

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102419\
 Data File : VX013192.D
 Acq On : 23 Oct 2019 17:22
 Operator : JC/SP
 Sample : VX1024WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBL02

Quant Time: Oct 24 04:00:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	86964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	130846	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	128479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	78325	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	100443	55.22	ug/l	0.00
Spiked Amount			Recovery	=	110.44%	
35) Dibromofluoromethane	5.49	113	76776	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
50) Toluene-d8	8.71	98	282847	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
62) 4-Bromofluorobenzene	11.13	95	103743	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	

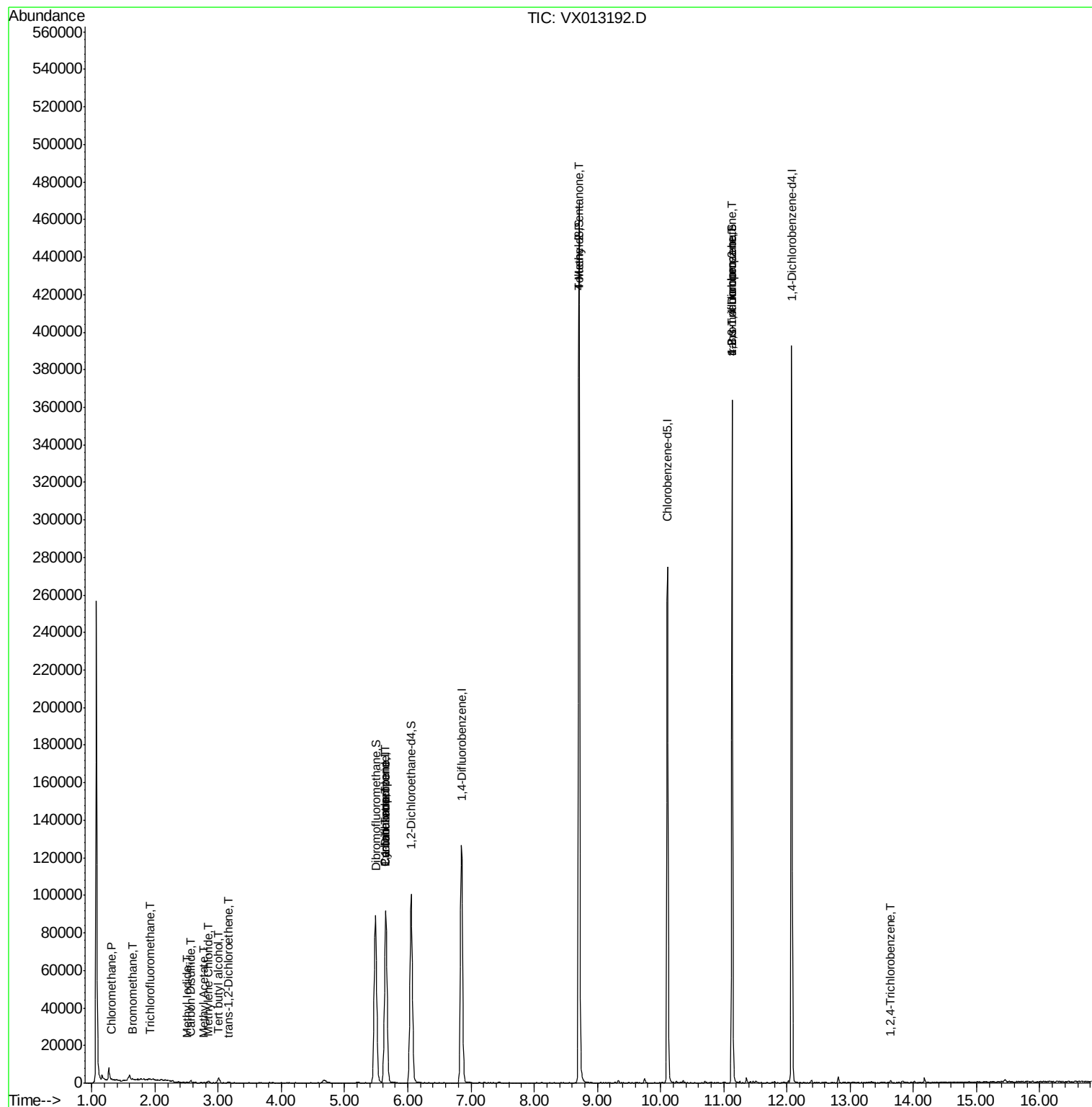
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	147	1.077	ug/l #	40
5) Bromomethane	1.64	94	363	0.434	ug/l	97
6) Chloroethane	1.69	64	405	Below Cal	#	43
7) Trichlorofluoromethane	1.92	101	118	0.346	ug/l #	17
10) Methyl Iodide	2.51	142	283	3.676	ug/l #	78
11) Tert butyl alcohol	3.01	59	1730	3.336	ug/l #	72
17) Carbon Disulfide	2.56	76	1508	0.379	ug/l #	94
18) Methyl Acetate	2.76	43	41	0.990	ug/l #	49
20) Methylene Chloride	2.84	84	474	0.583	ug/l #	90
21) trans-1,2-Dichloroethene	3.16	96	234	0.626	ug/l #	66
31) Cyclohexane	5.65	56	1691	0.719	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	6451	2.873	ug/l #	49
38) Carbon Tetrachloride	5.65	117	8804	3.640	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1242	0.563	ug/l #	1
64) Tetrachloroethene	9.34	164	215	Below Cal	#	20
76) 1,2,3-Trichloropropane	11.13	75	50439	26.719	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	50439	73.422	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.64	180	478	0.251	ug/l	88

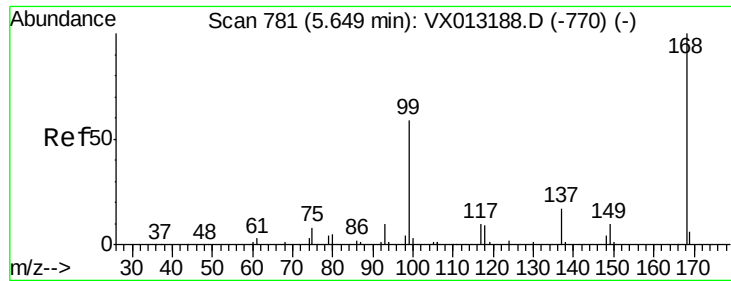
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013192.D

Acq: 23 Oct 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

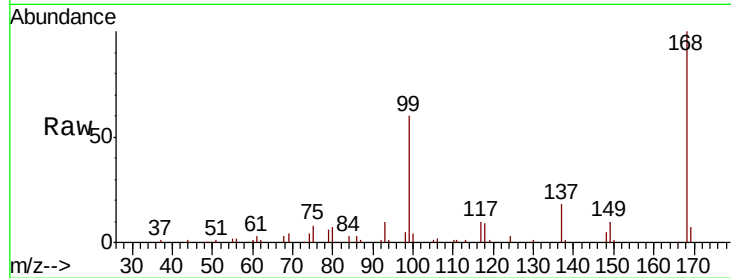
VX1024WBL02

Tot Ion:168 Resp: 86964

Ion Ratio Lower Upper

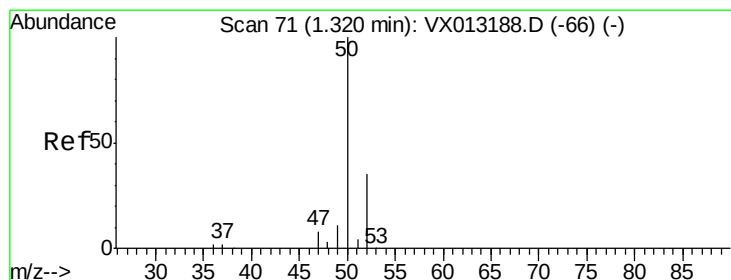
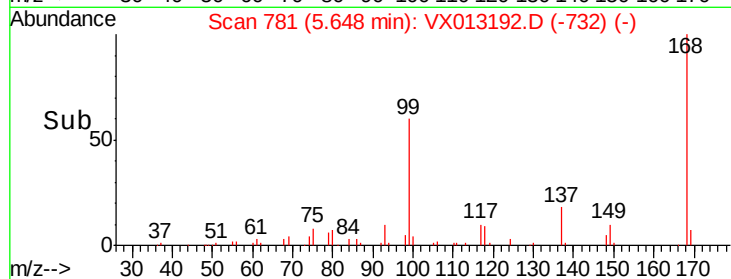
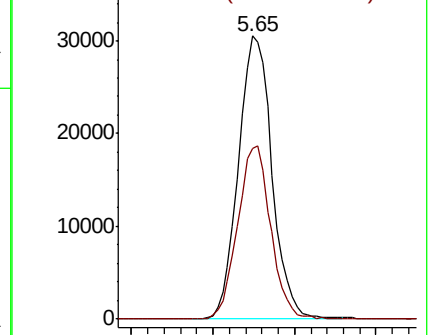
168 100

99 60.3 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 1.077 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX013192.D

