	3.306	ug/l	95
13) Acrolein	2.32	56	461	3.928	ug/l	85
16) Acetone	2.45	43	16967	6.471	ug/l	96
17) Carbon Disulfide	2.57	76	6648	0.554	ug/l #	92
18) Methyl Acetate	2.78	43	3241	0.427	ug/l #	75
20) Methylene Chloride	2.85	84	2547	Below Cal	#	90
24) 1,1-Dichloroethane	3.69	63	12884	1.533	ug/l	99
25) 2-Butanone	4.70	43	6048	1.612	ug/l #	82
36) 1,1-Dichloropropene	5.66	75	33501	4.890	ug/l #	48
38) Carbon Tetrachloride	5.67	117	46642	6.767	ug/l #	15
49) 1,4-Dioxane	7.77	88	650	Below Cal	#	67
52) Toluene	8.78	92	6885	0.512	ug/l	90
68) m/p-Xylenes	10.36	106	3046	0.289	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	163429	21.644	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	163429	64.160	ug/l #	10
90) Hexachloroethane	12.83	117	75	2.927	ug/l	72

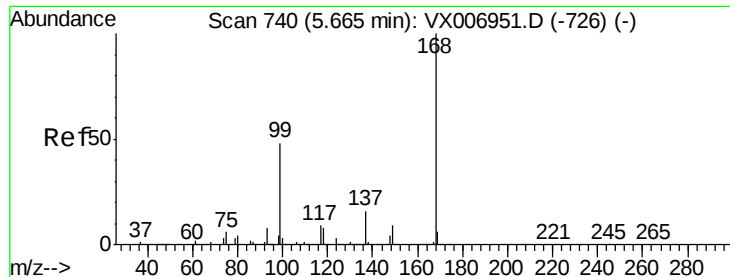
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007187.D

Acq: 22 Jan 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

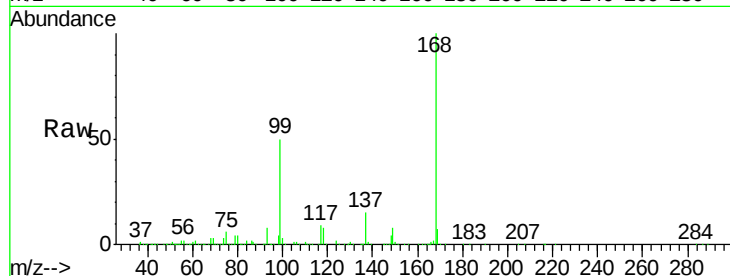
SA-TW525-4246

Tot Ion:168 Resp: 507471

Ion Ratio Lower Upper

168 100

99 50.1 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

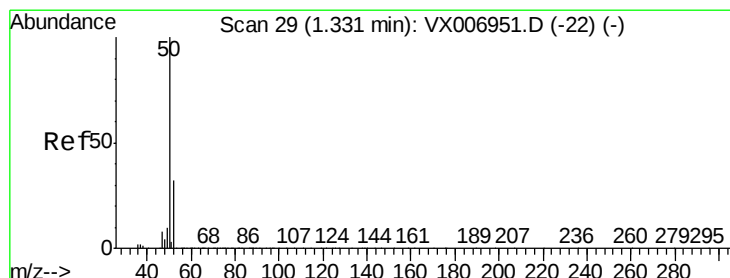
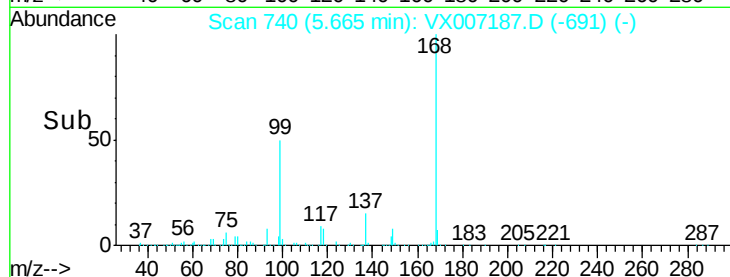
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.265 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007187.D

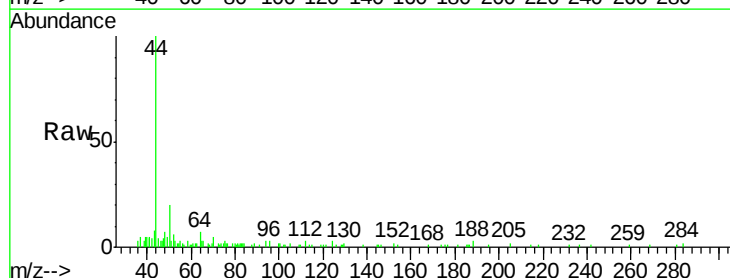
Acq: 22 Jan 2019 17:42

Tgt Ion: 50 Resp: 1287

Ion Ratio Lower Upper

50 100

52 29.0 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

4000

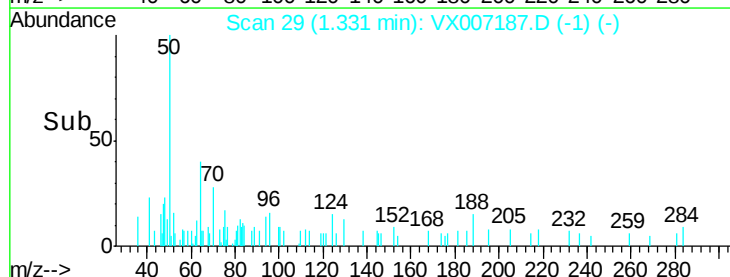
3000

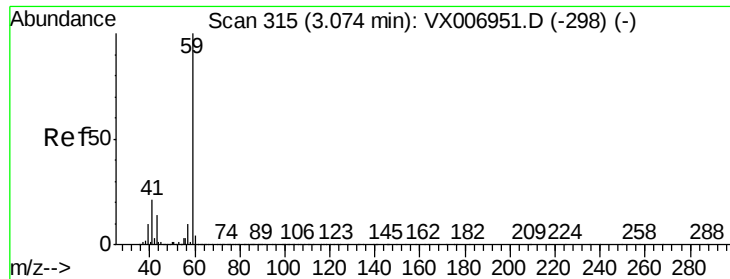
2000

1000

0

Time-->



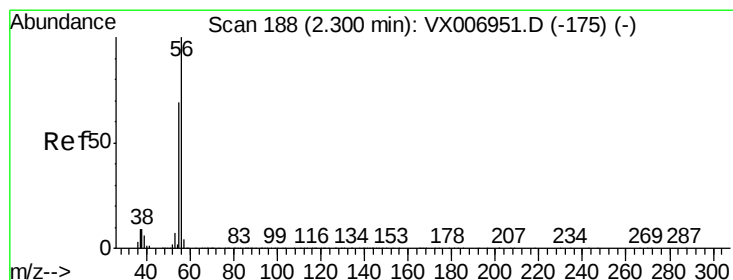
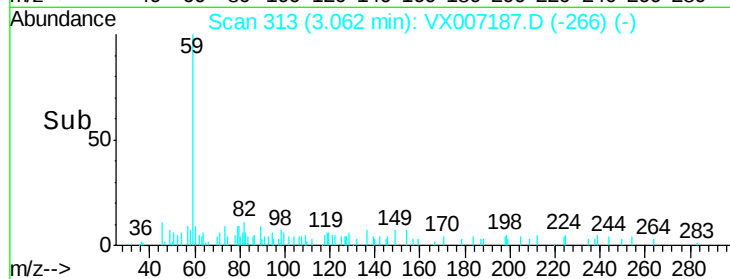
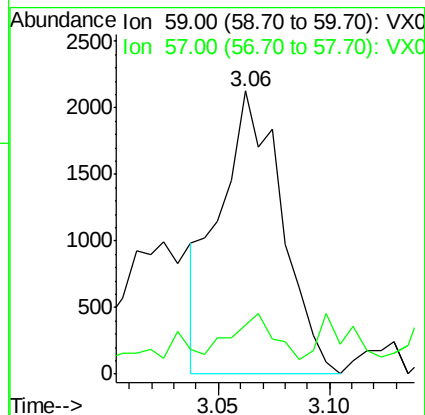
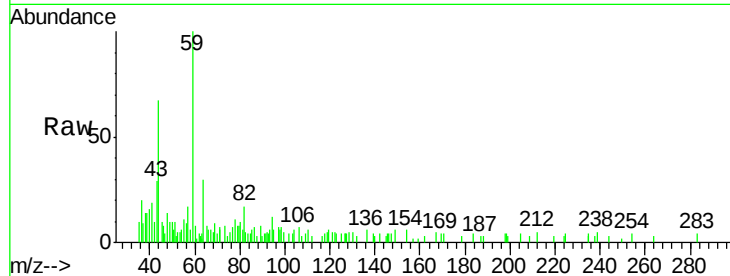


