

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053019\
 Data File : VX009960.D
 Acq On : 30 May 2019 15:04
 Operator : JC/SP
 Sample : K3094-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0658

Quant Time: May 31 05:34:27 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

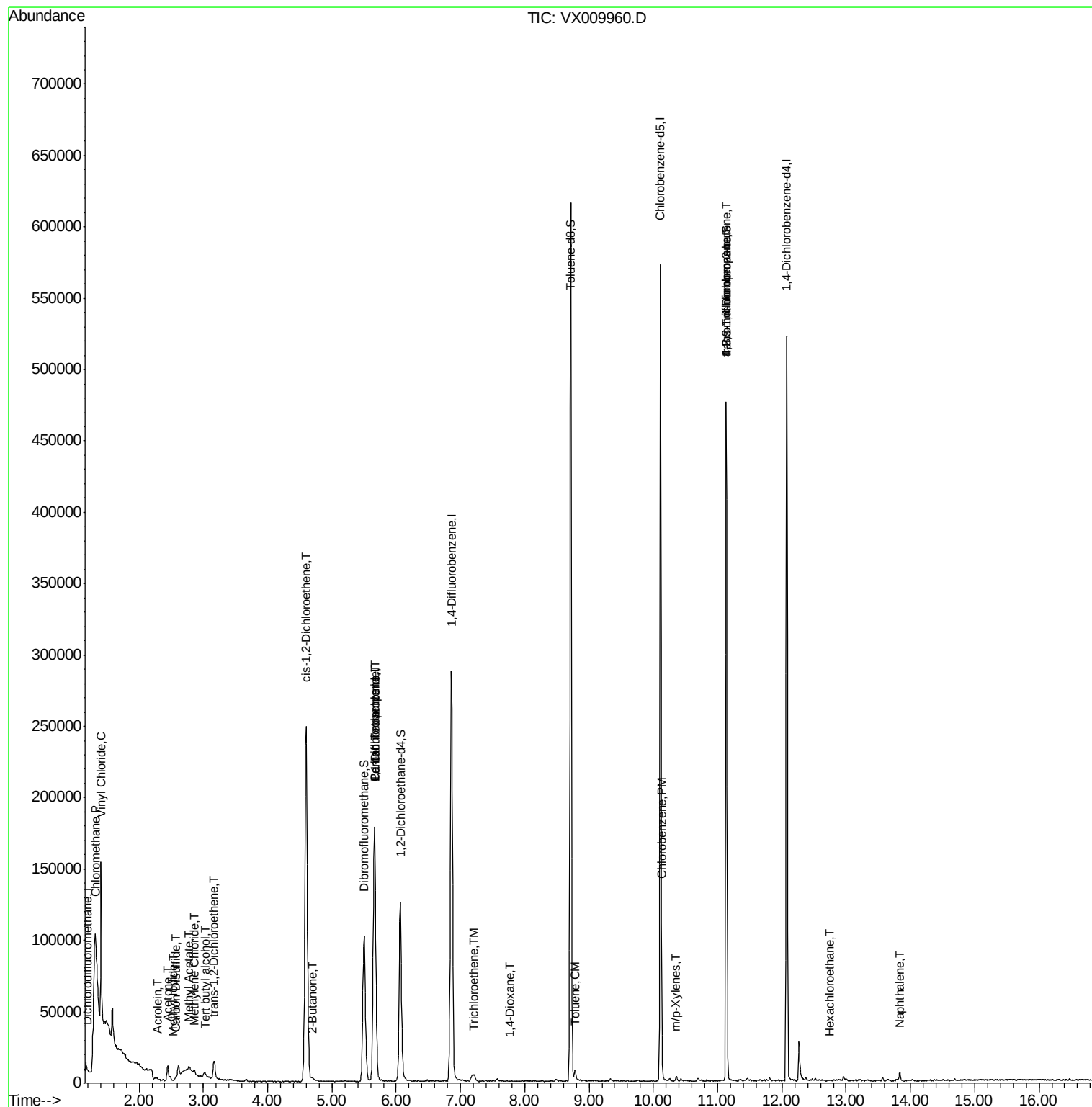
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	172898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	276151	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108673	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	118466	48.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.02%	
35) Dibromofluoromethane	5.50	113	86841	50.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.04%	
50) Toluene-d8	8.71	98	351251	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	11.13	95	118755	46.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	480	0.227	ug/l	86
3) Chloromethane	1.33	50	7753	2.730	ug/l #	60
4) Vinyl Chloride	1.41	62	75491	29.483	ug/l	97
10) Methyl Iodide	2.53	142	227	4.754	ug/l #	66
11) Tert butyl alcohol	3.03	59	1972	3.281	ug/l #	79
13) Acrolein	2.29	56	138	21.393	ug/l	86
16) Acetone	2.45	43	11231	7.959	ug/l	97
17) Carbon Disulfide	2.57	76	4437	1.215	ug/l #	93
18) Methyl Acetate	2.78	43	2930	0.892	ug/l #	90
20) Methylene Chloride	2.87	84	926	0.429	ug/l #	70
21) trans-1,2-Dichloroethene	3.17	96	4922	2.526	ug/l	98
25) 2-Butanone	4.70	43	1510	0.687	ug/l #	89
27) cis-1,2-Dichloroethene	4.60	96	151814	67.504	ug/l	89
36) 1,1-Dichloropropene	5.67	75	14064	5.019	ug/l #	51
38) Carbon Tetrachloride	5.67	117	16816	6.945	ug/l #	14
44) Trichloroethene	7.21	130	1219	0.604	ug/l	95
49) 1,4-Dioxane	7.76	88	20	0.345	ug/l #	1
52) Toluene	8.78	92	2122	0.420	ug/l	95
65) Chlorobenzene	10.13	112	1170	0.225	ug/l	95
68) m/p-Xylenes	10.36	106	822	0.238	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	61605	23.706	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61605	58.652	ug/l #	10
90) Hexachloroethane	12.75	117	254	0.214	ug/l #	6
95) Naphthalene	13.83	128	3371	0.423	ug/l	98

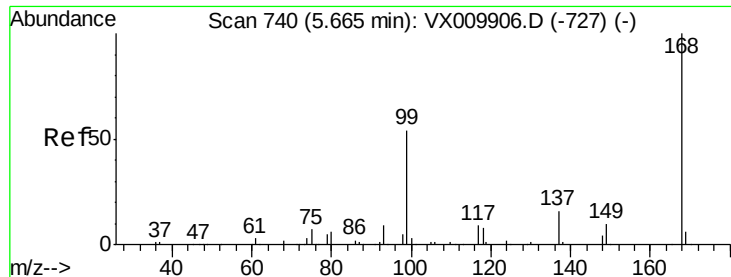
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX053019\
Data File : VX009960.D
Acq On : 30 May 2019 15:04
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: May 31 05:34:27 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: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009960.D

Acq: 30 May 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

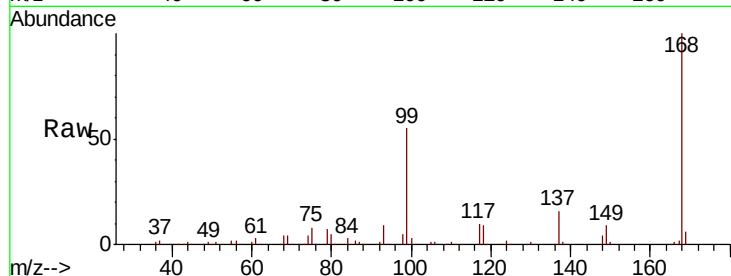
S32-0658

Tot Ion:168 Resp: 172898

Ion Ratio Lower Upper

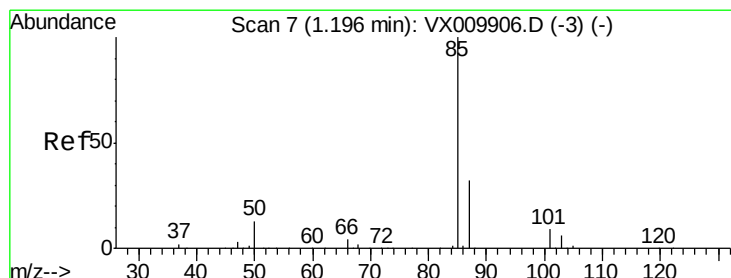
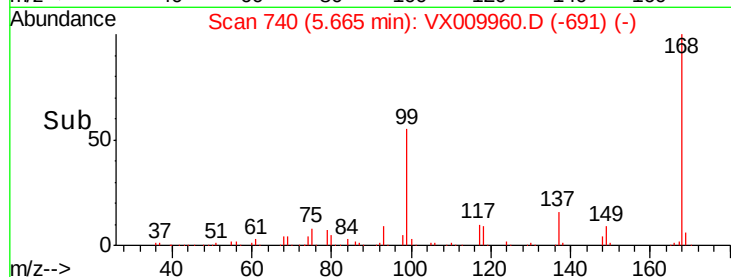
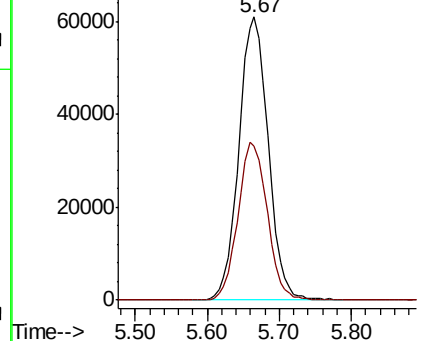
168 100

99 54.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.227 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX009960.D

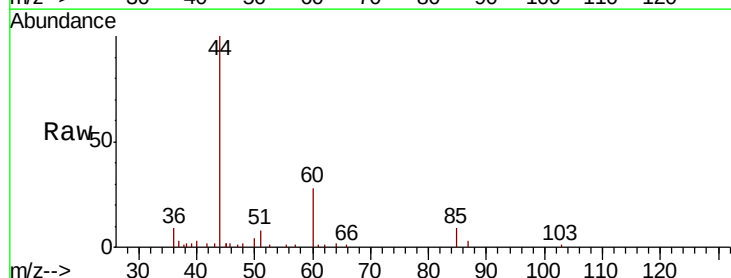
Acq: 30 May 2019 15:04

Tgt Ion: 85 Resp: 480

Ion Ratio Lower Upper

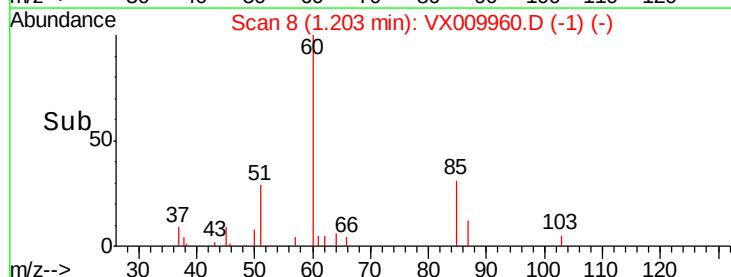
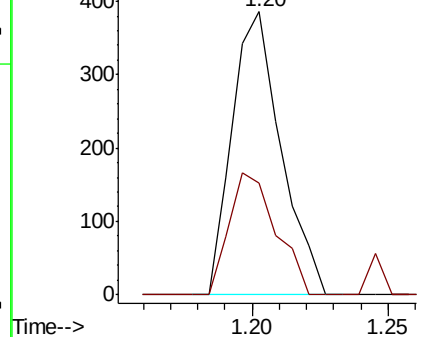
85 100

