

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052819\
 Data File : VX009921.D
 Acq On : 28 May 2019 17:43
 Operator : JC/SP
 Sample : K3032-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0654

Quant Time: May 29 04:12:10 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	182800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	295463	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114650	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	123902	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
35) Dibromofluoromethane	5.50	113	90840	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
50) Toluene-d8	8.71	98	375635	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	11.13	95	126871	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	

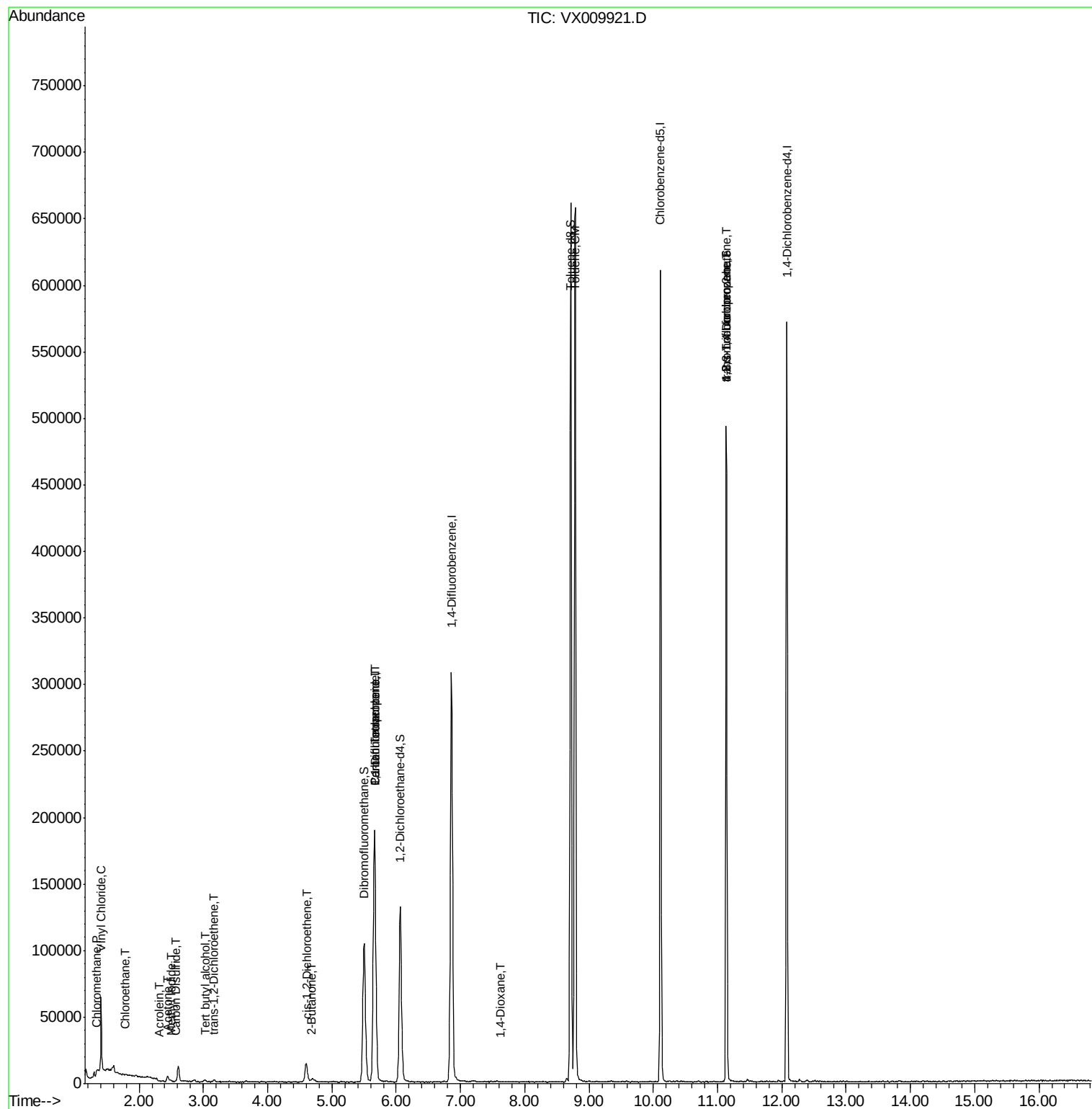
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1119	0.373	ug/l	91
4) Vinyl Chloride	1.41	62	35118	12.972	ug/l	97
6) Chloroethane	1.79	64	659	0.395	ug/l #	43
10) Methyl Iodide	2.51	142	336	4.793	ug/l #	49
11) Tert butyl alcohol	3.02	59	1272	2.002	ug/l #	88
13) Acrolein	2.31	56	60	21.219	ug/l #	3
16) Acetone	2.45	43	4747	3.182	ug/l	97
17) Carbon Disulfide	2.57	76	1742	0.693	ug/l #	79
21) trans-1,2-Dichloroethene	3.17	96	558	0.271	ug/l #	66
25) 2-Butanone	4.68	43	503	0.216	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	8771	3.689	ug/l	89
36) 1,1-Dichloropropene	5.67	75	14297	4.769	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17385	6.711	ug/l #	16
49) 1,4-Dioxane	7.62	88	19	0.306	ug/l #	1
52) Toluene	8.79	92	242567	44.925	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	66129	24.120	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66129	59.677	ug/l #	10

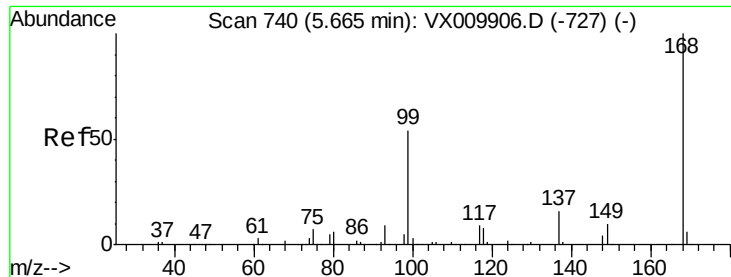
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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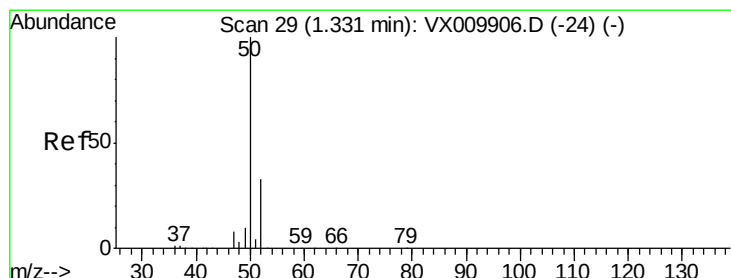
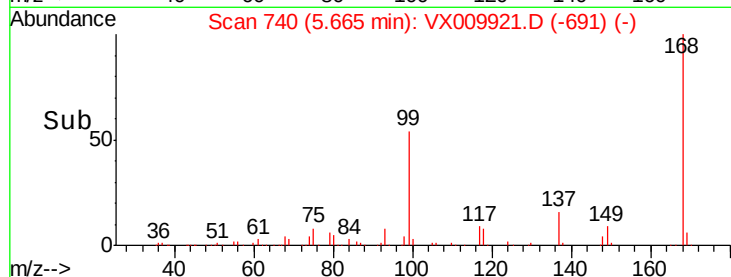
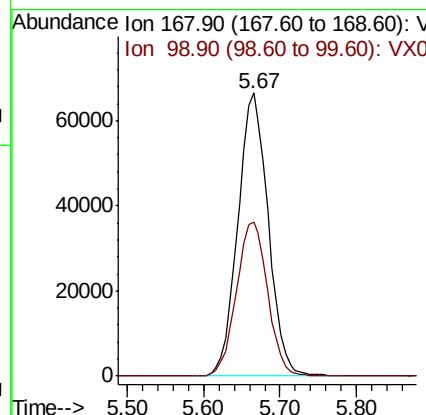
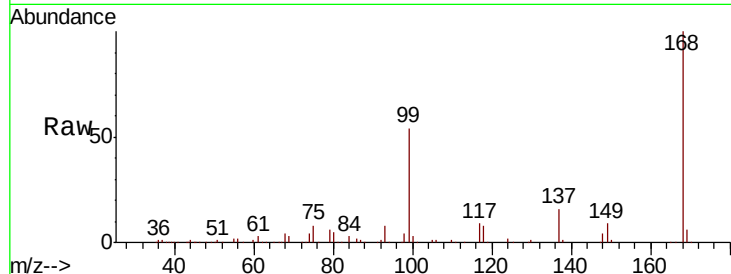




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX009921.D
Acq: 28 May 2019 17:43