#11

Tert butyl alcohol
Concen: 3.306 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007187.D
Acq: 22 Jan 2019 17:42

Instrument :
MSVOA_X
ClientSampleId :
SA-TW525-4246

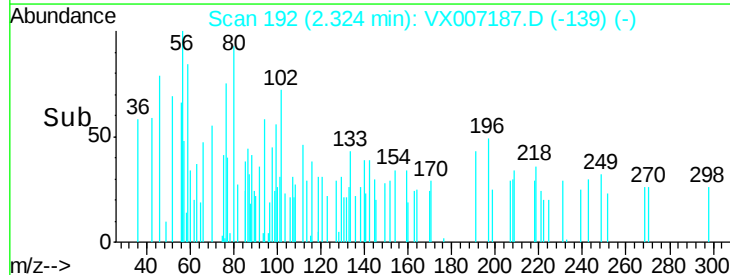
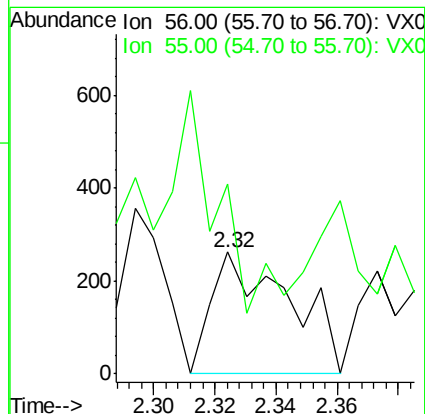
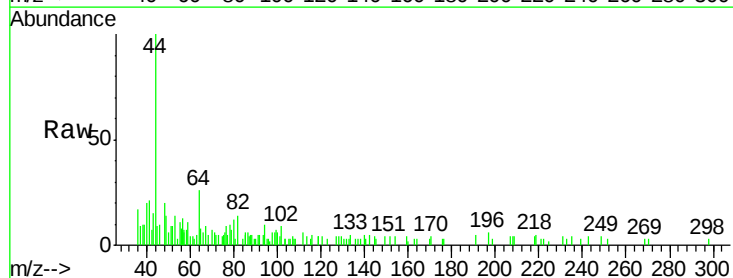
Tot Ion: 59 Resp: 4136
Ion Ratio Lower Upper
59 100
57 12.5 8.5 12.7

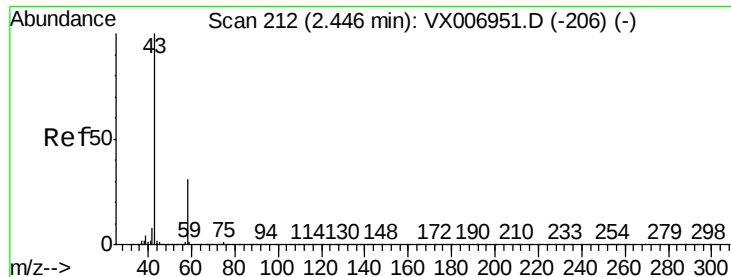


#13

Acrolein
Concen: 3.928 ug/l
RT: 2.32 min Scan# 192
Delta R.T. 0.02 min
Lab File: VX007187.D
Acq: 22 Jan 2019 17:42

Tgt Ion: 56 Resp: 461
Ion Ratio Lower Upper
56 100
55 85.5 58.2 87.4





#16

Acetone

Concen: 6.471 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007187.D

Acq: 22 Jan 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

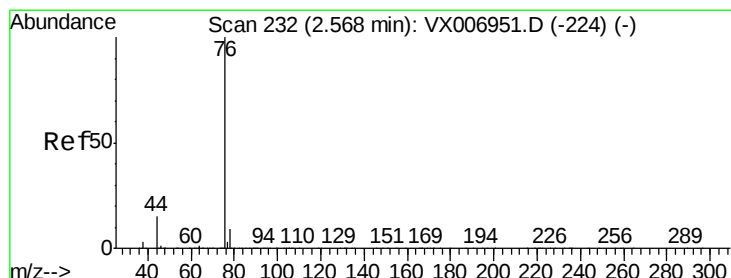
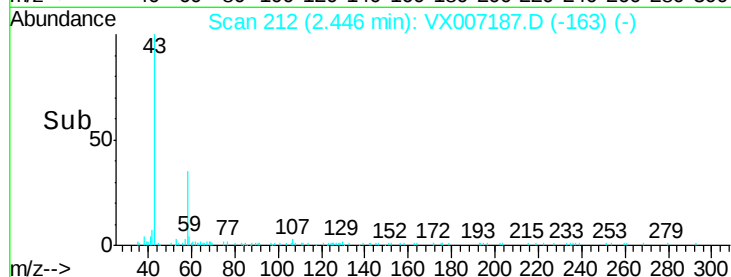
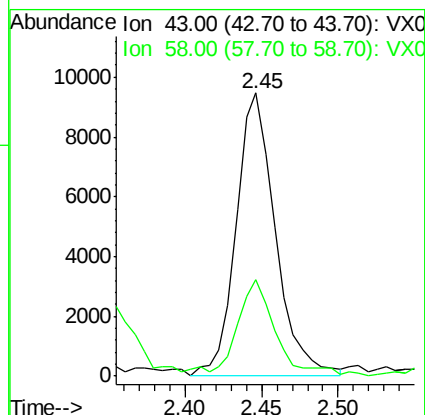
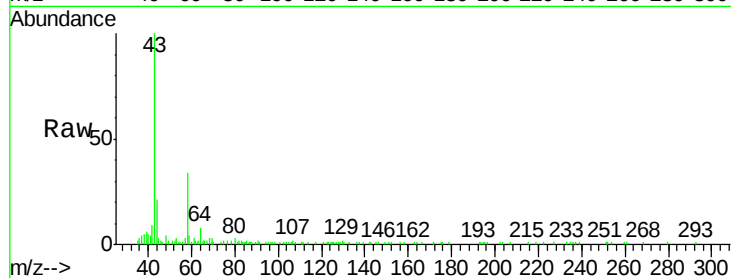
SA-TW525-4246

Tot Ion: 43 Resp: 16967

Ion Ratio Lower Upper

43 100

58 33.3 25.0 37.6



#17

Carbon Disulfide

Concen: 0.554 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007187.D

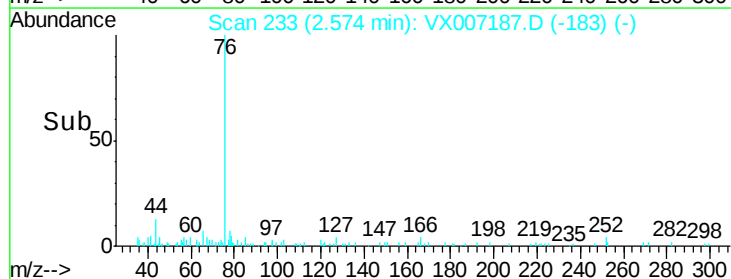
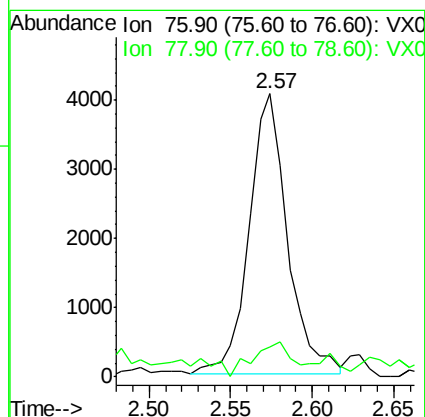
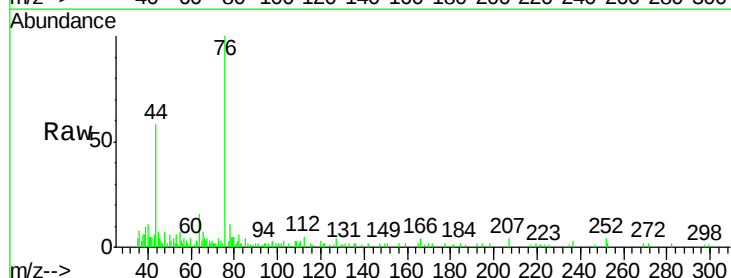
Acq: 22 Jan 2019 17:42