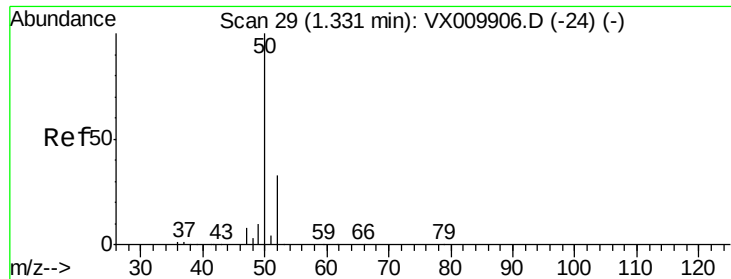
87 39.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 2.730 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX009960.D

Acq: 30 May 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

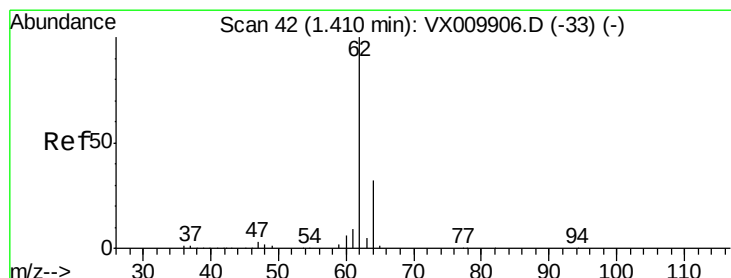
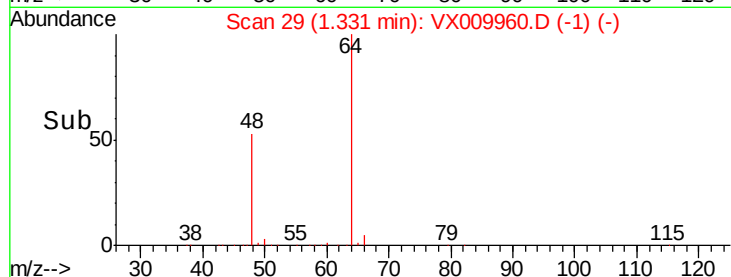
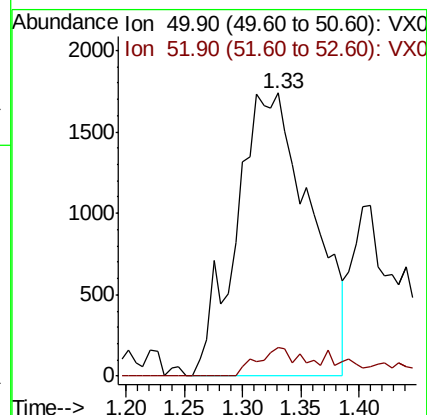
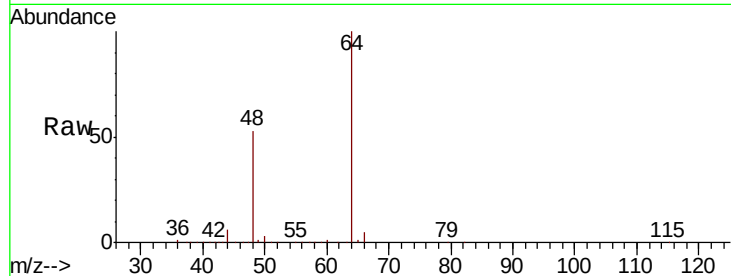
S32-0658

Tot Ion: 50 Resp: 7753

Ion Ratio Lower Upper

50 100

52 10.2 26.0 39.0#



#4

Vinyl Chloride

Concen: 29.483 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009960.D

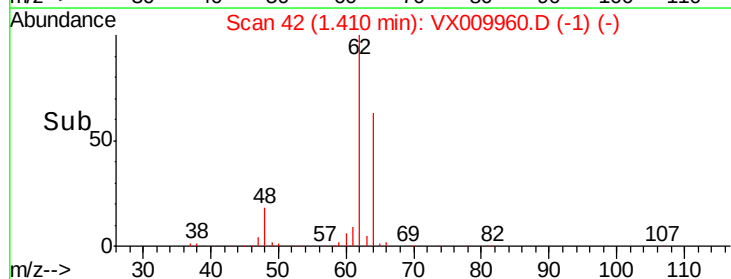
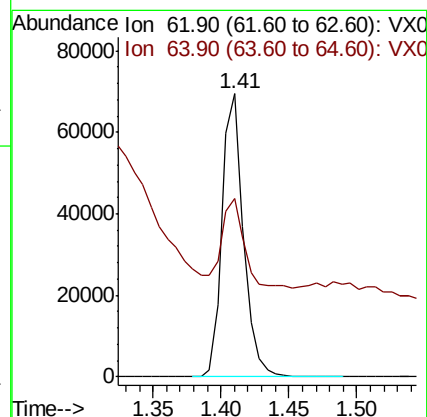
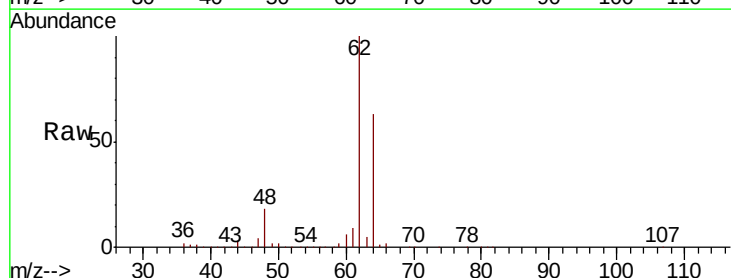
Acq: 30 May 2019 15:04

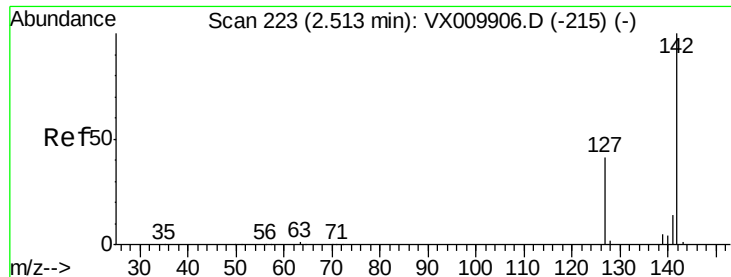
Tgt Ion: 62 Resp: 75491

Ion Ratio Lower Upper

62 100

64 30.5 25.7 38.5

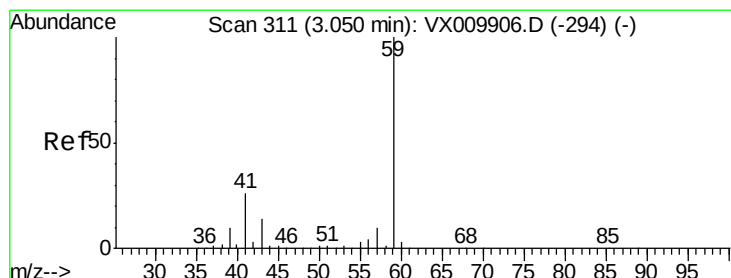
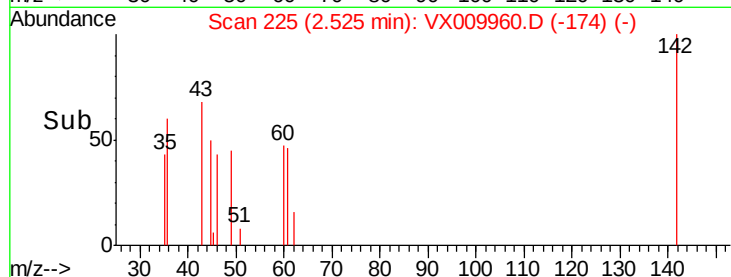
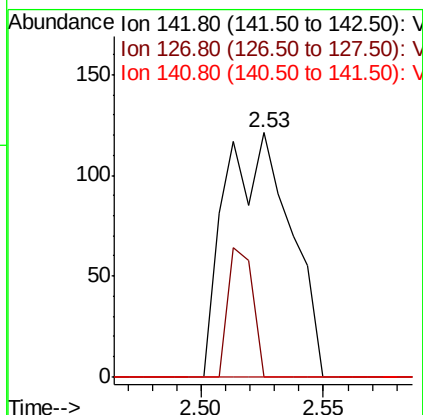
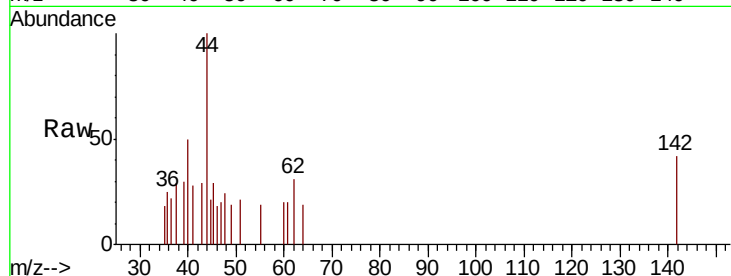




#10
Methvl Iodide
Concen: 4.754 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.01 min
Lab File: VX009960.D
Acq: 30 May 2019 15:04

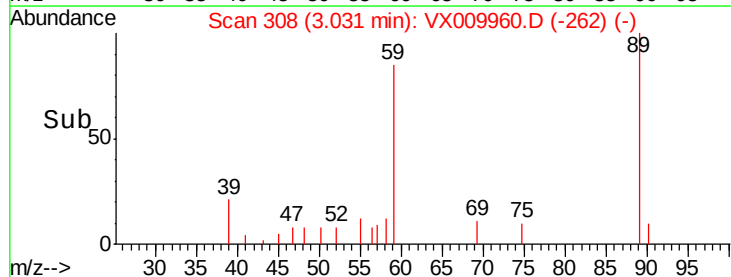
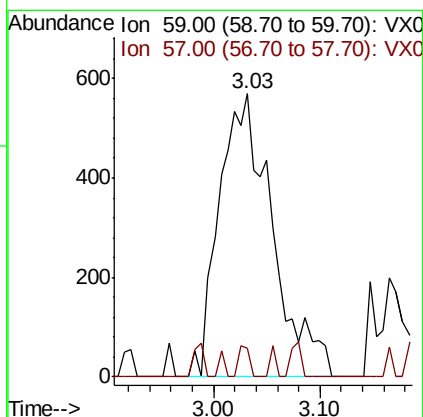
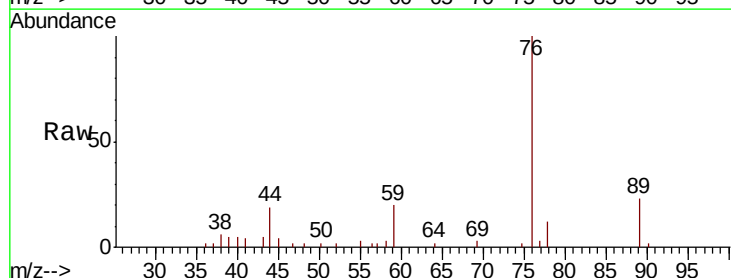
Instrument :
MSVOA_X
ClientSampleId :
S32-0658

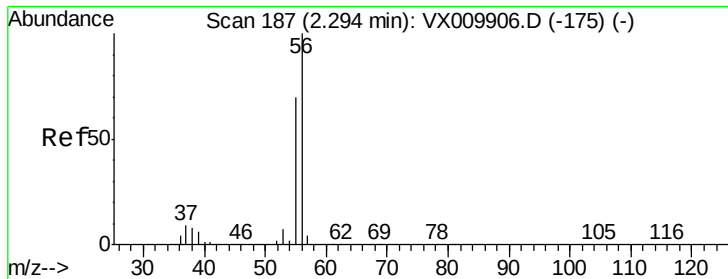
Tot Ion:142 Resp: 227
Ion Ratio Lower Upper
142 100
127 19.8 33.0 49.4#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.281 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009960.D
Acq: 30 May 2019 15:04