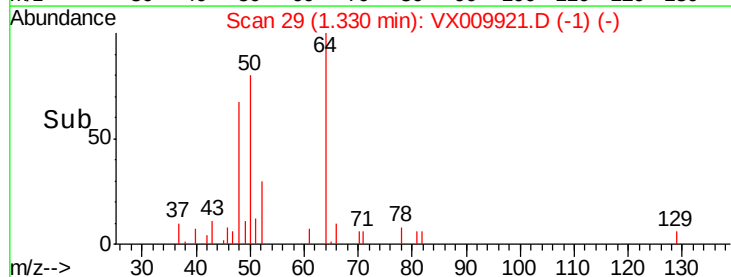
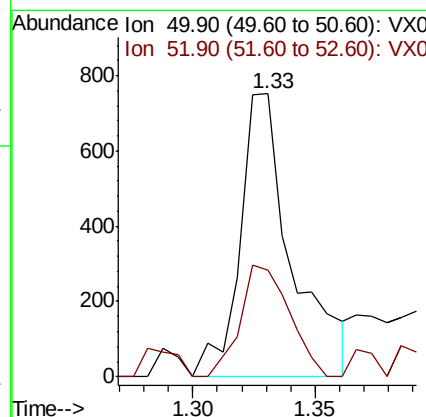
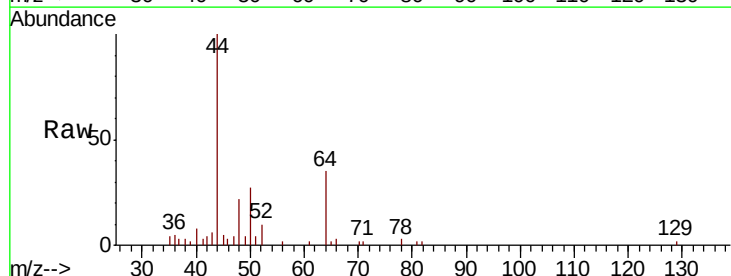
Instrument :
MSVOA_X
ClientSampleId :
S32-0654

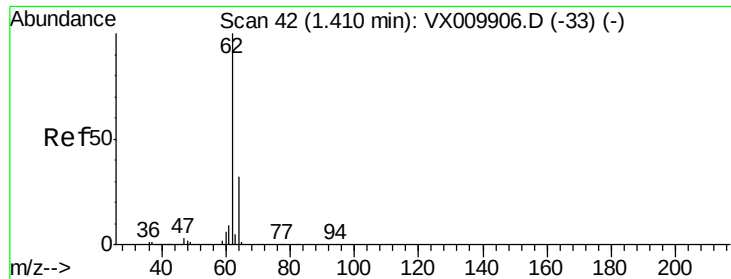
Tot Ion:168 Resp: 182800
Ion Ratio Lower Upper
168 100
99 54.4 43.0 64.6



#3
Chloromethane
Concen: 0.373 ug/l
RT: 1.33 min Scan# 29
Delta R.T. -0.00 min
Lab File: VX009921.D
Acq: 28 May 2019 17:43

Tgt Ion: 50 Resp: 1119
Ion Ratio Lower Upper
50 100
52 37.5 26.0 39.0





#4

Vinyl Chloride

Concen: 12.972 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009921.D

Acq: 28 May 2019 17:43

Instrument :

MSVOA_X

ClientSampleId :

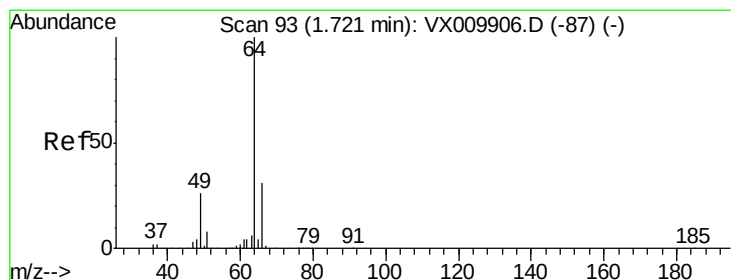
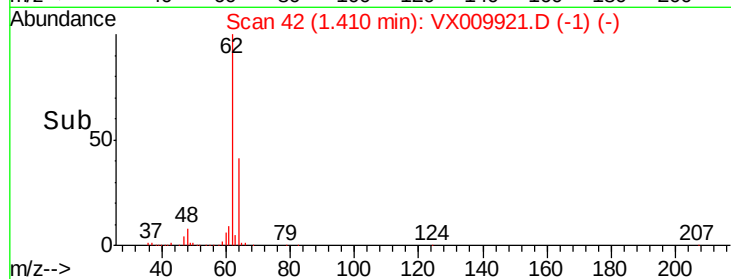
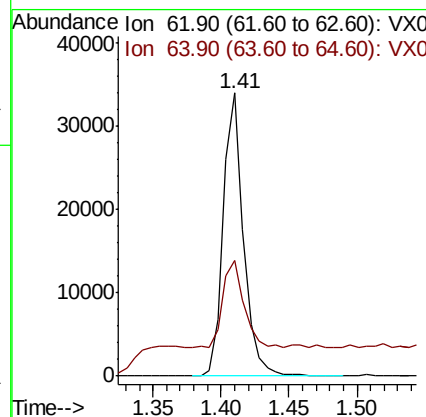
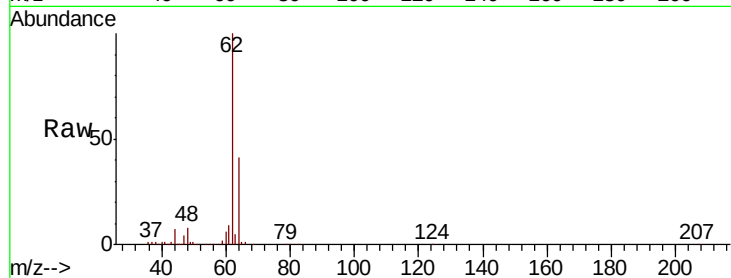
S32-0654

Tot Ion: 62 Resp: 35118

Ion Ratio Lower Upper

62 100

64 30.4 25.7 38.5



#6

Chloroethane

Concen: 0.395 ug/l

RT: 1.79 min Scan# 104

Delta R.T. 0.07 min

Lab File: VX009921.D

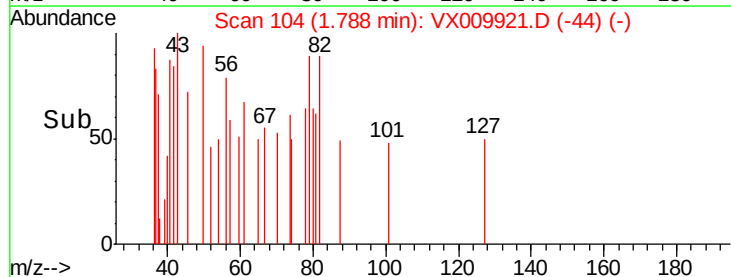
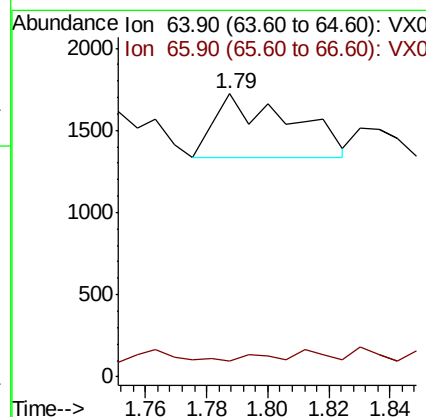
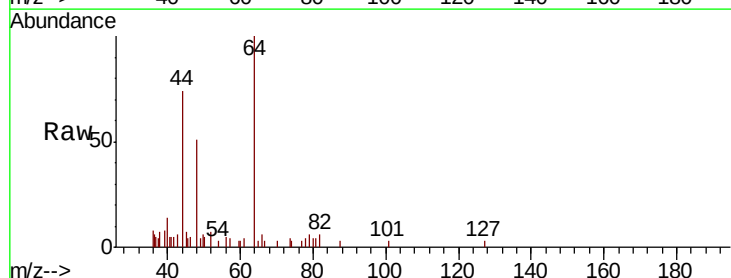
Acq: 28 May 2019 17:43