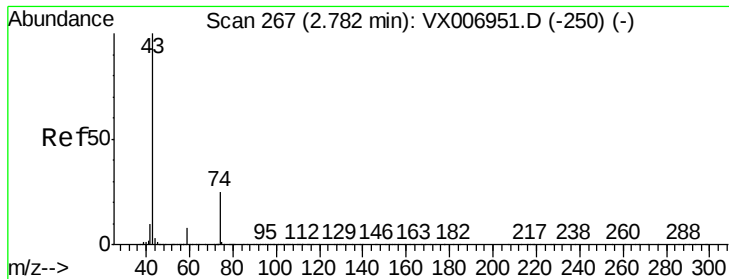
Tgt Ion: 76 Resp: 6648

Ion Ratio Lower Upper

76 100

78 11.7 7.0 10.6#

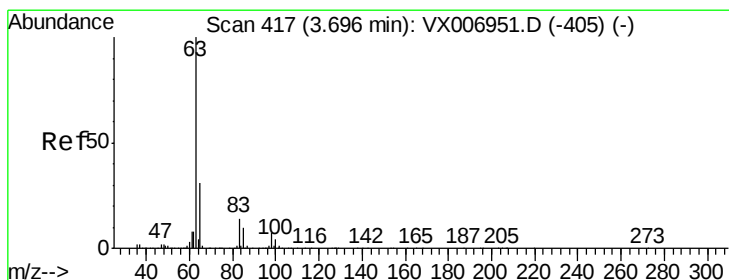
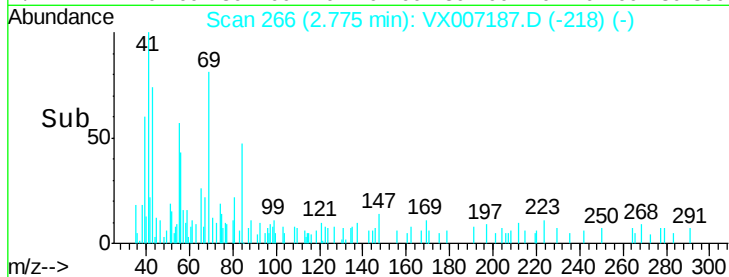
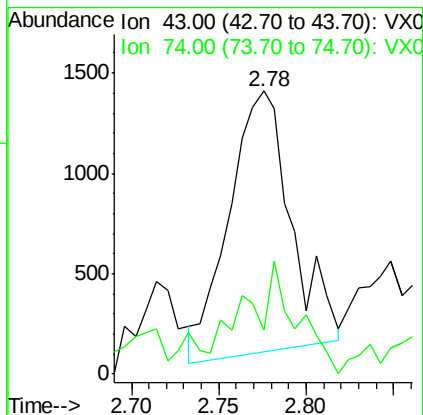
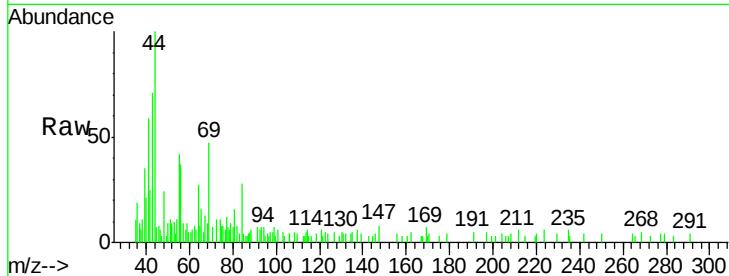




#18
Methvl Acetate
Concen: 0.427 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007187.D
Acq: 22 Jan 2019 17:42

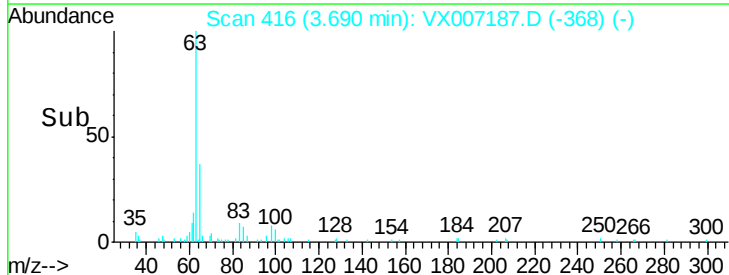
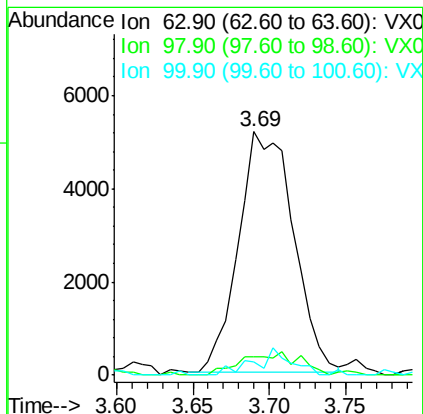
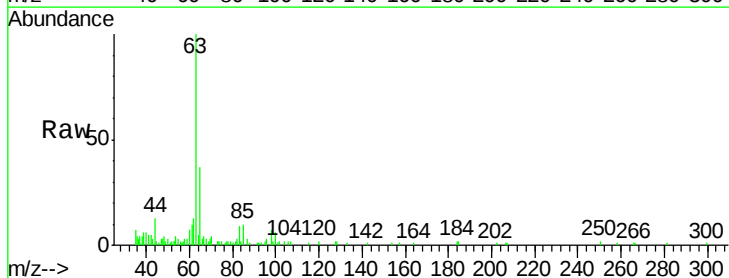
Instrument :
MSVOA_X
ClientSampleId :
SA-TW525-4246

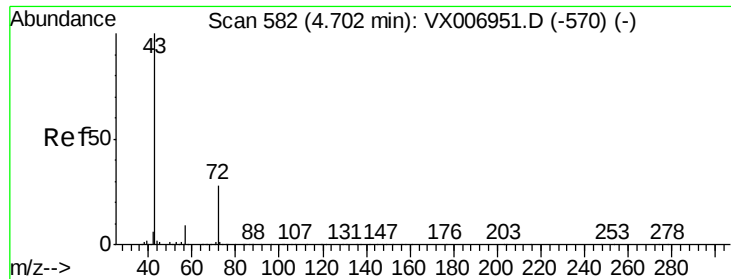
Tot Ion: 43 Resp: 3241
Ion Ratio Lower Upper
43 100
74 35.7 18.6 28.0#



#24
1,1-Dichloroethane
Concen: 1.533 ug/l
RT: 3.69 min Scan# 416
Delta R.T. -0.01 min
Lab File: VX007187.D
Acq: 22 Jan 2019 17:42

Tgt Ion: 63 Resp: 12884
Ion Ratio Lower Upper
63 100
98 7.6 3.9 11.5
100 5.6 2.4 7.2