Tgt Ion: 59 Resp: 1972
Ion Ratio Lower Upper
59 100
57 2.2 8.2 12.2#

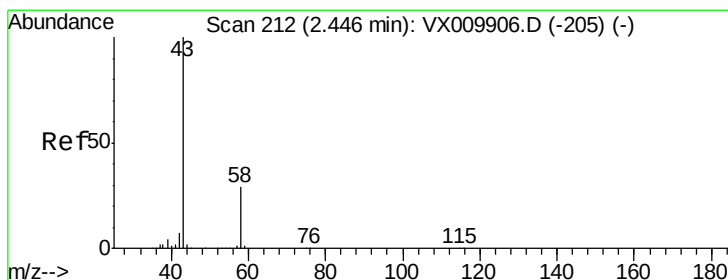
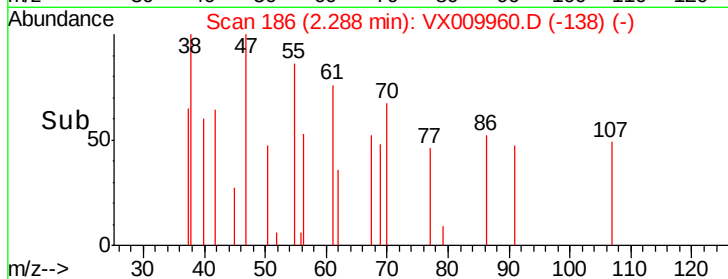
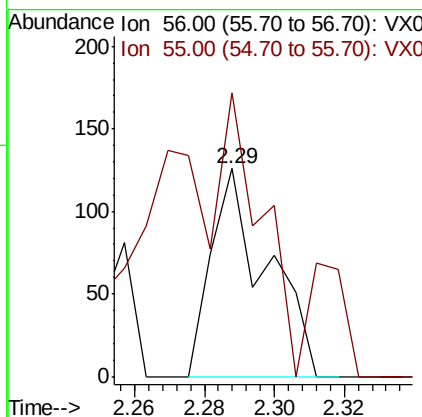
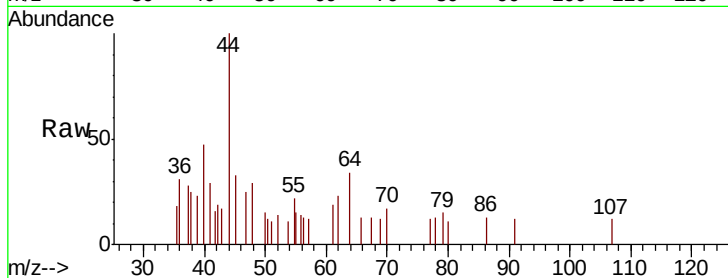




#13
Acrolein
Concen: 21.393 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX009960.D
Acq: 30 May 2019 15:04

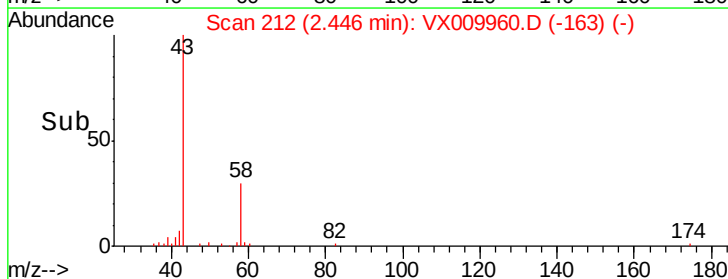
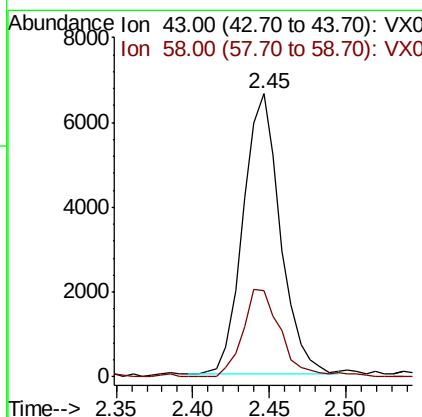
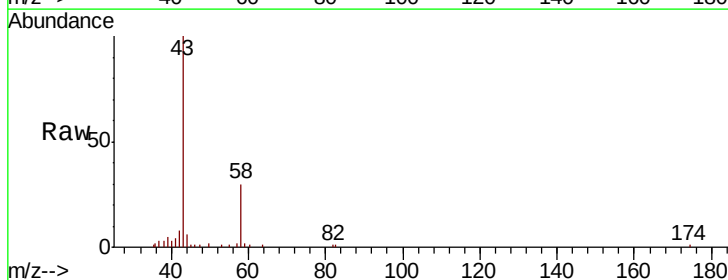
Instrument :
MSVOA_X
ClientSampleId :
S32-0658

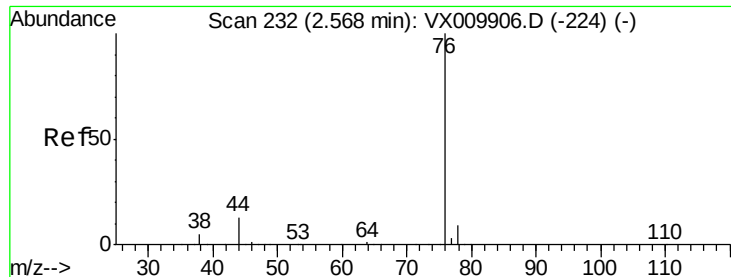
Tot Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
55 59.4 57.0 85.4



#16
Acetone
Concen: 7.959 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX009960.D
Acq: 30 May 2019 15:04

Tgt Ion: 43 Resp: 11231
Ion Ratio Lower Upper
43 100
58 30.7 23.2 34.8





#17

Carbon Disulfide

Concen: 1.215 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009960.D

Acq: 30 May 2019 15:04

Instrument :

MSVOA_X

ClientSampled :

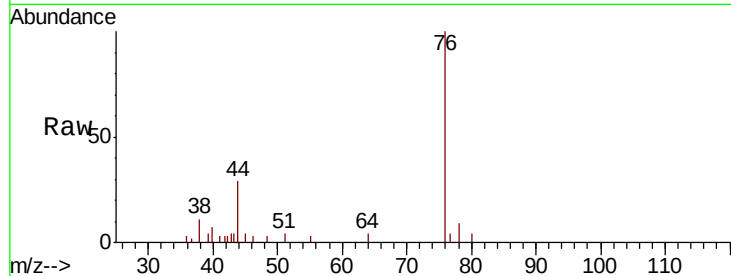
S32-0658

Tot Ion: 76 Resp: 4437

Ion Ratio Lower Upper

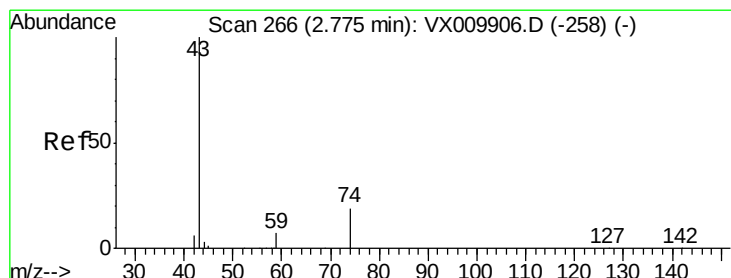
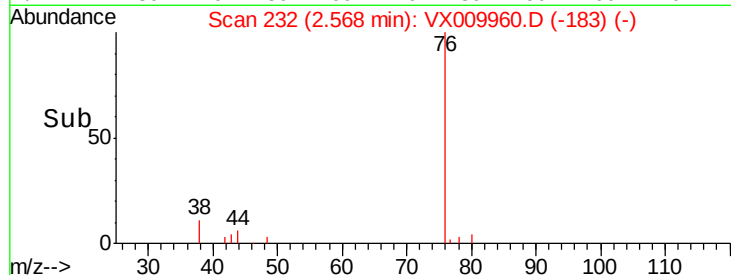
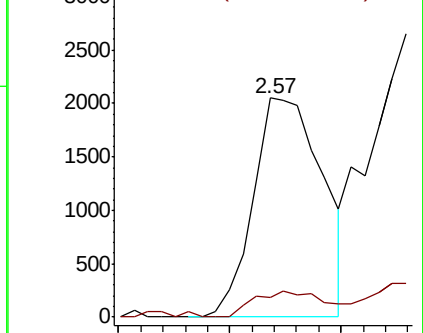
76 100

78 6.2 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.892 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009960.D

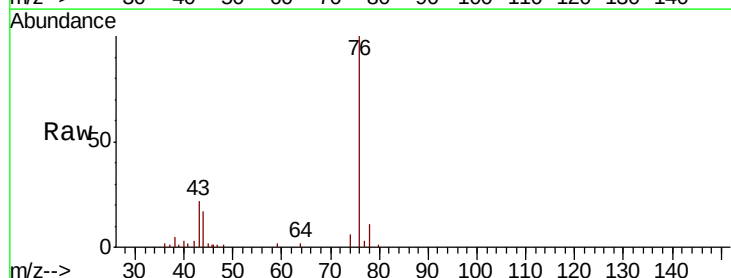
Acq: 30 May 2019 15:04

Tgt Ion: 43 Resp: 2930

Ion Ratio Lower Upper

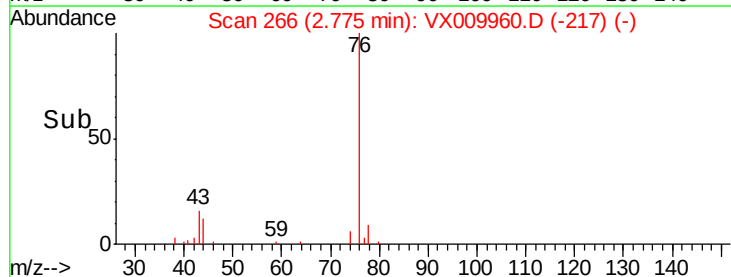
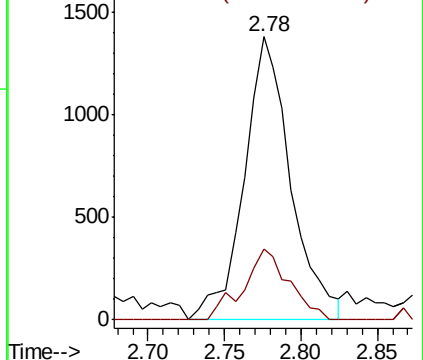
43 100

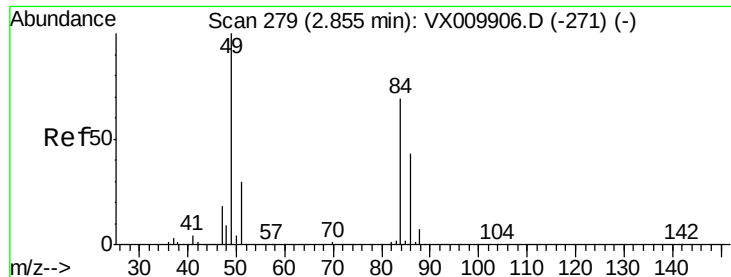
74 24.4 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

