

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX013871.D
 Acq On : 09 Dec 2019 23:57
 Operator : JC/SP
 Sample : VX1209WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBL02

Quant Time: Dec 12 08:16:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	604158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	924226	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	823581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	364903	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	336452	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
35) Dibromofluoromethane	5.49	113	277072	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
50) Toluene-d8	8.71	98	1097708	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	11.13	95	367928	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	

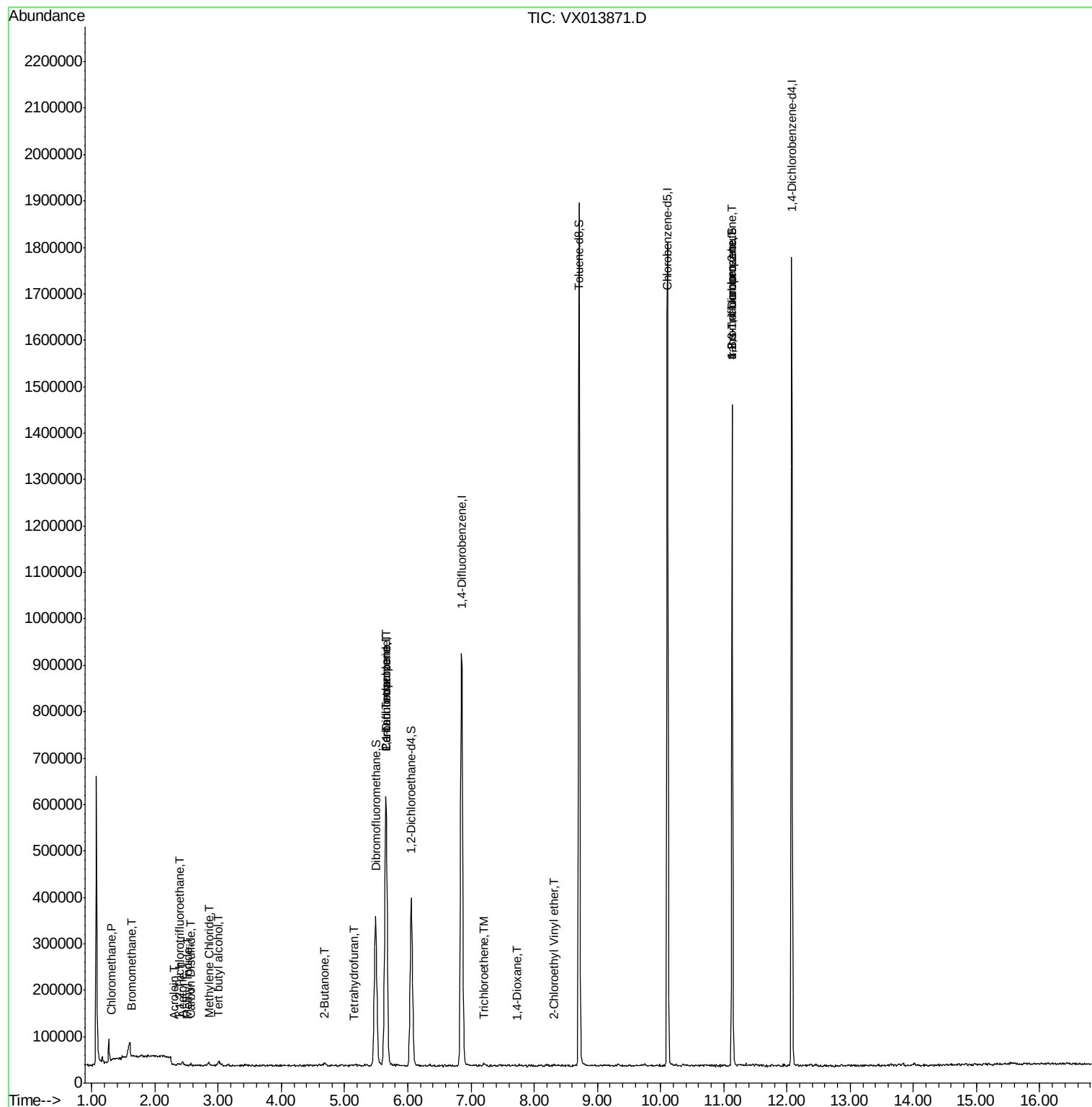
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1690	0.224	ug/l	95
5) Bromomethane	1.64	94	3060	0.537	ug/l #	64
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1494	0.259	ug/l	86
10) Methyl Iodide	2.51	142	1708	0.245	ug/l #	56
11) Tert butyl alcohol	3.01	59	6485	3.746	ug/l #	84
13) Acrolein	2.29	56	326	6.279	ug/l #	58
16) Acetone	2.43	43	9625	2.780	ug/l	90
17) Carbon Disulfide	2.56	76	3493	0.213	ug/l #	69
20) Methylene Chloride	2.85	84	4623	0.695	ug/l #	80
25) 2-Butanone	4.67	43	1721	0.334	ug/l #	67
29) Tetrahydrofuran	5.14	42	2295	0.723	ug/l #	79
36) 1,1-Dichloropropene	5.65	75	39686	4.730	ug/l #	52
38) Carbon Tetrachloride	5.65	117	54649	7.064	ug/l #	16
44) Trichloroethene	7.21	130	2529	0.361	ug/l	67
49) 1,4-Dioxane	7.74	88	379	2.249	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.31	63	981	0.243	ug/l #	45
76) 1,2,3-Trichloropropane	11.13	75	177684	21.649	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	177684	59.229	ug/l #	11

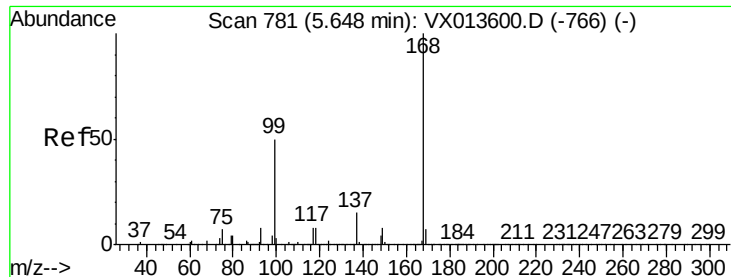
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013871.D

Acq: 09 Dec 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

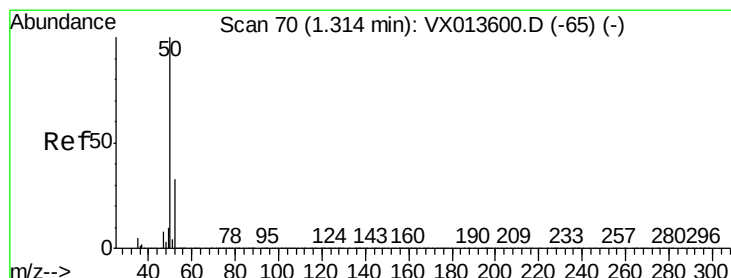
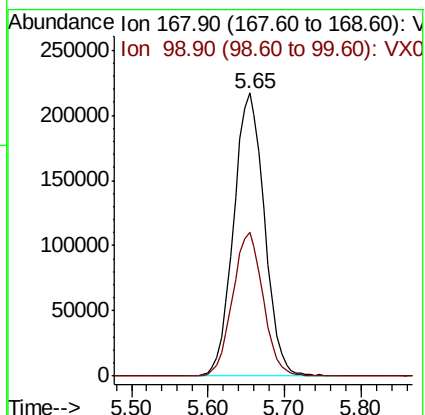
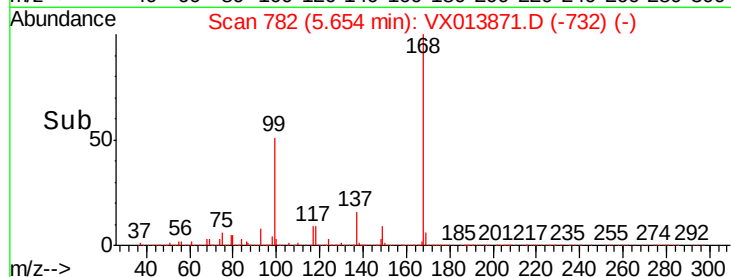
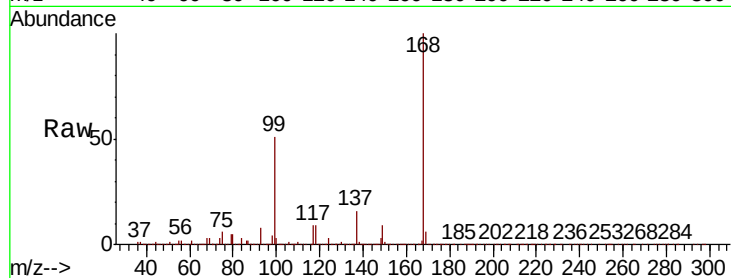
VX1209WBL02