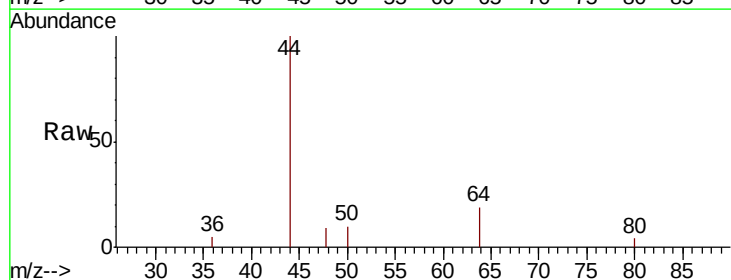
Acq: 23 Oct 2019 17:22

Tgt Ion: 50 Resp: 147

Ion Ratio Lower Upper

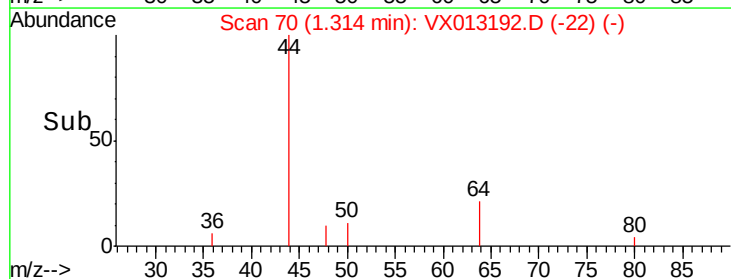
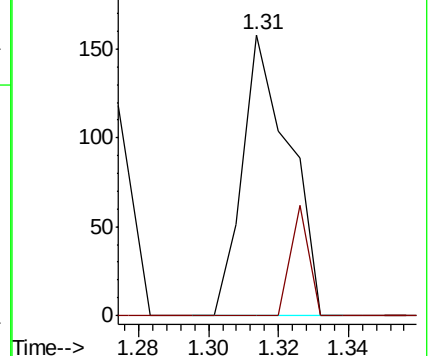
50 100

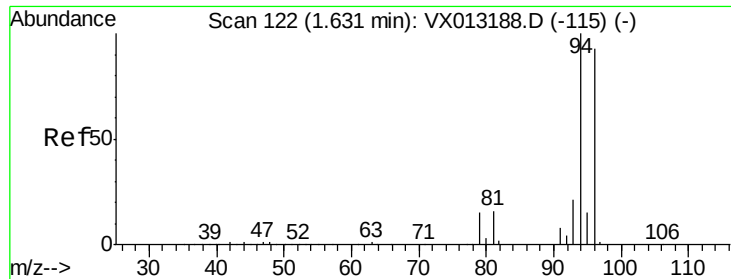
52 0.0 27.8 41.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

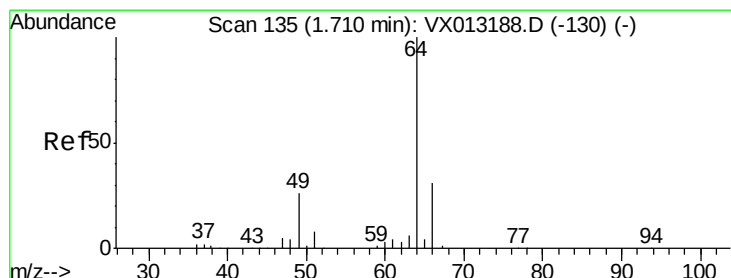
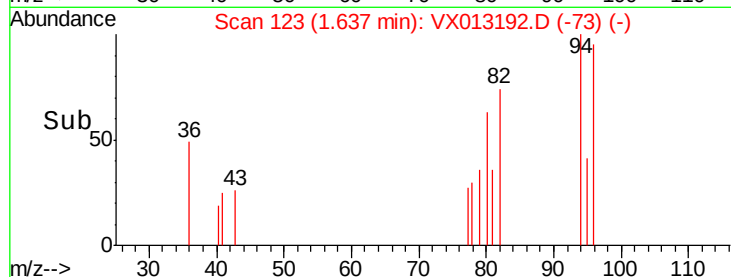
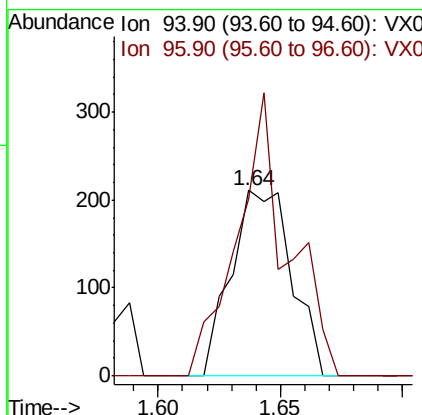
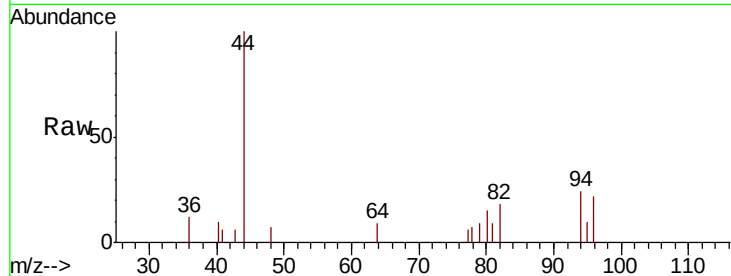




#5
Bromomethane
Concen: 0.434 ug/l
RT: 1.64 min Scan# 123
Delta R.T. 0.01 min
Lab File: VX013192.D
Acq: 23 Oct 2019 17:22

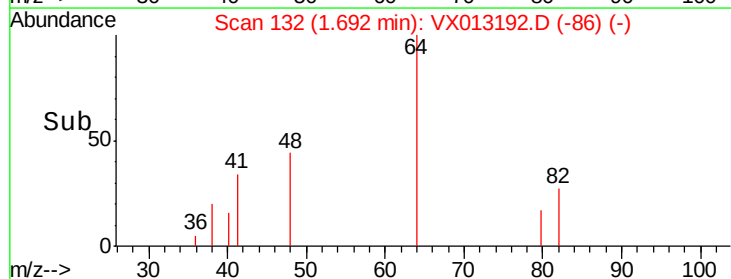
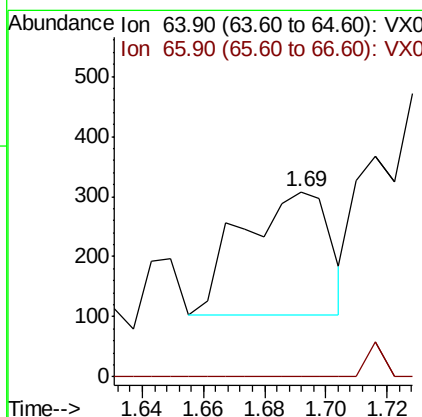
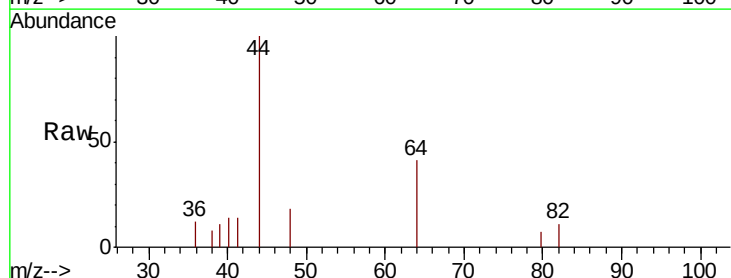
Instrument :
MSVOA_X
ClientSampleId :
VX1024WBL02

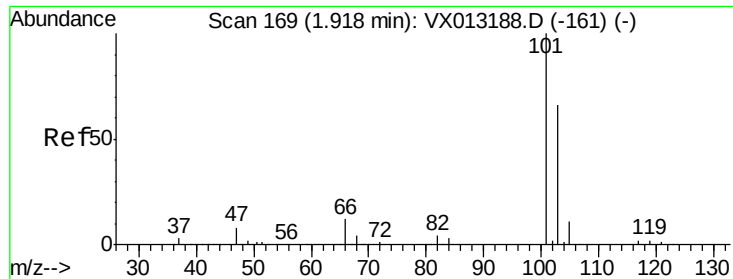
Tot Ion: 94 Resp: 363
Ion Ratio Lower Upper
94 100
96 95.3 74.2 111.2



#6
Chloroethane
Concen: Below Cal
RT: 1.69 min Scan# 132
Delta R.T. -0.02 min
Lab File: VX013192.D
Acq: 23 Oct 2019 17:22

Tgt Ion: 64 Resp: 405
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



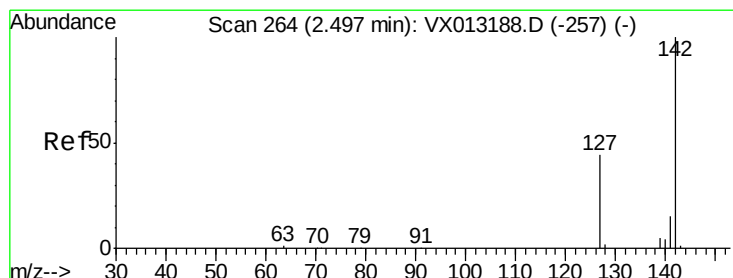
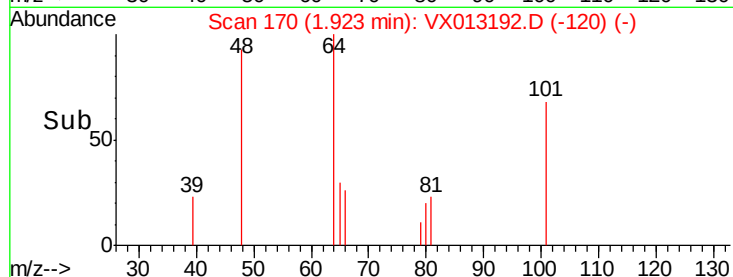
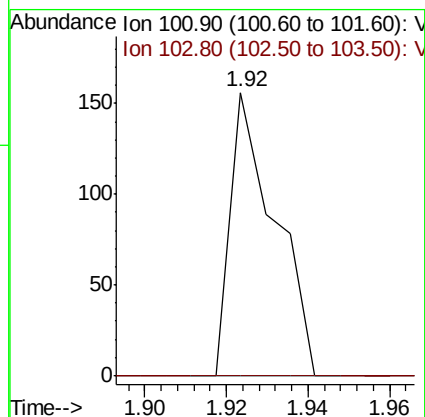
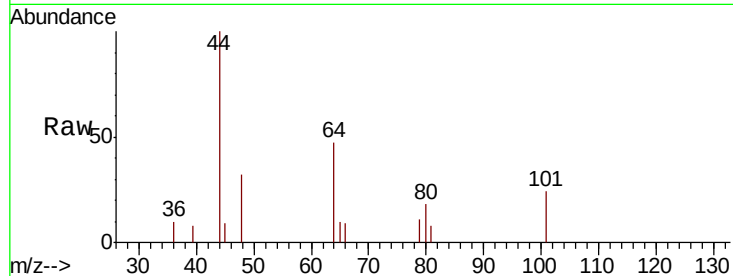