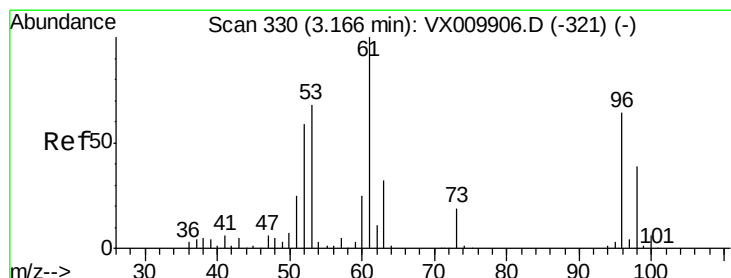
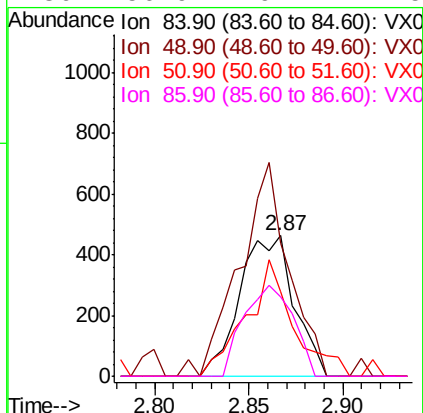
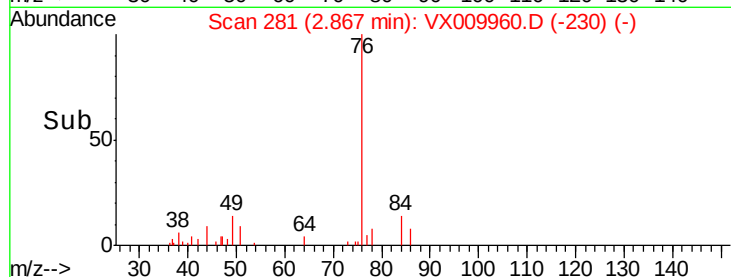
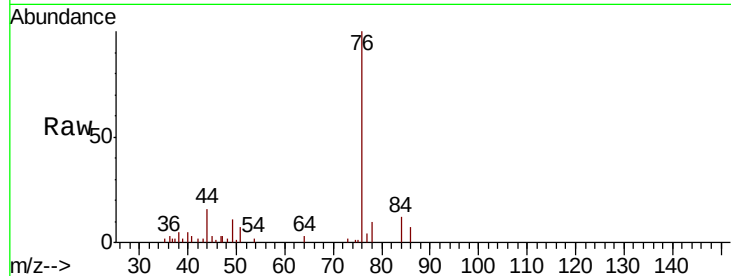




#20
Methylene Chloride
Concen: 0.429 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX009960.D
Acq: 30 May 2019 15:04

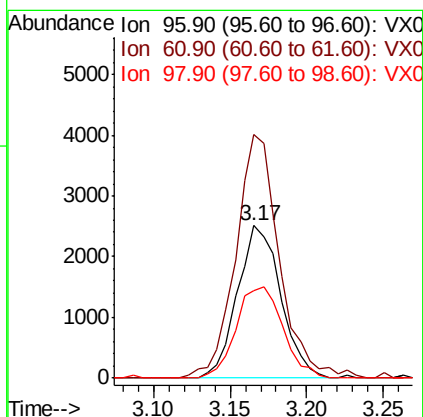
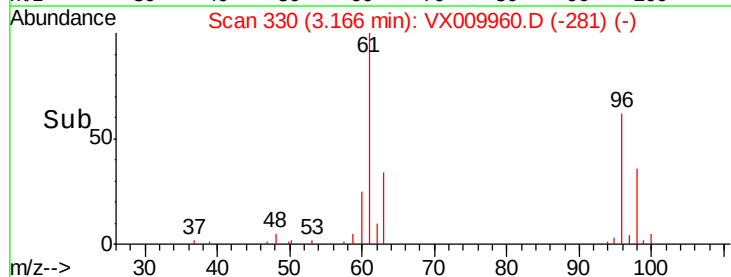
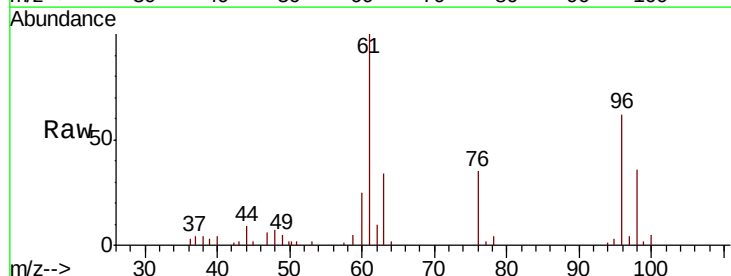
Instrument :
MSVOA_X
ClientSampled :
S32-0658

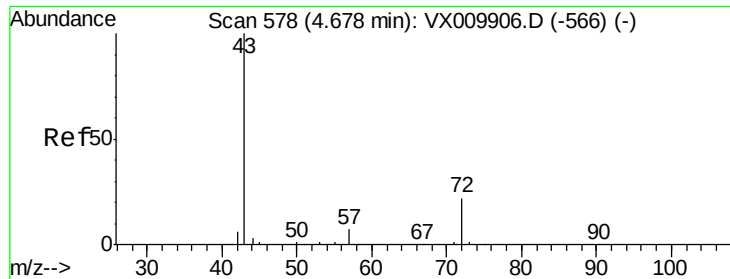
Tot Ion: 84 Resp: 926
Ion Ratio Lower Upper
84 100
49 94.8 115.8 173.6#
51 60.0 34.4 51.6#
86 56.9 49.7 74.5



#21
trans-1,2-Dichloroethene
Concen: 2.526 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX009960.D
Acq: 30 May 2019 15:04

Tgt Ion: 96 Resp: 4922
Ion Ratio Lower Upper
96 100
61 157.9 125.7 188.5
98 57.4 49.0 73.6





#25

2-Butanone

Concen: 0.687 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009960.D

Acq: 30 May 2019 15:04

Instrument :

MSVOA_X

ClientSampled :

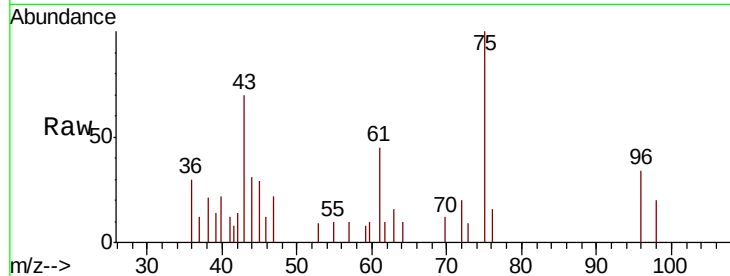
S32-0658

Tot Ion: 43 Resp: 1510

Ion Ratio Lower Upper

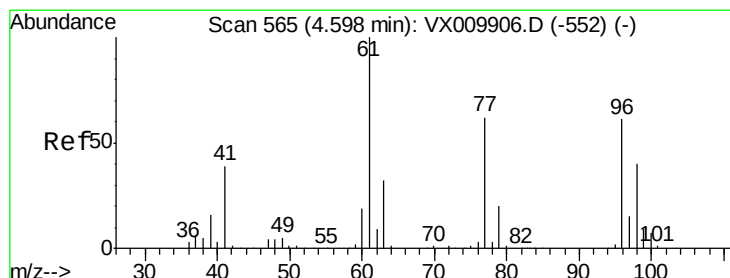
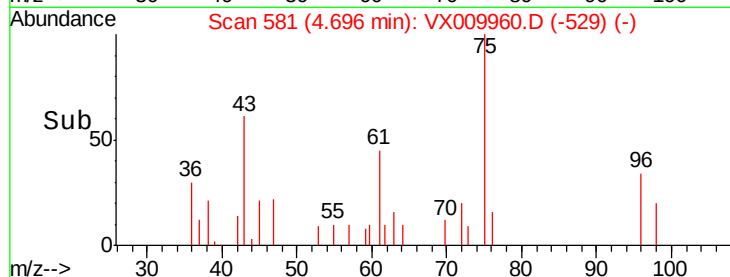
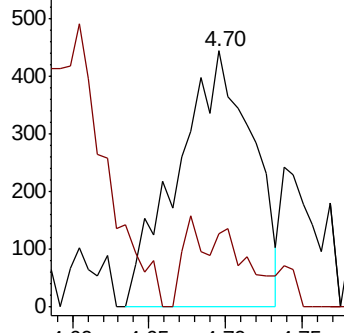
43 100

72 16.4 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 67.504 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX009960.D

Acq: 30 May 2019 15:04

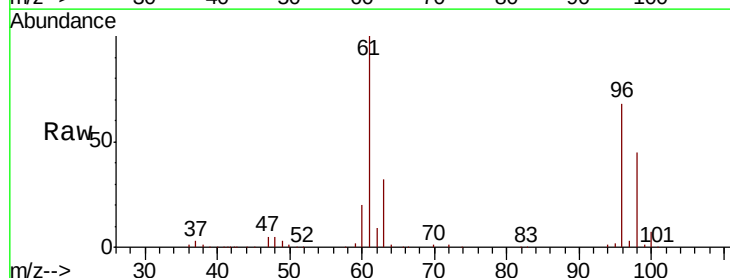
Tgt Ion: 96 Resp: 151814

Ion Ratio Lower Upper

96 100

61 146.5 0.0 334.0

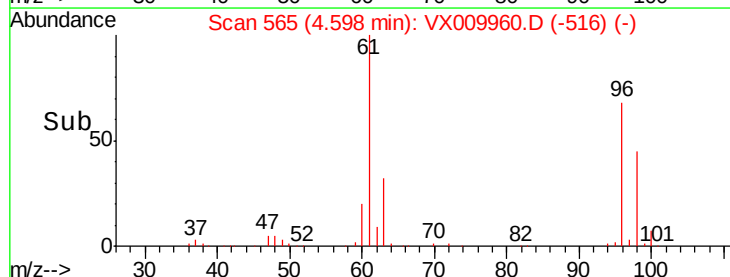
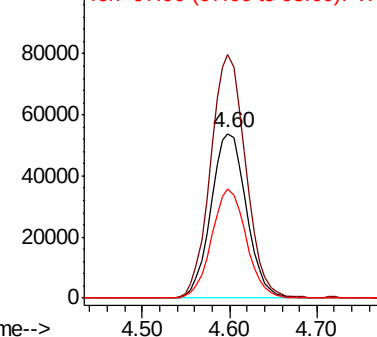
98 65.1 0.0 131.6

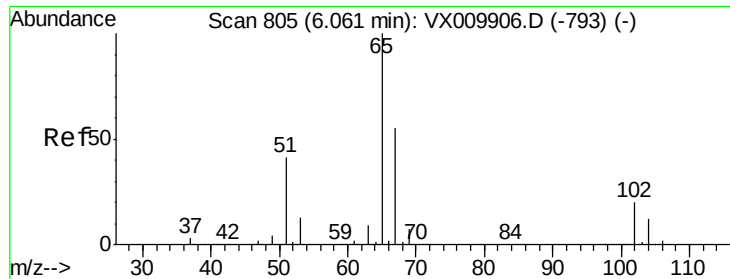


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

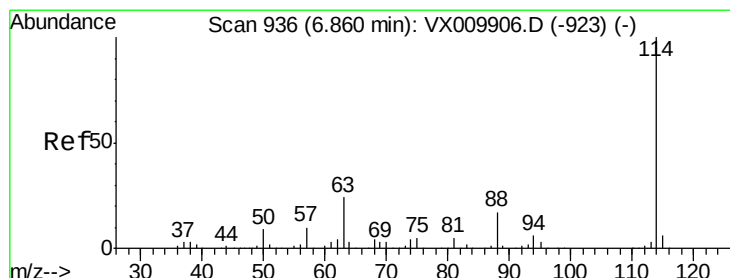
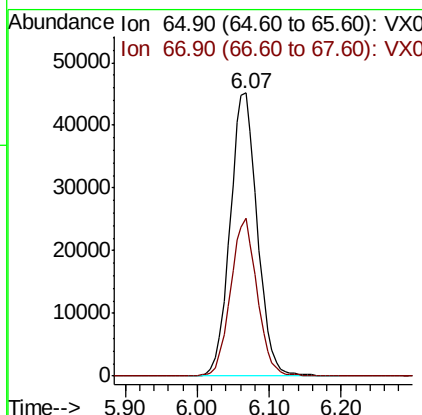
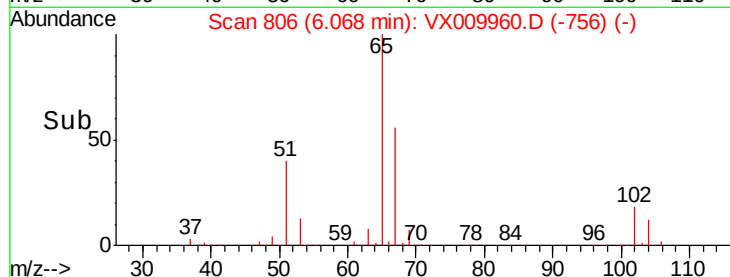
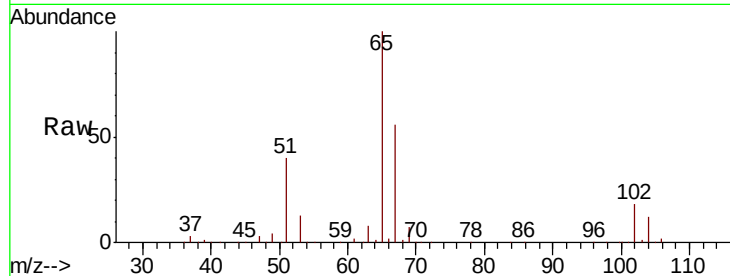