Tot Ion:168 Resp: 604158

Ion Ratio Lower Upper

168 100

99 50.6 39.8 59.8



#3

Chloromethane

Concen: 0.224 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013871.D

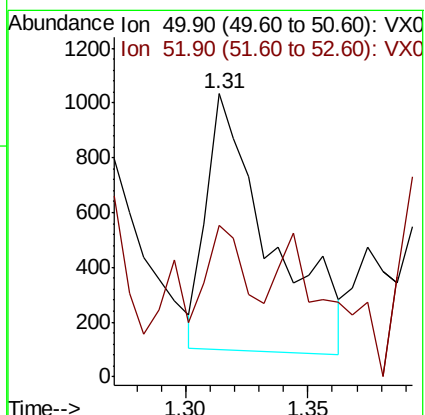
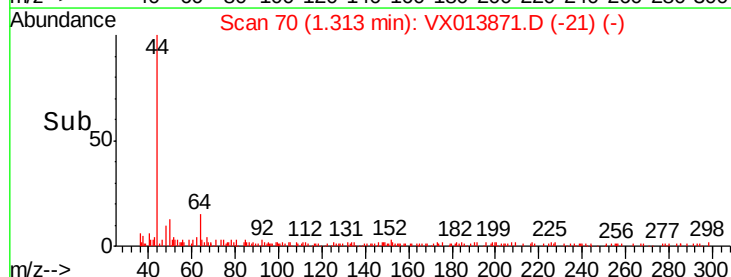
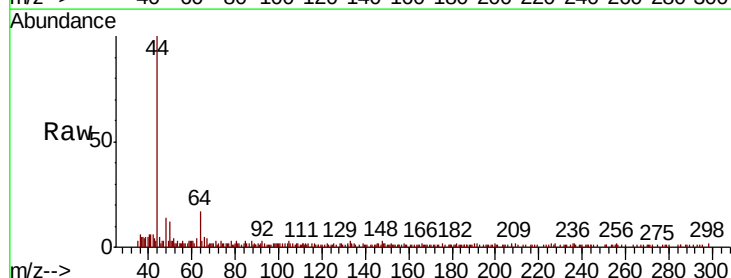
Acq: 09 Dec 2019 23:57

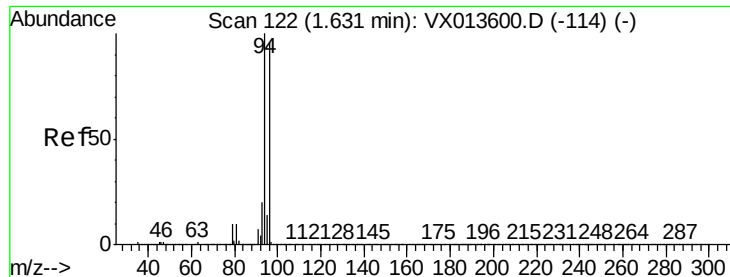
Tgt Ion: 50 Resp: 1690

Ion Ratio Lower Upper

50 100

52 35.3 26.0 39.0





#5

Bromomethane

Concen: 0.537 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013871.D

Acq: 09 Dec 2019 23:57

Instrument :

MSVOA_X

ClientSampled :

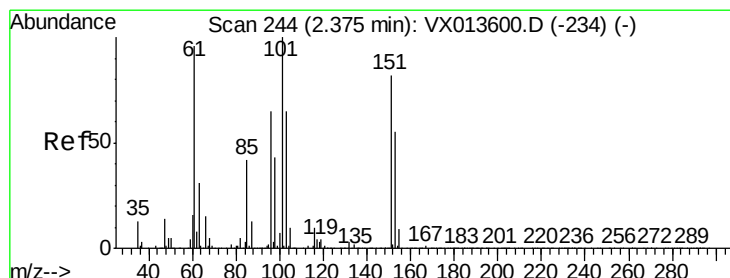
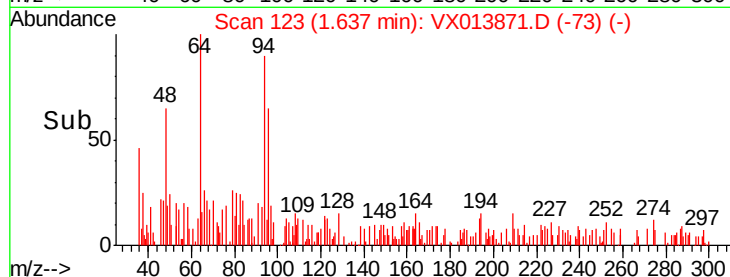
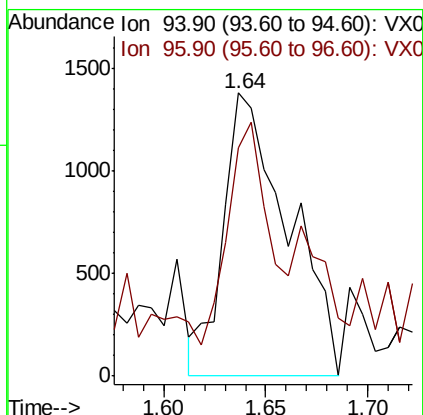
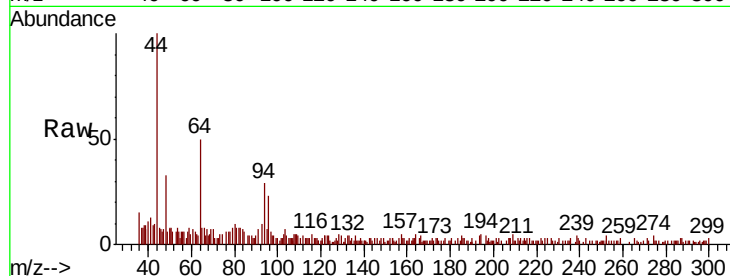
VX1209WBL02

Tot Ion: 94 Resp: 3060

Ion Ratio Lower Upper

94 100

96 61.4 77.0 115.4#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.259 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX013871.D

Acq: 09 Dec 2019 23:57

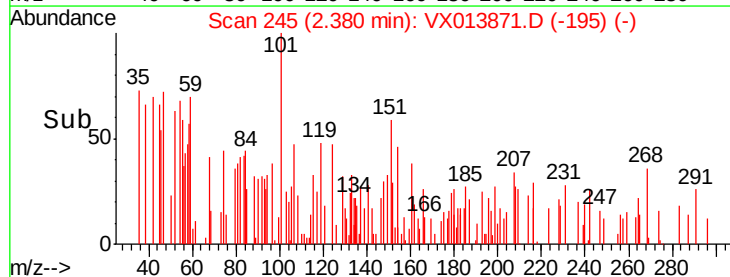
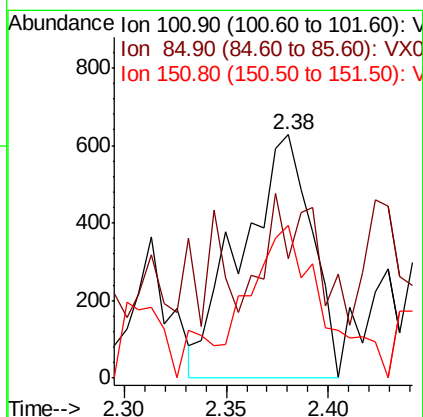
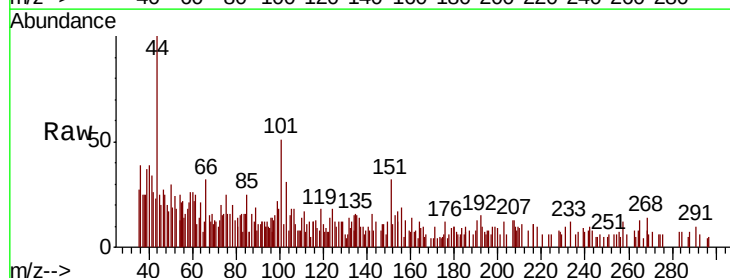
Tgt Ion: 101 Resp: 1494

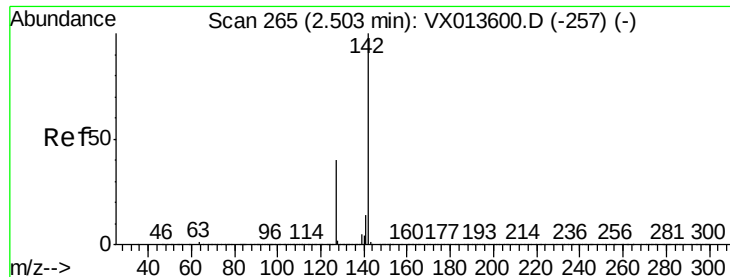
Ion Ratio Lower Upper

101 100

85 37.7 33.9 50.9

151 65.3 64.2 96.2

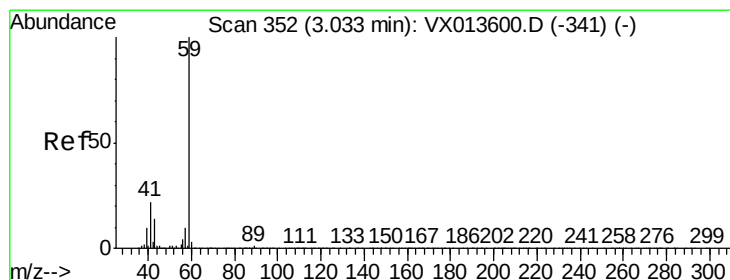
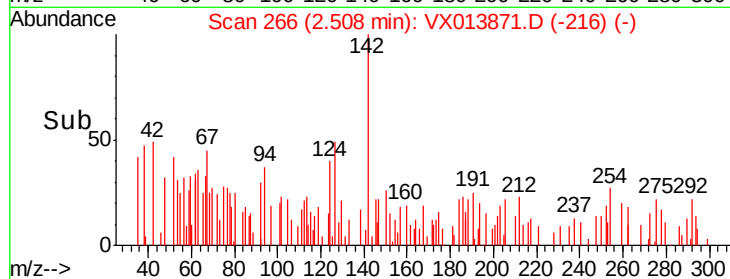
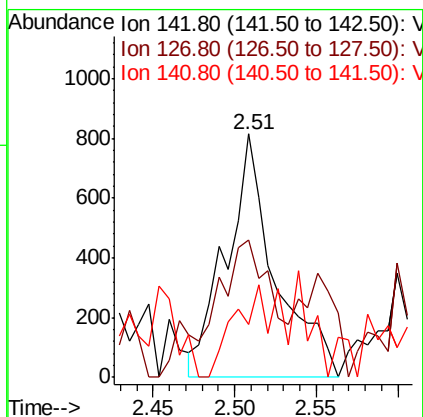
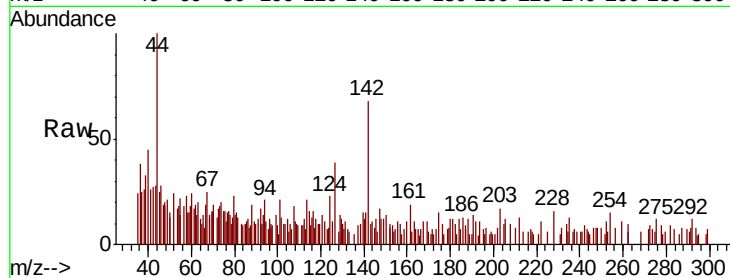