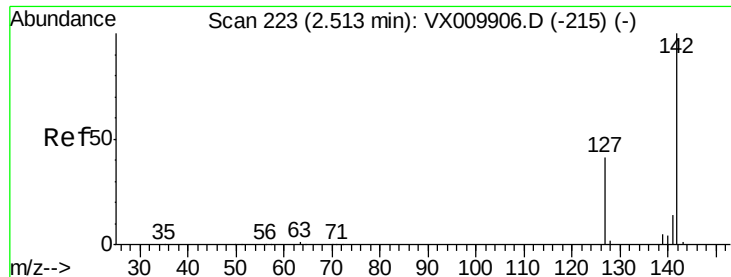
Tgt Ion: 64 Resp: 659

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

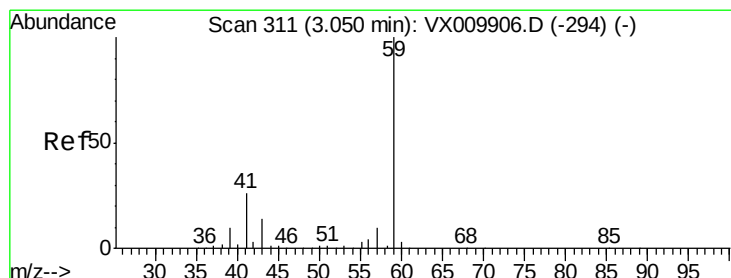
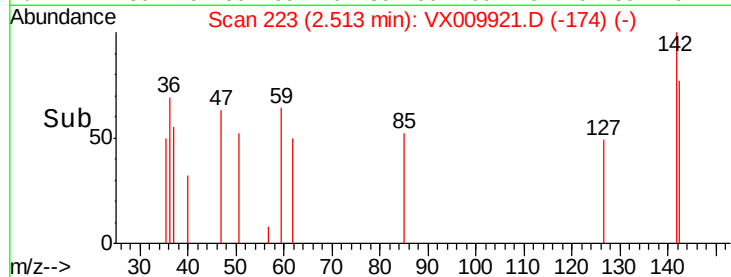
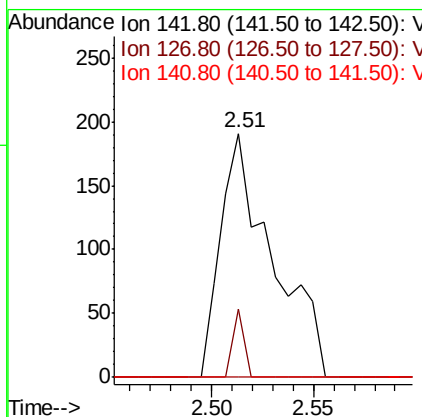
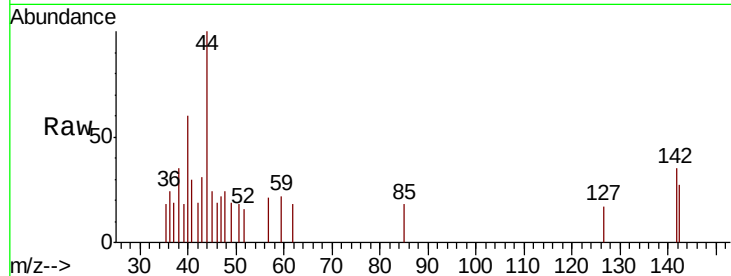




#10
Methvl Iodide
Concen: 4.793 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX009921.D
Acq: 28 May 2019 17:43

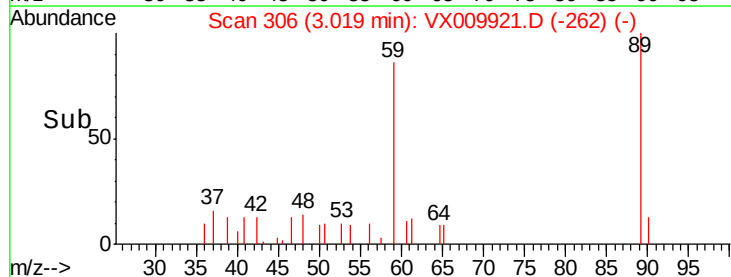
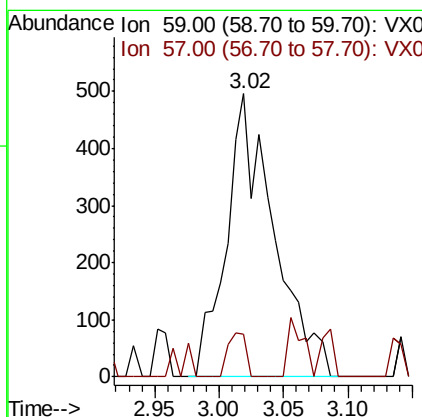
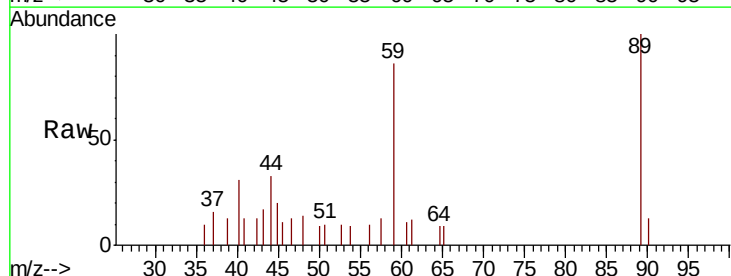
Instrument :
MSVOA_X
ClientSampleId :
S32-0654

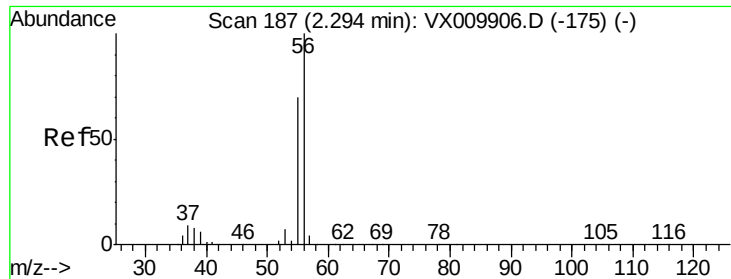
Tot Ion:142 Resp: 336
Ion Ratio Lower Upper
142 100
127 5.7 33.0 49.4#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.002 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009921.D
Acq: 28 May 2019 17:43

Tgt Ion: 59 Resp: 1272
Ion Ratio Lower Upper
59 100
57 5.9 8.2 12.2#





#13

Acrolein

Concen: 21.219 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX009921.D

Acq: 28 May 2019 17:43

Instrument :

MSVOA_X

ClientSampleId :

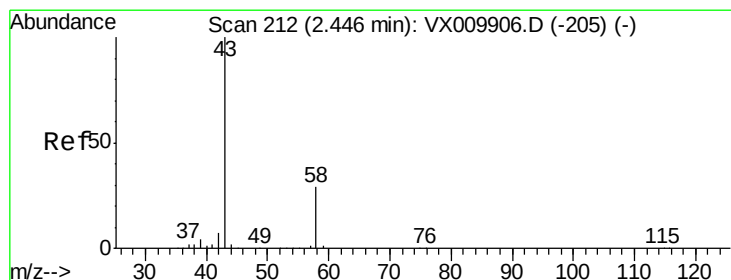
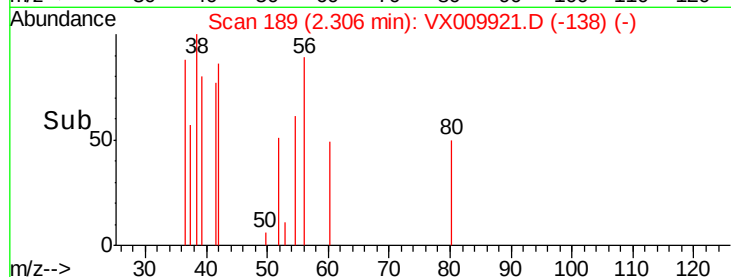
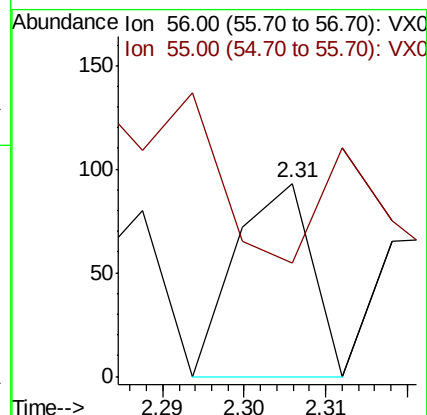
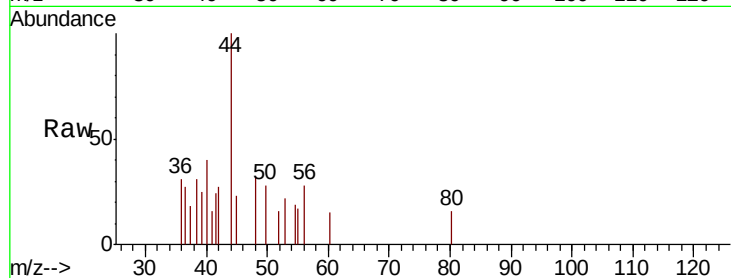
S32-0654

Tot Ion: 56 Resp: 60

Ion Ratio Lower Upper

56 100

55 151.7 57.0 85.4#



#16

Acetone

Concen: 3.182 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009921.D

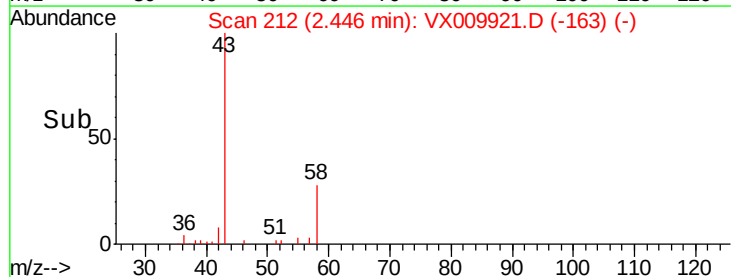
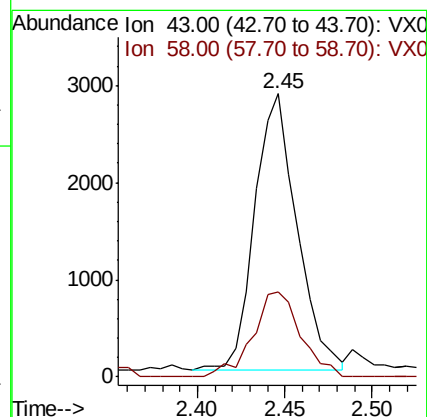
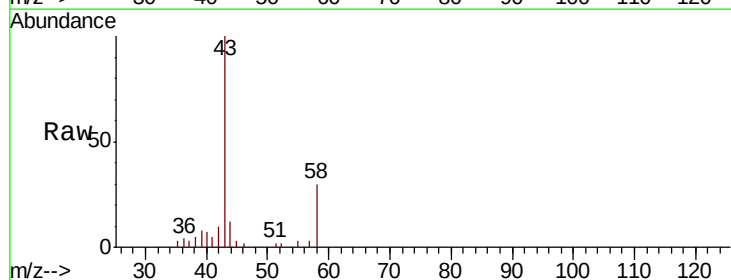
Acq: 28 May 2019 17:43

