

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101619\
 Data File : VX013092.D
 Acq On : 16 Oct 2019 13:23
 Operator : JC/SP
 Sample : VX1016WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 17 03:09:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 17 03:05:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	29793	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	171818	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	145866	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	68181	29.84	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.47%
60) 4-Bromofluorobenzene	11.13	95	70517	27.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.07%
63) Toluene-d8	8.71	98	199989	30.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.17%

Target Compounds

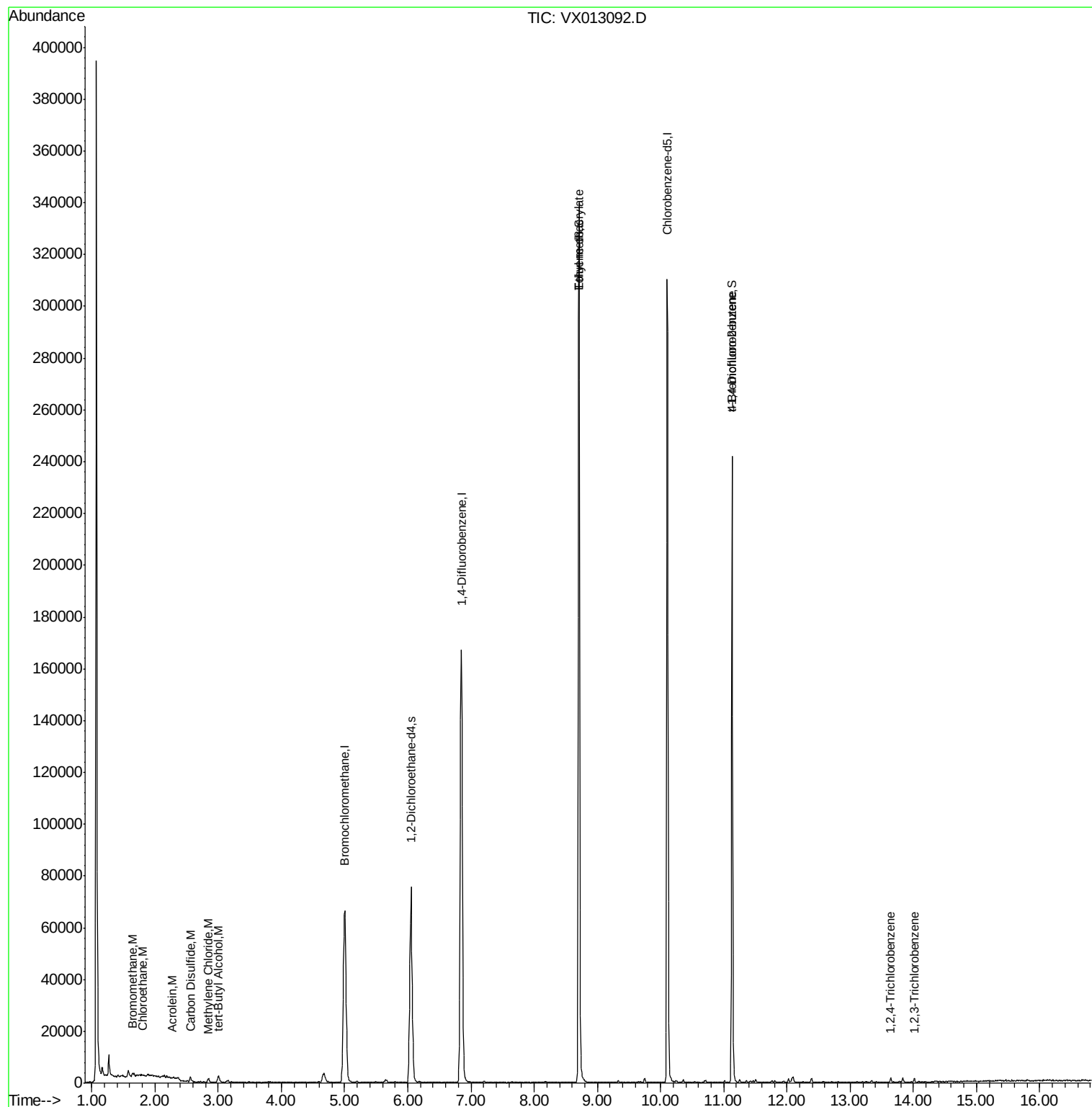
					Ovalue	
5) Bromomethane	1.64	94	580	0.631	ug/l	94
6) Chloroethane	1.80	64	248	0.205	ug/l	96
13) Acrolein	2.28	56	135	0.374	ug/l #	3
16) Carbon Disulfide	2.56	76	2487	0.513	ug/l	99
18) Methylene Chloride	2.84	84	585	0.287	ug/l #	87
23) tert-Butyl Alcohol	3.00	59	1641	3.105	ug/l #	92
51) Ethyl methacrylate	8.70	69	718	0.228	ug/l	76
77) t-1,4-Dichloro-2-butene	11.13	75	34378	37.081	ug/l #	7
89) 1,2,4-Trichlorobenzene	13.64	180	472	0.200	ug/l #	77
92) 1,2,3-Trichlorobenzene	14.02	180	519	0.220	ug/l	76

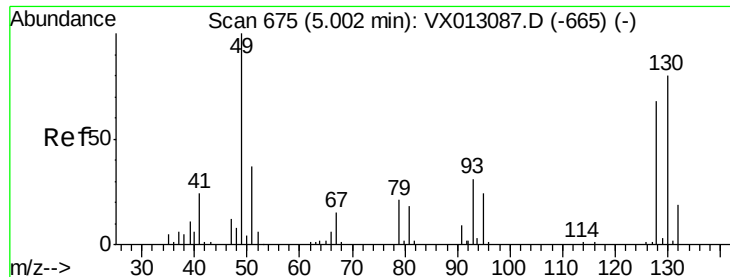
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Oct 17 03:09:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X101619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 17 03:05:35 2019
Response via : Initial Calibration