#10
Methvl Iodide
Concen: 0.245 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013871.D
Acq: 09 Dec 2019 23:57

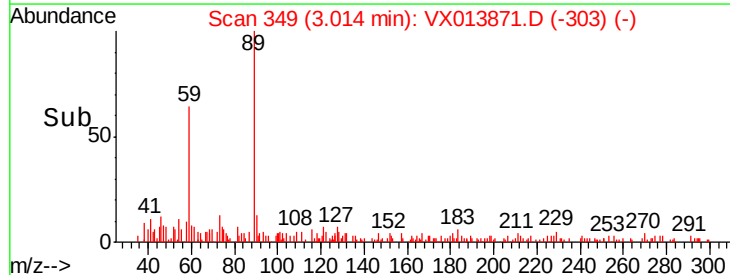
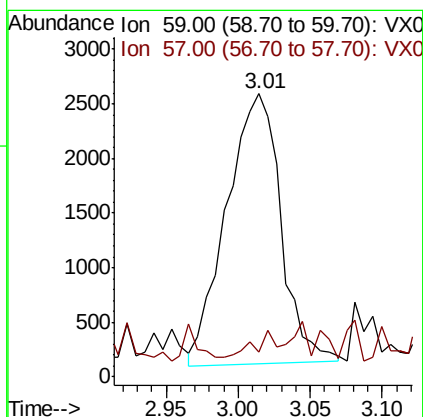
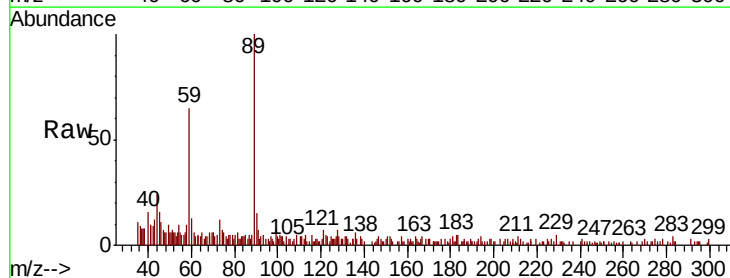
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL02

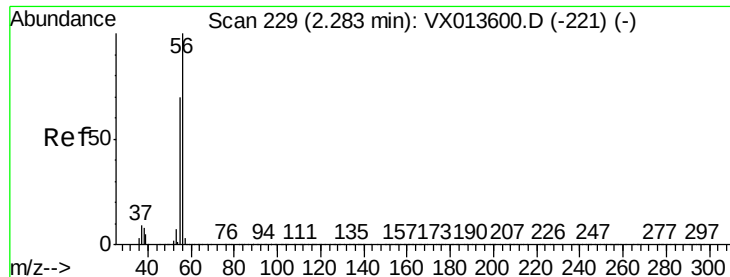
Tot Ion:142 Resp: 1708
Ion Ratio Lower Upper
142 100
127 69.8 31.0 46.4#
141 24.5 11.6 17.4#



#11
Tert butyl alcohol
Concen: 3.746 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX013871.D
Acq: 09 Dec 2019 23:57

Tgt Ion: 59 Resp: 6485
Ion Ratio Lower Upper
59 100
57 3.7 7.8 11.6#





#13

Acrolein

Concen: 6.279 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX013871.D

Acq: 09 Dec 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

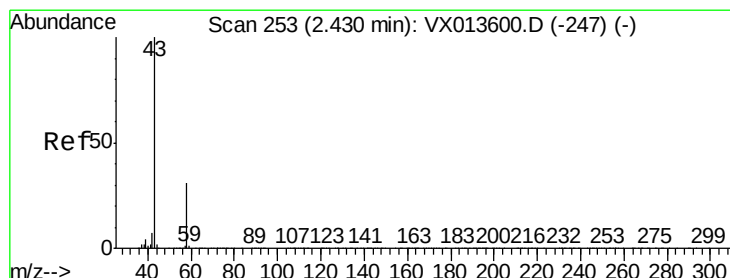
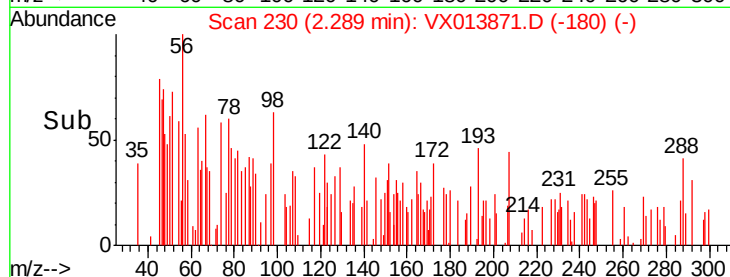
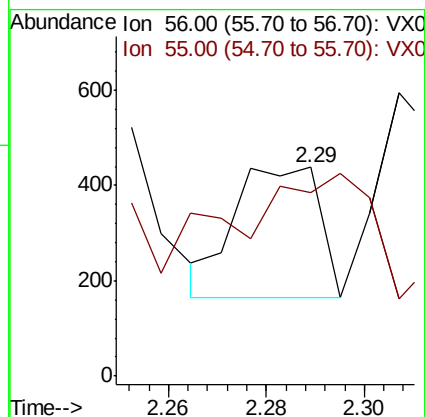
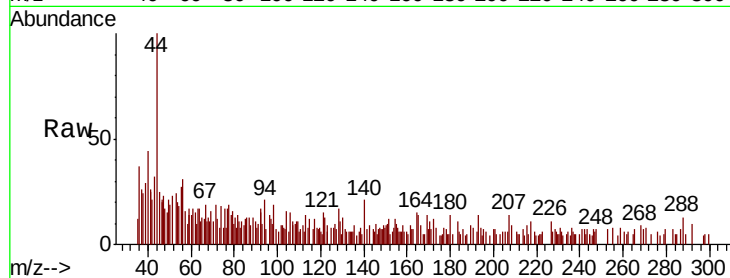
VX1209WBL02

Tot Ion: 56 Resp: 326

Ion Ratio Lower Upper

56 100

55 104.9 56.2 84.4#



#16

Acetone

Concen: 2.780 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013871.D

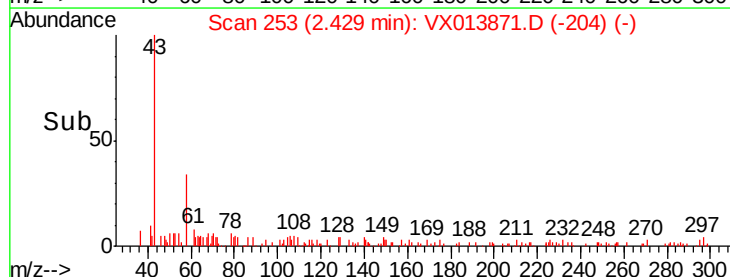
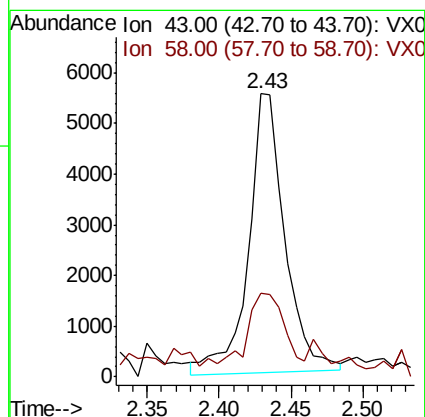
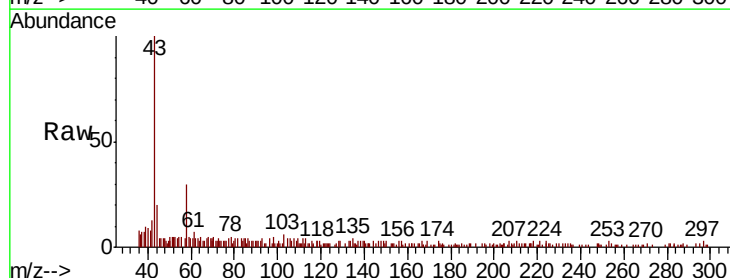
Acq: 09 Dec 2019 23:57