#7

Trichlorofluoromethane
 Concen: 0.346 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX013192.D
 Acq: 23 Oct 2019 17:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBL02

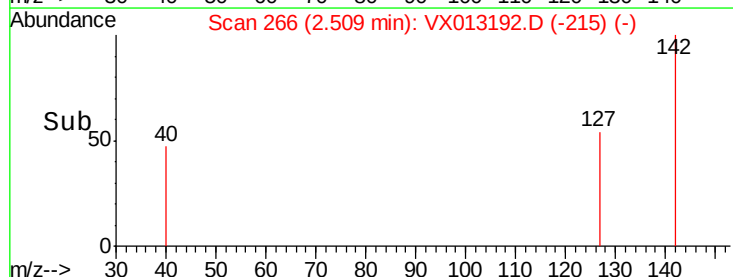
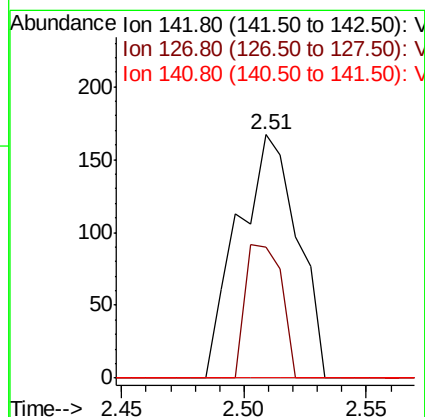
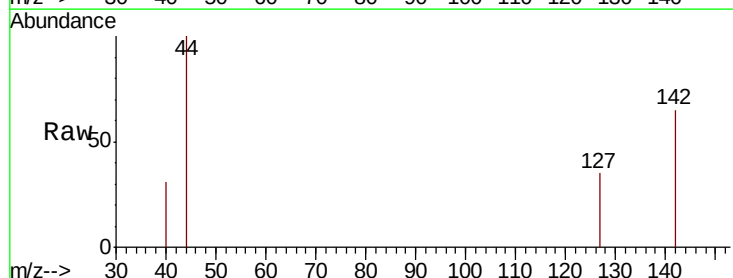
Tot Ion:101 Resp: 118
 Ion Ratio Lower Upper
 101 100
 103 0.0 53.0 79.6#

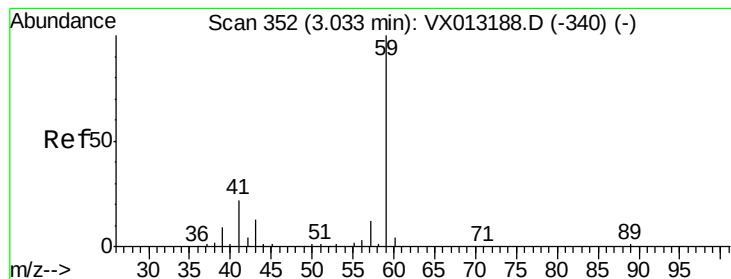


#10

Methyl Iodide
 Concen: 3.676 ug/l
 RT: 2.51 min Scan# 266
 Delta R.T. 0.01 min
 Lab File: VX013192.D
 Acq: 23 Oct 2019 17:22

Tgt Ion:142 Resp: 283
 Ion Ratio Lower Upper
 142 100
 127 33.2 35.6 53.4#
 141 0.0 11.6 17.4#



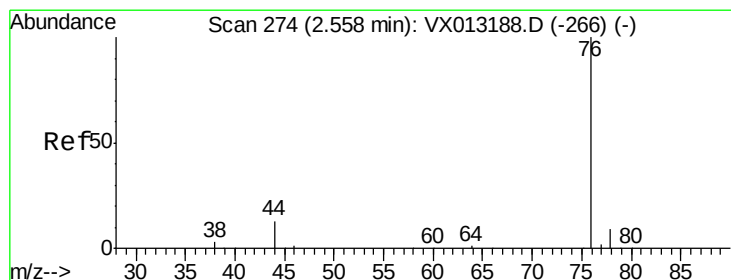
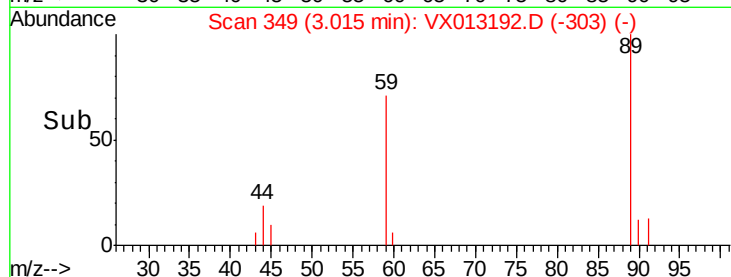
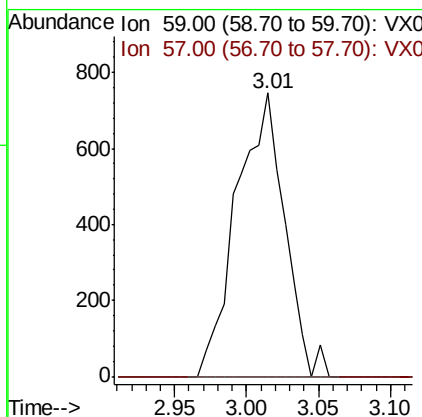
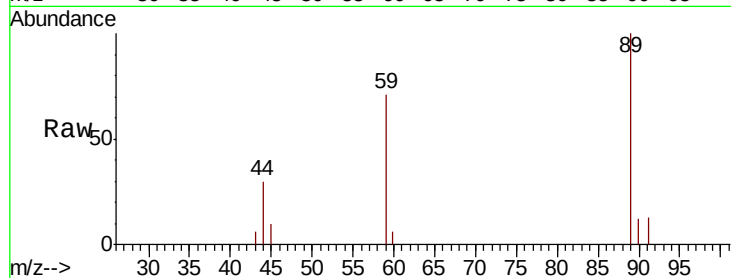


#11

Tert butyl alcohol
 Concen: 3.336 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.02 min
 Lab File: VX013192.D
 Acq: 23 Oct 2019 17:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBL02

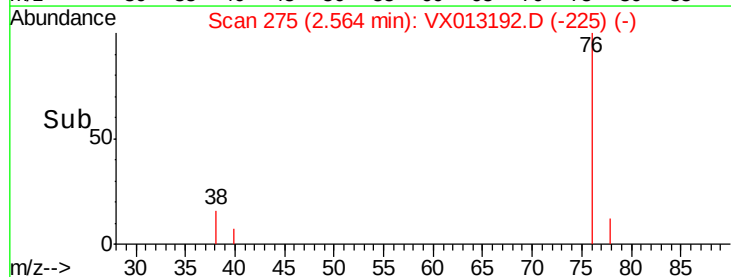
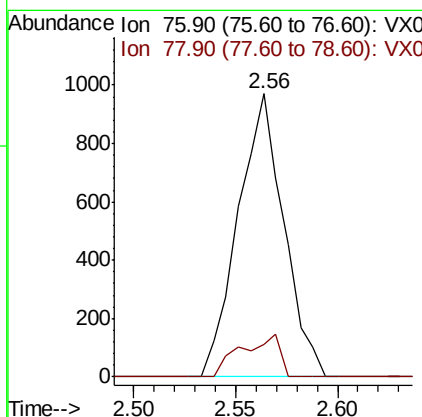
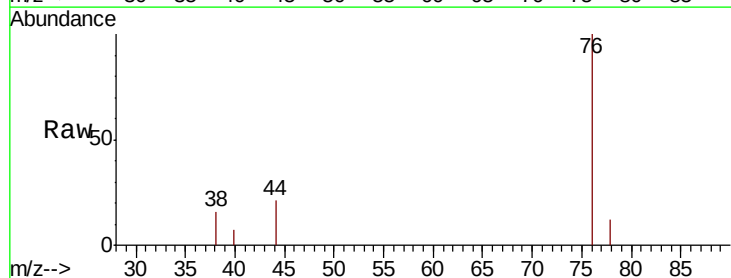
Tot Ion: 59 Resp: 1730
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

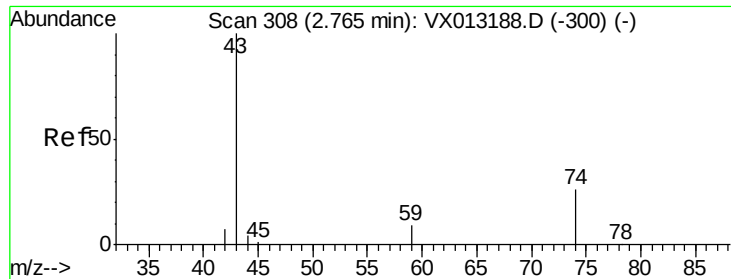


#17

Carbon Disulfide
 Concen: 0.379 ug/l
 RT: 2.56 min Scan# 275
 Delta R.T. 0.01 min
 Lab File: VX013192.D
 Acq: 23 Oct 2019 17:22