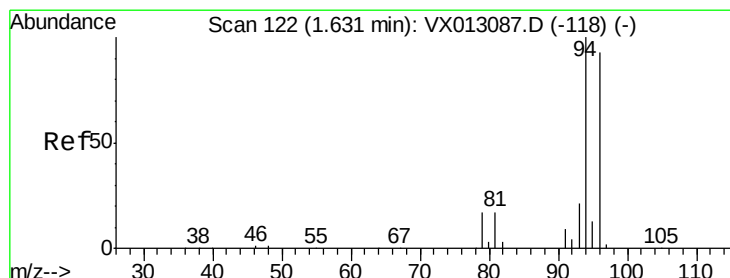
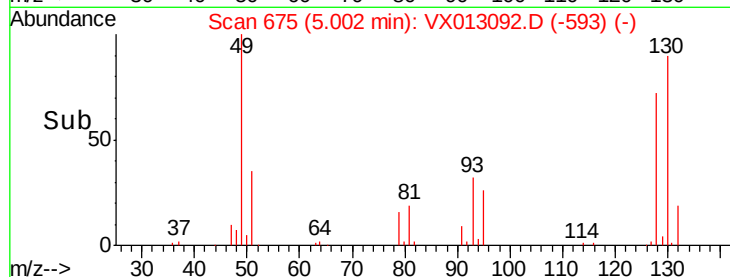
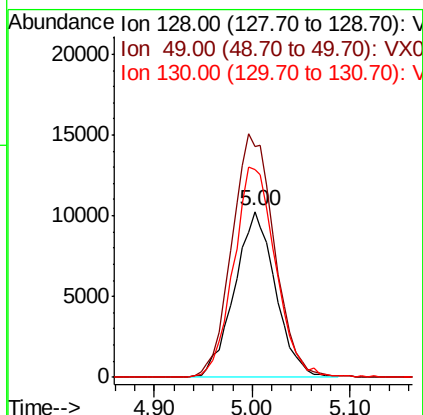
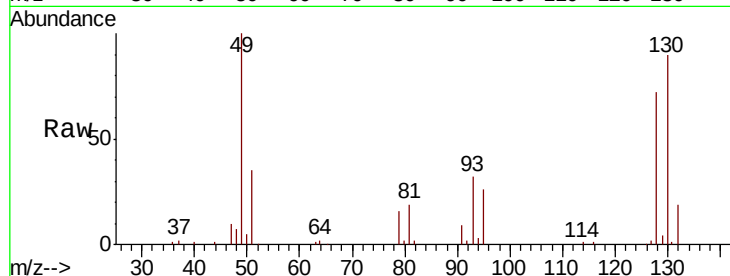




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013092.D
Acq: 16 Oct 2019 13:23

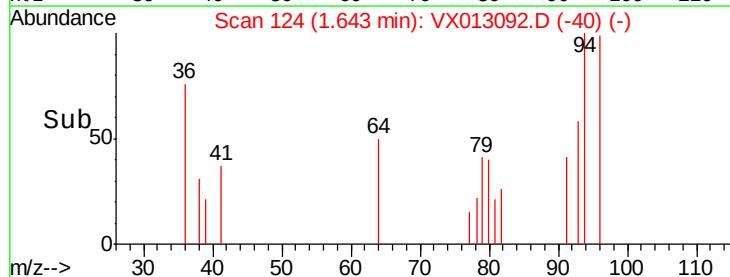
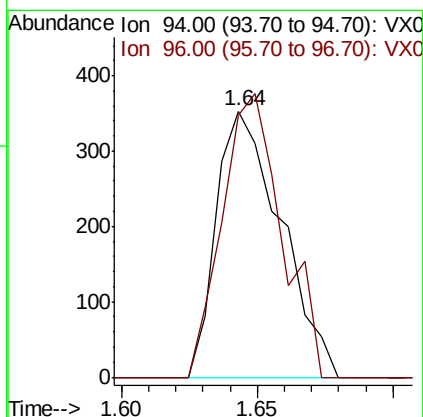
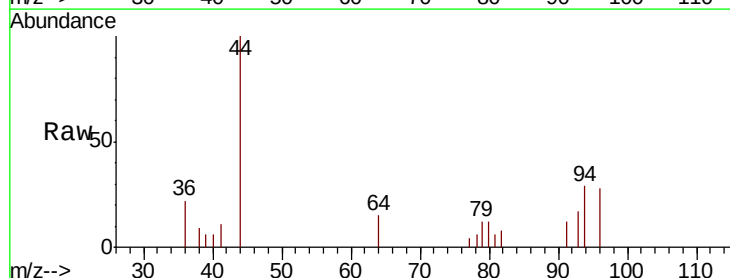
Instrument :
MSVOA_X
ClientSampleId :

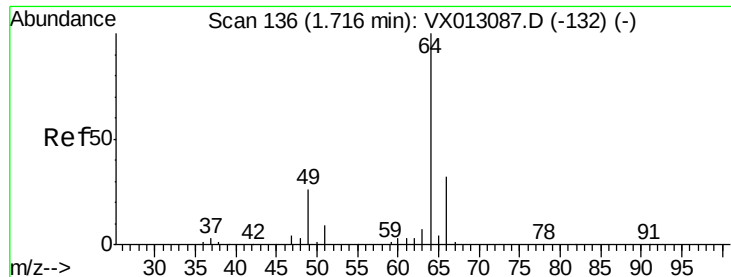
Tot Ion:128 Resp: 29793
Ion Ratio Lower Upper
128 100
49 152.7 0.0 382.3
130 129.6 0.0 321.8



#5
Bromomethane
Concen: 0.631 ug/l
RT: 1.64 min Scan# 124
Delta R.T. 0.01 min
Lab File: VX013092.D
Acq: 16 Oct 2019 13:23

Tgt Ion: 94 Resp: 580
Ion Ratio Lower Upper
94 100
96 98.6 74.2 111.4





#6

Chloroethane

Concen: 0.205 ug/l

RT: 1.80 min Scan# 149

Delta R.T. 0.08 min

Lab File: VX013092.D

Acq: 16 Oct 2019 13:23

Instrument :