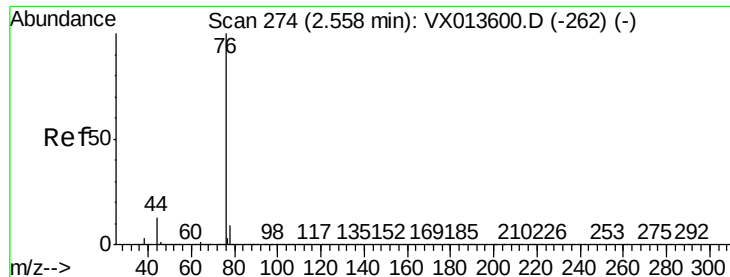
Tgt Ion: 43 Resp: 9625

Ion Ratio Lower Upper

43 100

58 25.2 24.6 36.8





#17

Carbon Disulfide

Concen: 0.213 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013871.D

Acq: 09 Dec 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

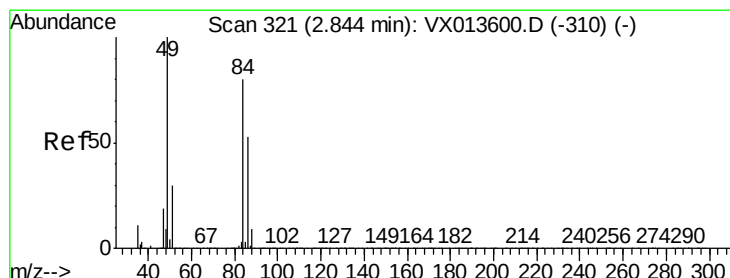
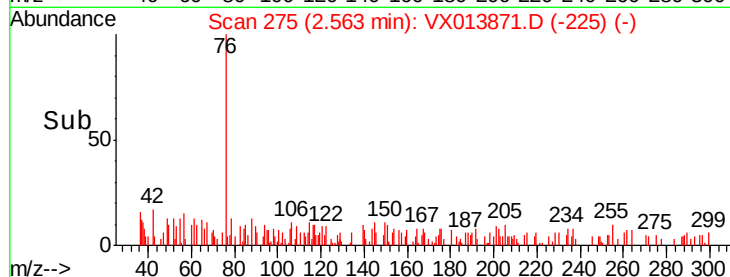
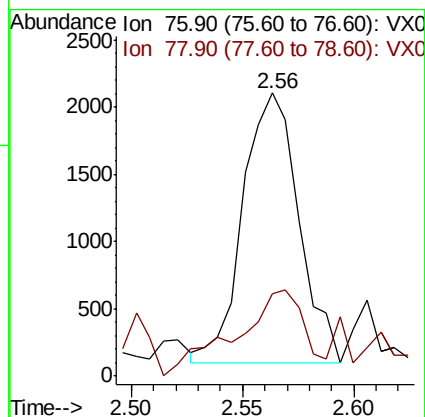
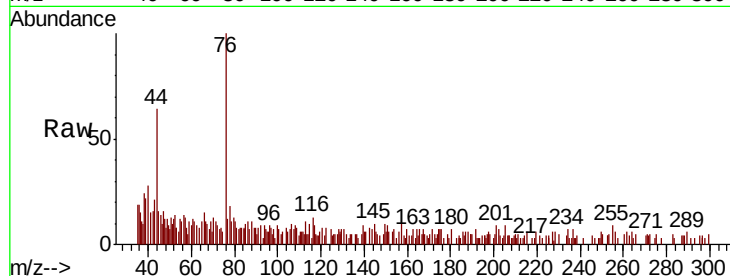
VX1209WBL02

Tot Ion: 76 Resp: 3493

Ion Ratio Lower Upper

76 100

78 20.3 7.2 10.8#



#20

Methylene Chloride

Concen: 0.695 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX013871.D

Acq: 09 Dec 2019 23:57

Tgt Ion: 84 Resp: 4623

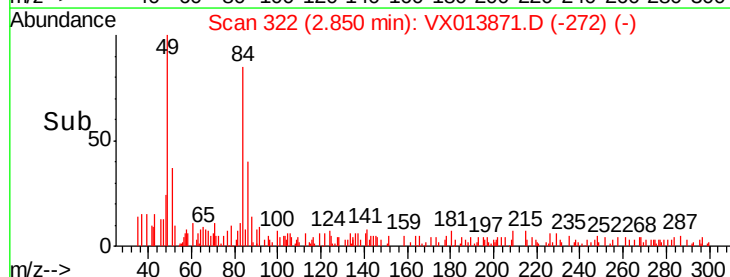
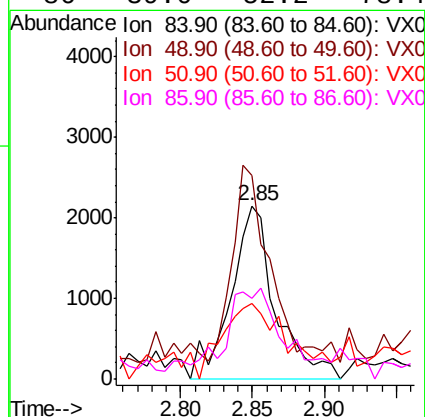
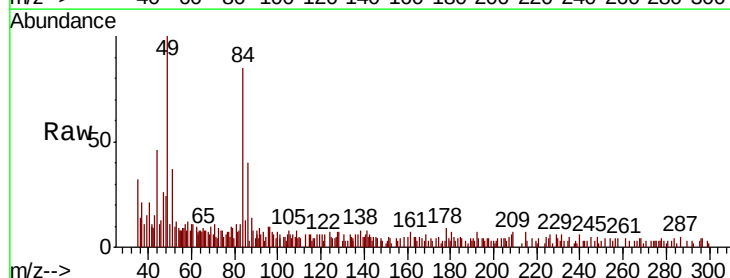
Ion Ratio Lower Upper

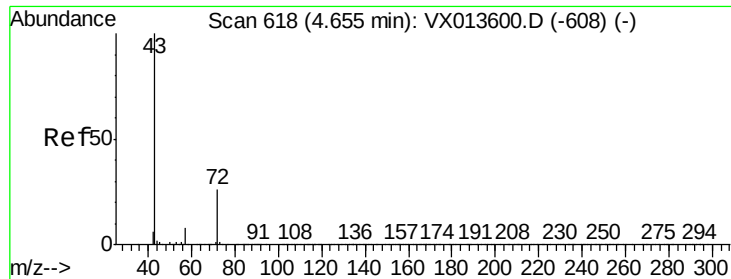
84 100

49 107.5 99.7 149.5

51 31.1 29.9 44.9

86 39.0 52.2 78.4#





#25

2-Butanone

Concen: 0.334 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX013871.D

Acq: 09 Dec 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

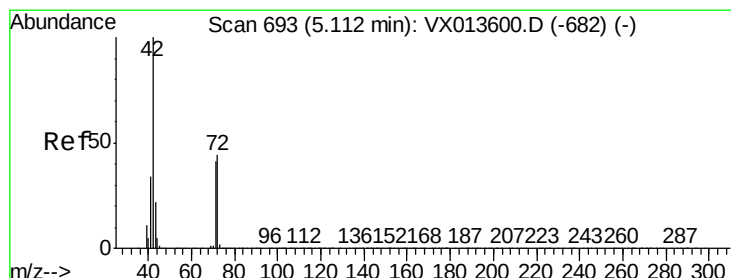
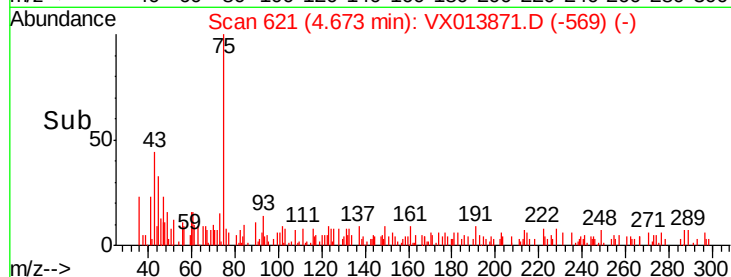
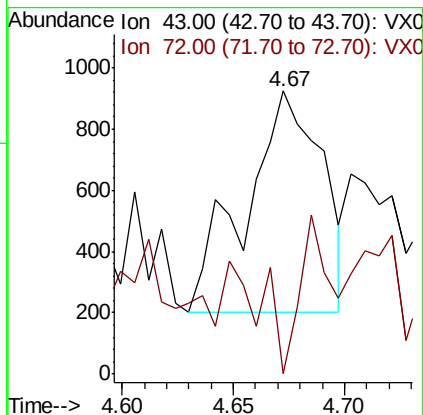
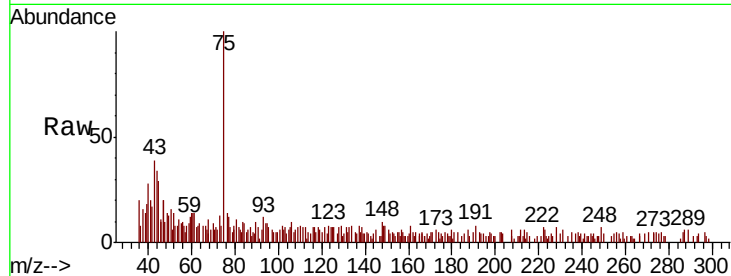
VX1209WBL02