#25

2-Butanone

Concen: 1.612 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007187.D

Acq: 22 Jan 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

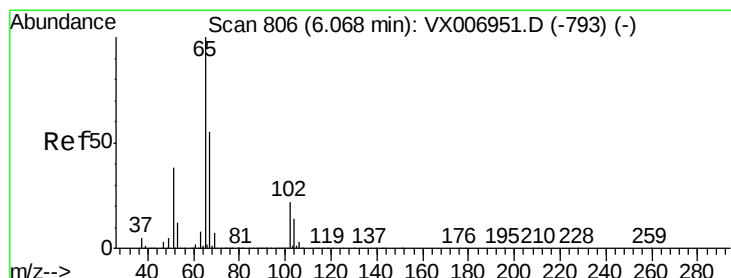
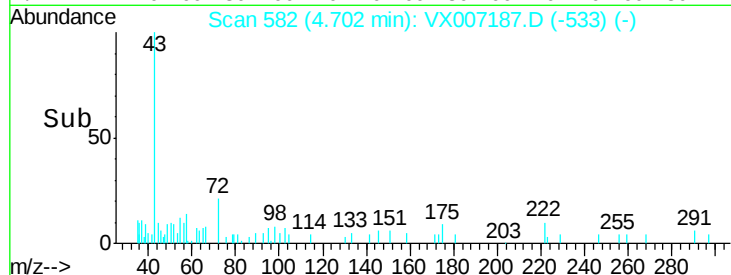
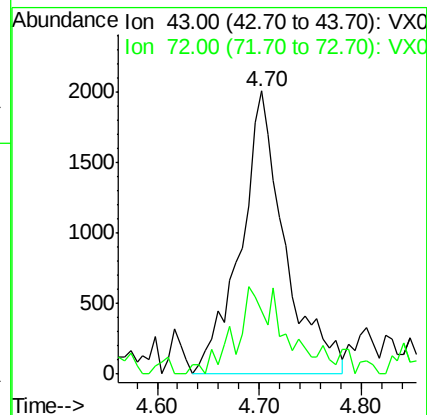
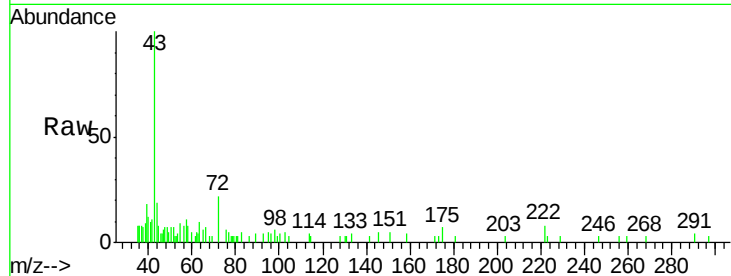
SA-TW525-4246

Tot Ion: 43 Resp: 6048

Ion Ratio Lower Upper

43 100

72 18.7 22.4 33.6#



#33

1,2-Dichloroethane-d4

Concen: 52.277 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007187.D

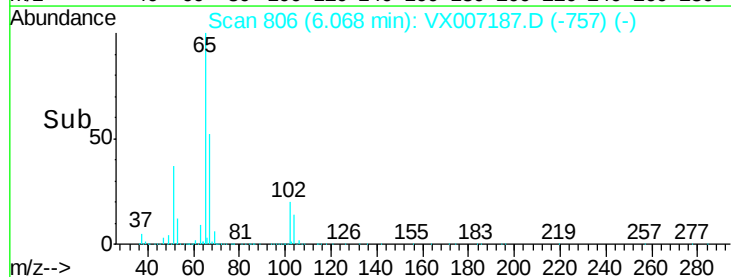
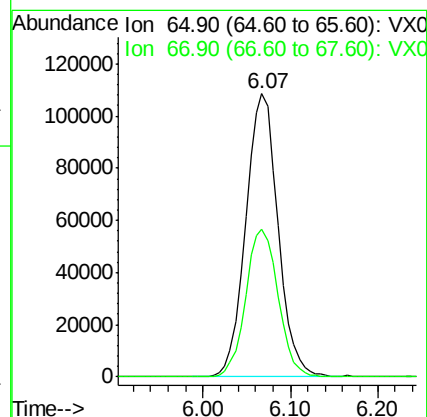
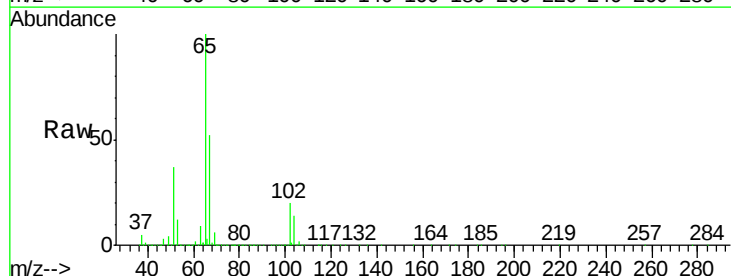
Acq: 22 Jan 2019 17:42

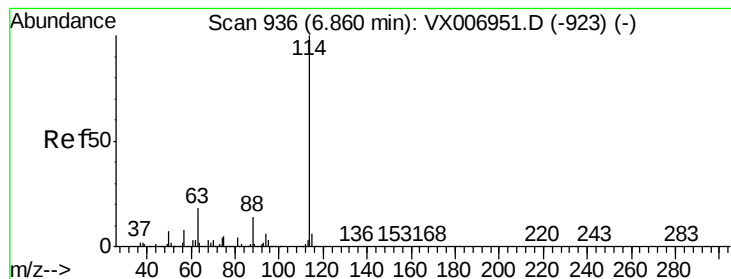
Tgt Ion: 65 Resp: 277249

Ion Ratio Lower Upper

65 100

67 52.8 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: VX007187.D

Acq: 22 Jan 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

SA-TW525-4246

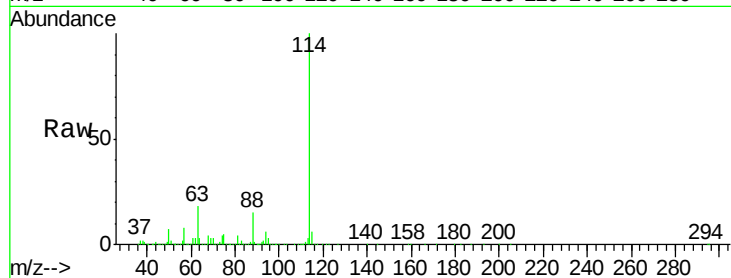
Tot Ion:114 Resp: 787940

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.8

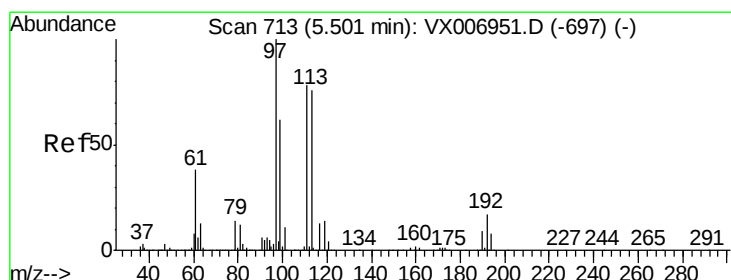
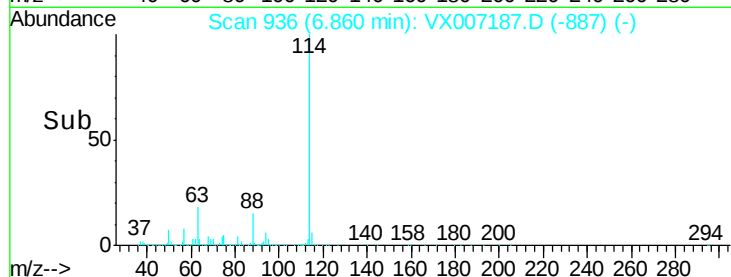
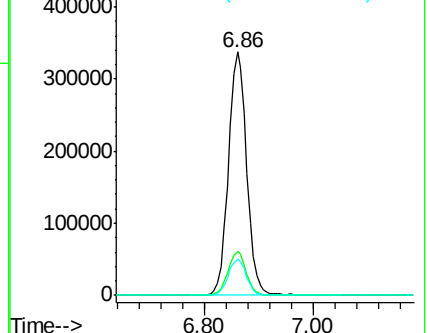
88 14.9 0.0 28.8



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: 48.048 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007187.D