MSVOA_X

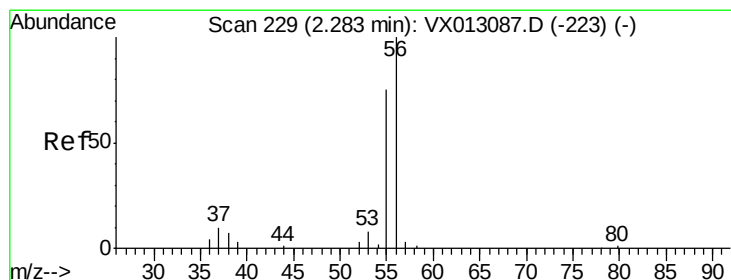
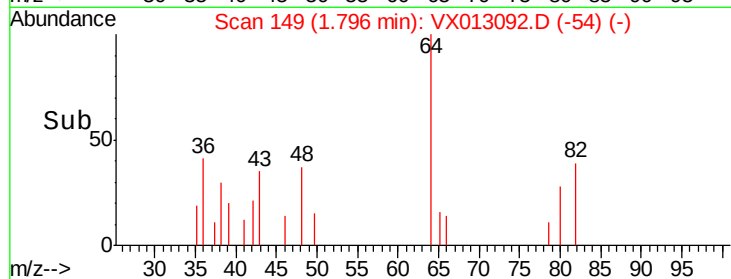
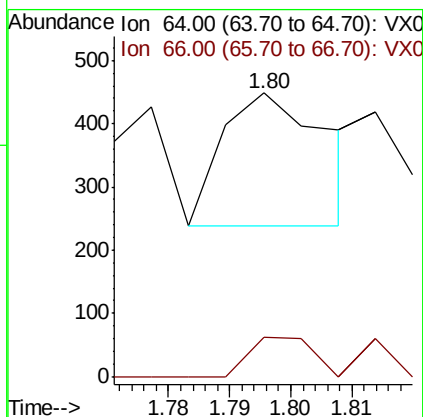
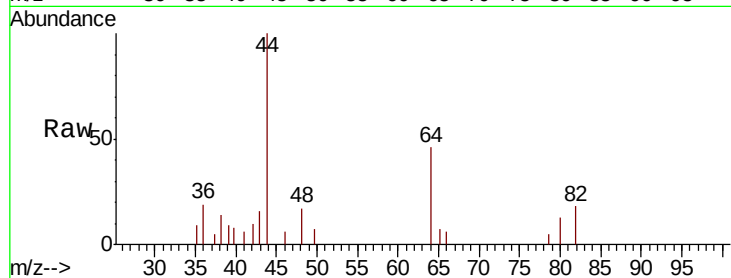
ClientSampled :

Tot Ion: 64 Resp: 248

Ion Ratio Lower Upper

64 100

66 29.7 25.6 38.4



#13

Acrolein

Concen: 0.374 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013092.D

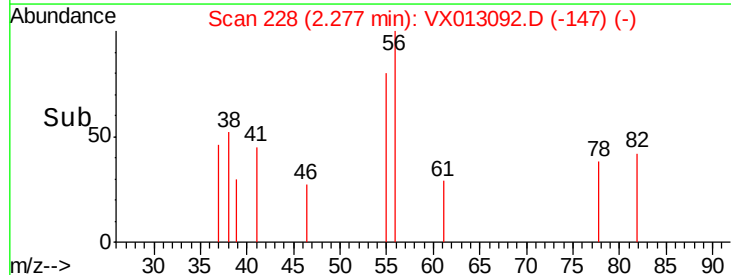
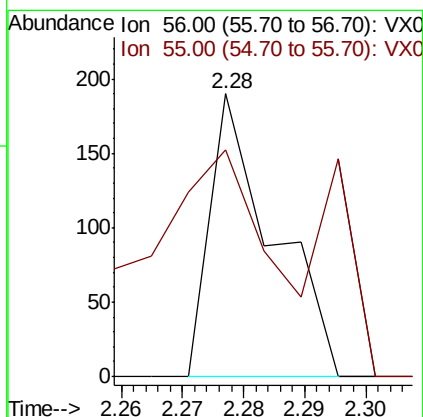
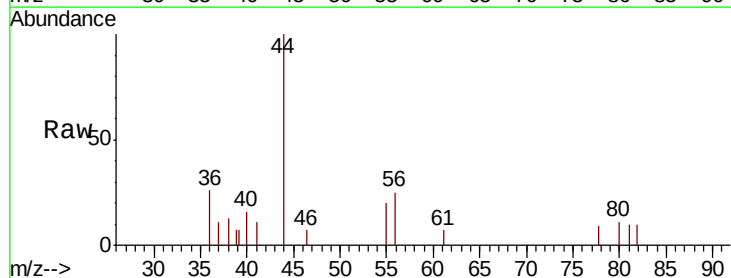
Acq: 16 Oct 2019 13:23