Tot Ion: 43 Resp: 1721

Ion Ratio Lower Upper

43 100

72 9.0 20.6 31.0#



#29

Tetrahydrofuran

Concen: 0.723 ug/l

RT: 5.14 min Scan# 698

Delta R.T. 0.03 min

Lab File: VX013871.D

Acq: 09 Dec 2019 23:57

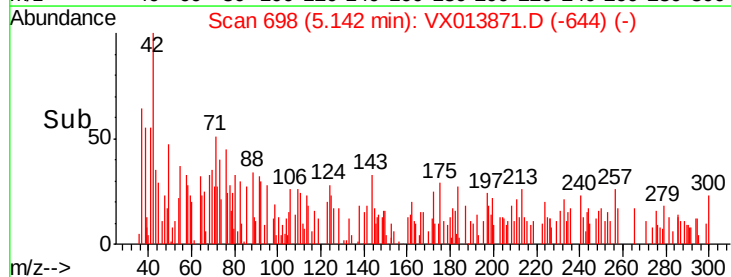
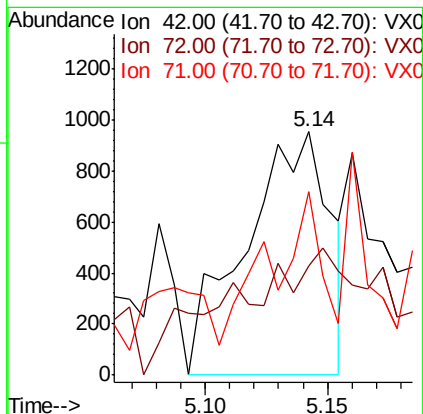
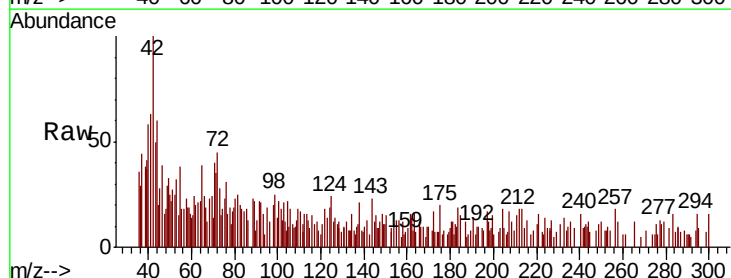
Tgt Ion: 42 Resp: 2295

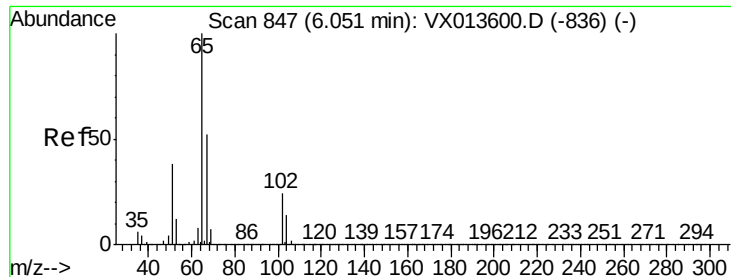
Ion Ratio Lower Upper

42 100

72 23.2 36.3 54.5#

71 37.7 33.2 49.8





#33

1,2-Dichloroethane-d4

Concen: 47.976 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013871.D

Acq: 09 Dec 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

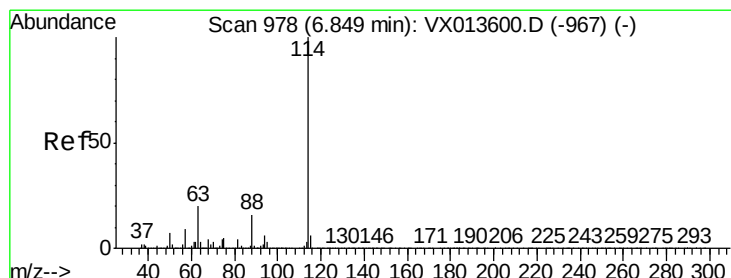
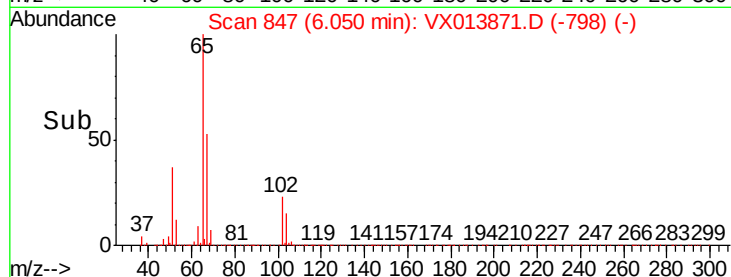
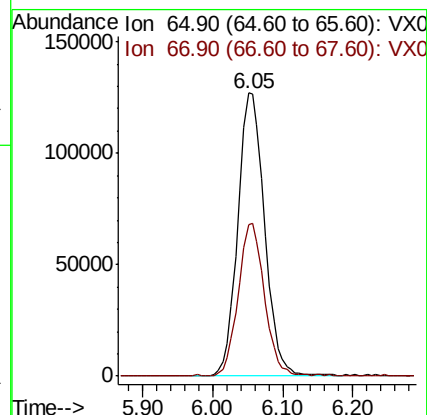
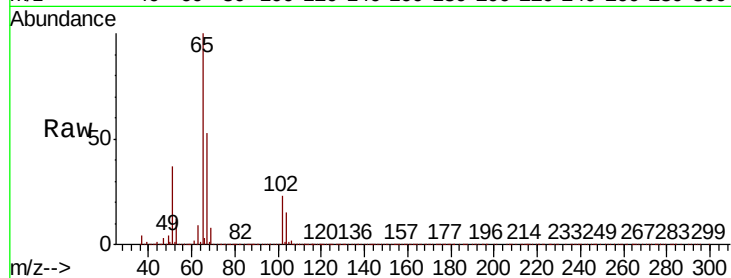
VX1209WBL02

Tot Ion: 65 Resp: 336452

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013871.D

Acq: 09 Dec 2019 23:57

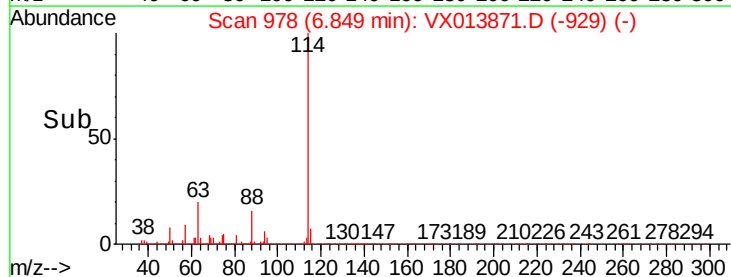
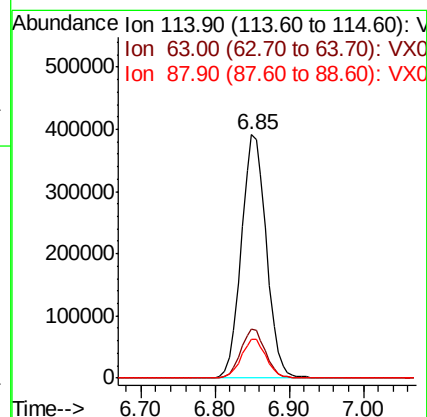
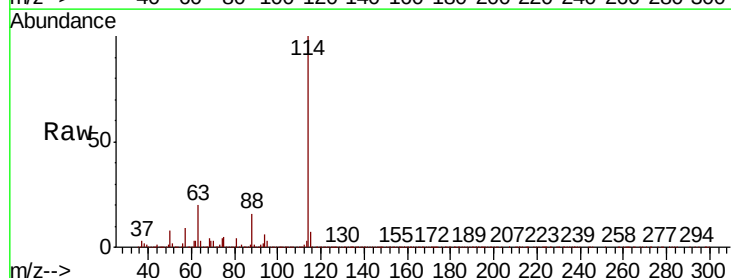
Tgt Ion: 114 Resp: 924226

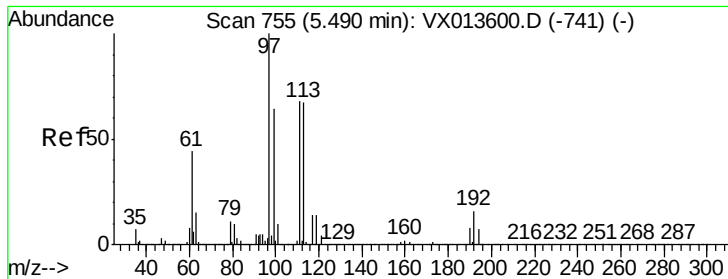
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.493 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013871.D

Acq: 09 Dec 2019 23:57

Instrument :

MSVOA_X

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VX1209WBL02

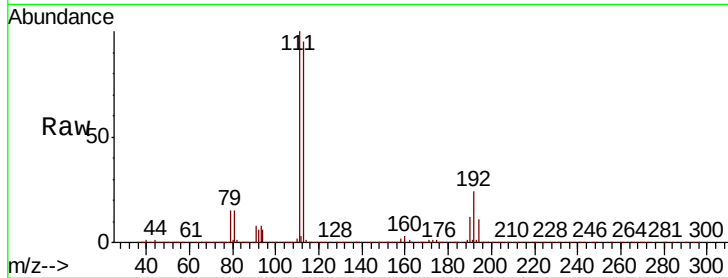
Tot Ion:113 Resp: 277072

Ion Ratio Lower Upper

113 100

111 101.5 83.6 125.4

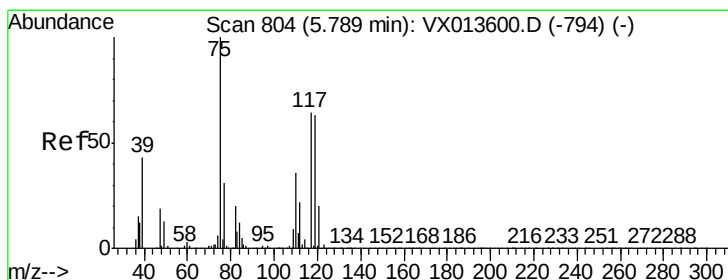
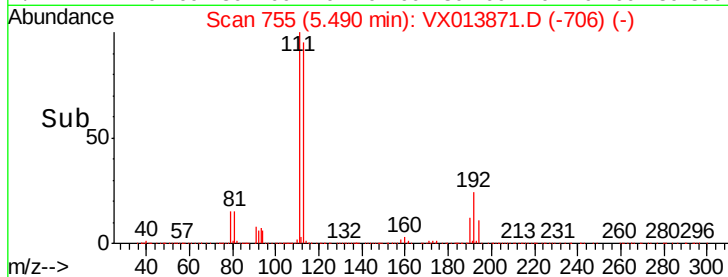
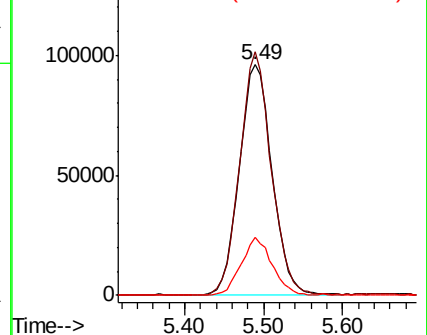
192 23.6 19.2 28.8