#33
 1,2-Dichloroethane-d4
 Concen: 48.505 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX009960.D
 Acq: 30 May 2019 15:04

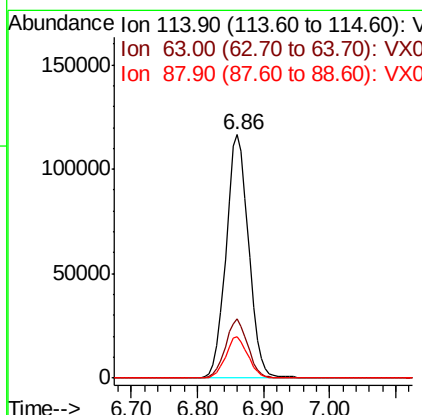
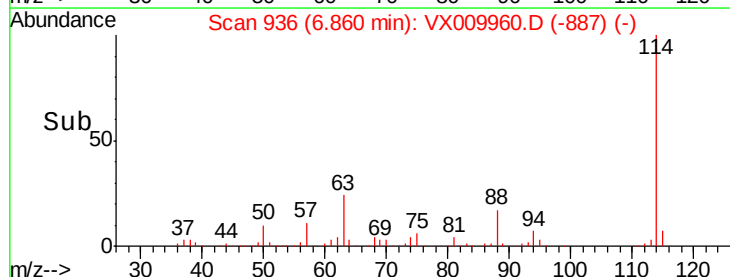
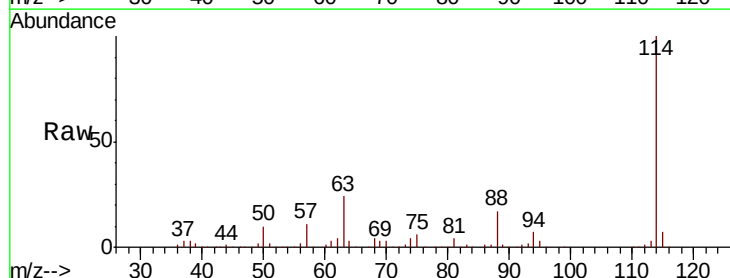
Instrument :
 MSVOA_X
 ClientSampled :
 S32-0658

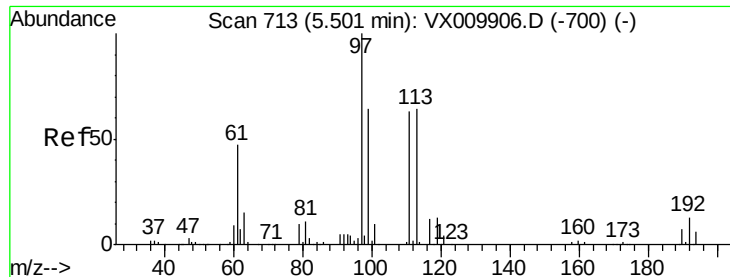
Tot Ion: 65 Resp: 118466
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009960.D
 Acq: 30 May 2019 15:04

Tgt Ion: 114 Resp: 276151
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 47.4
 88 17.0 0.0 33.0

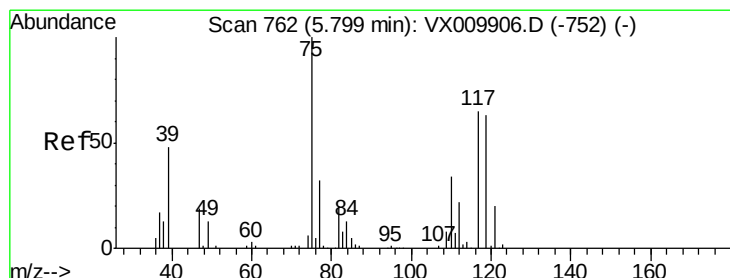
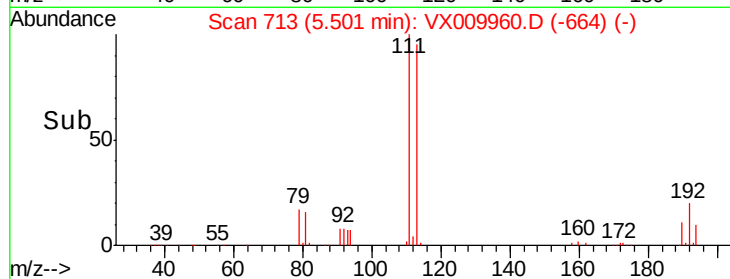
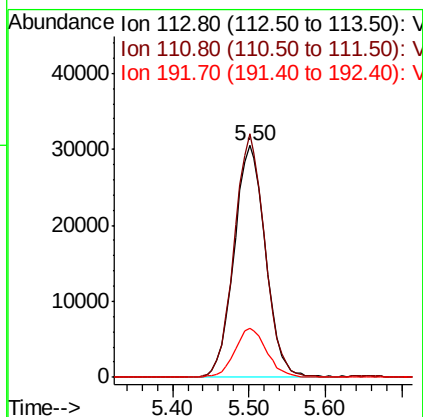
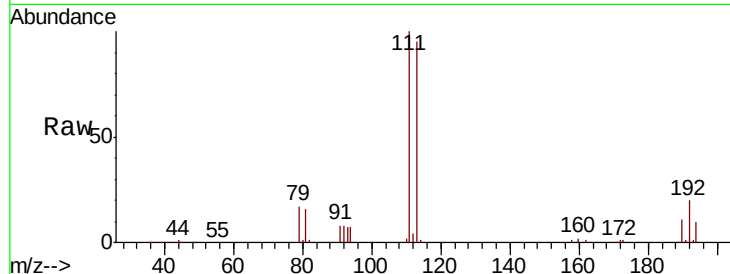




#35
 Dibromofluoromethane
 Concen: 50.019 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009960.D
 Acq: 30 May 2019 15:04

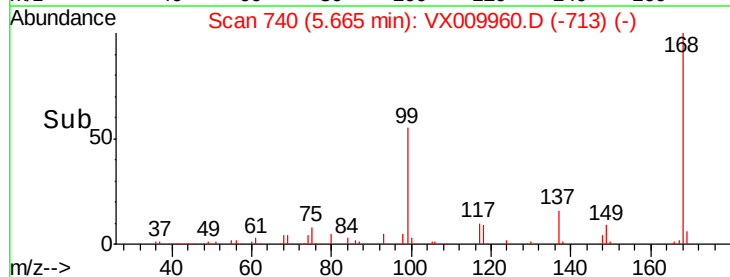
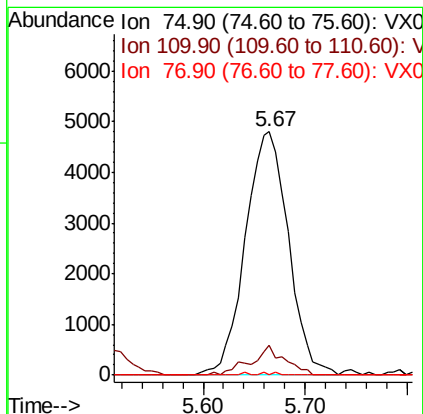
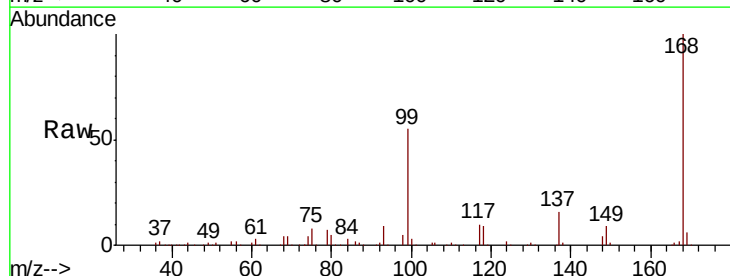
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0658

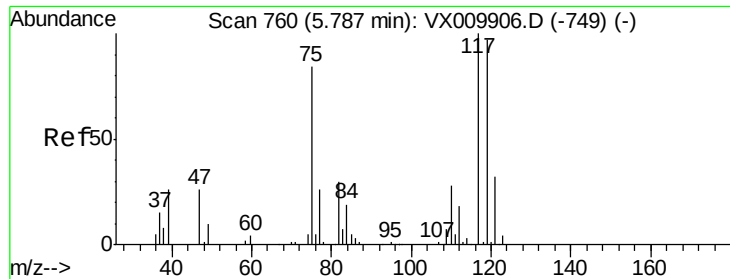
Tot Ion:113 Resp: 86841
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.2 123.2
 192 21.3 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 5.019 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009960.D
 Acq: 30 May 2019 15:04

Tgt Ion: 75 Resp: 14064
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.7 50.1#
 77 0.3 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.945 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009960.D

Acq: 30 May 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

S32-0658

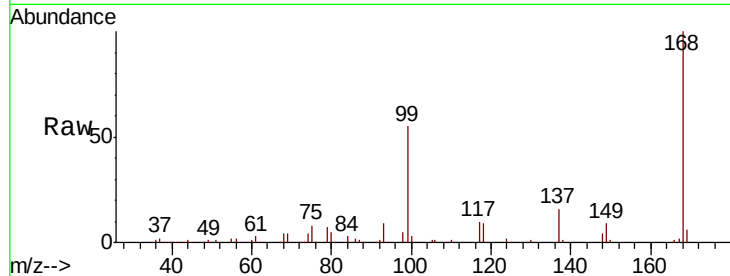
Tot Ion:117 Resp: 16816

Ion Ratio Lower Upper

117 100

119 3.5 77.3 115.9#

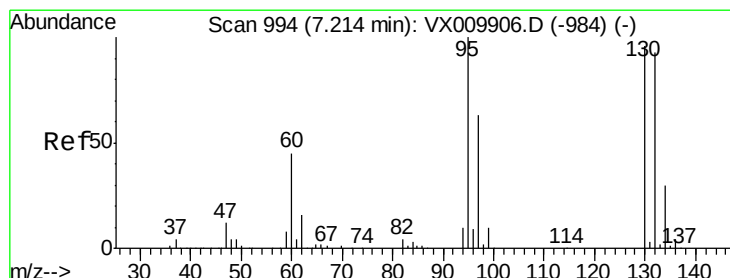
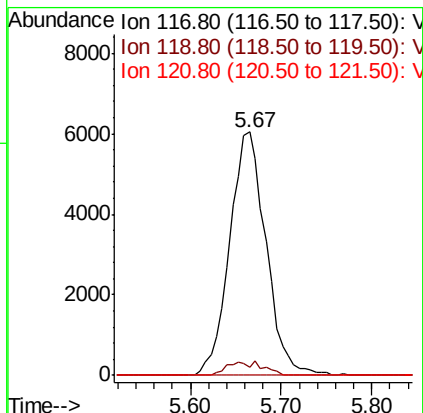
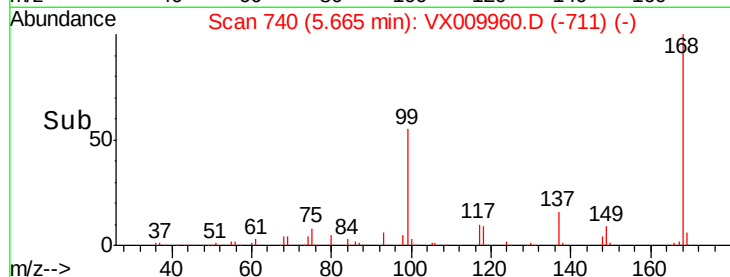
121 0.0 25.4 38.0#