Tgt Ion: 76 Resp: 1508
 Ion Ratio Lower Upper
 76 100
 78 11.6 7.4 11.2#

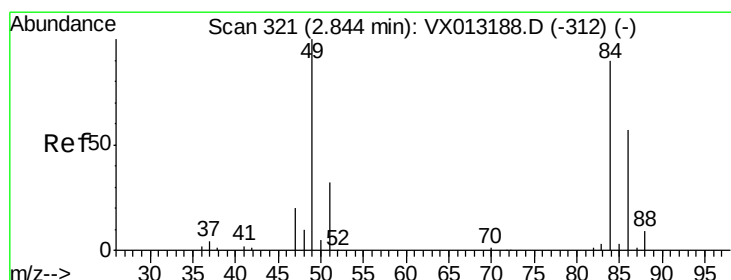
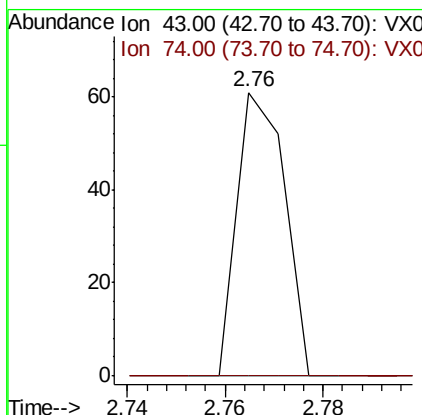
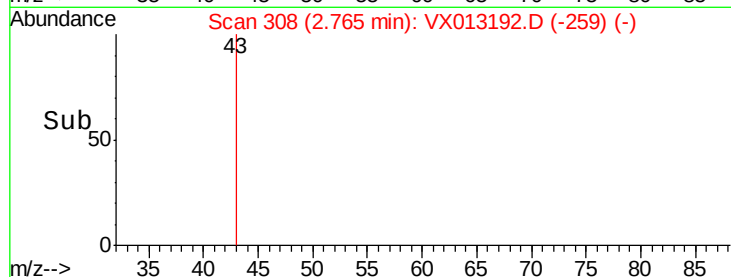
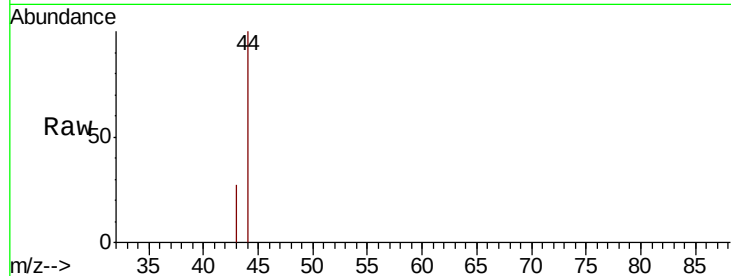




#18
Methvl Acetate
Concen: 0.990 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX013192.D
Acq: 23 Oct 2019 17:22

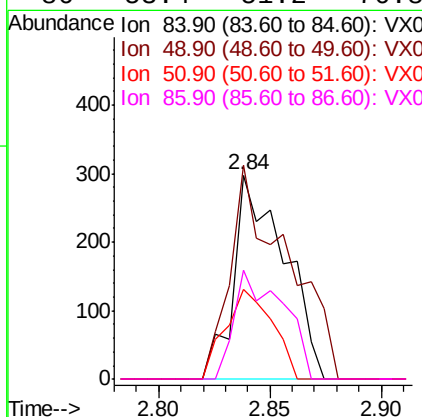
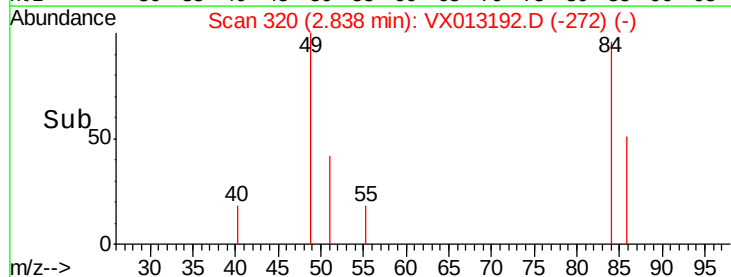
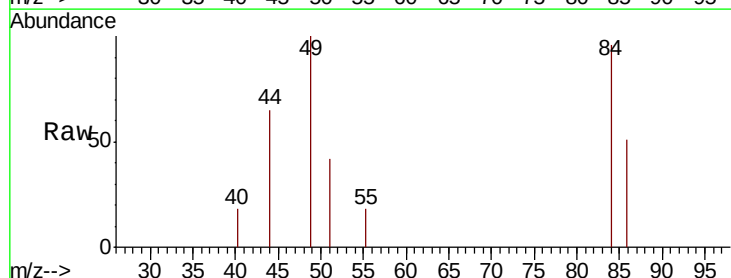
Instrument :
MSVOA_X
ClientSampleId :
VX1024WBL02

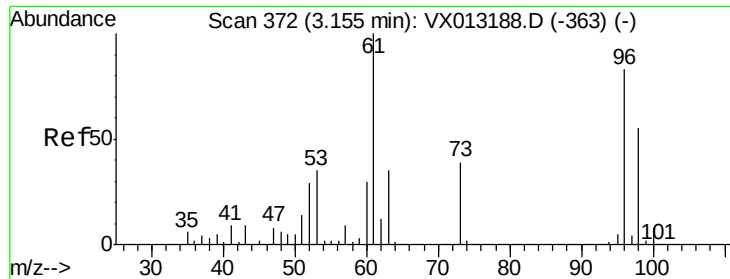
Tot Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
74 0.0 20.9 31.3#



#20
Methylene Chloride
Concen: 0.583 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX013192.D
Acq: 23 Oct 2019 17:22

Tgt Ion: 84 Resp: 474
Ion Ratio Lower Upper
84 100
49 104.7 89.2 133.8
51 44.3 28.8 43.2#
86 53.4 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 0.626 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013192.D

Acq: 23 Oct 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBL02

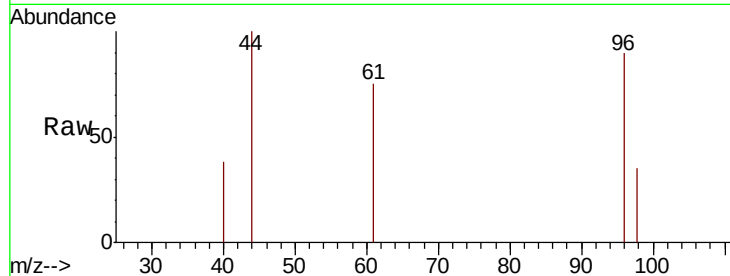
Tot Ion: 96 Resp: 234

Ion Ratio Lower Upper

96 100

61 83.2 96.9 145.3#

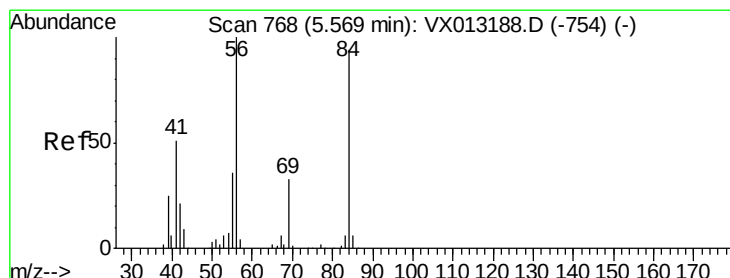
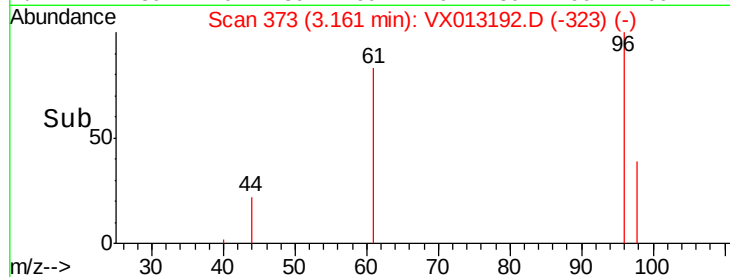
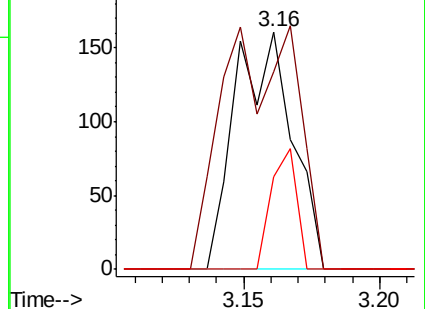
98 39.1 53.0 79.4#