Acq: 22 Jan 2019 17:42

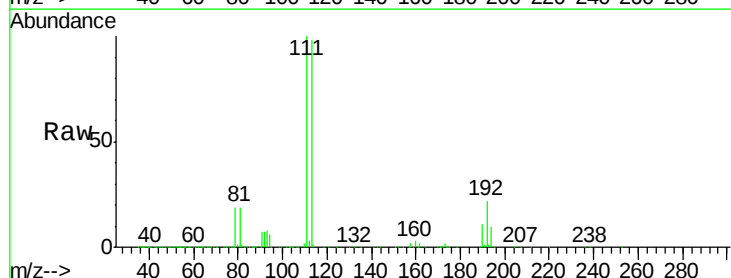
Tgt Ion:113 Resp: 242445

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

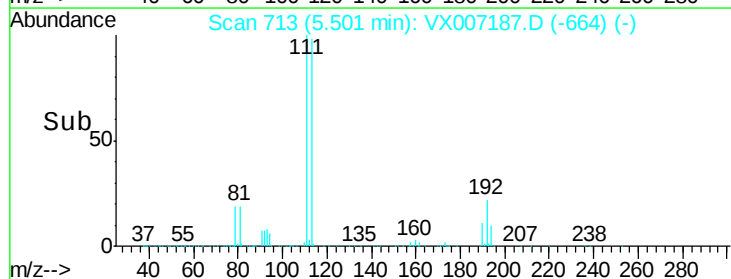
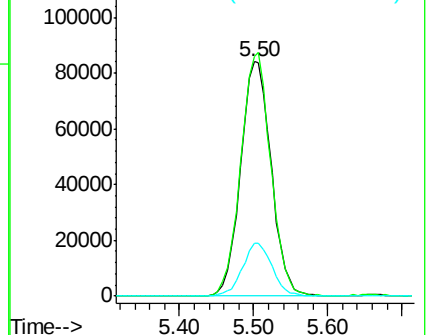
192 22.0 16.7 25.1

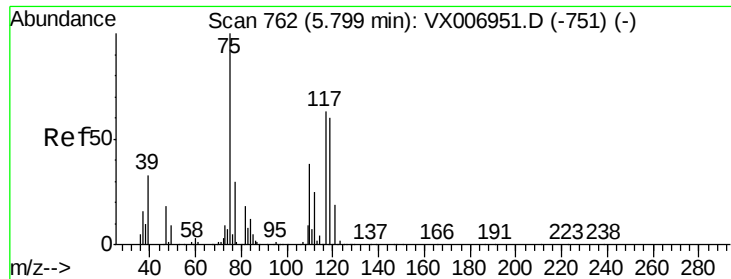


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.890 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007187.D

Acq: 22 Jan 2019 17:42

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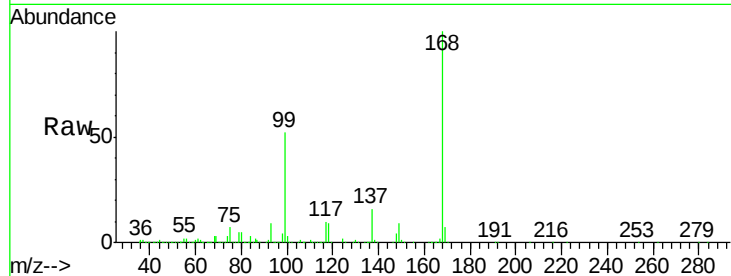
Tot Ion: 75 Resp: 33501

Ion Ratio Lower Upper

75 100

110 10.1 20.2 60.5#

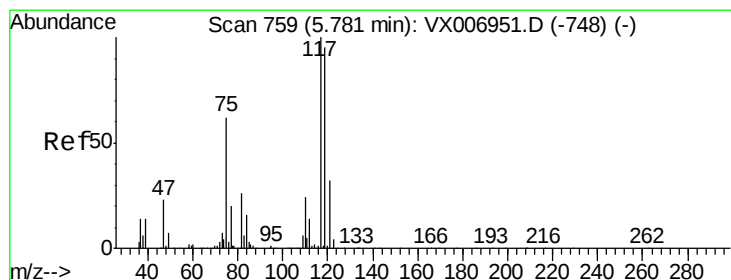
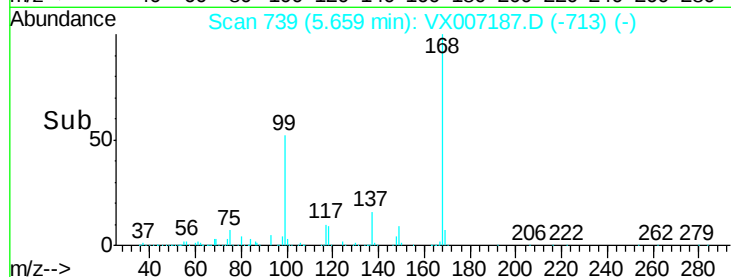
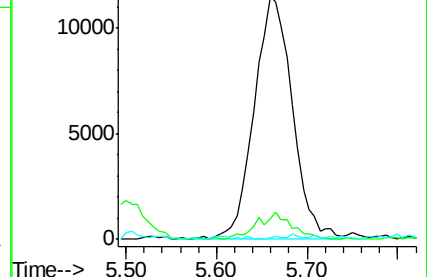
77 0.0 24.8 37.2#



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: 6.767 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007187.D

Acq: 22 Jan 2019 17:42

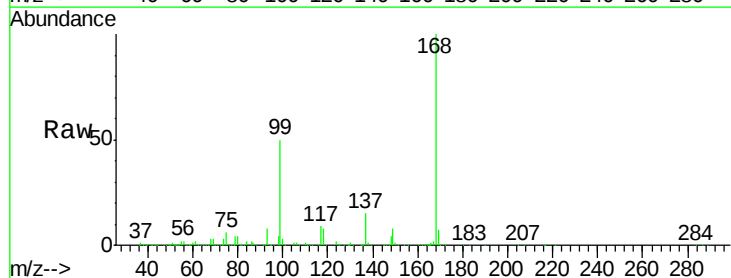
Tgt Ion: 117 Resp: 46642

Ion Ratio Lower Upper

117 100

119 5.2 79.4 119.2#

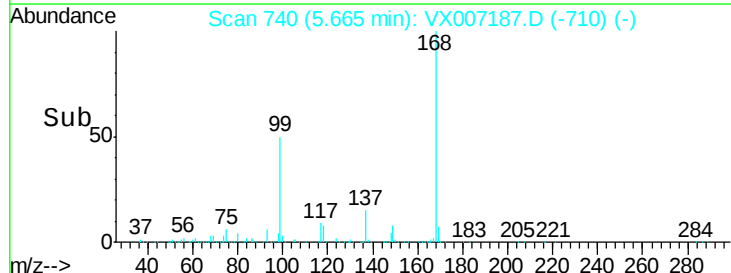
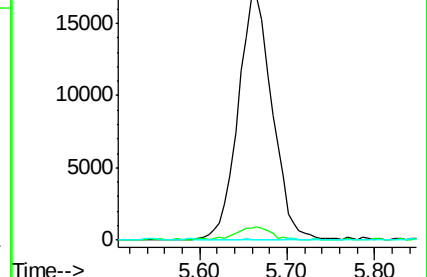
121 0.0 24.0 36.0#

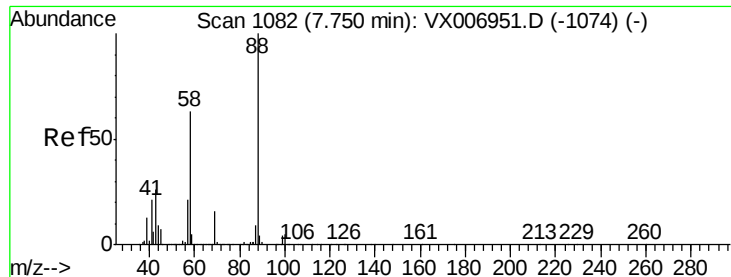


Abundance Ion 116.80 (116.50 to 117.50): V

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: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007187.D

Acq: 22 Jan 2019 17:42

Instrument :