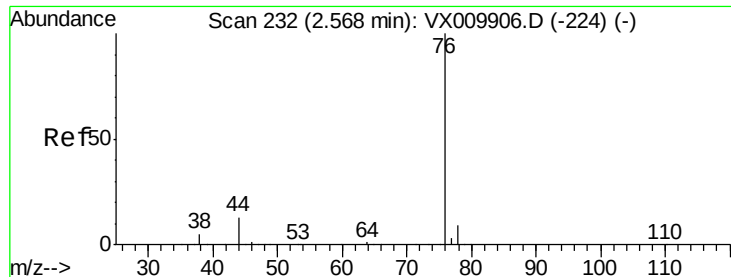
Tgt Ion: 43 Resp: 4747

Ion Ratio Lower Upper

43 100

58 30.6 23.2 34.8





#17

Carbon Disulfide

Concen: 0.693 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009921.D

Acq: 28 May 2019 17:43

Instrument :

MSVOA_X

ClientSampleId :

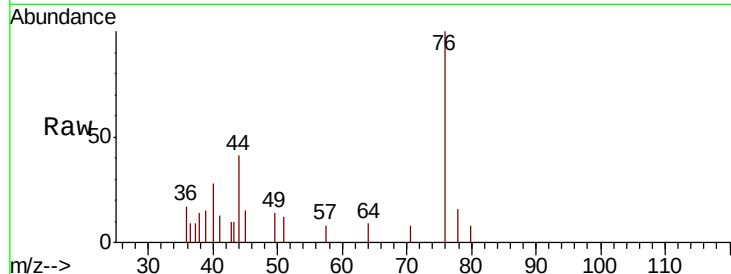
S32-0654

Tot Ion: 76 Resp: 1742

Ion Ratio Lower Upper

76 100

78 16.5 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

600

400

200

0

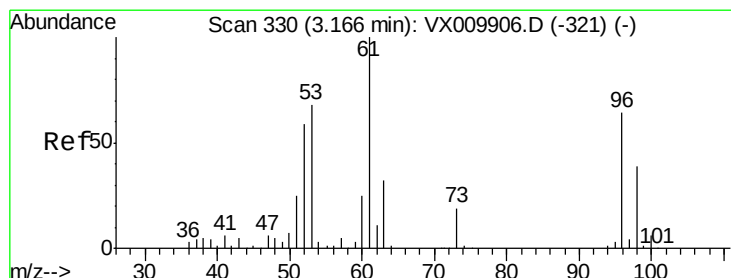
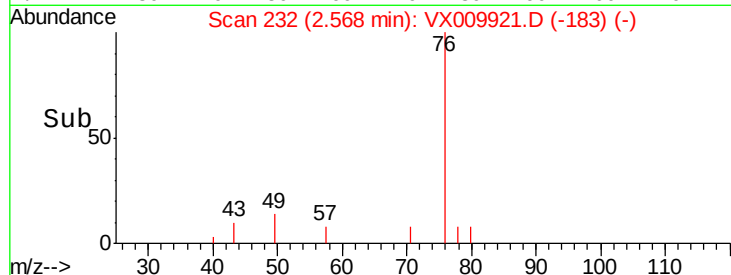
Time-->

2.50

2.55

2.60

2.65



#21

trans-1,2-Dichloroethene

Concen: 0.271 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009921.D

Acq: 28 May 2019 17:43

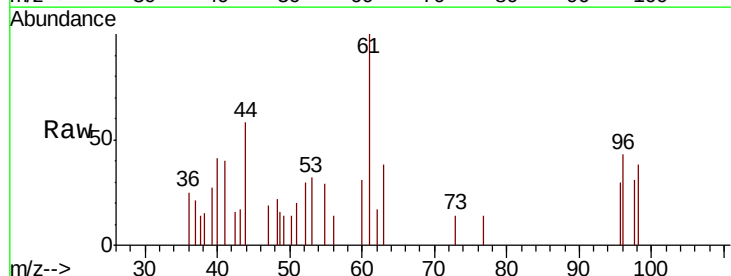
Tgt Ion: 96 Resp: 558

Ion Ratio Lower Upper

96 100

61 116.6 125.7 188.5#

98 94.5 49.0 73.6#



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

500

400

300

200

100

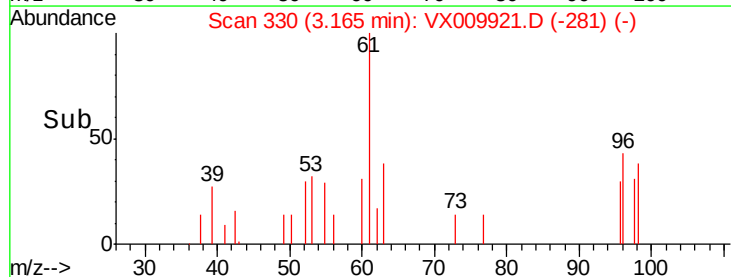
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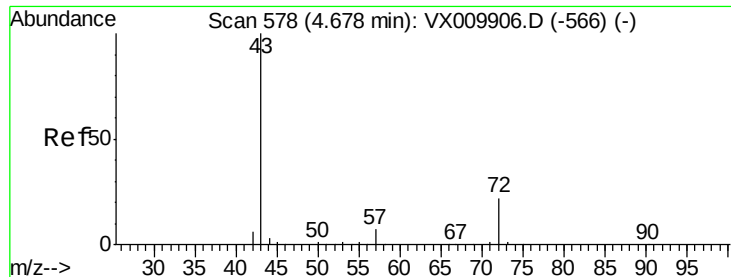
Time-->

3.10

3.15

3.20





#25

2-Butanone

Concen: 0.216 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX009921.D

Acq: 28 May 2019 17:43

Instrument :

MSVOA_X

ClientSampleId :

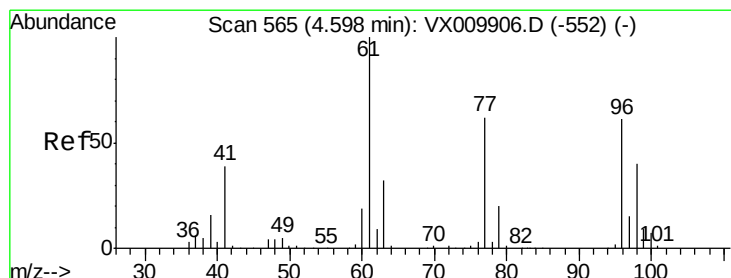
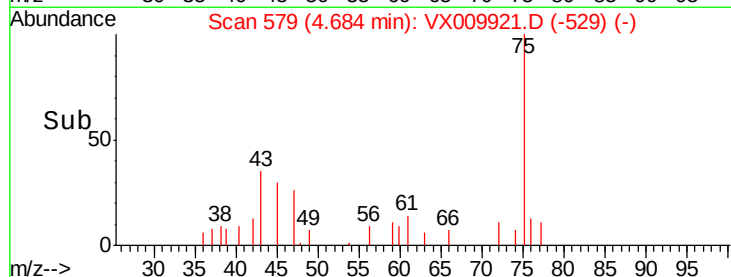
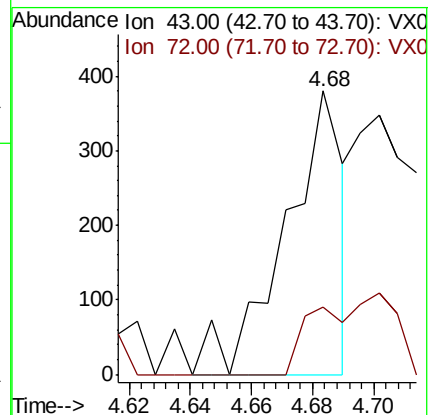
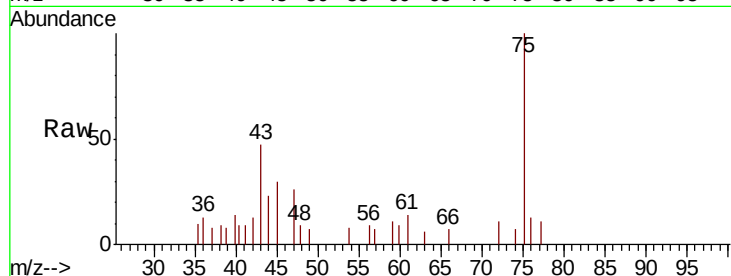
S32-0654