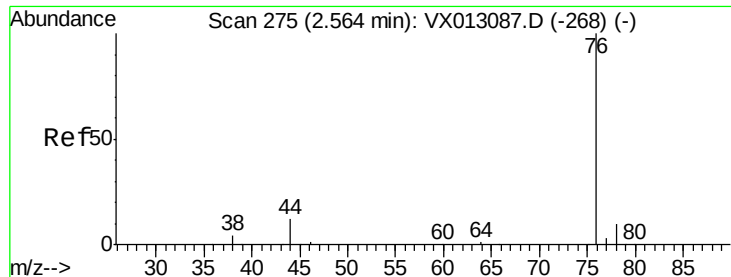
Tgt Ion: 56 Resp: 135

Ion Ratio Lower Upper

56 100

55 153.3 57.8 86.8#

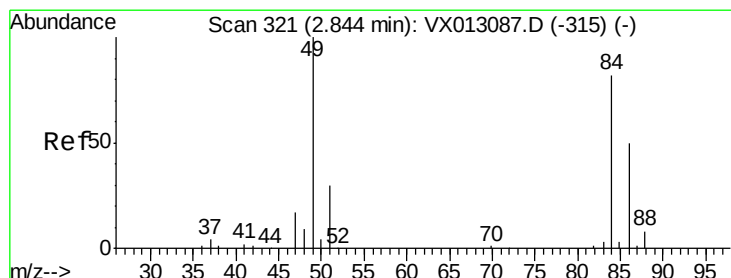
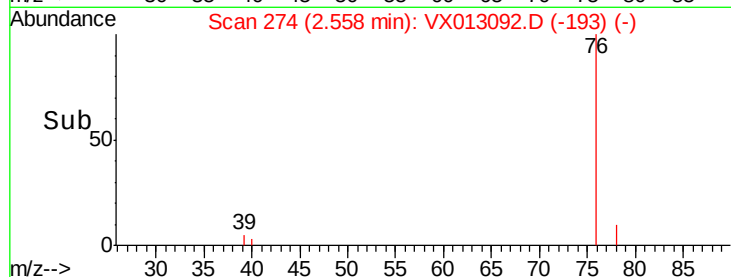
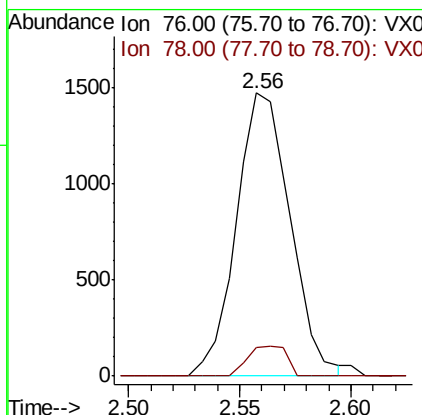
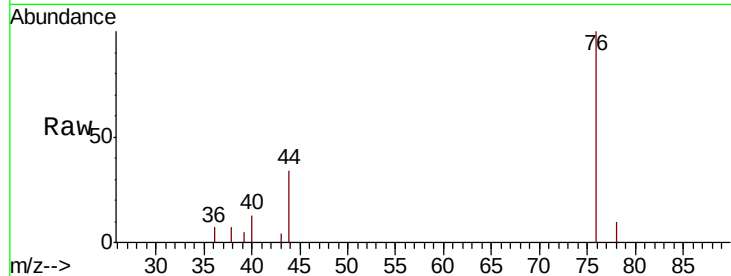




#16
Carbon Disulfide
Concen: 0.513 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013092.D
Acq: 16 Oct 2019 13:23

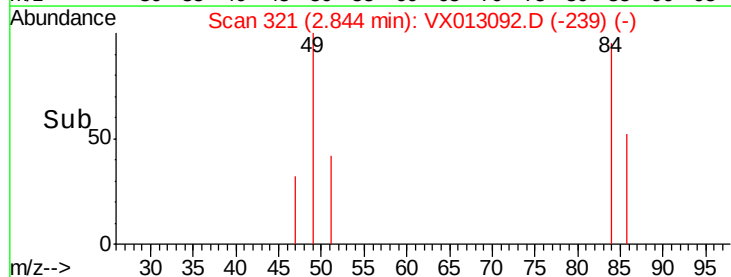
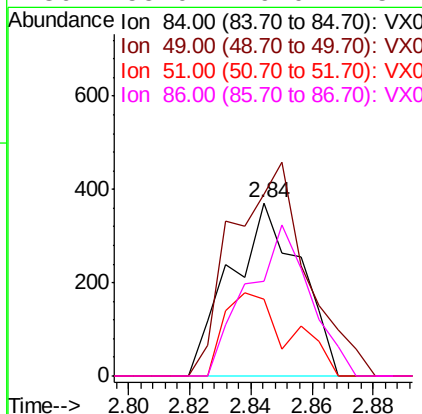
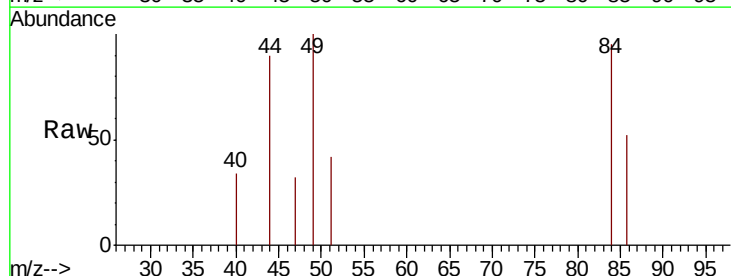
Instrument :
MSVOA_X
ClientSampleId :

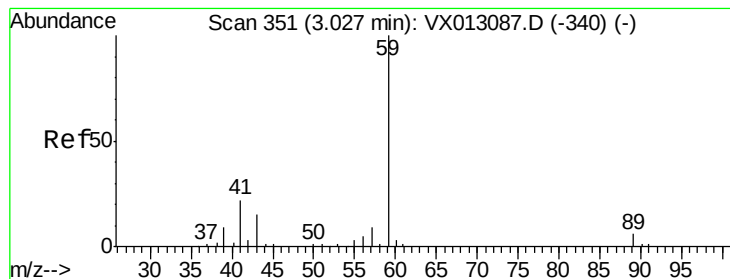
Tot Ion: 76 Resp: 2487
Ion Ratio Lower Upper
76 100
78 10.0 7.8 11.6



#18
Methylene Chloride
Concen: 0.287 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013092.D
Acq: 16 Oct 2019 13:23

Tgt Ion: 84 Resp: 585
Ion Ratio Lower Upper
84 100
49 104.9 97.8 146.6
51 44.2 29.2 43.8#
86 55.0 49.0 73.4