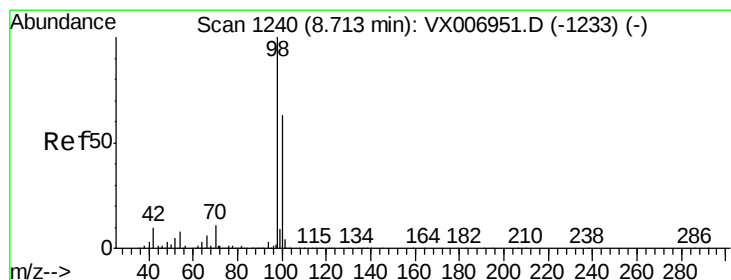
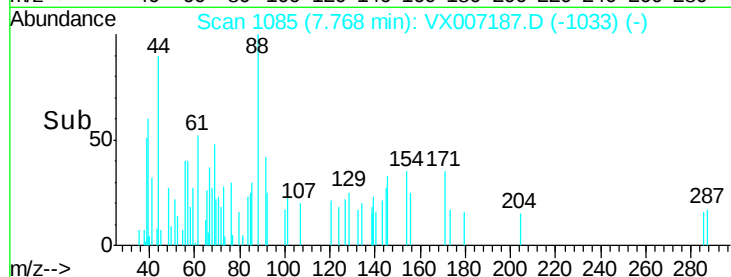
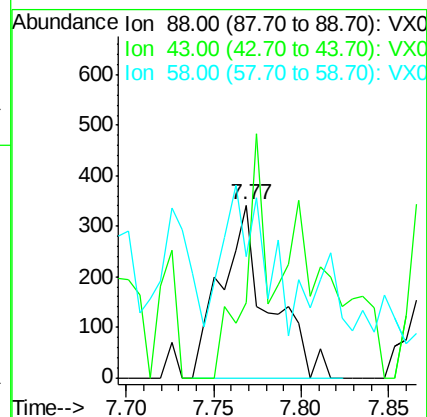
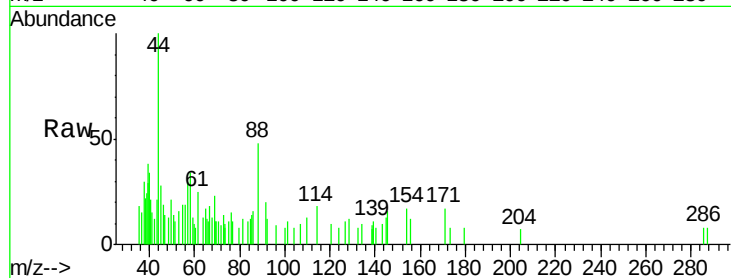
MSVOA_X

ClientSampleId :

SA-TW525-4246

Tot Ion: 88 Resp: 650

Ion	Ratio	Lower	Upper
88	100		
43	68.0	22.2	33.4#
58	74.5	51.0	76.4



#50

Toluene-d8

Concen: 51.597 ug/l

RT: 8.71 min Scan# 1240

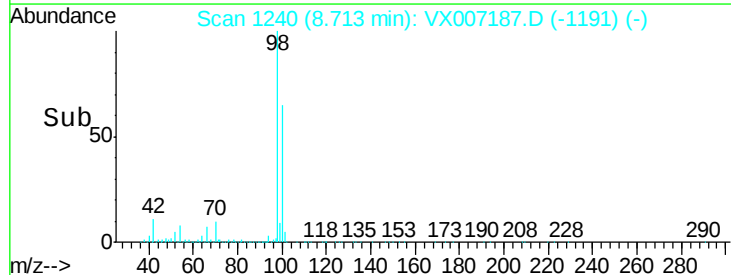
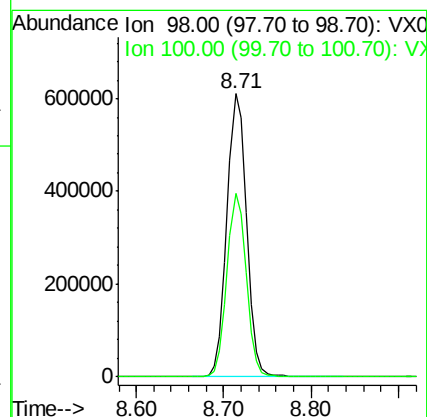
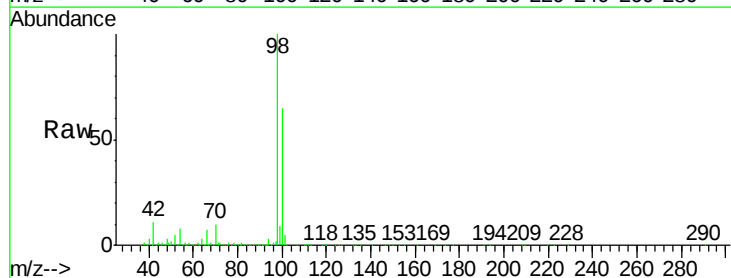
Delta R.T. -0.00 min

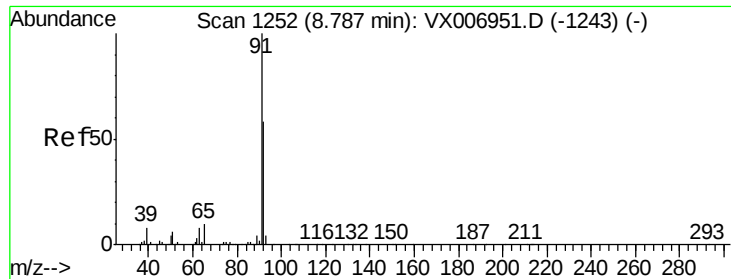
Lab File: VX007187.D

Acq: 22 Jan 2019 17:42

Tgt Ion: 98 Resp: 952983

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.0	78.0





#52

Toluene

Concen: 0.512 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007187.D

Acq: 22 Jan 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

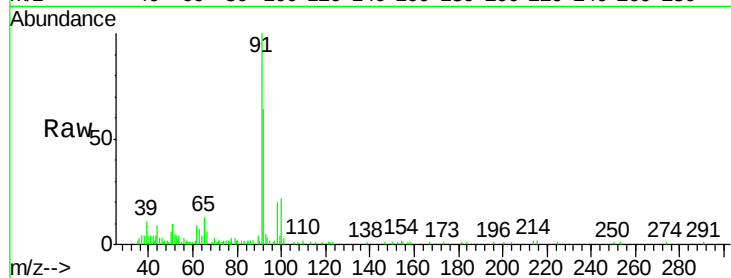
SA-TW525-4246

Tot Ion: 92 Resp: 6885

Ion Ratio Lower Upper

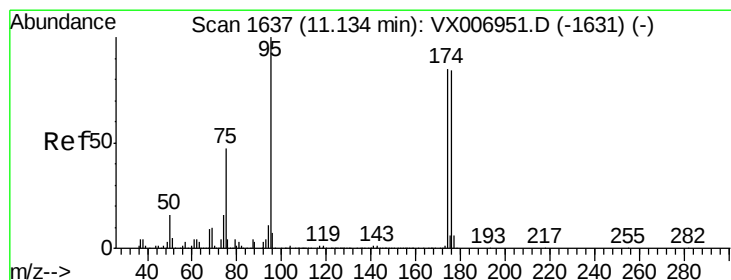
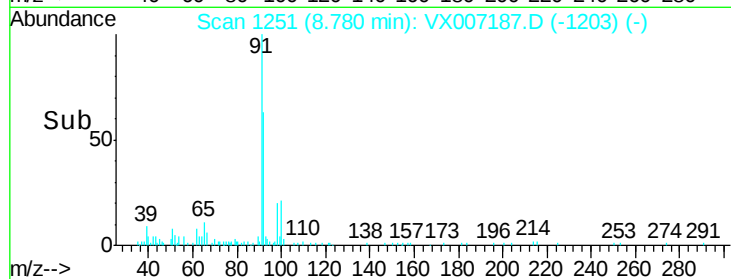
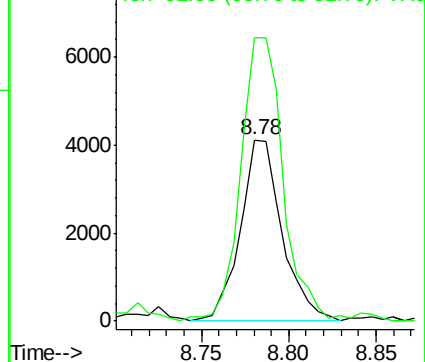
92 100

91 158.7 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 53.499 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007187.D