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: 0.604 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009960.D

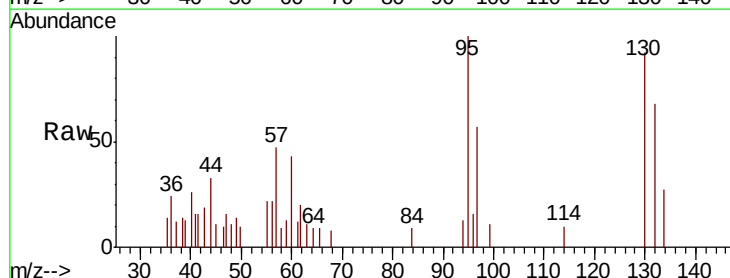
Acq: 30 May 2019 15:04

Tgt Ion:130 Resp: 1219

Ion Ratio Lower Upper

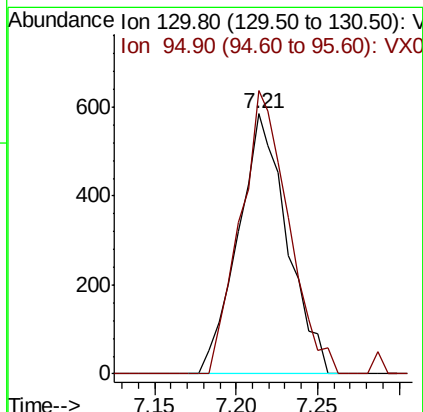
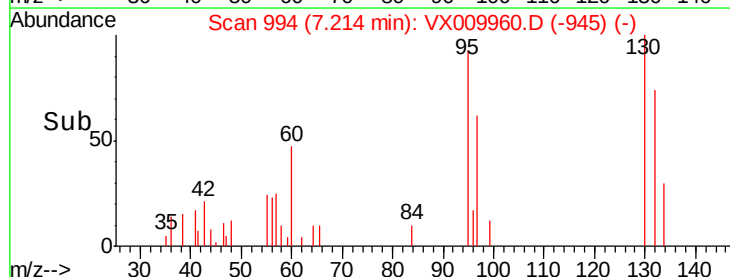
130 100

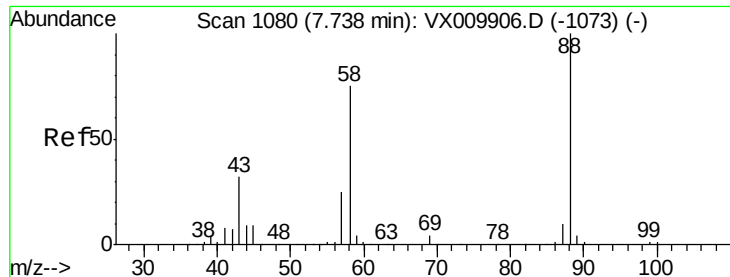
95 108.9 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

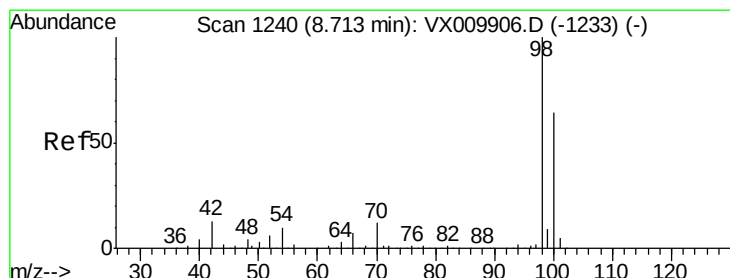
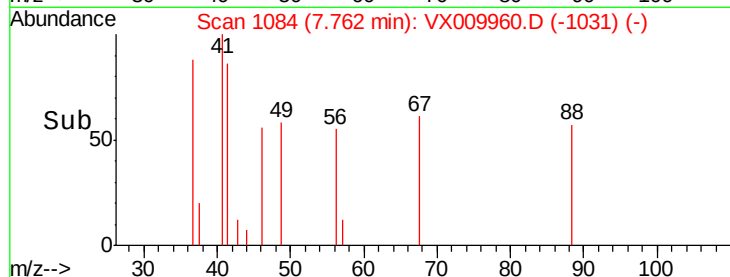
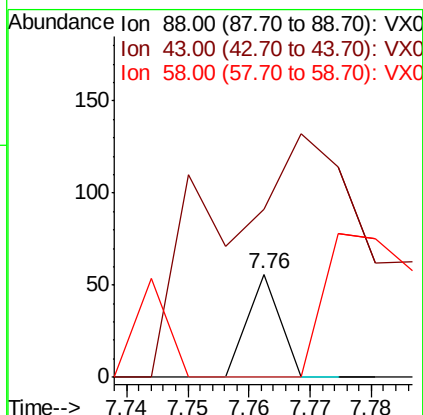
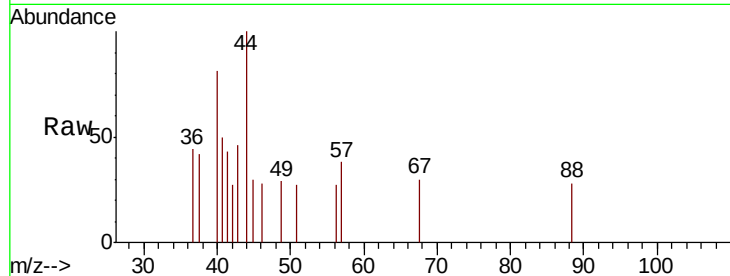




#49
 1,4-Dioxane
 Concen: 0.345 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. 0.02 min
 Lab File: VX009960.D
 Acq: 30 May 2019 15:04

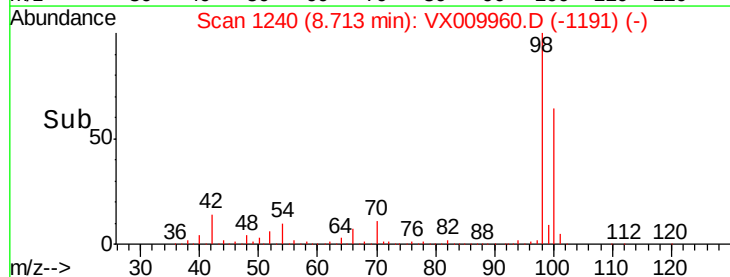
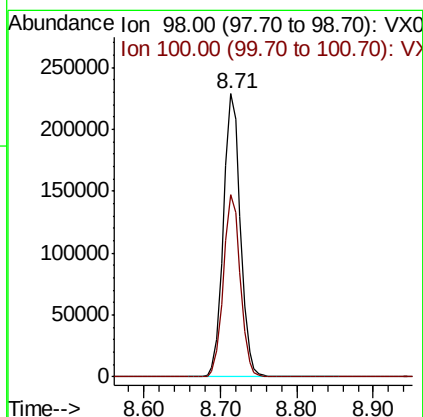
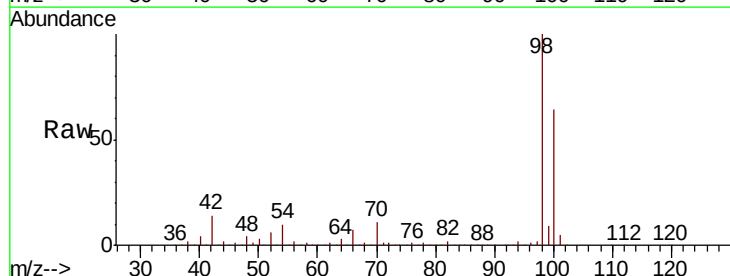
Instrument :
 MSVOA_X
 ClientSampled :
 S32-0658

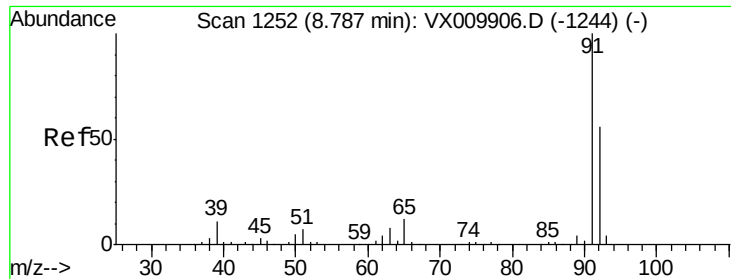
Tot Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 1180.0 30.2 45.4#
 58 385.0 64.0 96.0#



#50
 Toluene-d8
 Concen: 49.821 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009960.D
 Acq: 30 May 2019 15:04

Tgt Ion: 98 Resp: 351251
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.5 77.3





#52

Toluene

Concen: 0.420 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009960.D

Acq: 30 May 2019 15:04

Instrument :

MSVOA_X

ClientSampled :

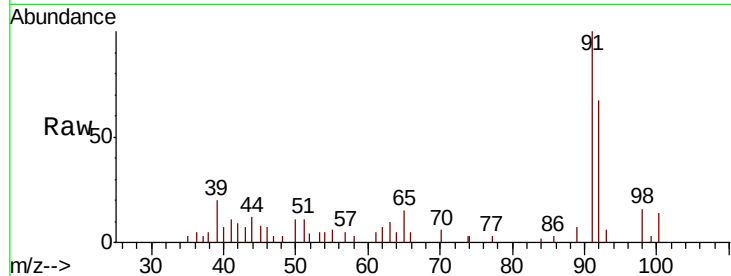
S32-0658

Tot Ion: 92 Resp: 2122

Ion Ratio Lower Upper

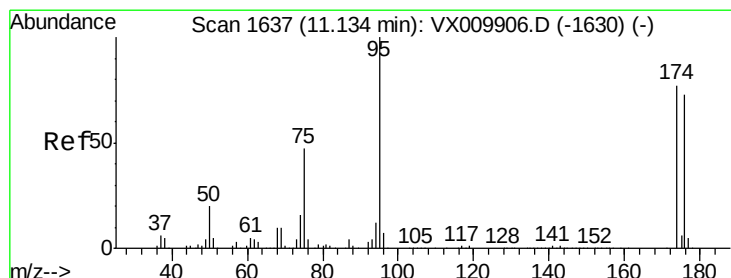
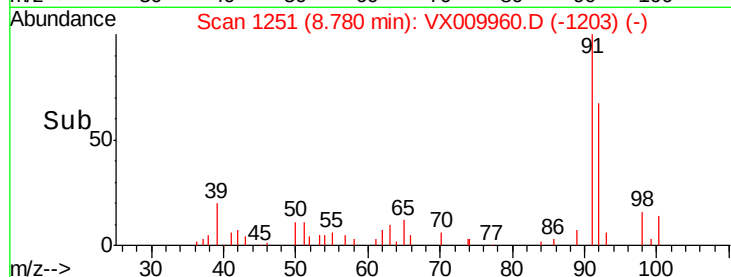
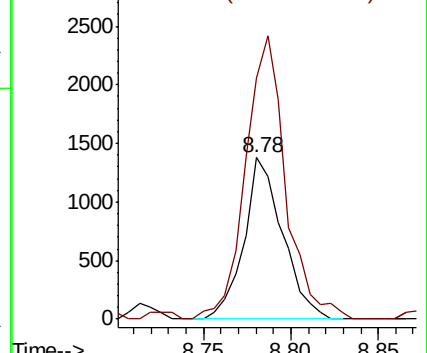
92 100