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: 4.730 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013871.D

Acq: 09 Dec 2019 23:57

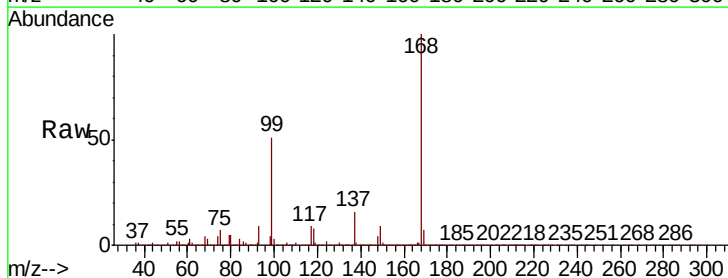
Tgt Ion: 75 Resp: 39686

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.1#

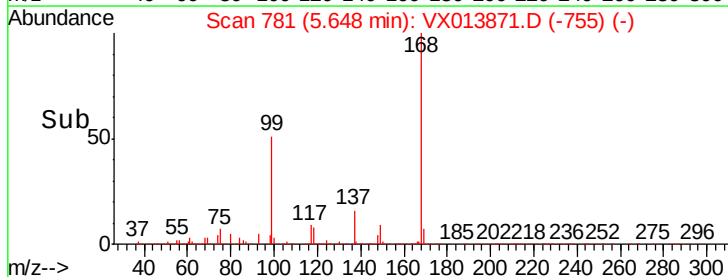
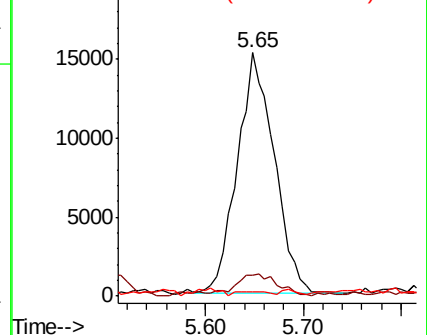
77 1.7 24.5 36.7#

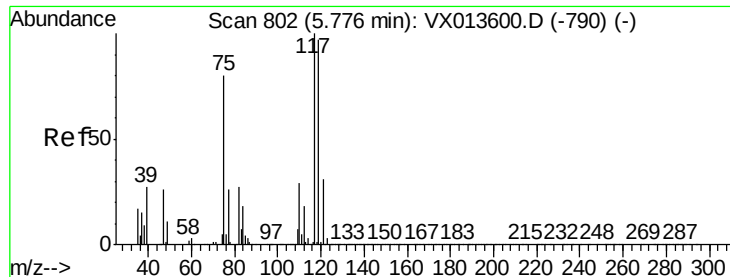


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

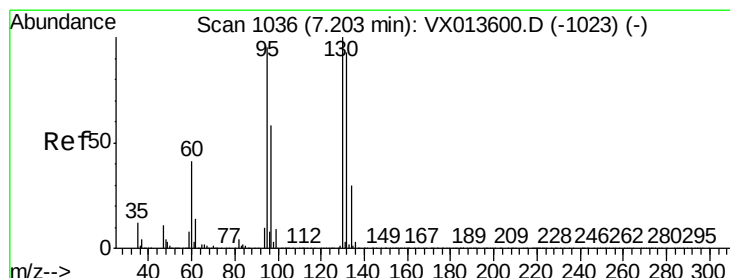
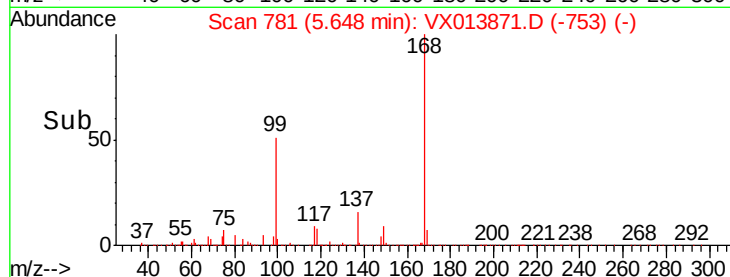
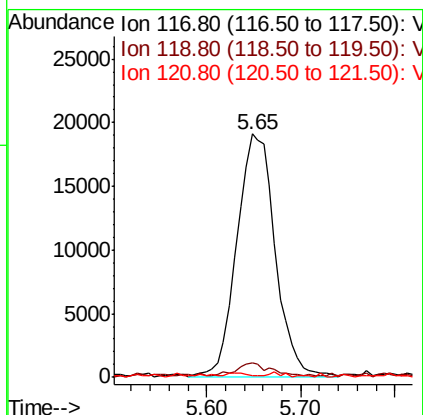
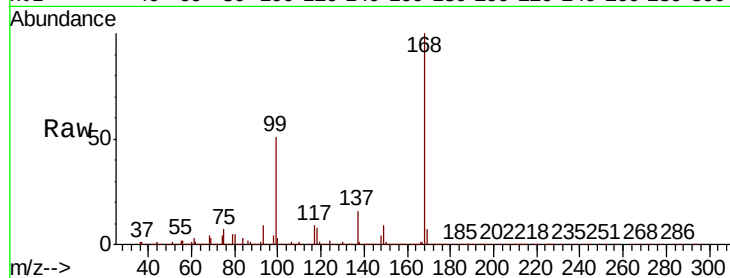




#38
Carbon Tetrachloride
Concen: 7.064 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX013871.D
Acq: 09 Dec 2019 23:57

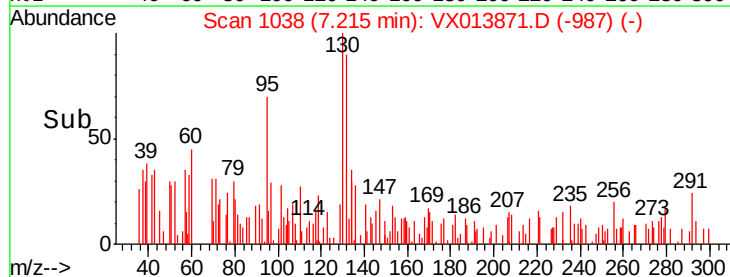
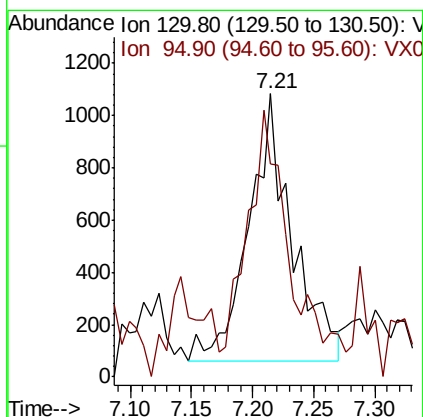
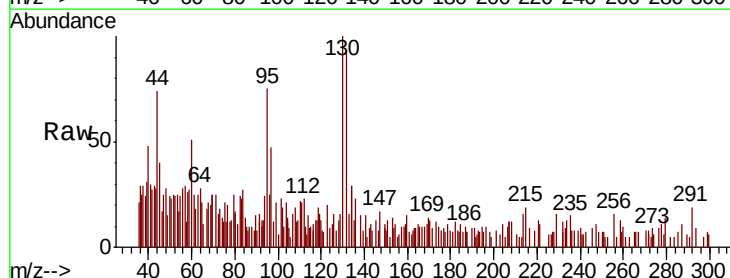
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL02

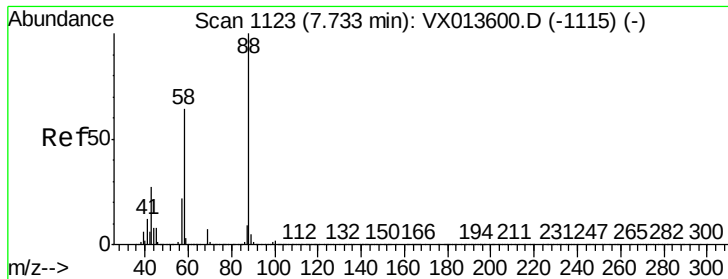
Tot Ion:117 Resp: 54649
Ion Ratio Lower Upper
117 100
119 5.6 77.5 116.3#
121 0.3 25.0 37.6#



#44
Trichloroethene
Concen: 0.361 ug/l
RT: 7.21 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VX013871.D
Acq: 09 Dec 2019 23:57