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



#31

Cyclohexane

Concen: 0.719 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX013192.D

Acq: 23 Oct 2019 17:22

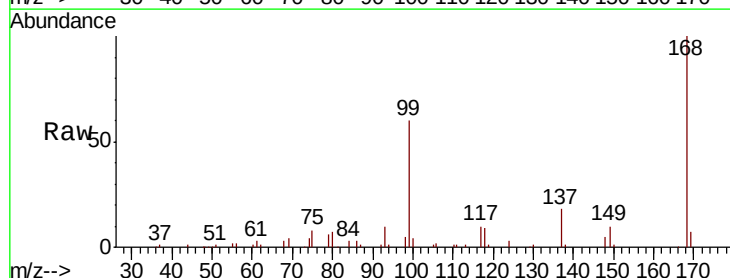
Tgt Ion: 56 Resp: 1691

Ion Ratio Lower Upper

56 100

69 202.2 26.3 39.5#

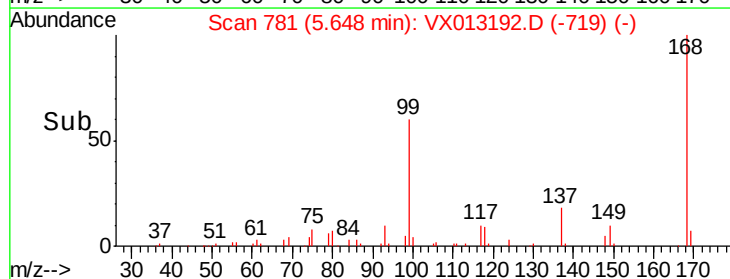
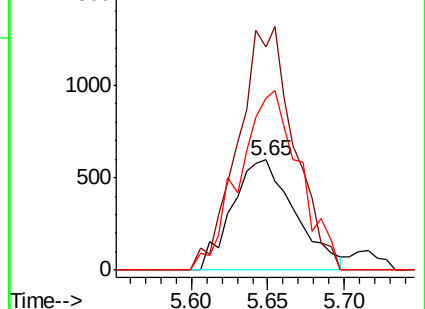
84 156.4 73.8 110.6#

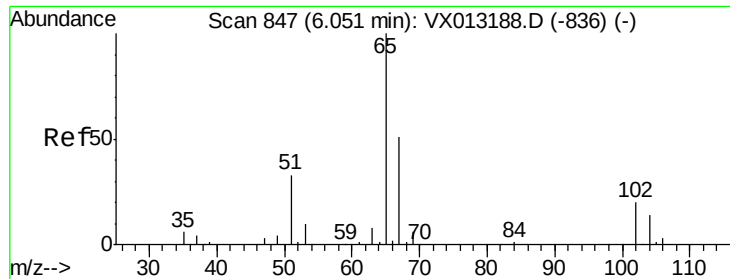


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 55.222 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013192.D

Acq: 23 Oct 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

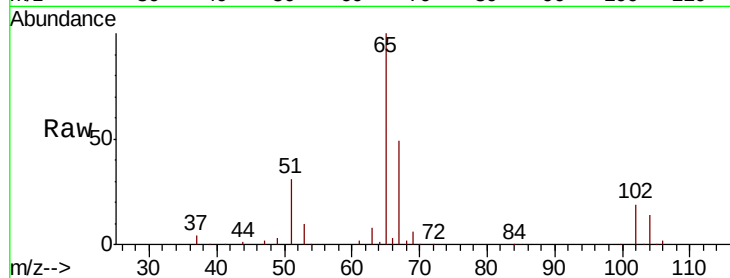
VX1024WBL02

Tot Ion: 65 Resp: 100443

Ion Ratio Lower Upper

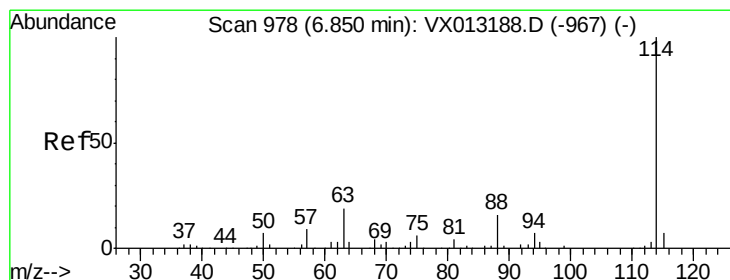
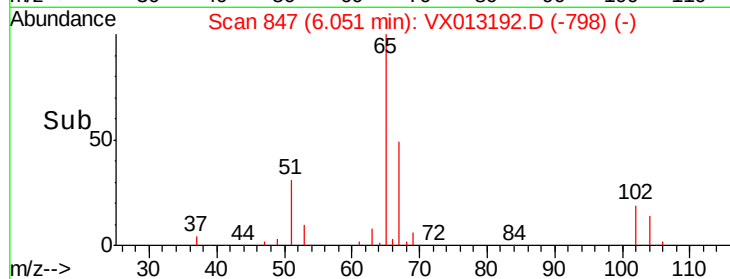
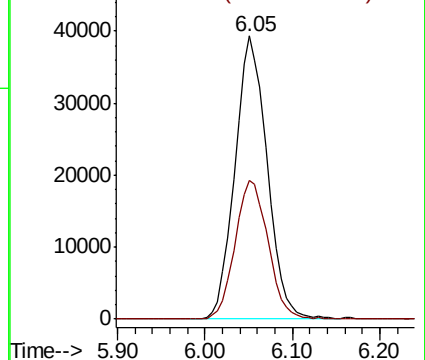
65 100

67 50.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013192.D

Acq: 23 Oct 2019 17:22

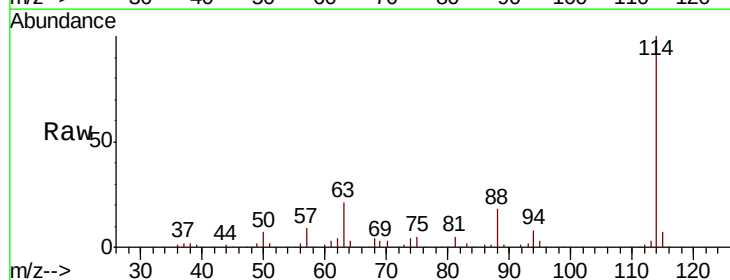
Tgt Ion: 114 Resp: 130846

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.0

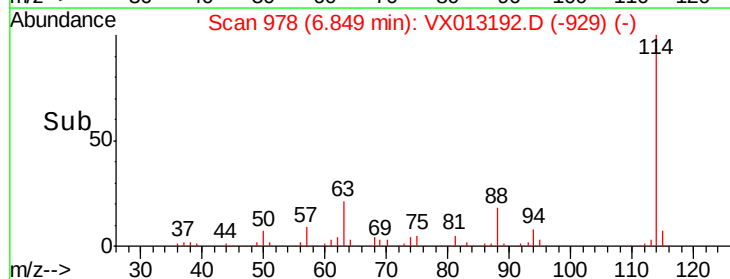
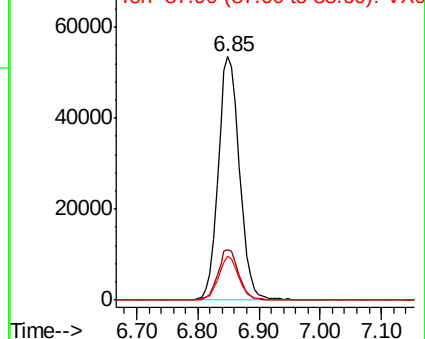
88 18.0 0.0 32.0

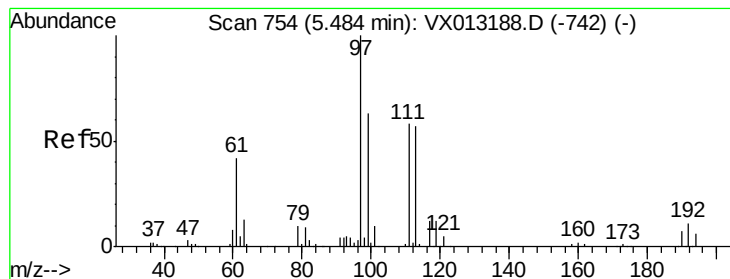


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.618 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013192.D

Acq: 23 Oct 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBL02

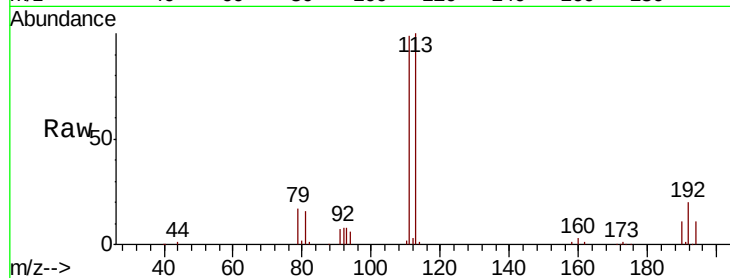
Tot Ion:113 Resp: 76776

Ion Ratio Lower Upper

113 100

111 102.2 80.3 120.5

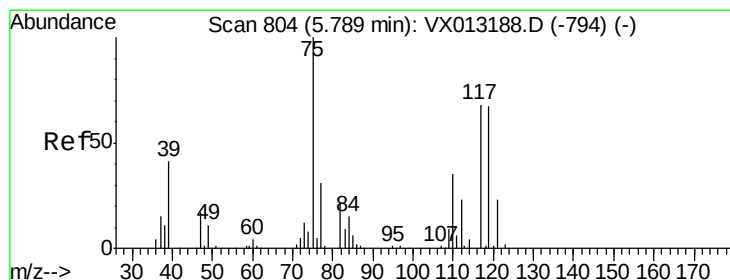
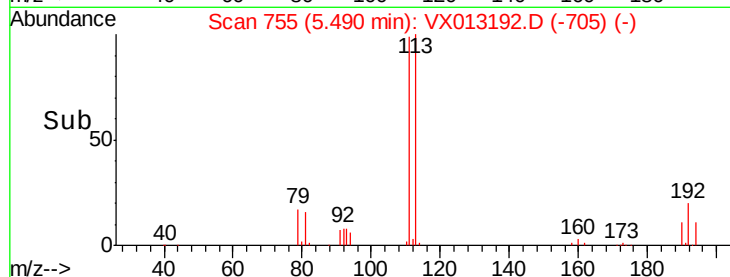
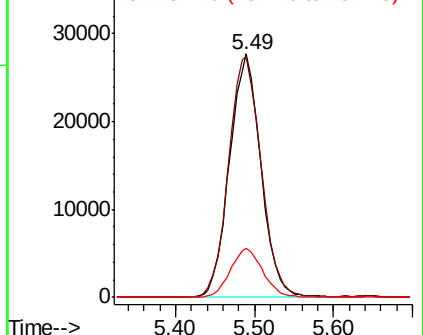
192 20.5 15.9 23.9