91 181.7 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.896 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009960.D

Acq: 30 May 2019 15:04

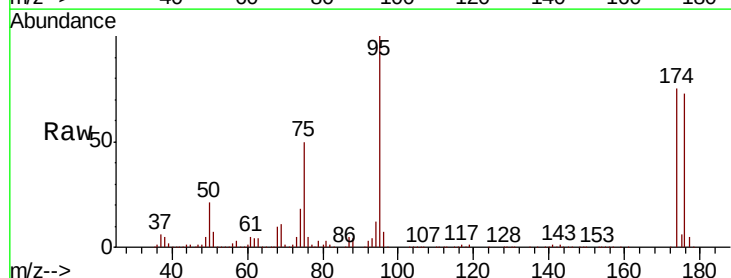
Tgt Ion: 95 Resp: 118755

Ion Ratio Lower Upper

95 100

174 81.4 0.0 160.4

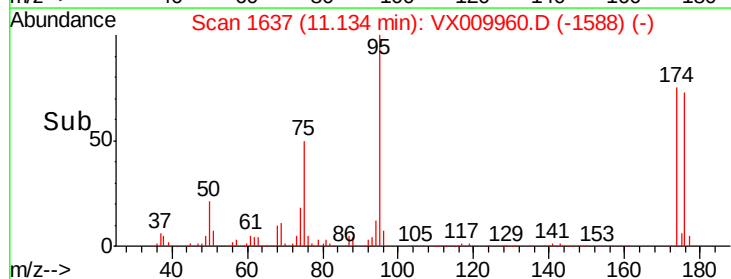
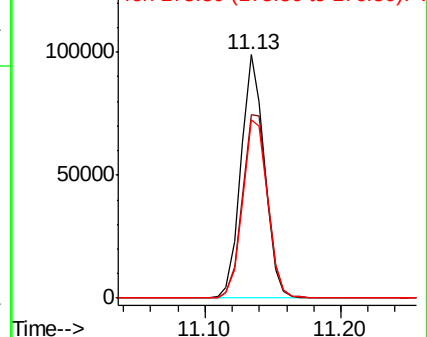
176 77.8 0.0 154.6

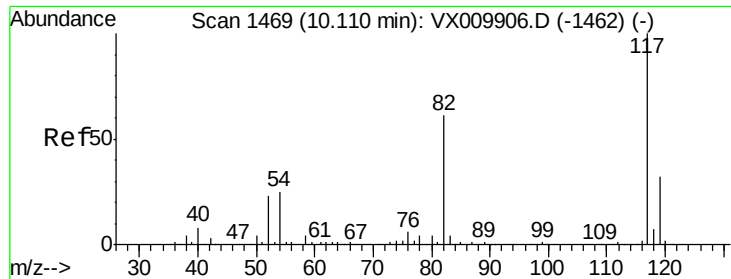


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

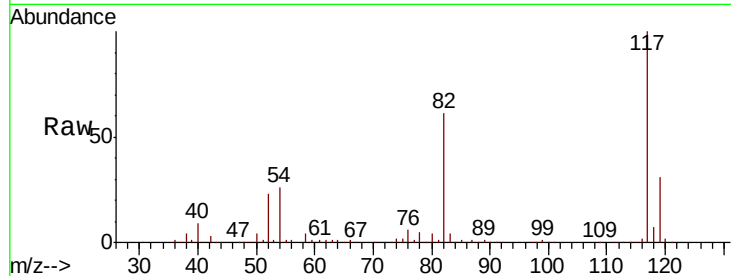




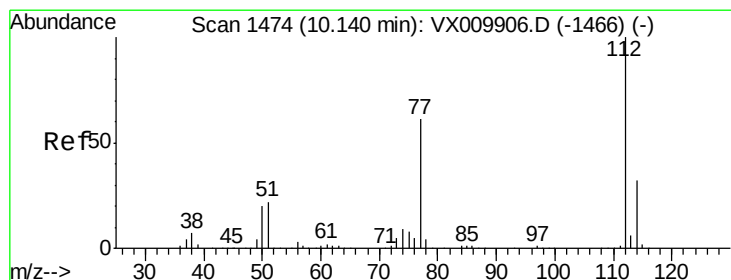
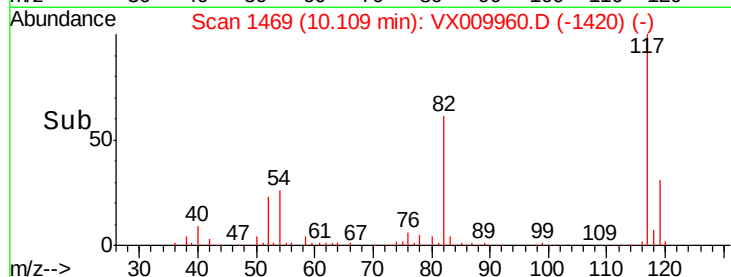
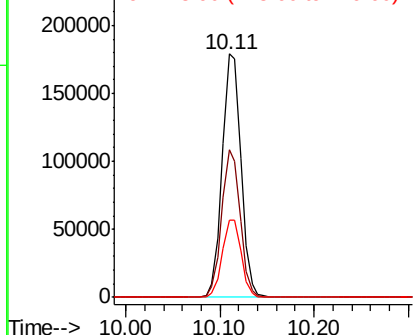
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009960.D
Acq: 30 May 2019 15:04

Instrument :
MSVOA_X
ClientSampleId :
S32-0658

Tot Ion:117 Resp: 248758
Ion Ratio Lower Upper
117 100
82 60.6 49.2 73.8
119 31.5 25.2 37.8

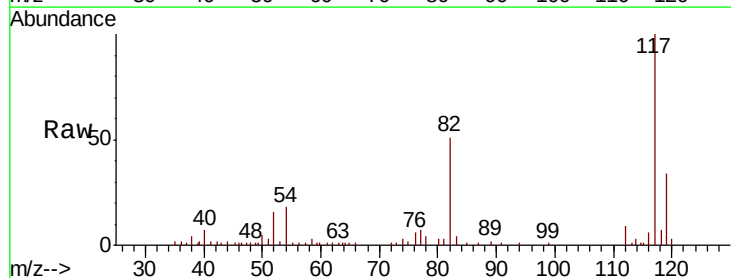


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

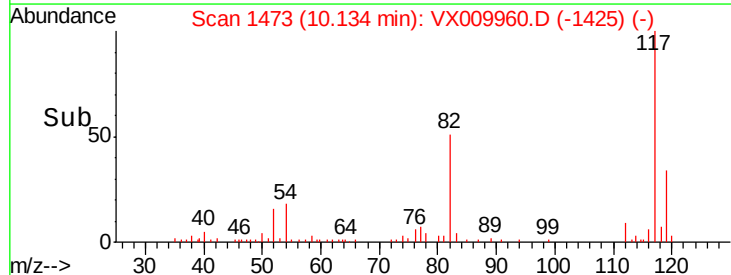
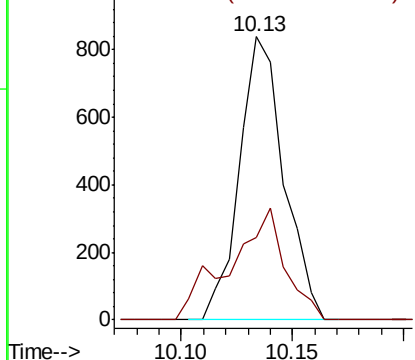


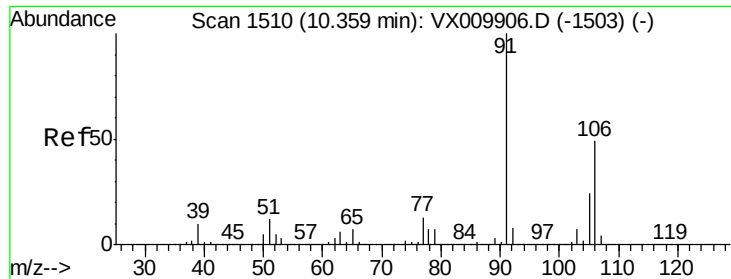
#65
Chlorobenzene
Concen: 0.225 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX009960.D
Acq: 30 May 2019 15:04

Tgt Ion:112 Resp: 1170
Ion Ratio Lower Upper
112 100
114 29.4 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

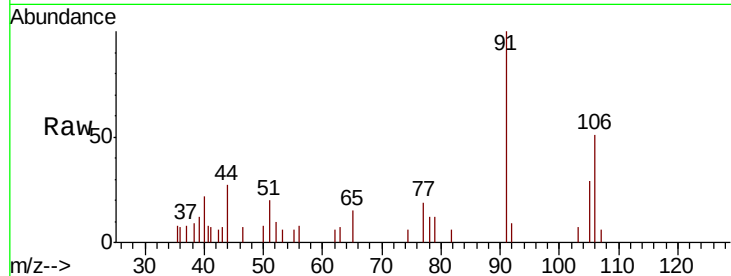




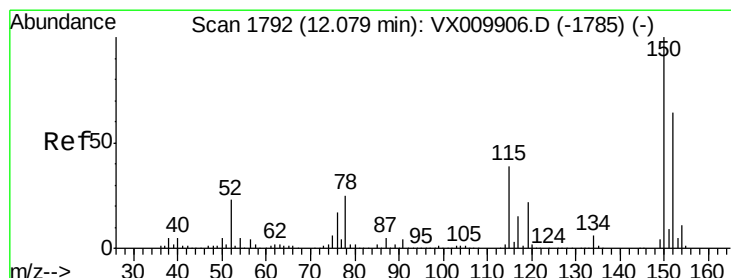
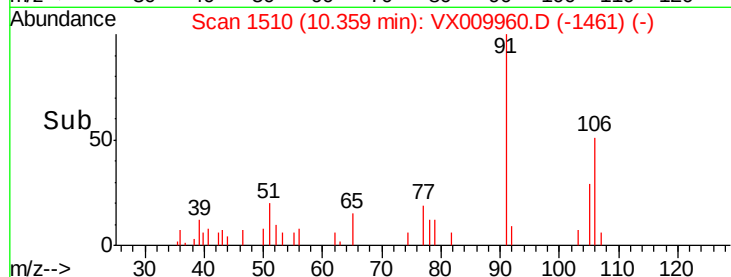
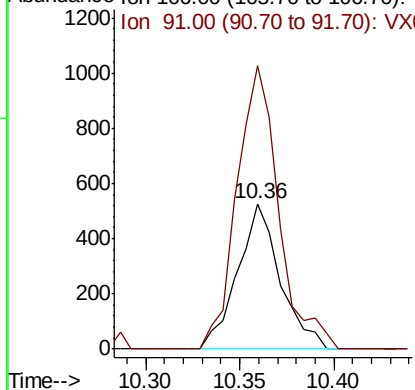
#68
m/p-Xvlenes
Concen: 0.238 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009960.D
Acq: 30 May 2019 15:04