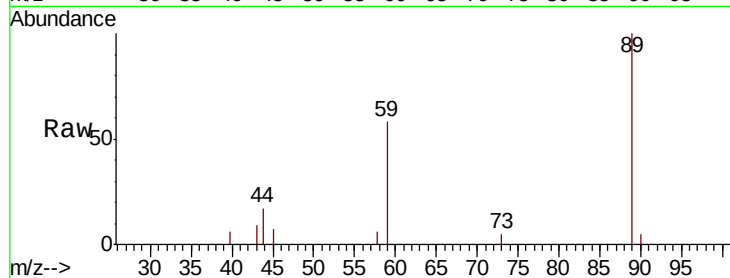


#23

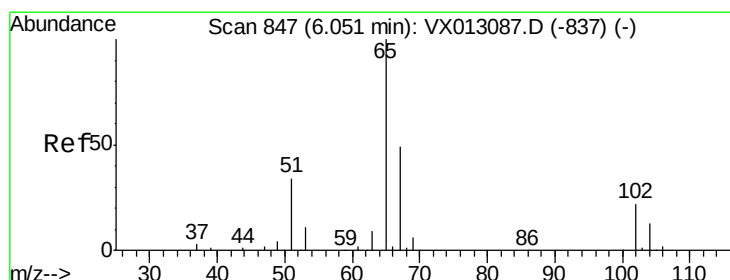
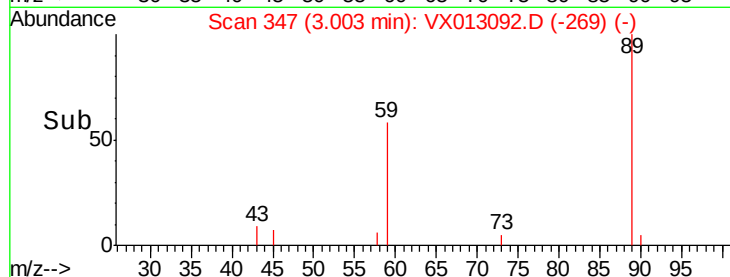
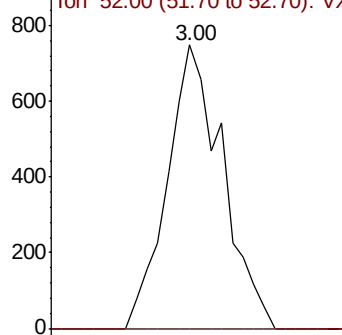
tert-Butyl Alcohol
 Concen: 3.105 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.02 min
 Lab File: VX013092.D
 Acq: 16 Oct 2019 13:23

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 59 Resp: 1641
 Ion Ratio Lower Upper
 59 100
 52 18.6 0.1 0.1#



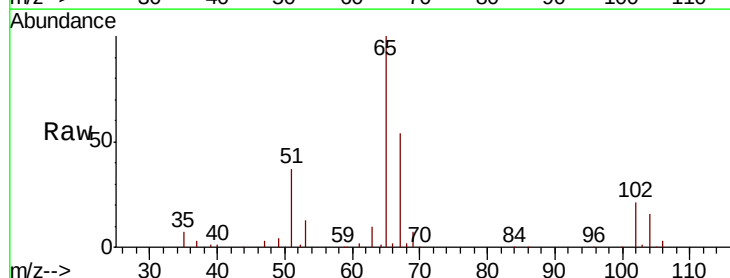
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 52.00 (51.70 to 52.70): VX0



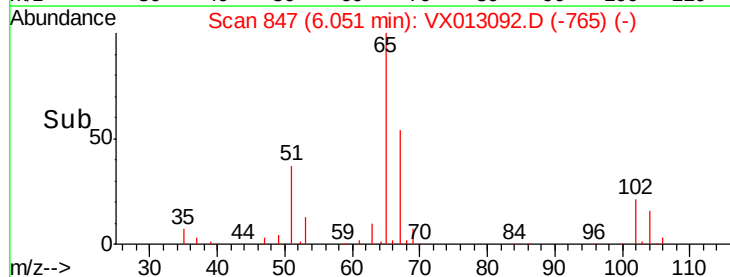
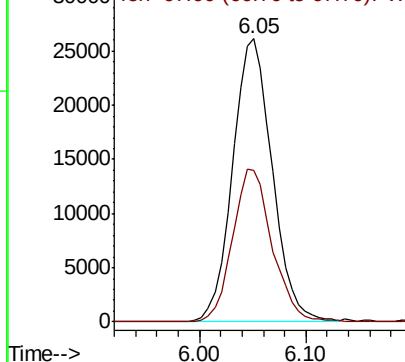
#27

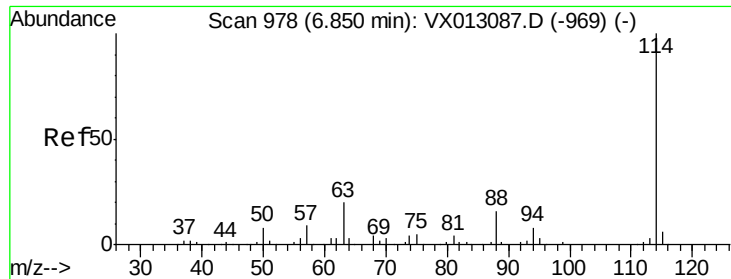
1,2-Dichloroethane-d4
 Concen: 29.844 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013092.D
 Acq: 16 Oct 2019 13:23

Tgt Ion: 65 Resp: 68181
 Ion Ratio Lower Upper
 65 100
 67 53.9 41.2 61.8



Abundance Ion 65.00 (64.70 to 65.70): VX0
 Ion 67.00 (66.70 to 67.70): VX0

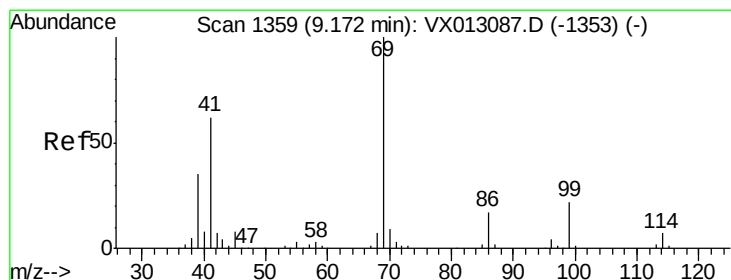
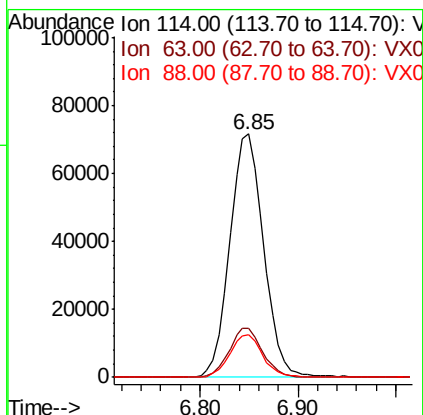
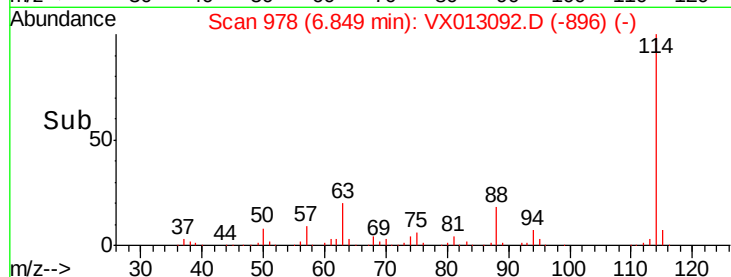
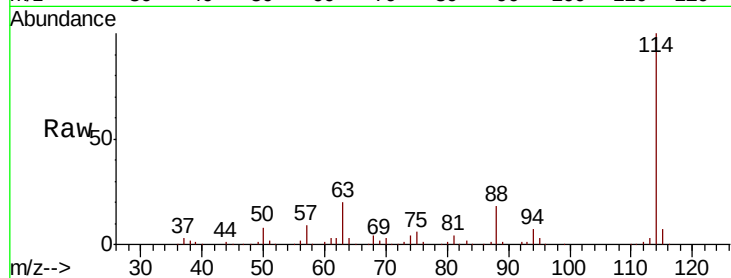