Acq: 22 Jan 2019 17:42

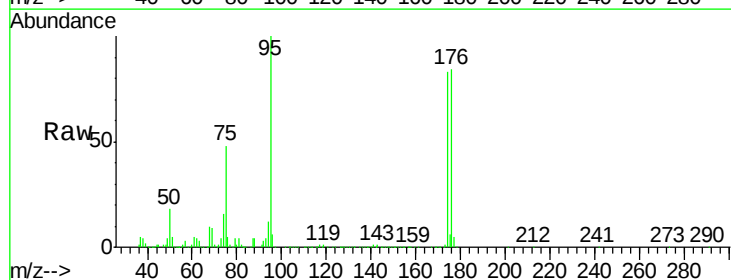
Tgt Ion: 95 Resp: 344477

Ion Ratio Lower Upper

95 100

174 90.5 0.0 182.2

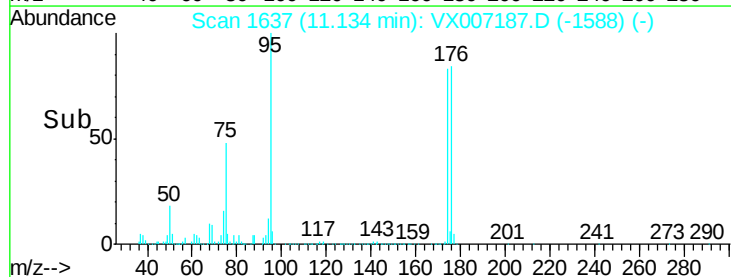
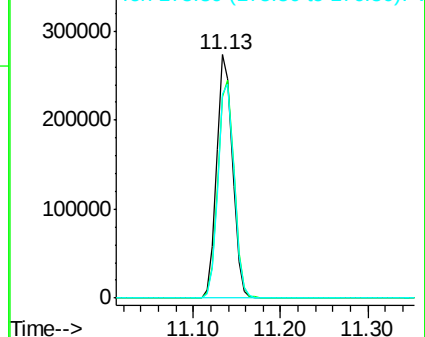
176 88.6 0.0 178.8

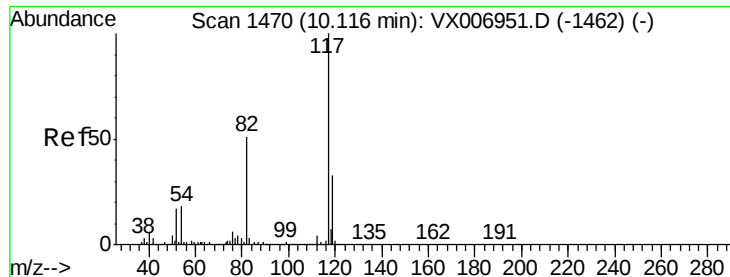


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

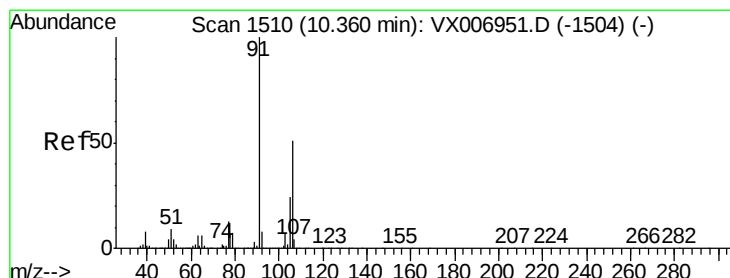
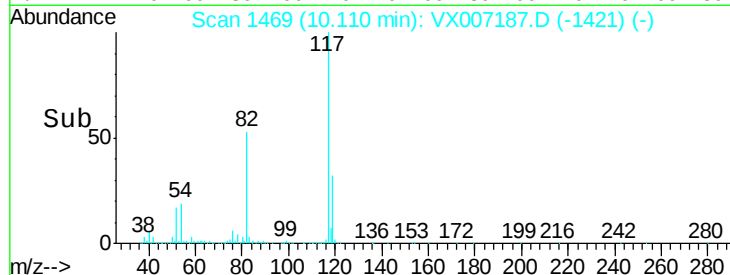
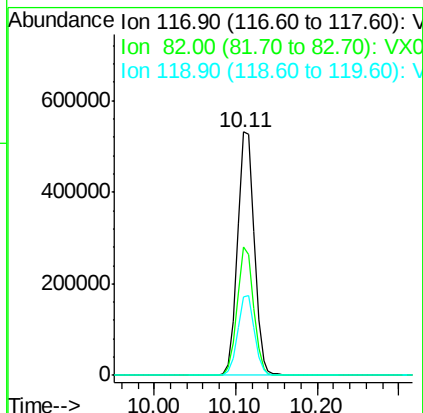
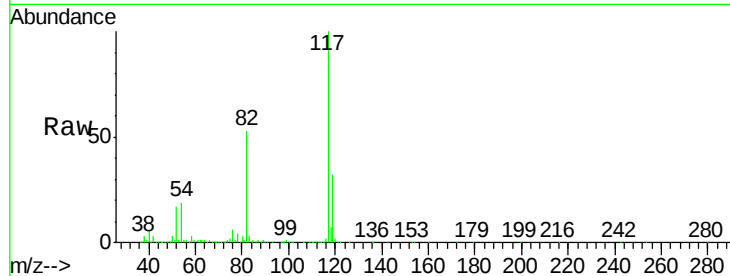




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007187.D
Acq: 22 Jan 2019 17:42

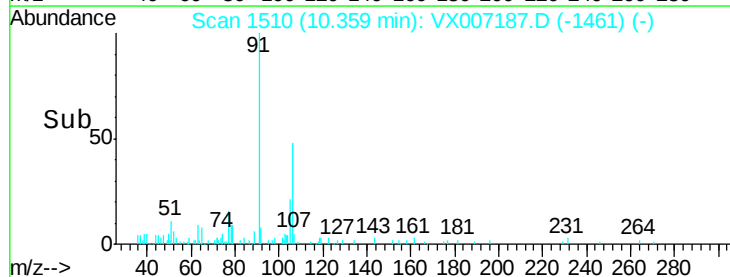
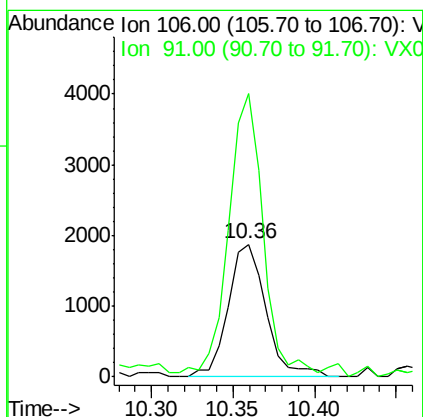
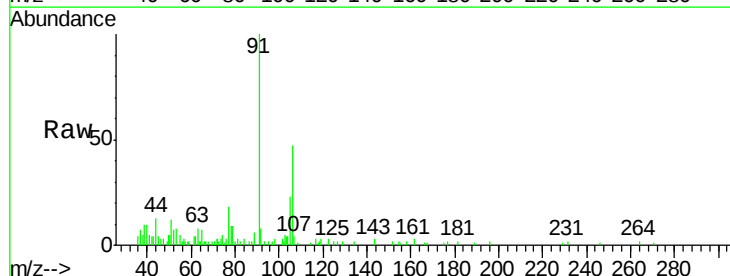
Instrument :
MSVOA_X
ClientSampleId :
SA-TW525-4246

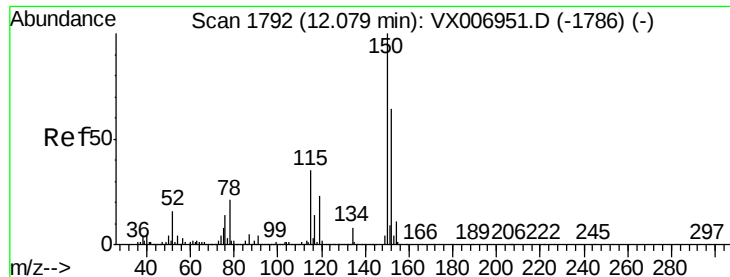
Tot Ion:117 Resp: 742357
Ion Ratio Lower Upper
117 100
82 52.8 41.0 61.6
119 32.1 25.4 38.0



#68
m/p-Xylenes
Concen: 0.289 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007187.D
Acq: 22 Jan 2019 17:42