Tot Ion: 43 Resp: 503

Ion Ratio Lower Upper

43 100

72 23.7 17.5 26.3



#27

cis-1,2-Dichloroethene

Concen: 3.689 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX009921.D

Acq: 28 May 2019 17:43

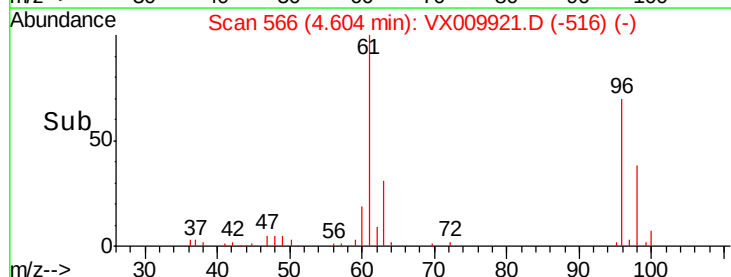
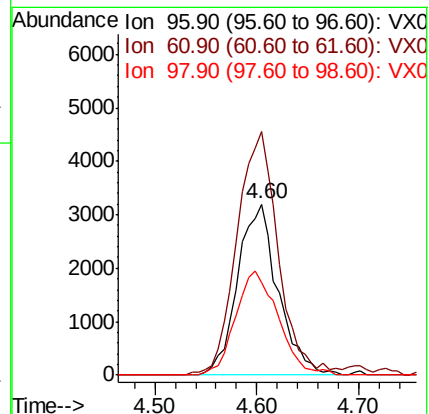
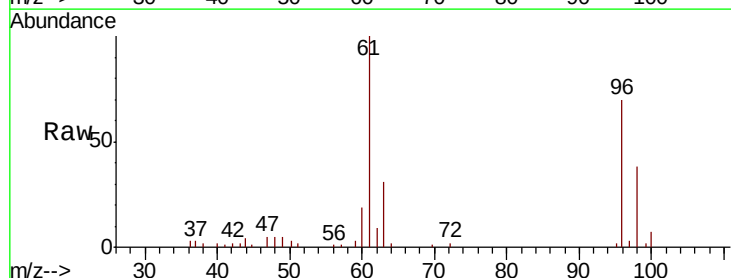
Tgt Ion: 96 Resp: 8771

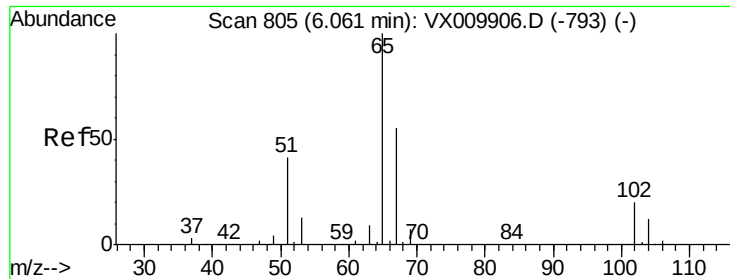
Ion Ratio Lower Upper

96 100

61 146.2 0.0 334.0

98 64.5 0.0 131.6

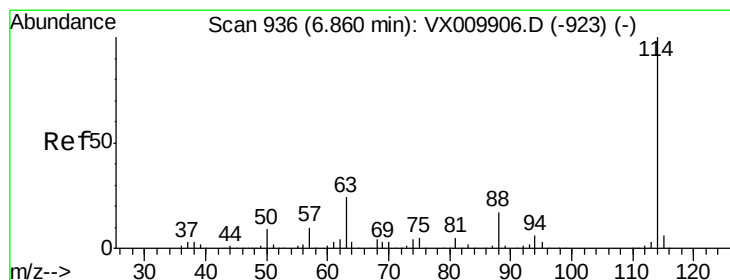
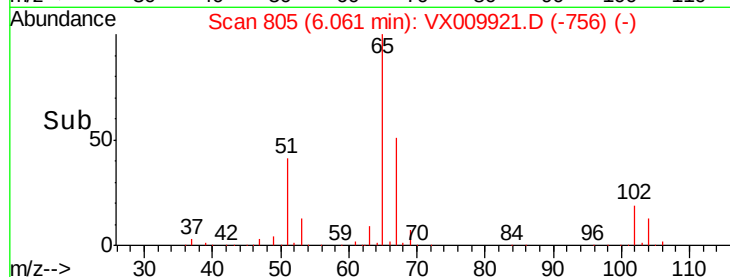
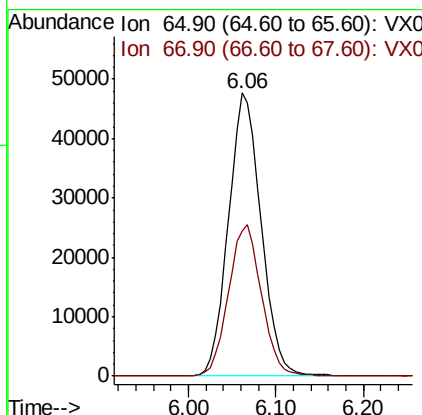
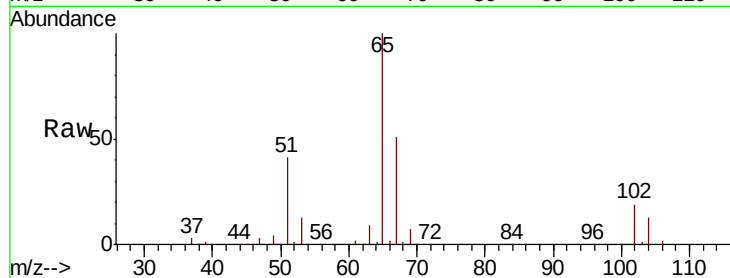




#33
 1,2-Dichloroethane-d4
 Concen: 47.983 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009921.D
 Acq: 28 May 2019 17:43

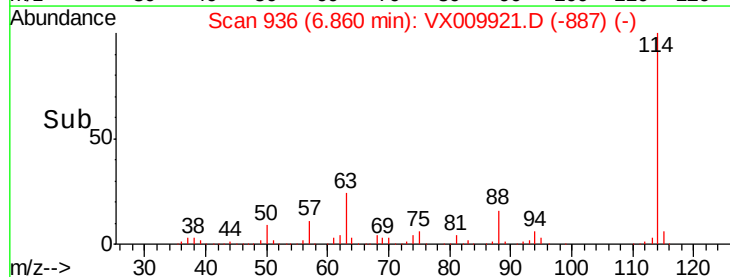
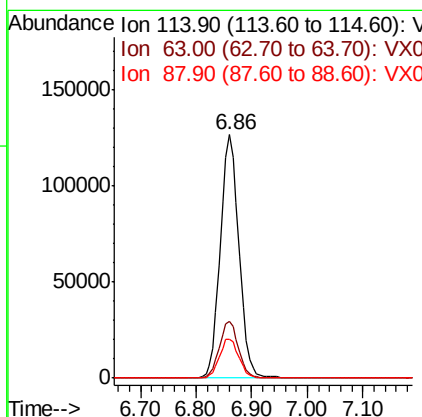
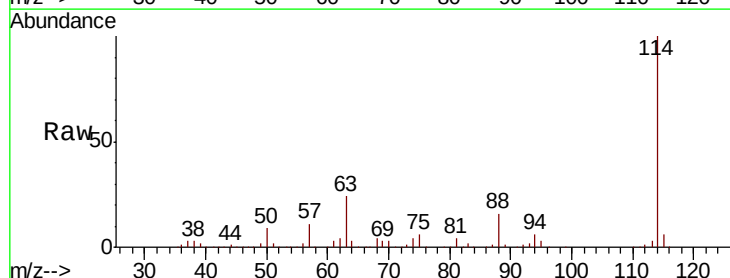
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0654

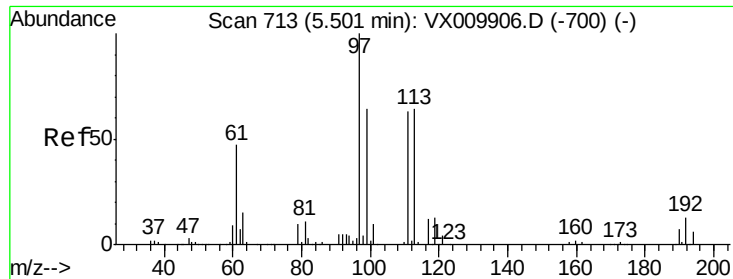
Tot Ion: 65 Resp: 123902
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009921.D
 Acq: 28 May 2019 17:43

Tgt Ion: 114 Resp: 295463
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 47.4
 88 16.0 0.0 33.0