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013092.D
Acq: 16 Oct 2019 13:23

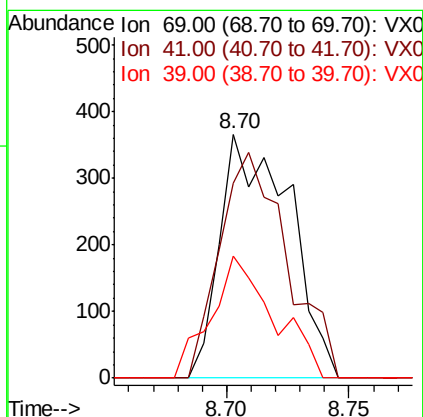
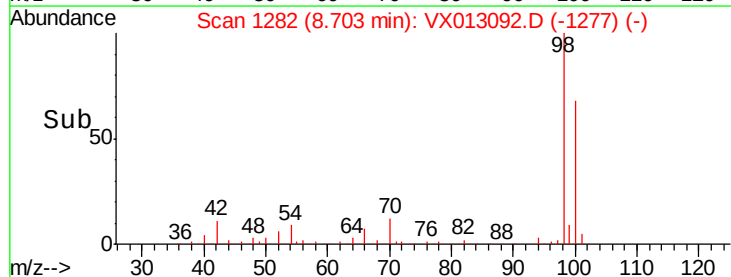
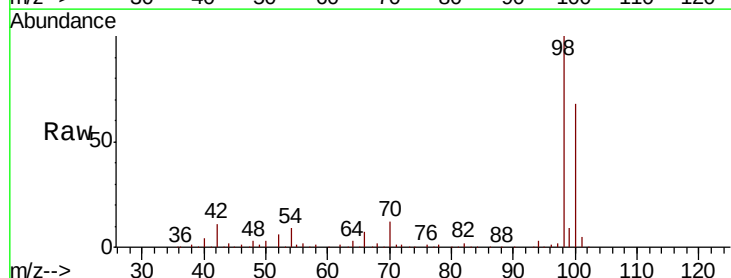
Instrument :
MSVOA_X
ClientSampleId :

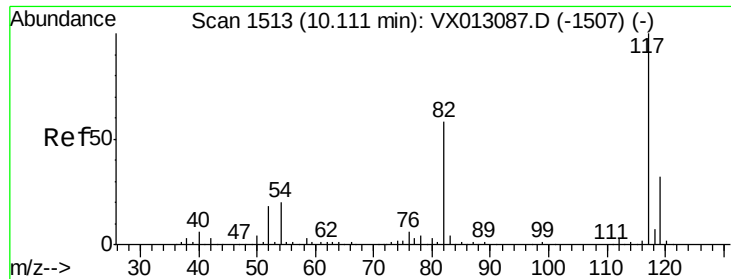
Tot Ion:114 Resp: 171818
Ion Ratio Lower Upper
114 100
63 19.9 16.5 24.7
88 17.1 13.6 20.4



#51
Ethyl methacrylate
Concen: 0.228 ug/l
RT: 8.70 min Scan# 1282
Delta R.T. -0.47 min
Lab File: VX013092.D
Acq: 16 Oct 2019 13:23

Tgt Ion: 69 Resp: 718
Ion Ratio Lower Upper
69 100
41 79.8 31.1 93.3
39 50.3 17.6 52.9

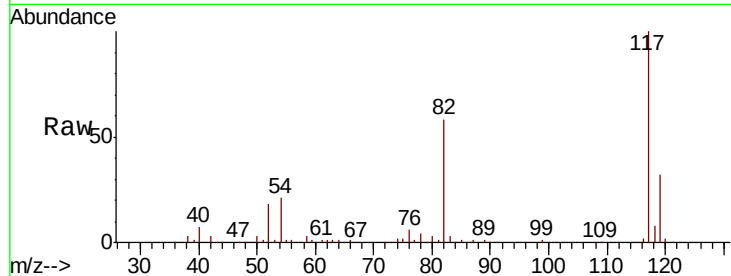




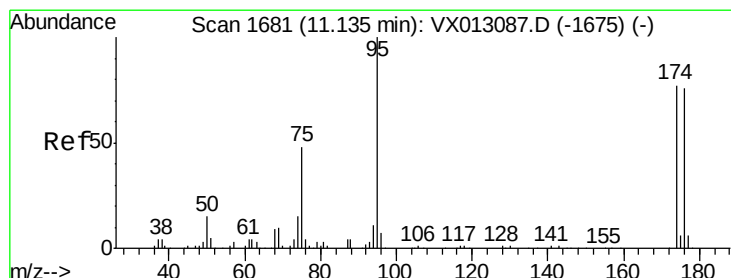
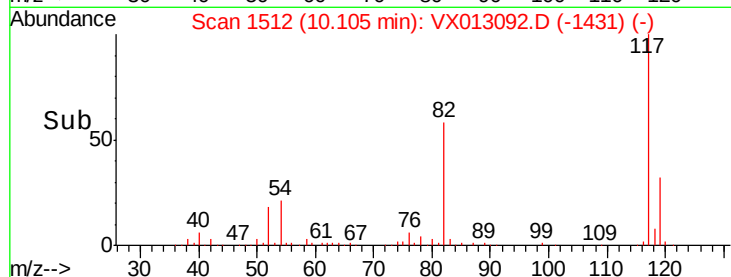
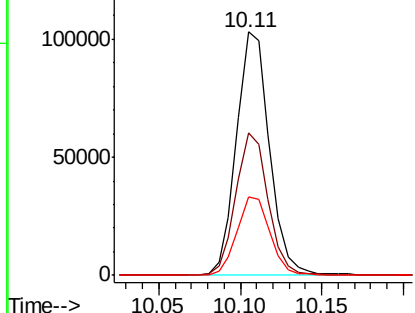
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013092.D
Acq: 16 Oct 2019 13:23