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: 2.873 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013192.D

Acq: 23 Oct 2019 17:22

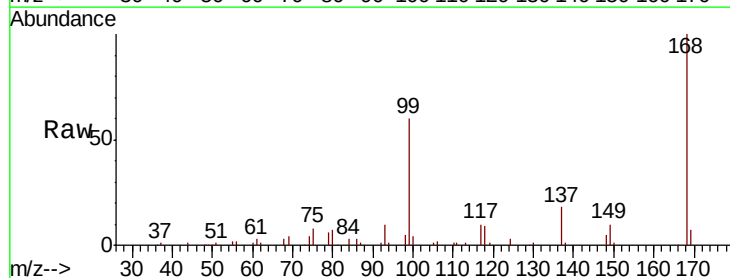
Tgt Ion: 75 Resp: 6451

Ion Ratio Lower Upper

75 100

110 8.7 17.6 52.9#

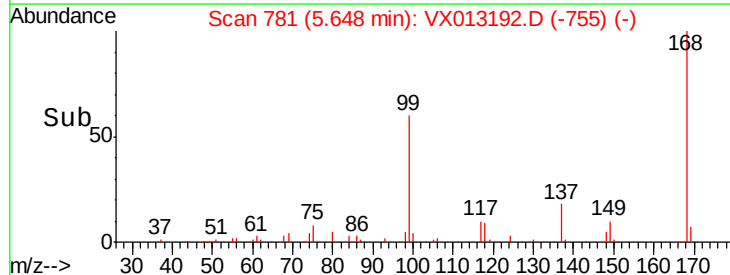
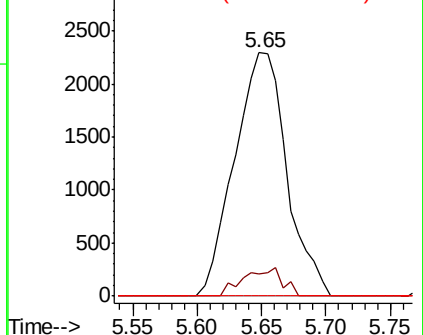
77 0.0 24.7 37.1#

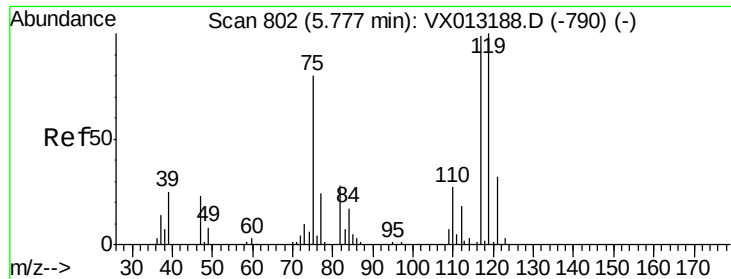


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 3.640 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013192.D

Acq: 23 Oct 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBL02

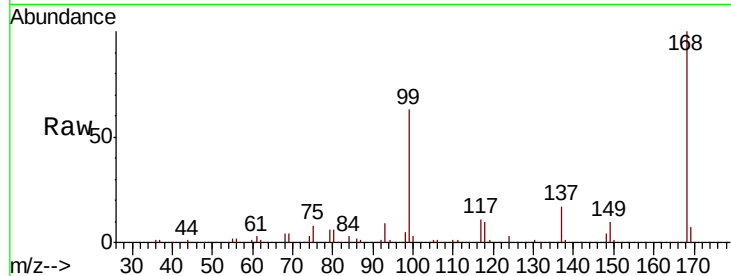
Tot Ion:117 Resp: 8804

Ion Ratio Lower Upper

117 100

119 7.3 80.1 120.1#

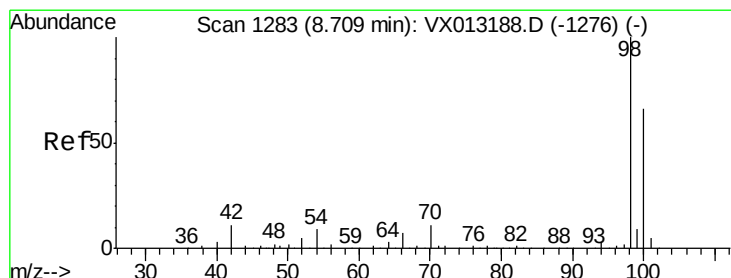
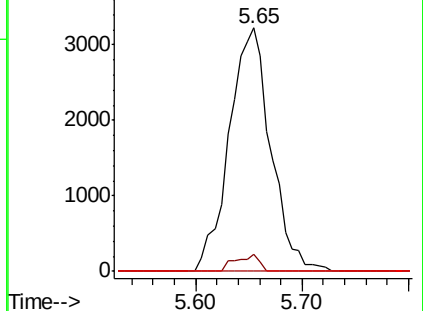
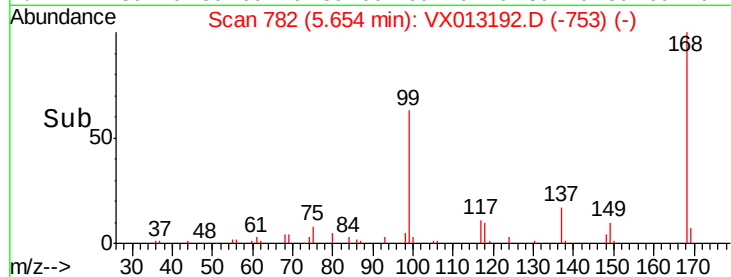
121 0.0 25.5 38.3#



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



#50

Toluene-d8

Concen: 52.308 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013192.D

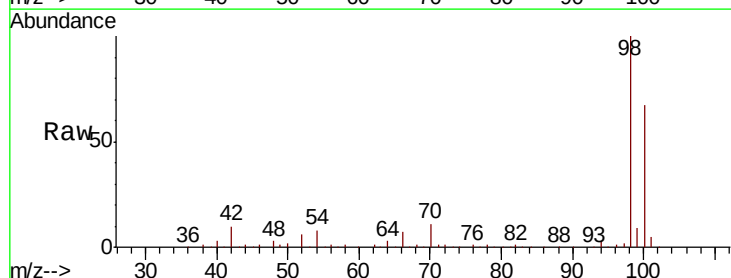
Acq: 23 Oct 2019 17:22

Tgt Ion: 98 Resp: 282847

Ion Ratio Lower Upper

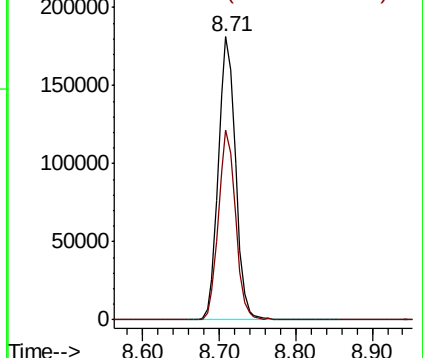
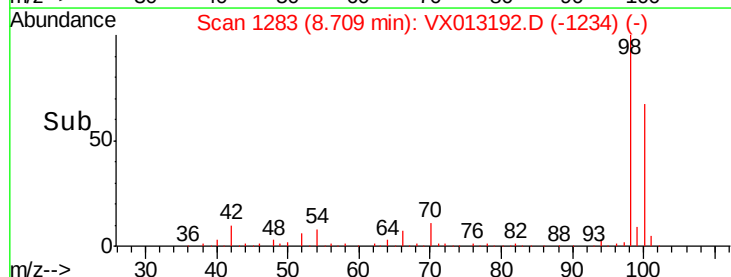
98 100

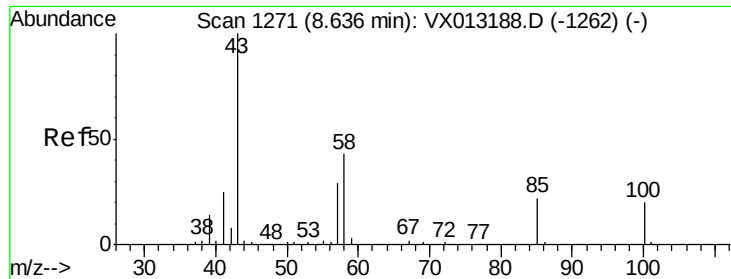
100 66.9 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.563 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX013192.D