Tgt Ion:130 Resp: 2529
Ion Ratio Lower Upper
130 100
95 63.4 0.0 190.8





#49

1,4-Dioxane

Concen: 2.249 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013871.D

Acq: 09 Dec 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBL02

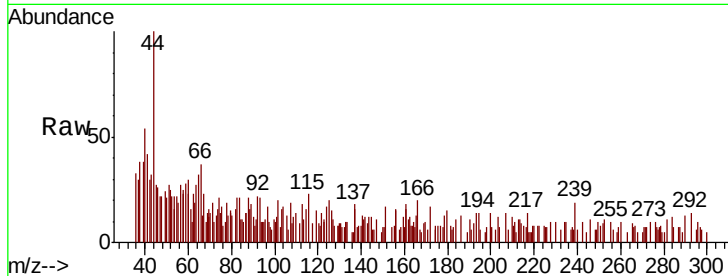
Tot Ion: 88 Resp: 379

Ion Ratio Lower Upper

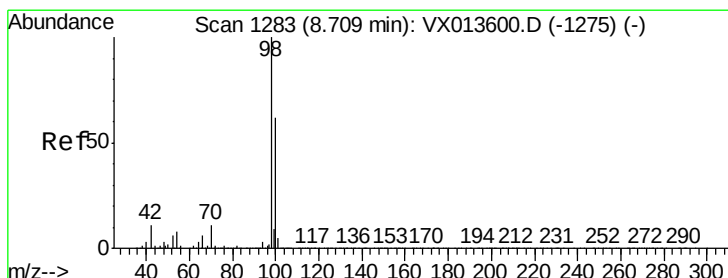
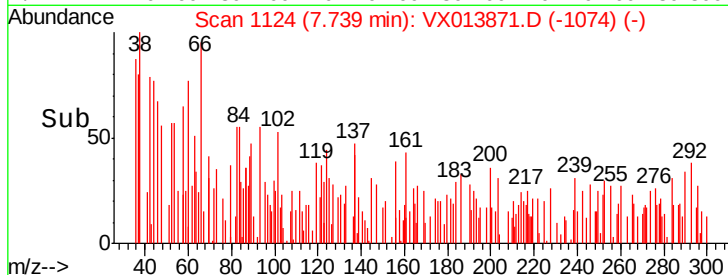
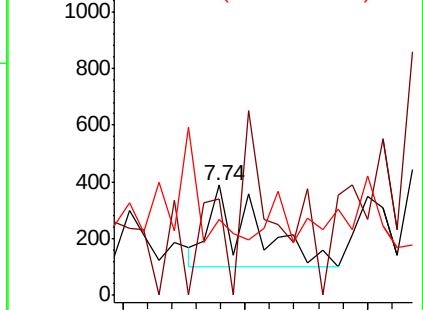
88 100

43 96.8 25.8 38.6#

58 277.0 54.6 82.0#



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: 49.310 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013871.D

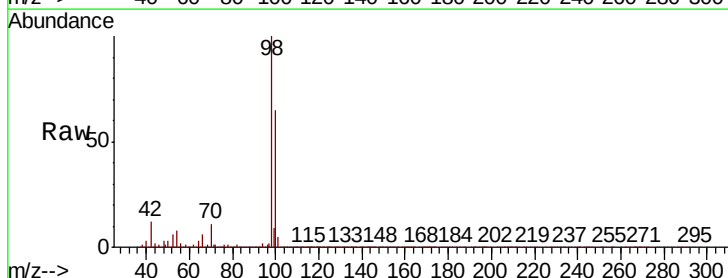
Acq: 09 Dec 2019 23:57

Tgt Ion: 98 Resp: 1097708

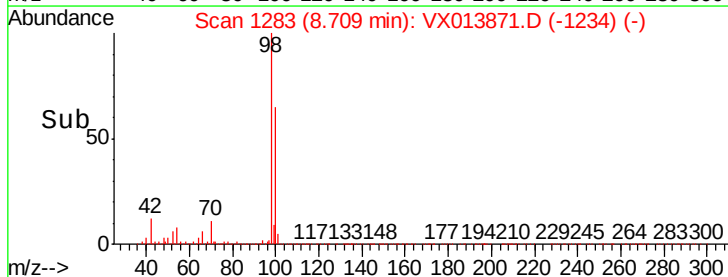
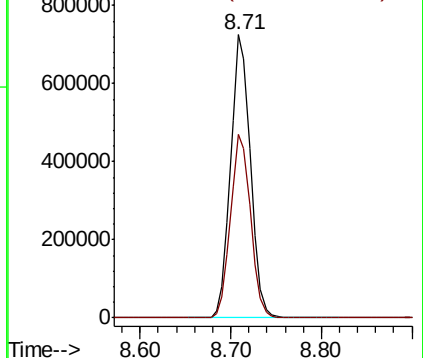
Ion Ratio Lower Upper

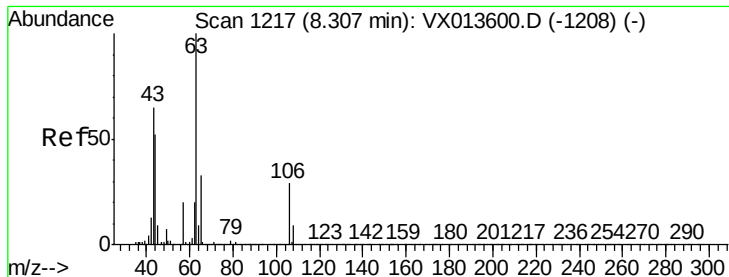
98 100

100 65.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

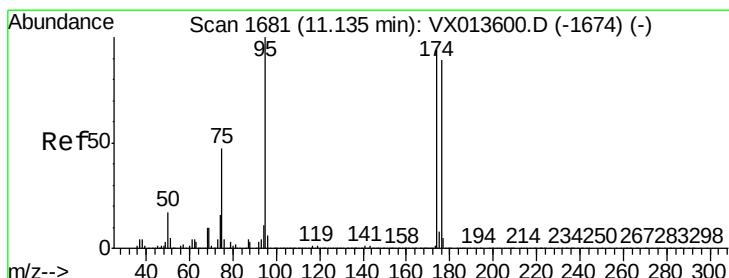
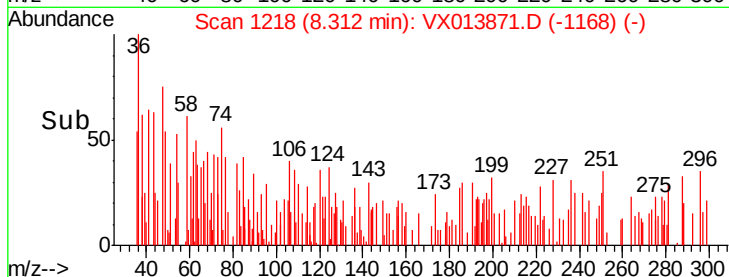
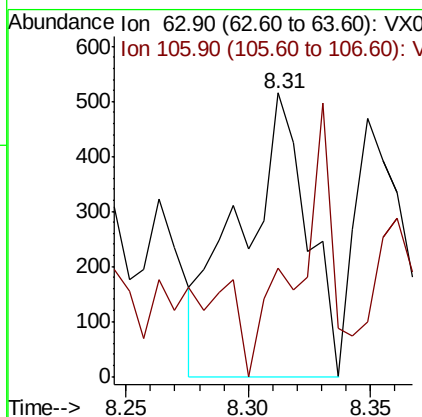
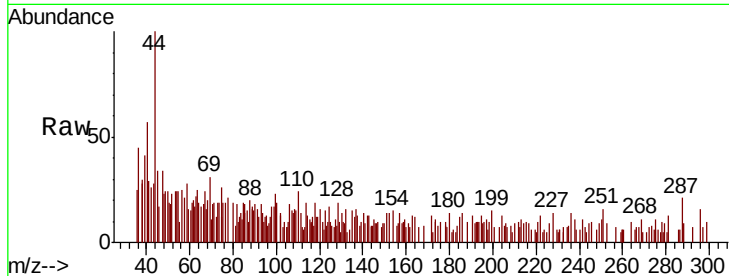




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.243 ug/l
 RT: 8.31 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VX013871.D
 Acq: 09 Dec 2019 23:57

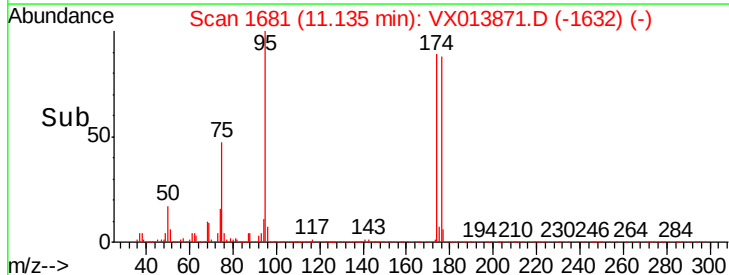
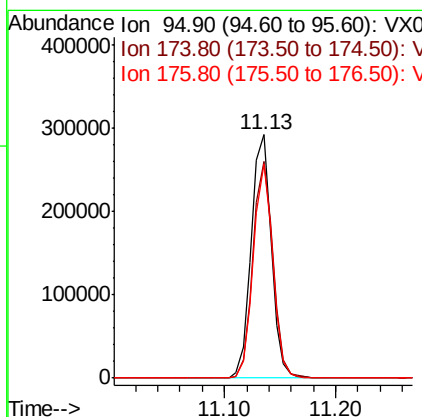
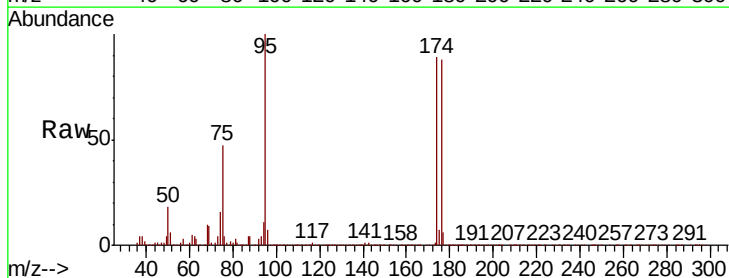
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBL02