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 145866
Ion Ratio Lower Upper
117 100
82 57.6 46.7 70.1
119 32.2 25.8 38.6

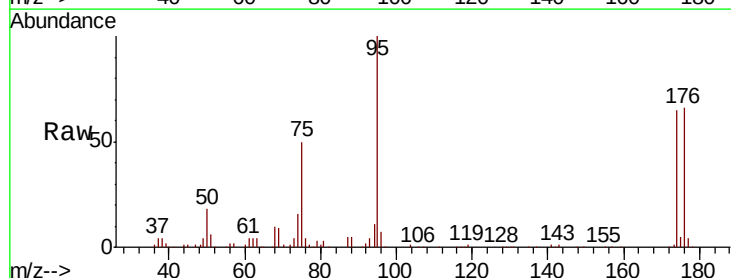


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

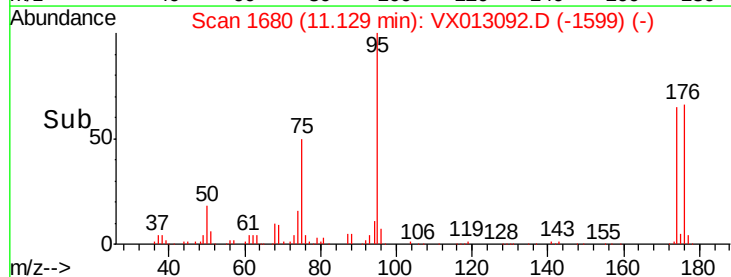
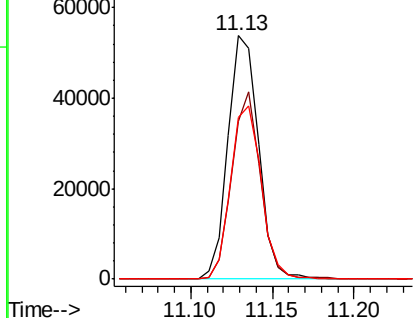


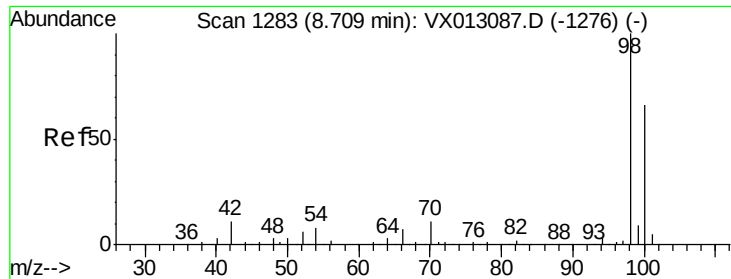
#60
4-Bromofluorobenzene
Concen: 27.619 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013092.D
Acq: 16 Oct 2019 13:23

Tgt Ion: 95 Resp: 70517
Ion Ratio Lower Upper
95 100
174 72.0 58.8 88.2
176 71.4 56.6 84.8



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

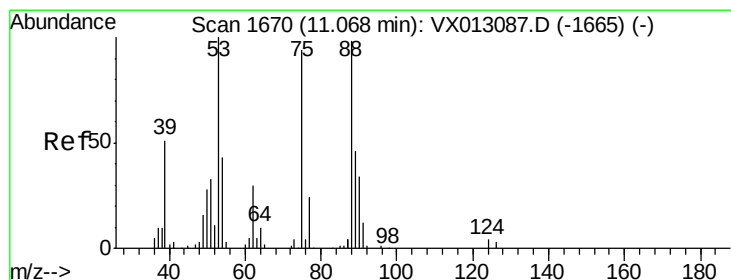
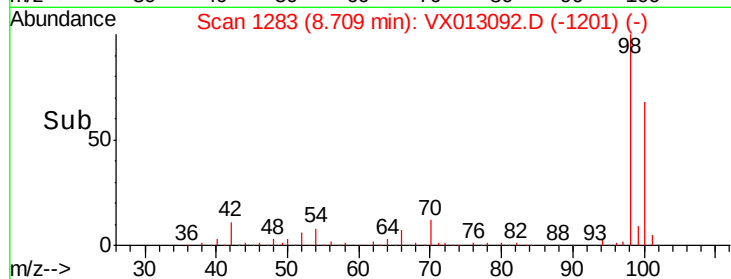
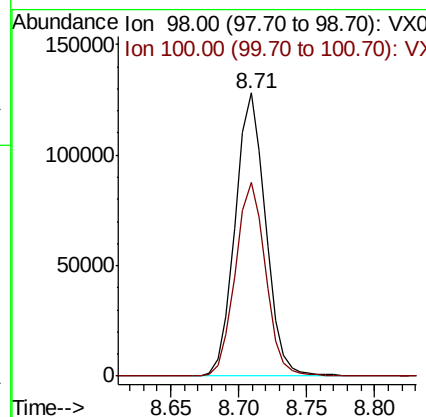
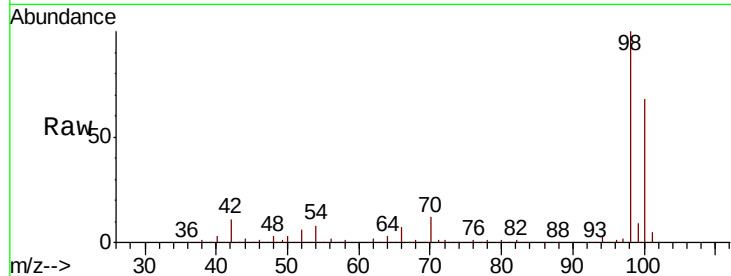




#63
Toluene-d8
Concen: 30.052 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013092.D
Acq: 16 Oct 2019 13:23