Acq: 23 Oct 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

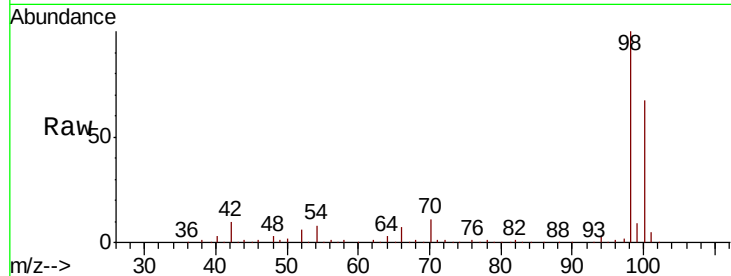
VX1024WBL02

Tot Ion: 43 Resp: 1242

Ion Ratio Lower Upper

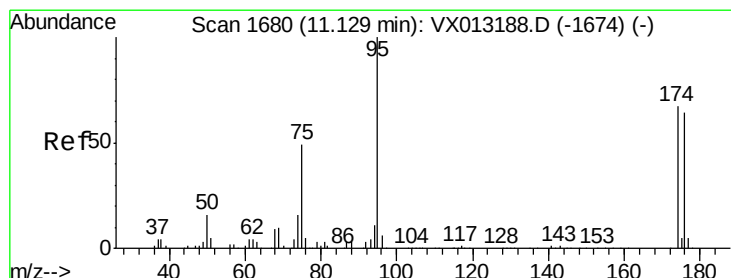
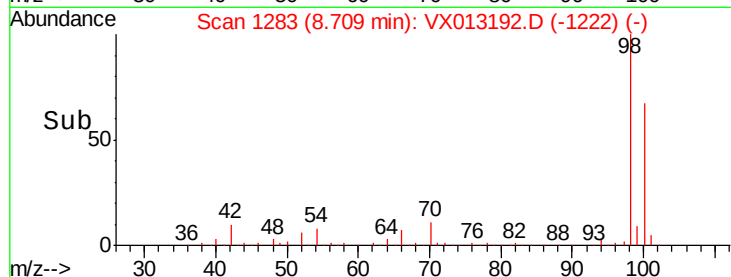
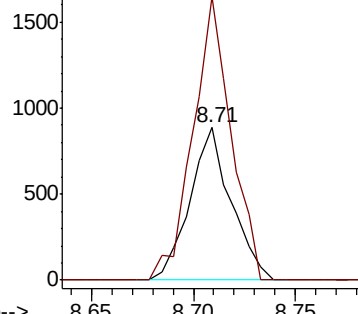
43 100

58 171.9 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 48.473 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013192.D

Acq: 23 Oct 2019 17:22

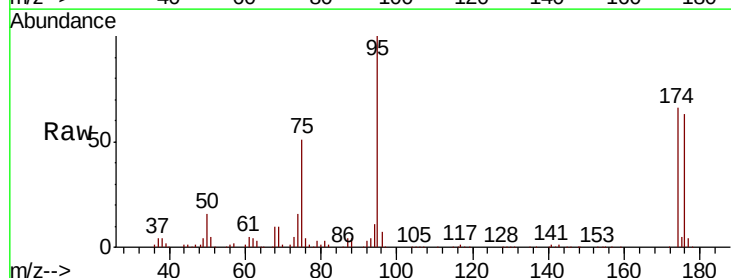
Tgt Ion: 95 Resp: 103743

Ion Ratio Lower Upper

95 100

174 75.6 0.0 152.4

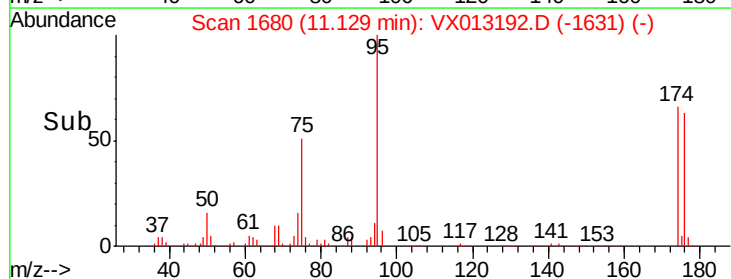
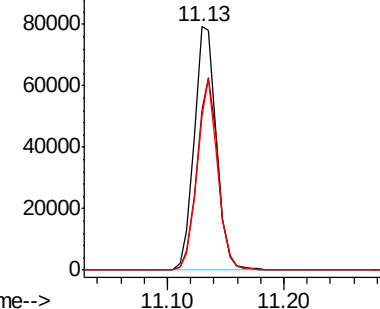
176 72.3 0.0 146.0

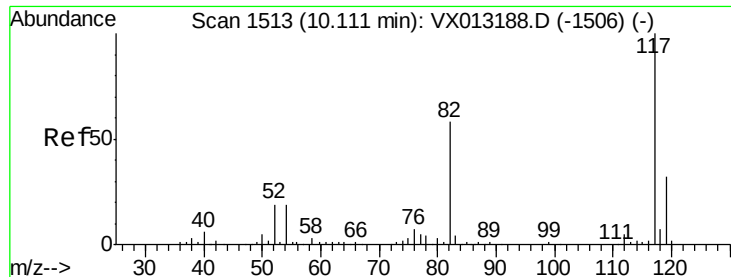


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

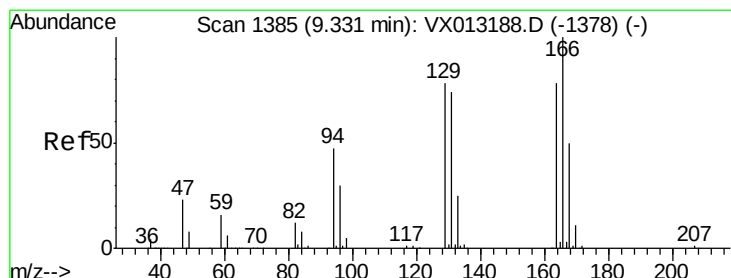
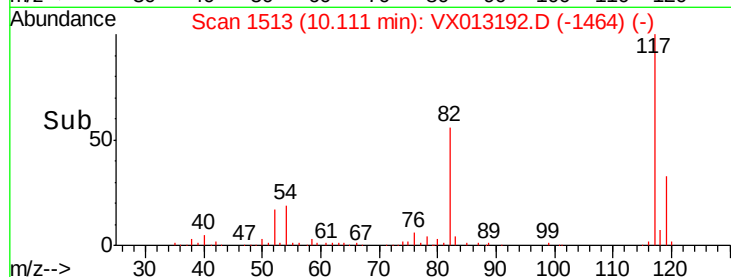
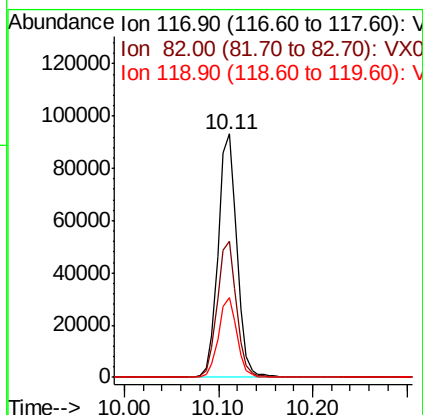
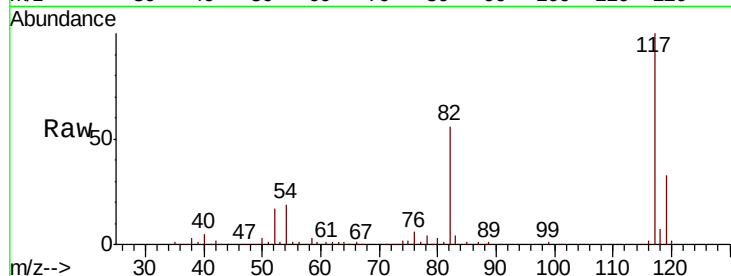




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013192.D
Acq: 23 Oct 2019 17:22

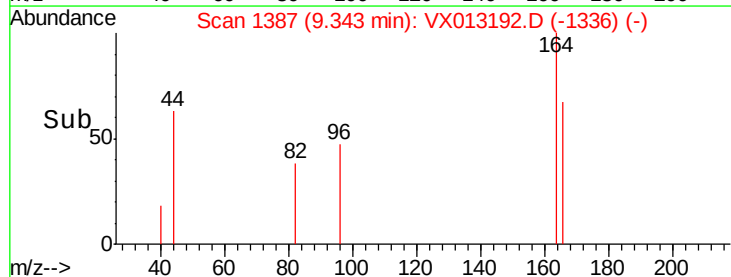
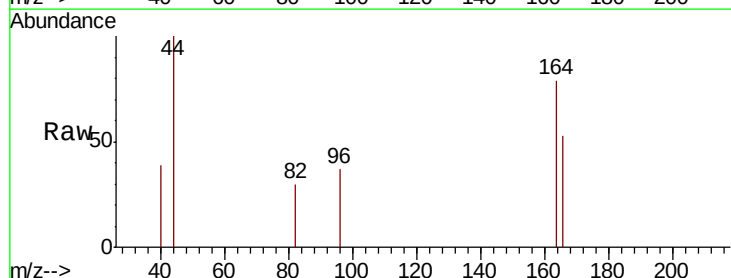
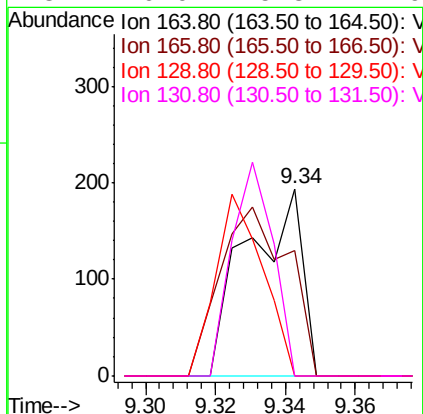
Instrument :
MSVOA_X
ClientSampleId :
VX1024WBL02

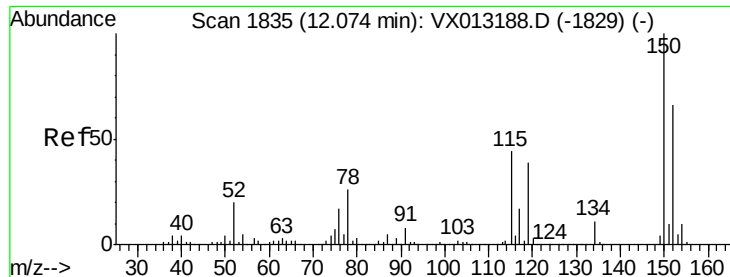
Tot Ion:117 Resp: 128479
Ion Ratio Lower Upper
117 100
82 56.1 46.5 69.7
119 33.0 25.2 37.8