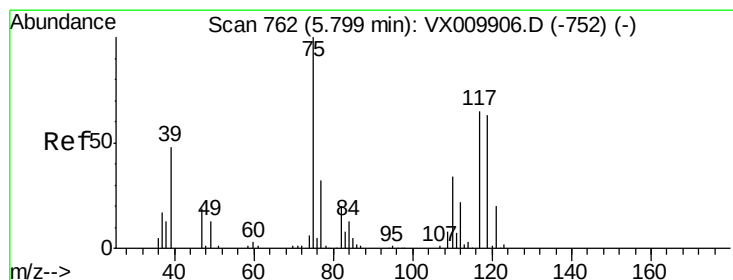
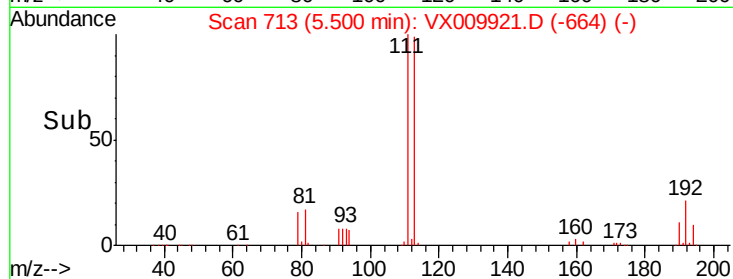
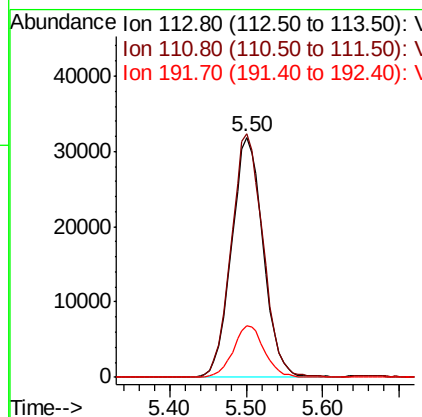
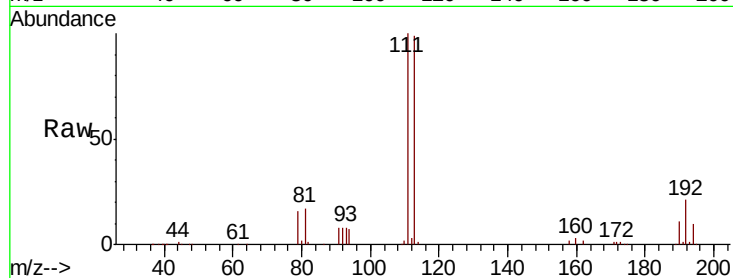




#35
 Dibromofluoromethane
 Concen: 48.902 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009921.D
 Acq: 28 May 2019 17:43

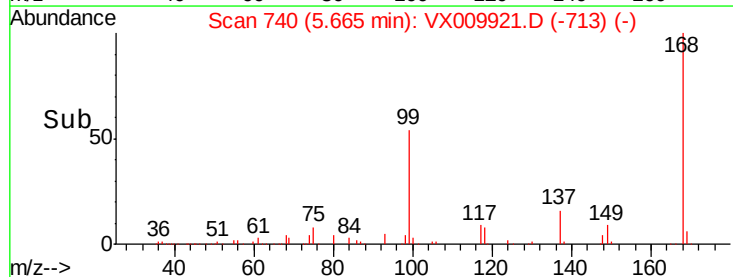
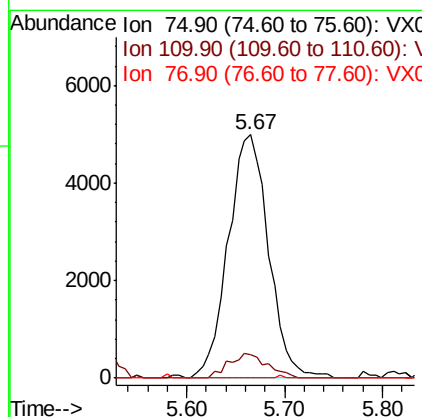
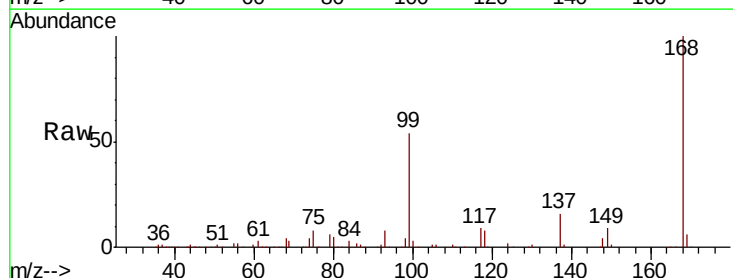
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0654

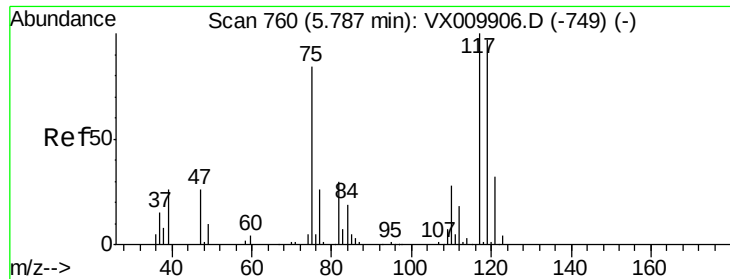
Tot Ion:113 Resp: 90840
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.2
 192 21.2 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.769 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009921.D
 Acq: 28 May 2019 17:43

Tgt Ion: 75 Resp: 14297
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.7 50.1#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.711 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009921.D

Acq: 28 May 2019 17:43

Instrument :

MSVOA_X

ClientSampled :

S32-0654

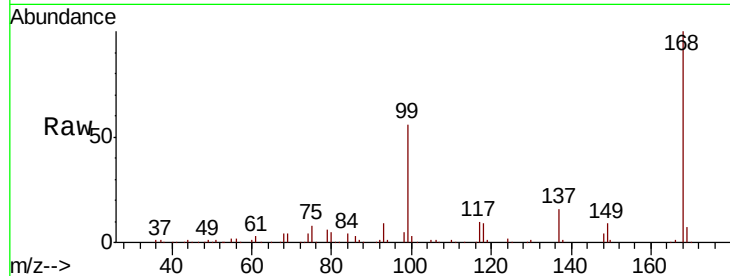
Tot Ion:117 Resp: 17385

Ion Ratio Lower Upper

117 100

119 5.4 77.3 115.9#

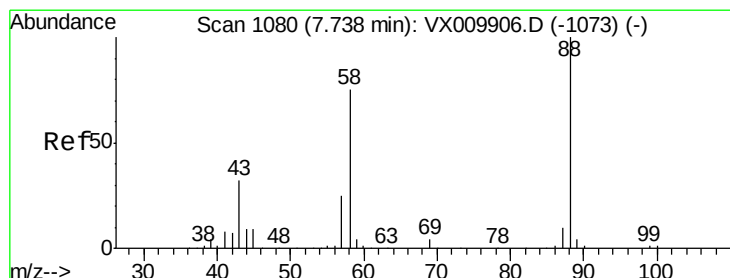
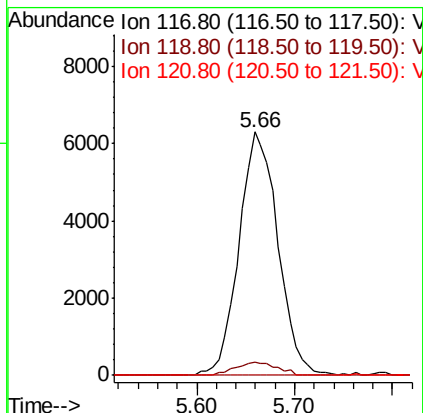
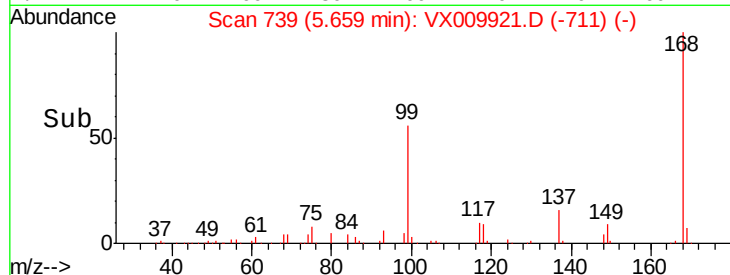
121 0.0 25.4 38.0#



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



#49

1,4-Dioxane

Concen: 0.306 ug/l

RT: 7.62 min Scan# 1061

Delta R.T. -0.12 min

Lab File: VX009921.D

Acq: 28 May 2019 17:43

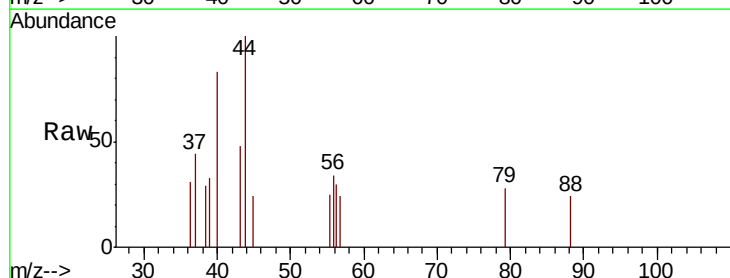
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 505.3 30.2 45.4#

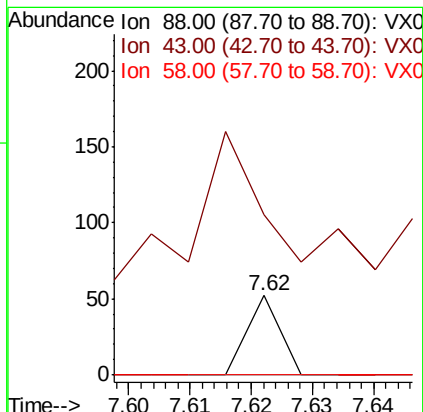
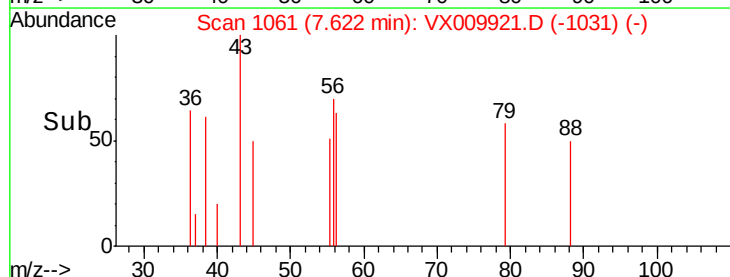
58 0.0 64.0 96.0#