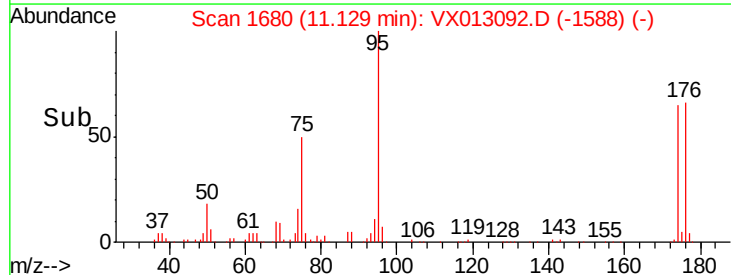
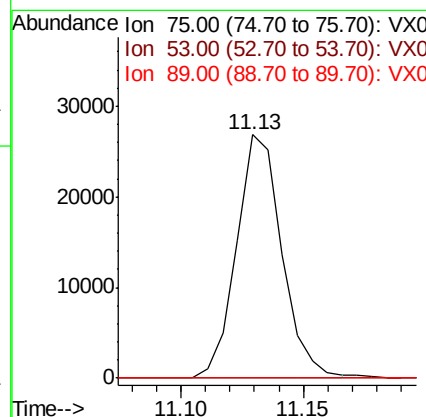
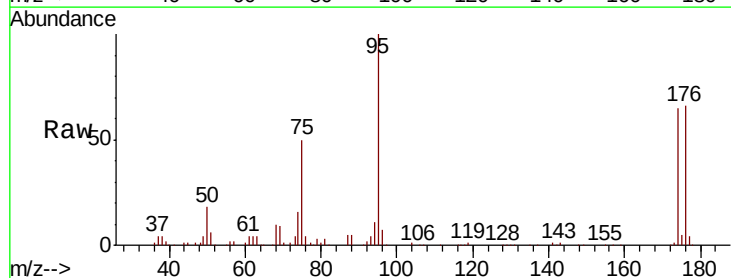
Instrument :
MSVOA_X
ClientSampled :

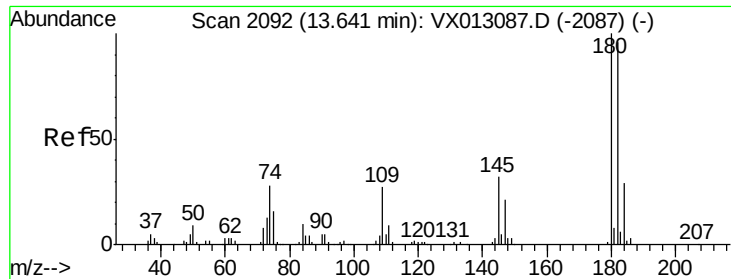
Tot Ion: 98 Resp: 199989
Ion Ratio Lower Upper
98 100
100 67.9 53.8 80.6



#77
t-1,4-Dichloro-2-butene
Concen: 37.081 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013092.D
Acq: 16 Oct 2019 13:23

Tgt Ion: 75 Resp: 34378
Ion Ratio Lower Upper
75 100
53 0.0 53.1 159.4#
89 0.0 24.6 73.8#

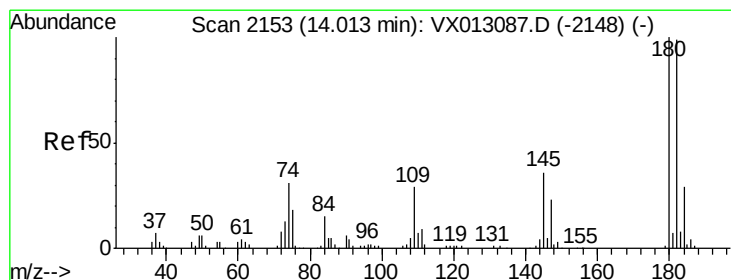
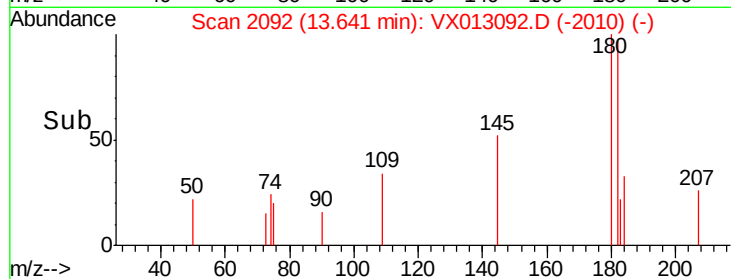
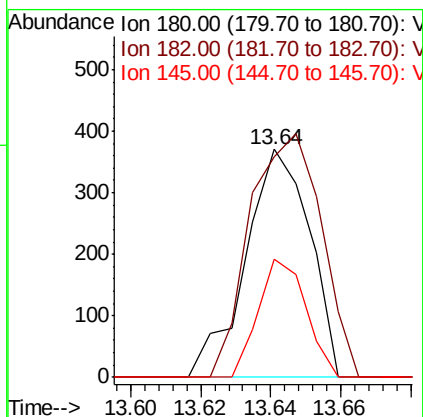
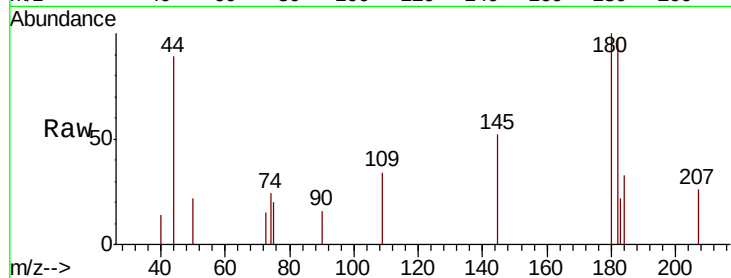




#89
 1,2,4-Trichlorobenzene
 Concen: 0.200 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013092.D
 Acq: 16 Oct 2019 13:23

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180 Resp: 472
 Ion Ratio Lower Upper
 180 100
 182 119.5 74.8 112.2#
 145 38.3 26.2 39.2



#92
 1,2,3-Trichlorobenzene
 Concen: 0.220 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX013092.D
 Acq: 16 Oct 2019 13:23

Tgt Ion:180 Resp: 519
 Ion Ratio Lower Upper
 180 100
 182 68.4 0.0 195.2
 145 29.3 0.0 69.8