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.34 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VX013192.D
Acq: 23 Oct 2019 17:22

Tgt Ion:164 Resp: 215
Ion Ratio Lower Upper
164 100
166 67.0 102.2 153.4#
129 0.0 79.8 119.8#
131 0.0 75.3 112.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013192.D

Acq: 23 Oct 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBL02

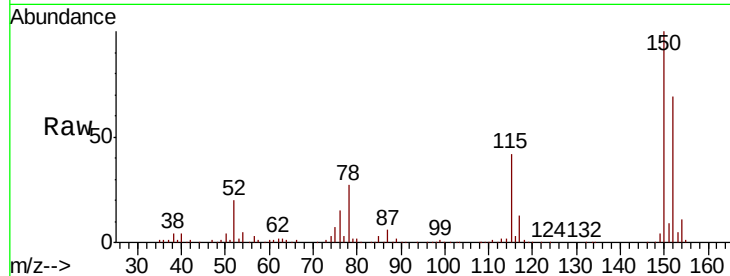
Tot Ion:152 Resp: 78325

Ion Ratio Lower Upper

152 100

115 63.8 46.6 139.8

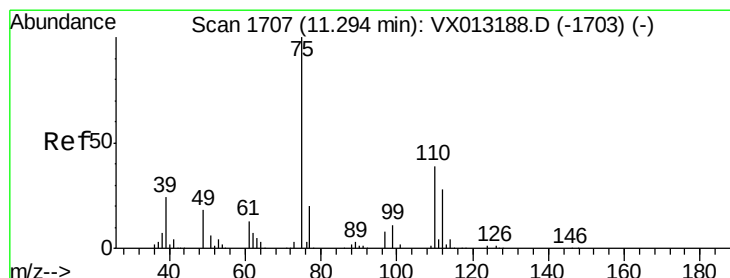
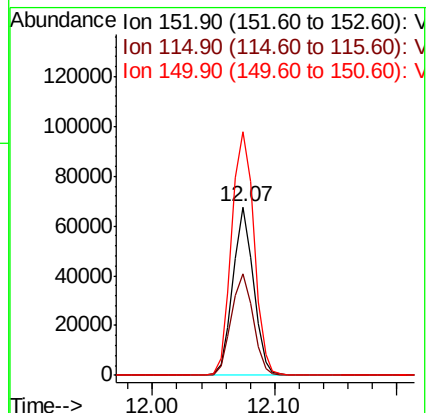
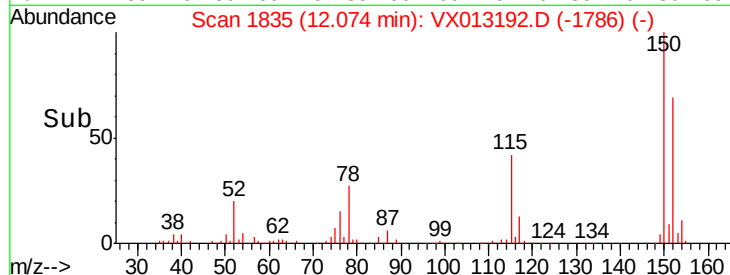
150 157.5 0.0 354.0



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: 26.719 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013192.D

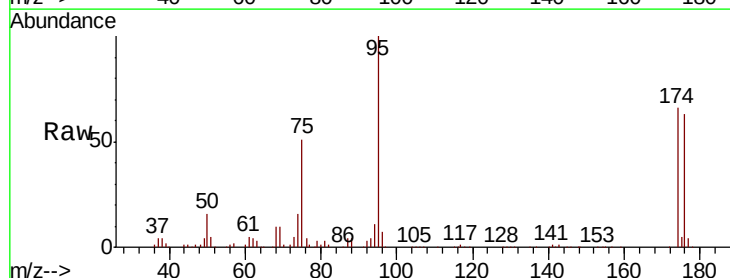
Acq: 23 Oct 2019 17:22

Tgt Ion: 75 Resp: 50439

Ion Ratio Lower Upper

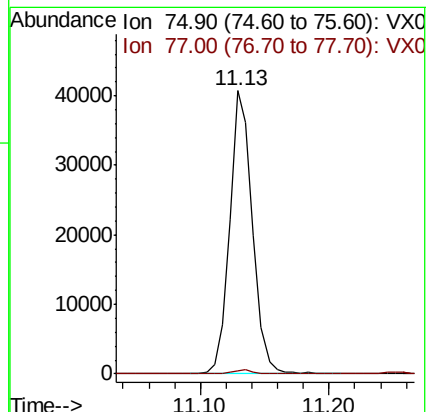
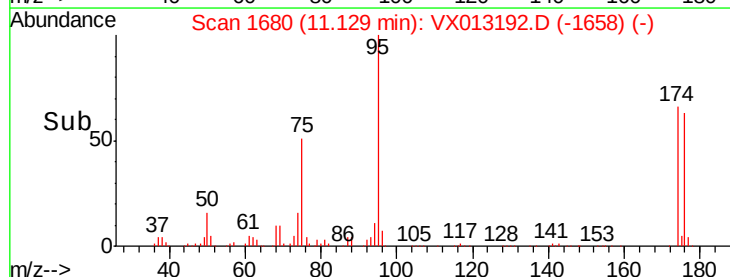
75 100

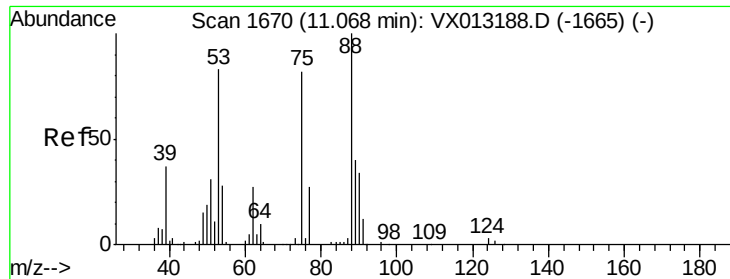
77 1.3 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 73.422 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013192.D

Acq: 23 Oct 2019 17:22

Instrument :

MSVOA_X

ClientSampled :

VX1024WBL02

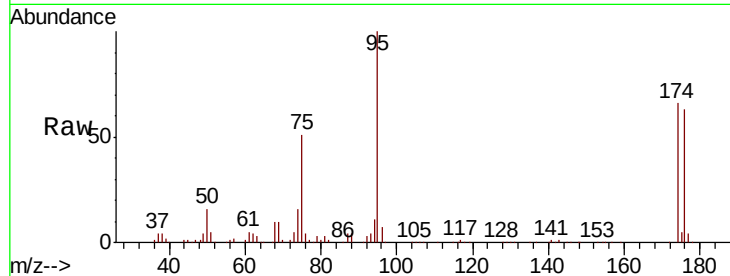
Tot Ion: 75 Resp: 50439

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

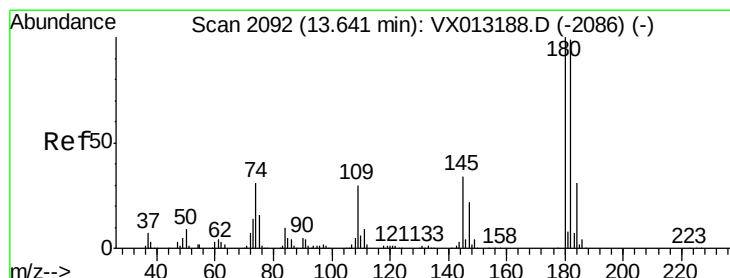
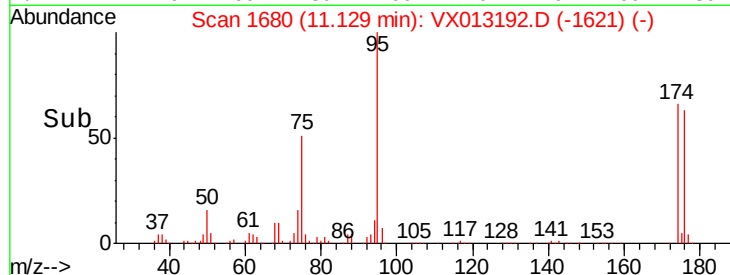
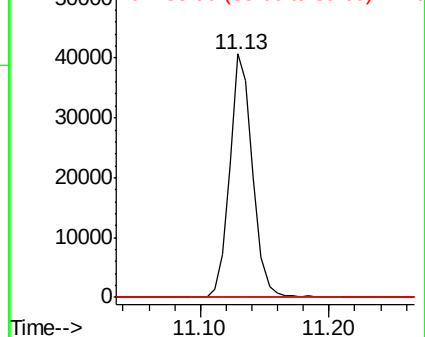
89 0.0 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#93

1,2,4-Trichlorobenzene

Concen: 0.251 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX013192.D

Acq: 23 Oct 2019 17:22

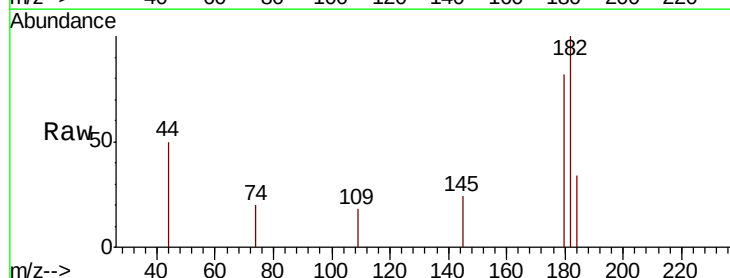
Tgt Ion: 180 Resp: 478

Ion Ratio Lower Upper

180 100

182 104.8 45.9 137.6

145 35.8 15.9 47.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