Instrument :
MSVOA_X
ClientSampled :
S32-0658

Tot Ion:106 Resp: 822
Ion Ratio Lower Upper
106 100
91 191.4 167.3 250.9

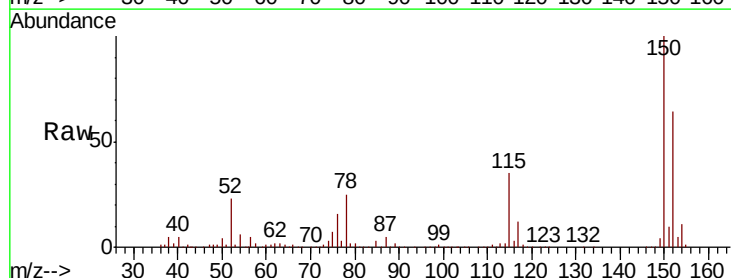


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

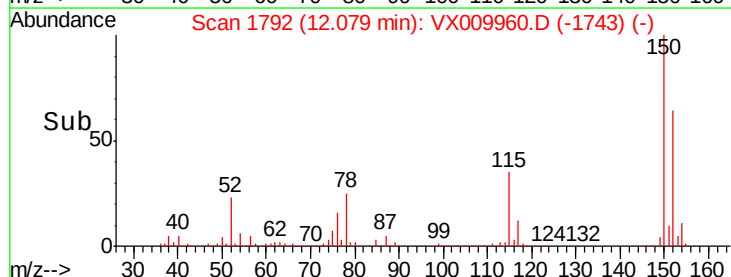
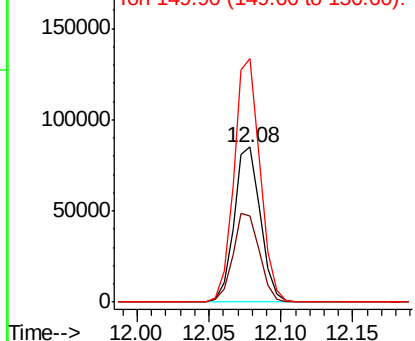


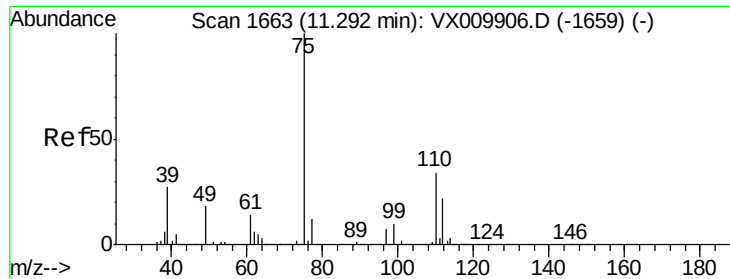
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009960.D
Acq: 30 May 2019 15:04

Tgt Ion:152 Resp: 108673
Ion Ratio Lower Upper
152 100
115 57.9 41.4 124.2
150 155.4 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

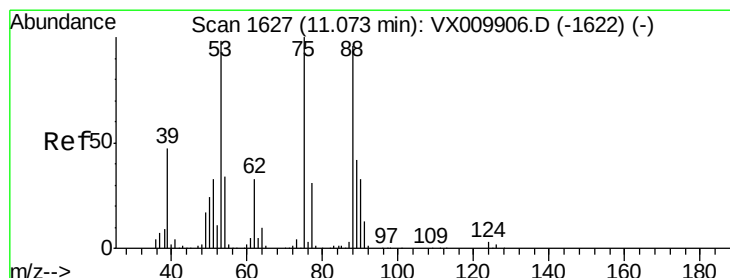
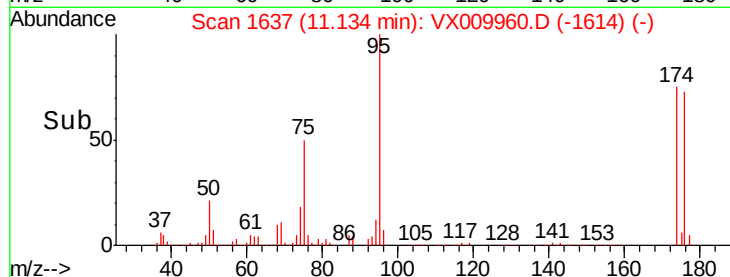
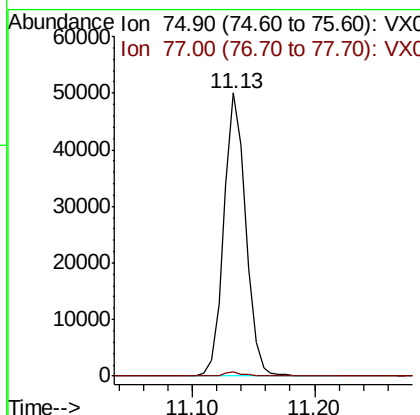
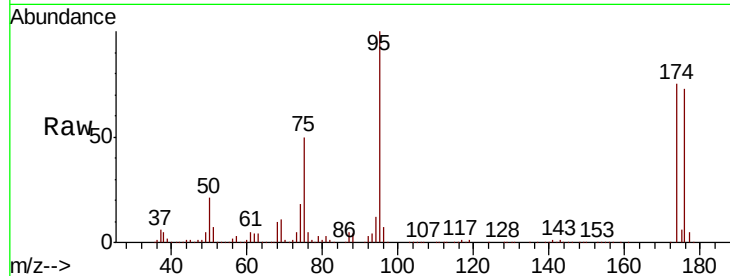




#76
 1,2,3-Trichloropropane
 Concen: 23.706 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009960.D
 Acq: 30 May 2019 15:04

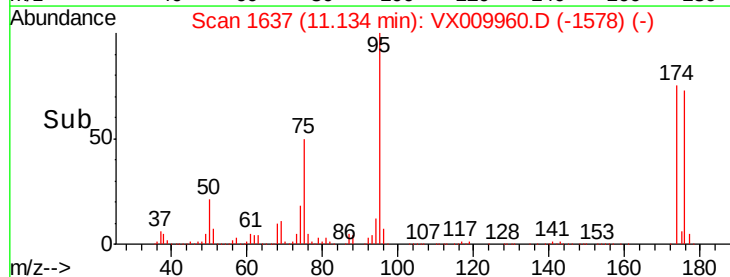
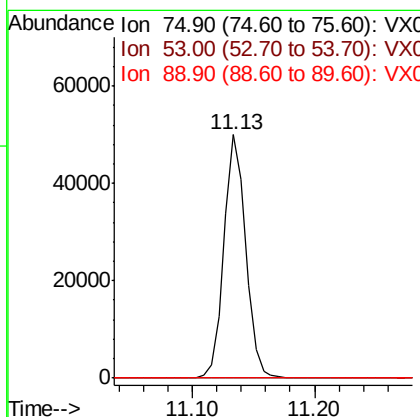
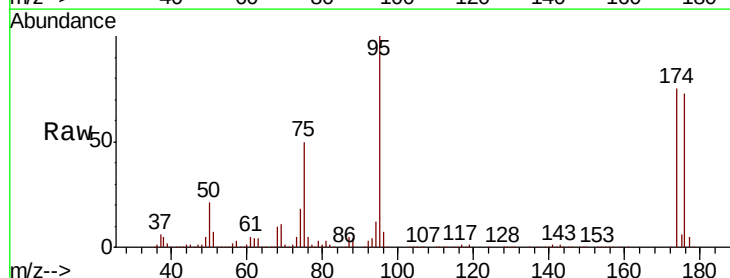
Instrument :
 MSVOA_X
 ClientSampled :
 S32-0658

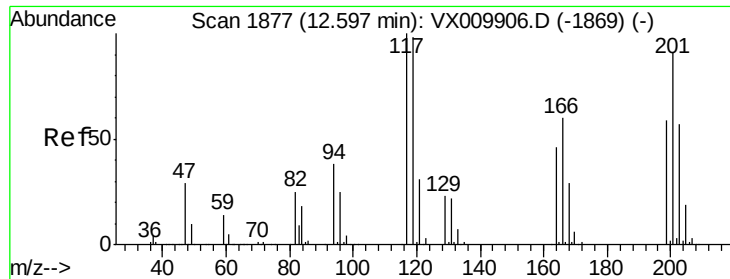
Tot Ion: 75 Resp: 61605
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.652 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009960.D
 Acq: 30 May 2019 15:04

Tgt Ion: 75 Resp: 61605
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.8 119.6#
 89 0.0 34.2 51.4#





#90

Hexachloroethane

Concen: 0.214 ug/l

RT: 12.75 min Scan# 1902

Delta R.T. 0.15 min

Lab File: VX009960.D

Acq: 30 May 2019 15:04

Instrument :

MSVOA_X

ClientSampled :

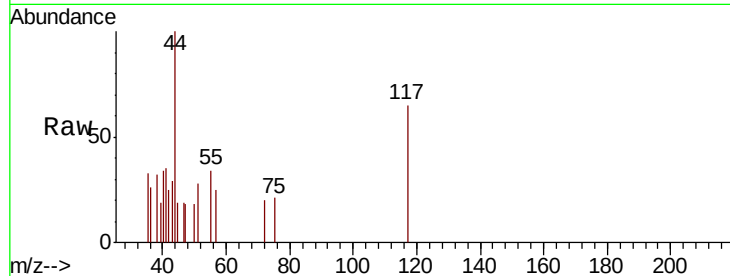
S32-0658

Tot Ion:117 Resp: 254

Ion Ratio Lower Upper

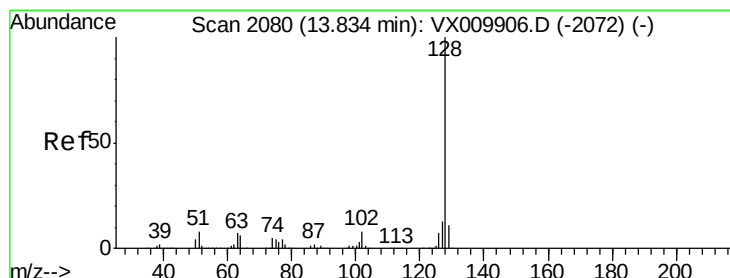
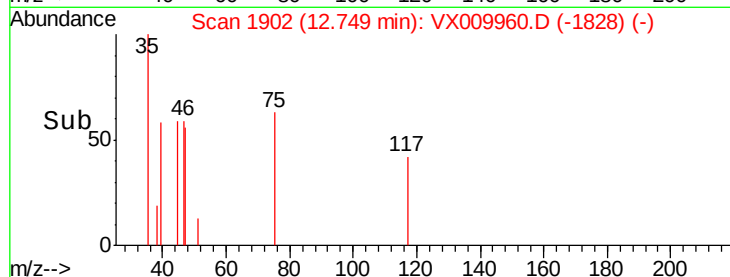
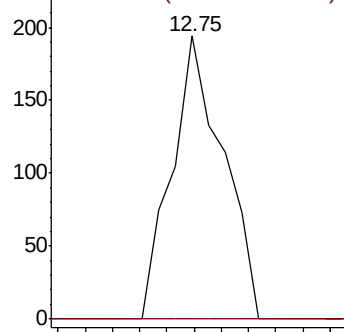
117 100

201 0.0 43.6 130.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 0.423 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009960.D

Acq: 30 May 2019 15:04

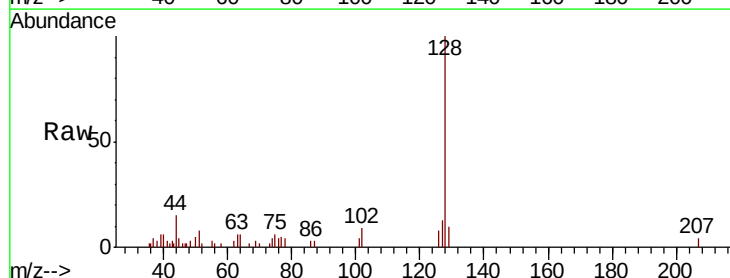
Tgt Ion:128 Resp: 3371

Ion Ratio Lower Upper

128 100

127 14.2 10.6 16.0

129 11.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