Tgt Ion:106 Resp: 3046
Ion Ratio Lower Upper
106 100
91 187.2 155.8 233.6



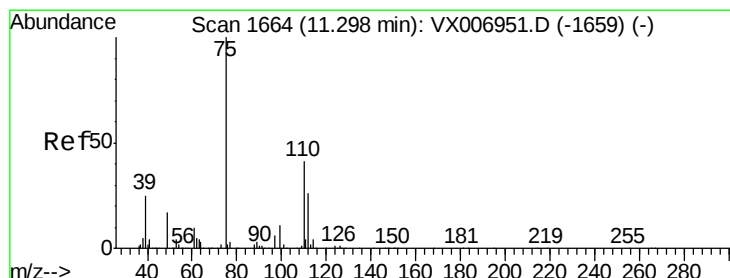
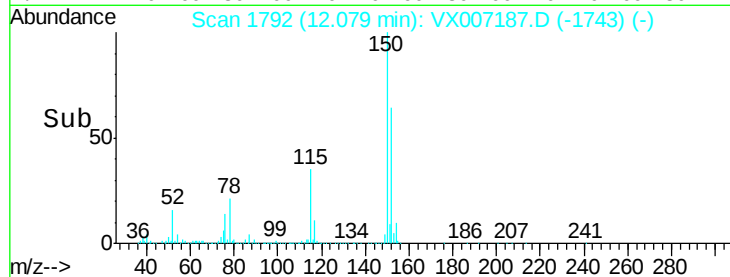
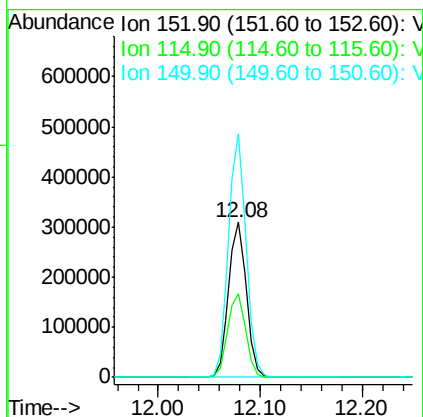
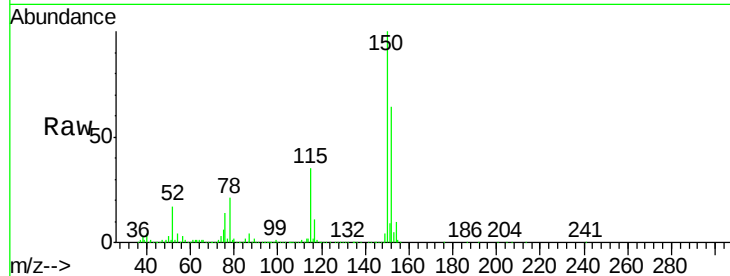


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007187.D
Acq: 22 Jan 2019 17:42

Instrument :
MSVOA_X
ClientSampleId :
SA-TW525-4246

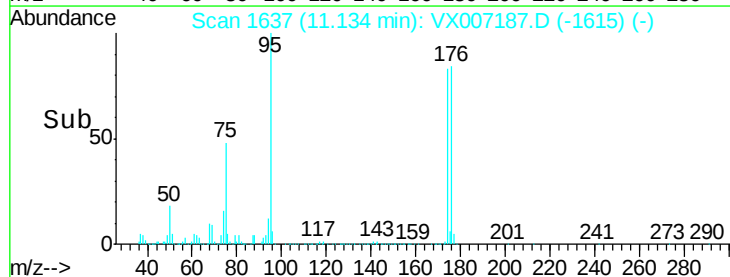
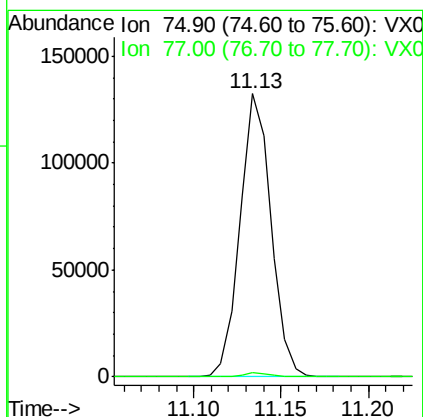
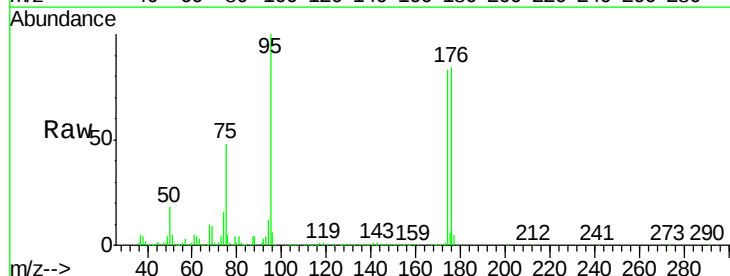
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.5	39.1	117.2
150	154.9	0.0	344.8

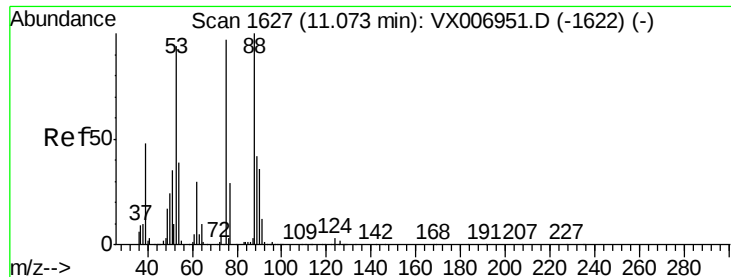


#76

1,2,3-Trichloropropane
Concen: 21.644 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007187.D
Acq: 22 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	18.5	55.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 64.160 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007187.D

Acq: 22 Jan 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

SA-TW525-4246

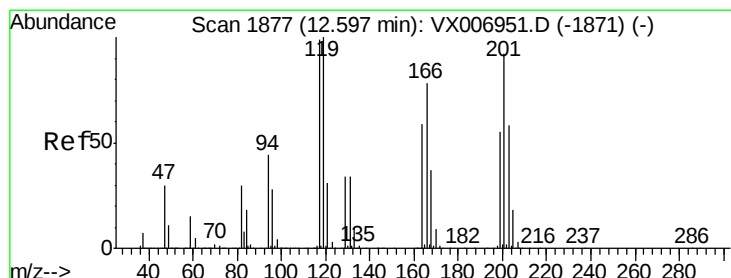
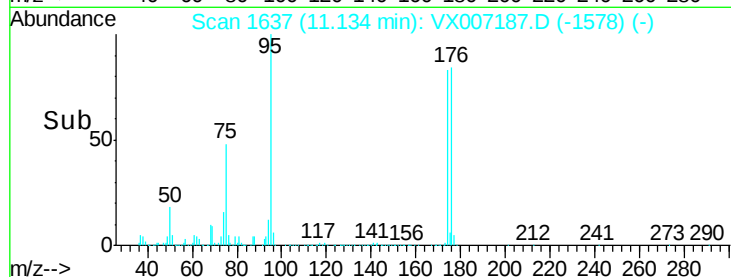
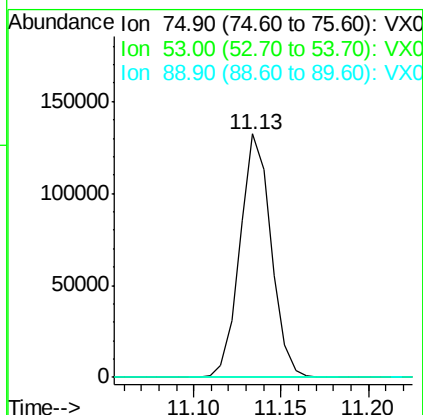
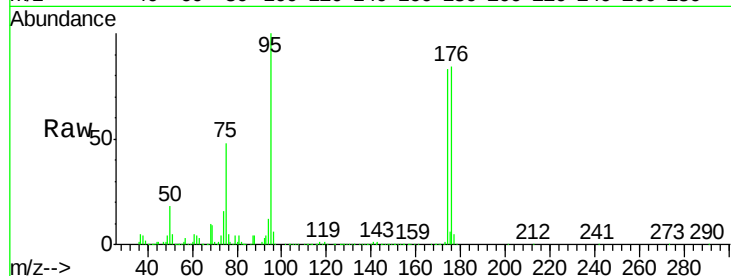
Tot Ion: 75 Resp: 163429

Ion Ratio Lower Upper

75 100

53 0.0 79.7 119.5#

89 0.1 38.0 57.0#



#90

Hexachloroethane

Concen: 2.927 ug/l

RT: 12.83 min Scan# 1915

Delta R.T. 0.23 min

Lab File: VX007187.D

Acq: 22 Jan 2019 17:42

Tgt Ion: 117 Resp: 75

Ion Ratio Lower Upper

117 100

201 60.0 42.9 128.7