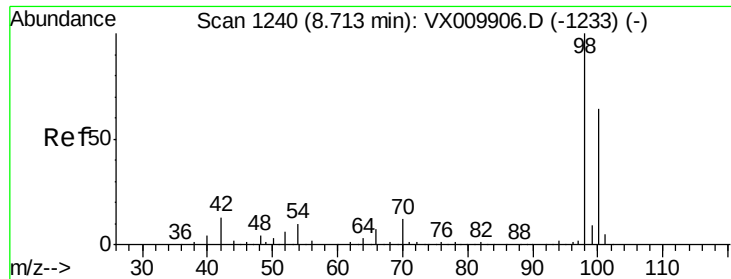


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

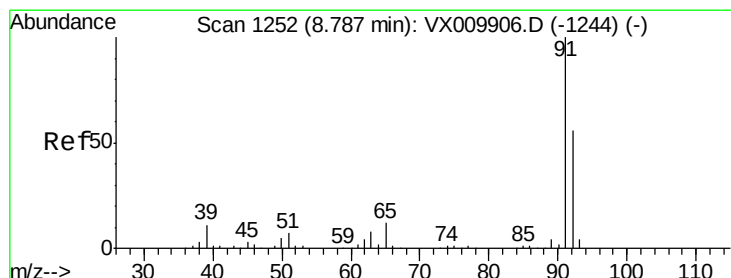
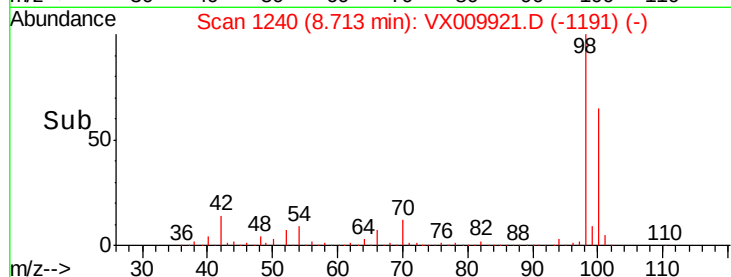
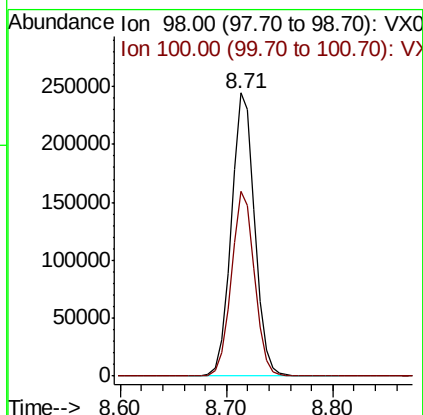
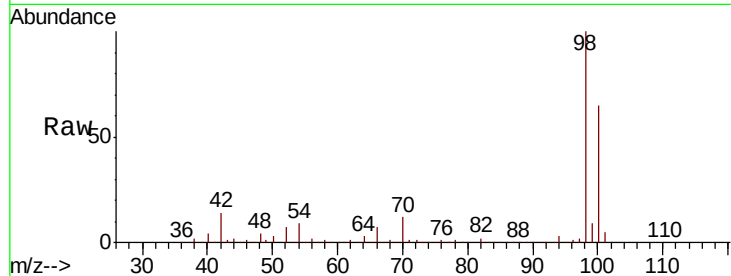




#50
Toluene-d8
Concen: 49.798 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009921.D
Acq: 28 May 2019 17:43

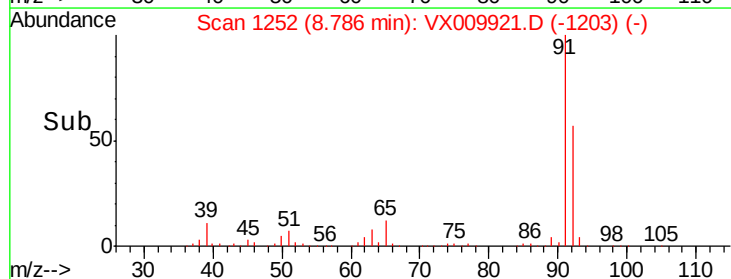
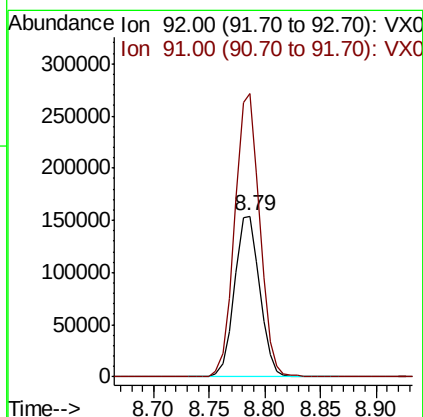
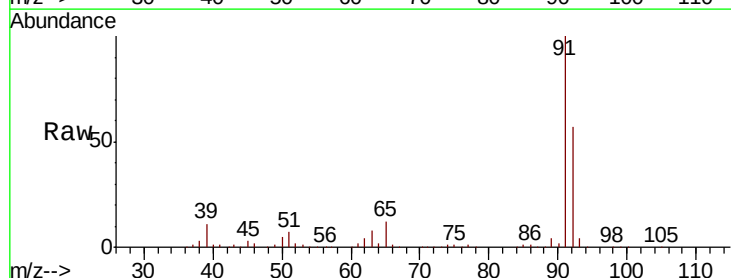
Instrument :
MSVOA_X
ClientSampled :
S32-0654

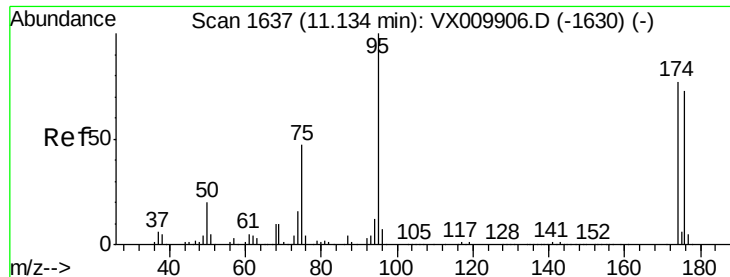
Tot Ion: 98 Resp: 375635
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3



#52
Toluene
Concen: 44.925 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX009921.D
Acq: 28 May 2019 17:43

Tgt Ion: 92 Resp: 242567
Ion Ratio Lower Upper
92 100
91 173.7 139.9 209.9





#62

4-Bromofluorobenzene

Concen: 46.826 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009921.D

Acq: 28 May 2019 17:43

Instrument :

MSVOA_X

ClientSampled :

S32-0654

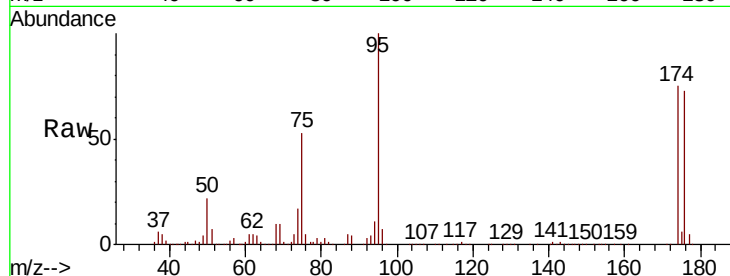
Tot Ion: 95 Resp: 126871

Ion Ratio Lower Upper

95 100

174 80.4 0.0 160.4

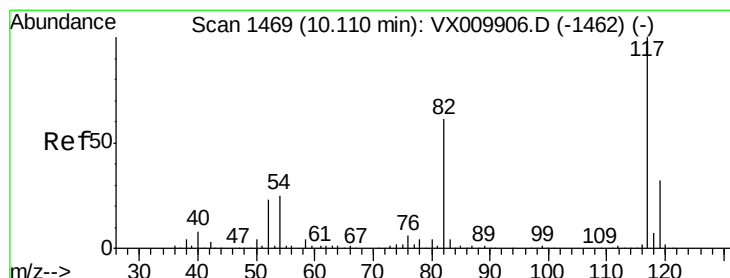
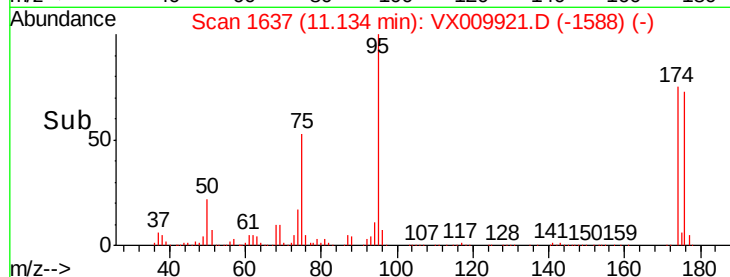
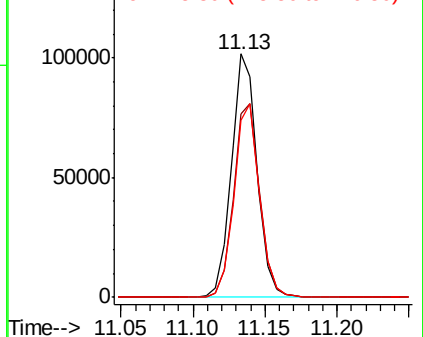
176 78.8 0.0 154.6