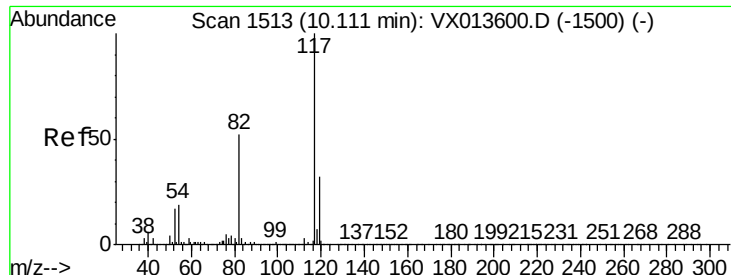
Tot Ion: 63 Resp: 981
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.4 35.0#



#62
 4-Bromofluorobenzene
 Concen: 45.834 ug/l
 RT: 11.13 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX013871.D
 Acq: 09 Dec 2019 23:57

Tgt Ion: 95 Resp: 367928
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 180.0
 176 85.8 0.0 173.6

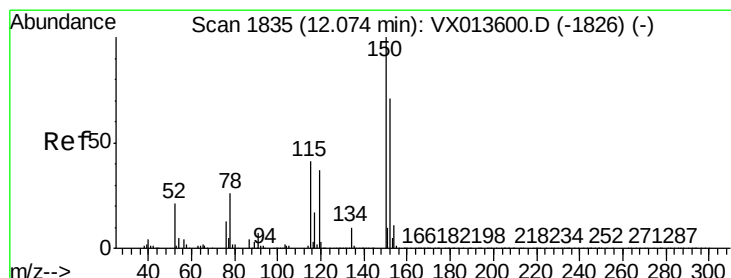
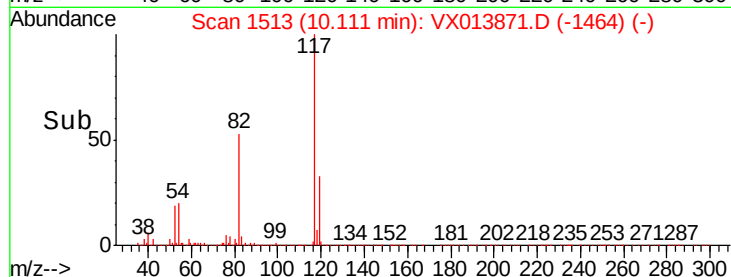
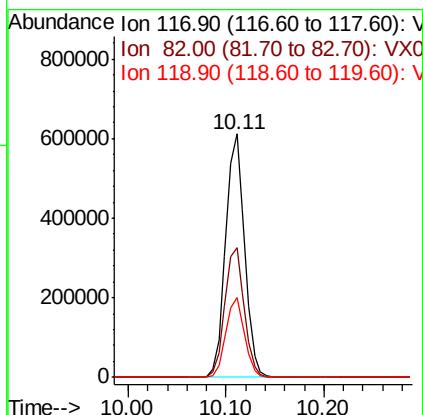
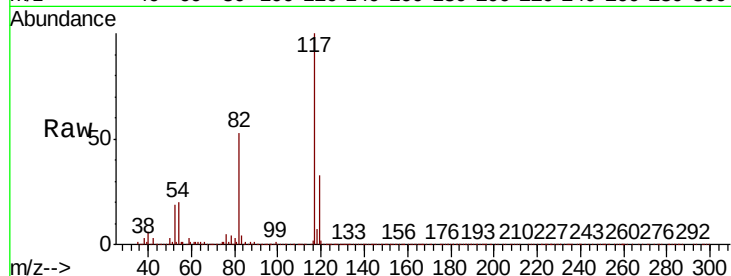




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013871.D
Acq: 09 Dec 2019 23:57

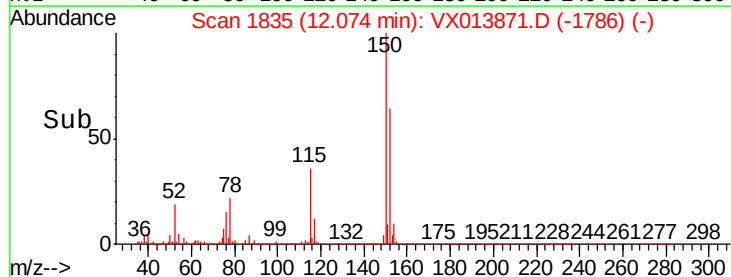
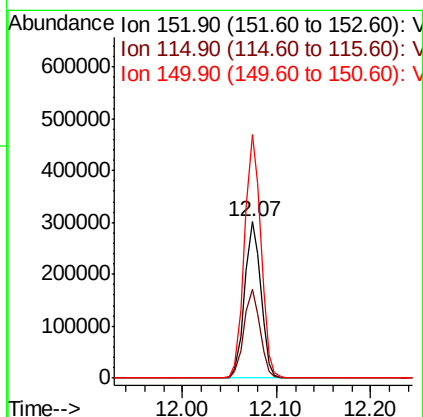
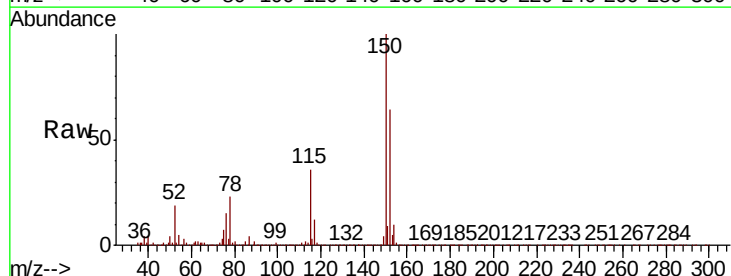
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL02

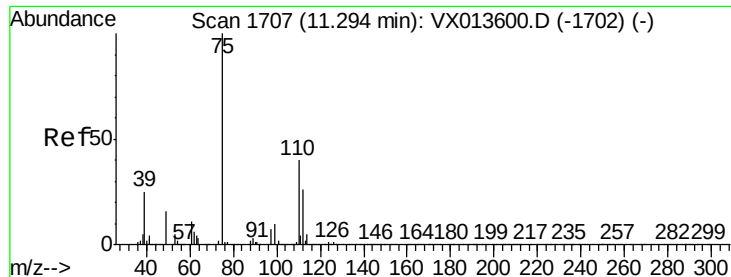
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.8	62.8
119	32.5	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013871.D
Acq: 09 Dec 2019 23:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	38.4	115.1
150	156.6	0.0	346.8





#76

1,2,3-Trichloropropane

Concen: 21.649 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013871.D

Acq: 09 Dec 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

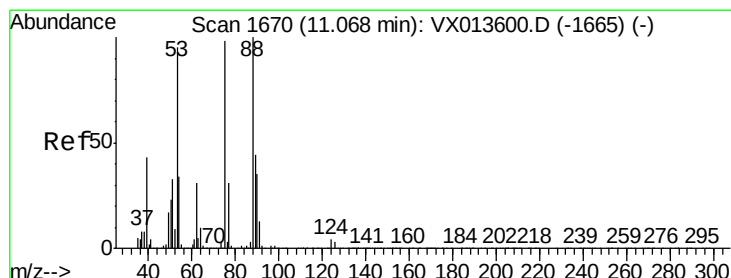
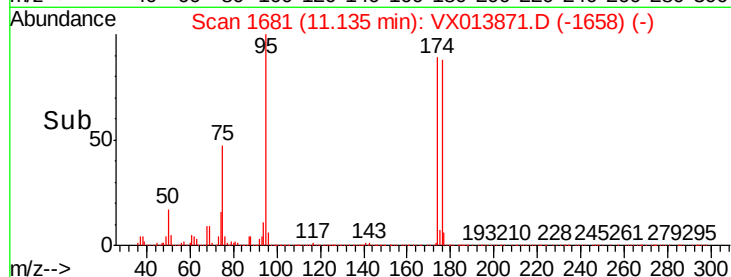
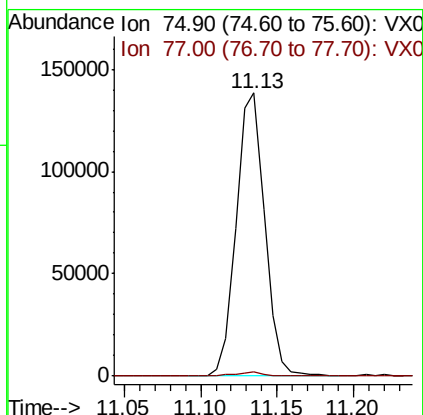
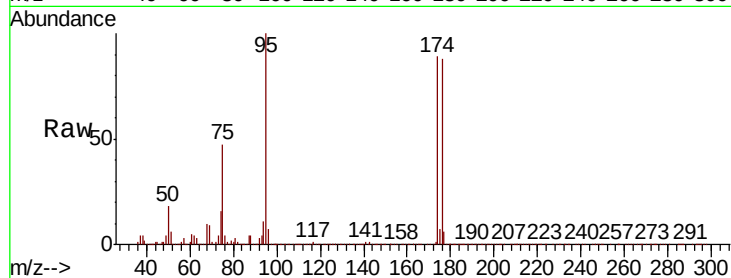
VX1209WBL02

Tot Ion: 75 Resp: 177684

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.229 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013871.D

Acq: 09 Dec 2019 23:57

Tgt Ion: 75 Resp: 177684

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.2#

89 0.0 35.4 53.2#