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: VX009921.D

Acq: 28 May 2019 17:43

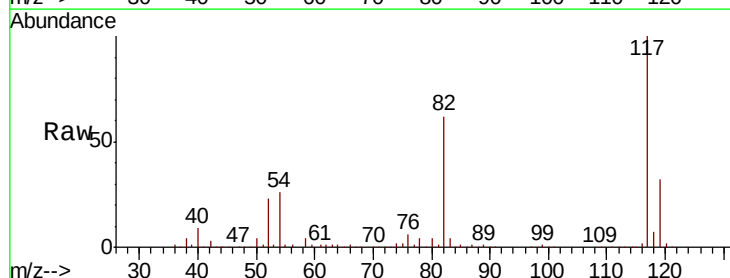
Tgt Ion: 117 Resp: 263386

Ion Ratio Lower Upper

117 100

82 61.9 49.2 73.8

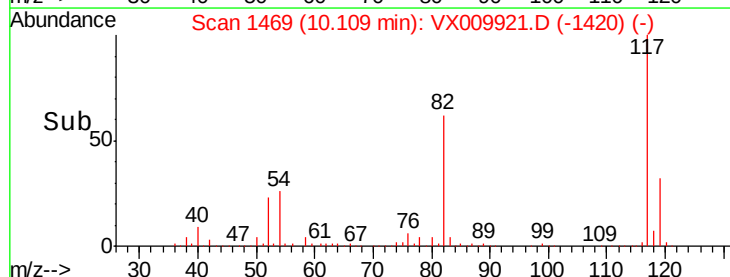
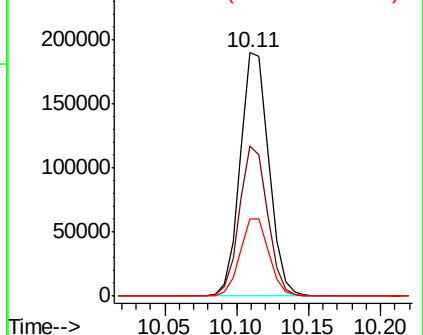
119 31.6 25.2 37.8

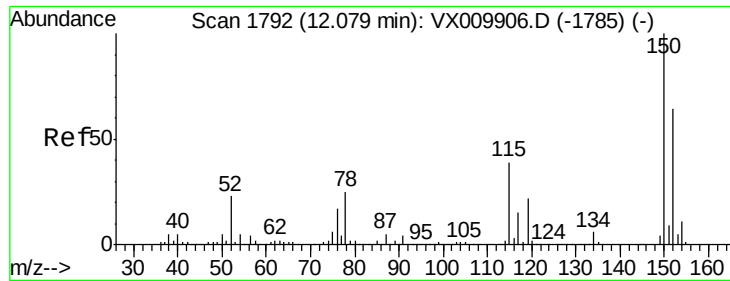


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX009921.D

Acq: 28 May 2019 17:43

Instrument :

MSVOA_X

ClientSampleId :

S32-0654

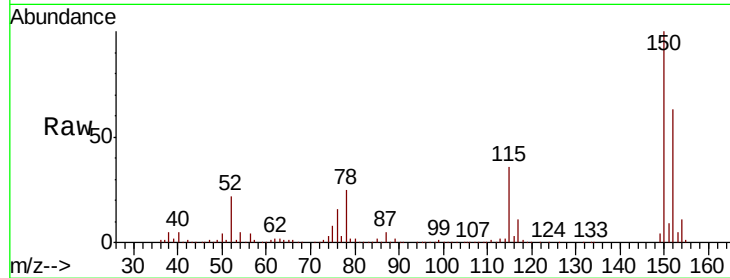
Tot Ion:152 Resp: 114650

Ion Ratio Lower Upper

152 100

115 58.8 41.4 124.2

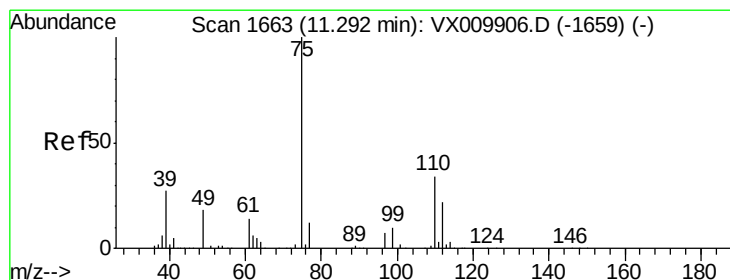
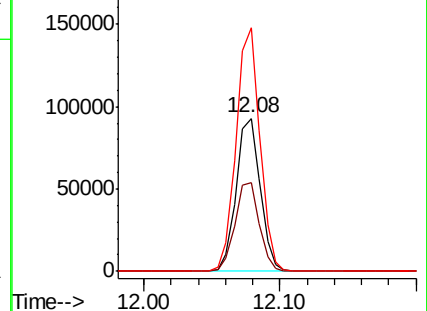
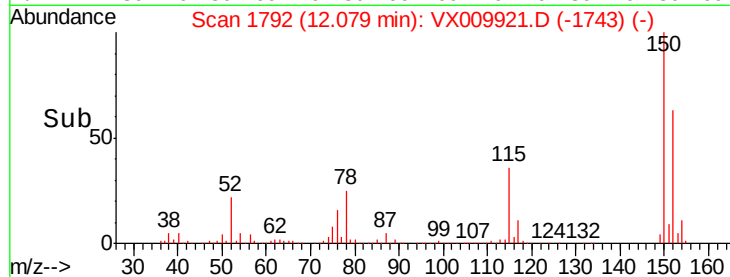
150 157.2 0.0 345.2



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: 24.120 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009921.D

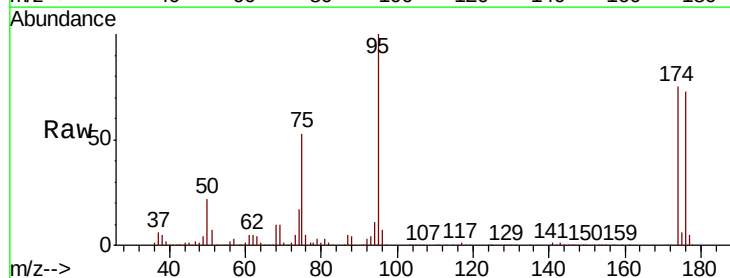
Acq: 28 May 2019 17:43

Tgt Ion: 75 Resp: 66129

Ion Ratio Lower Upper

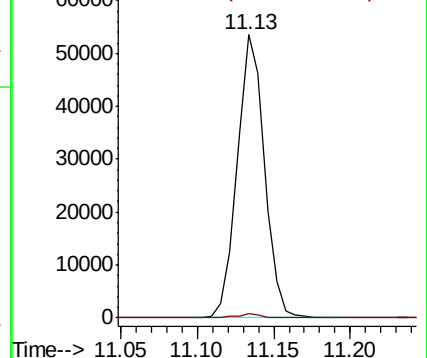
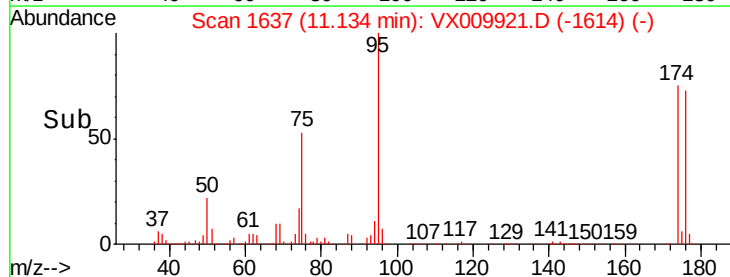
75 100

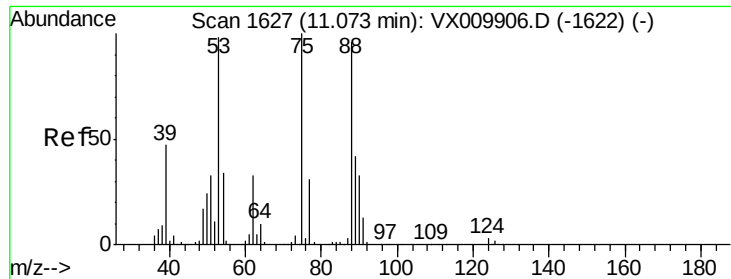
77 1.4 22.1 66.1#



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: 59.677 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009921.D

Acq: 28 May 2019 17:43

Instrument :

MSVOA_X

ClientSampleId :

S32-0654

Tot Ion: 75 Resp: 66129

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 34.2 51.4#

