

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071020\
 Data File : VX017326.D
 Acq On : 10 Jul 2020 11:29
 Operator : JC/SP
 Sample : VX0710WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 11 00:38:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 09 12:25:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	56375	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	284523	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	265179	30.00	ug/l	0.00

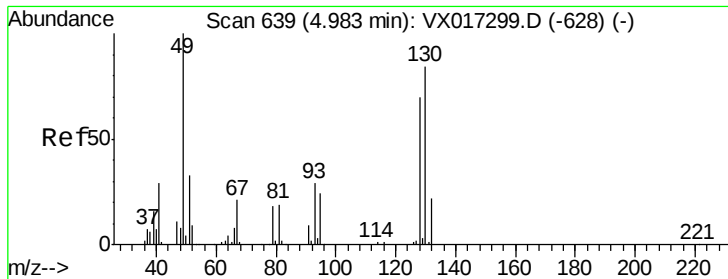
System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	122233	30.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.57%
60) 4-Bromofluorobenzene	11.12	95	118732	26.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.50%
63) Toluene-d8	8.70	98	327912	29.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.43%

Target Compounds

					Ovalue	
5) Bromomethane	1.64	94	980	0.544	ug/l #	72
11) Methyl Iodide	2.49	142	1522	0.499	ug/l	89
13) Acrolein	2.59	56	112	0.240	ug/l	91
14) Acrylonitrile	3.12	53	498	0.306	ug/l #	65
15) Acetone	2.42	58	255	0.621	ug/l #	9
16) Carbon Disulfide	2.55	76	2041	0.290	ug/l #	67
18) Methylene Chloride	2.84	84	908	0.285	ug/l #	87
51) Ethyl methacrylate	8.70	69	1289	0.272	ug/l	90
55) 2-Chloroethyl vinyl ether	8.29	63	1344	19.229	ug/l #	90
90) Hexachlorobutadiene	13.77	225	567	0.303	ug/l	81

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

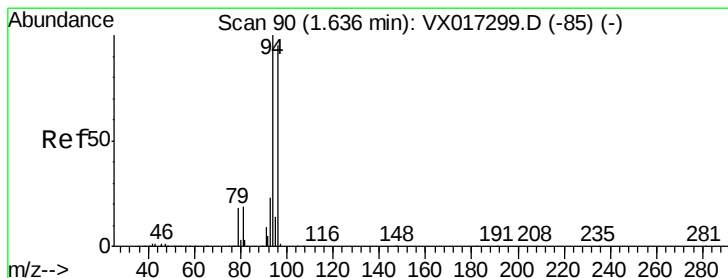
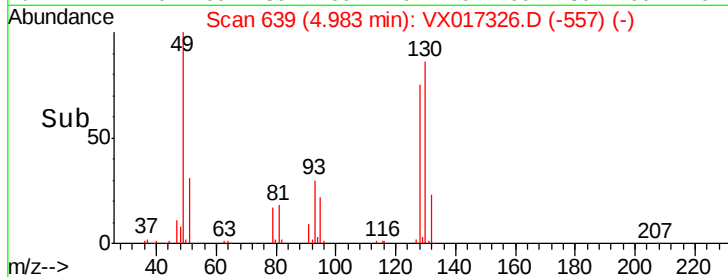
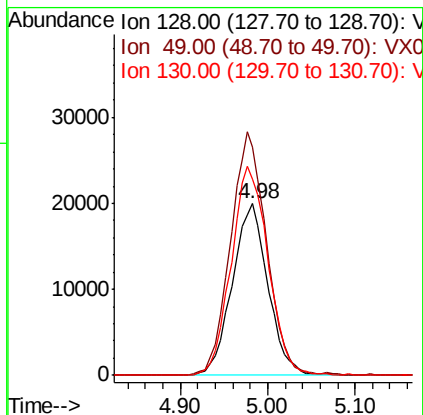
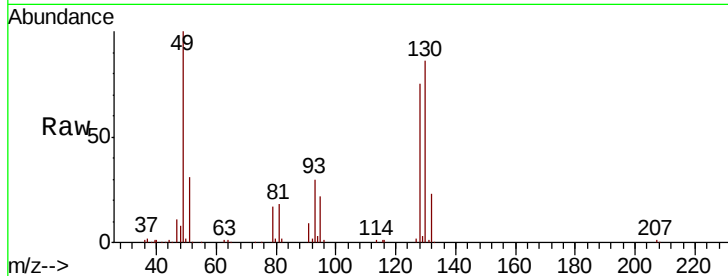


#1

Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.98 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: VX017326.D
 Acq: 10 Jul 2020 11:29

Instrument :
 MSVOA_X
 ClientSampleId :

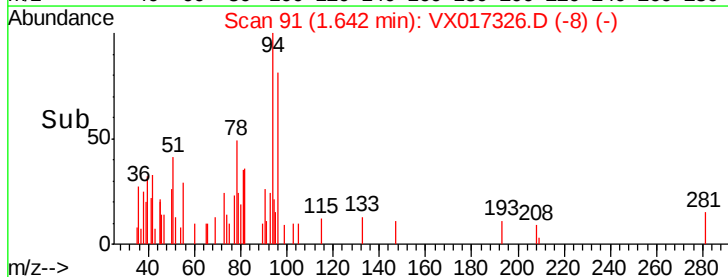
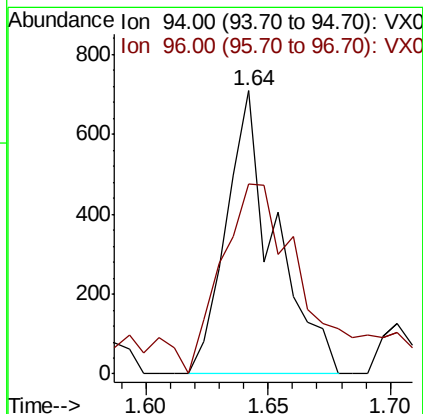
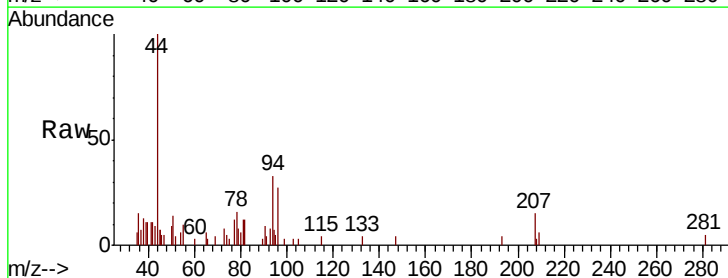
Tot Ion	Ratio	Lower	Upper
128	100		
49	143.6	0.0	358.8
130	126.7	0.0	323.8

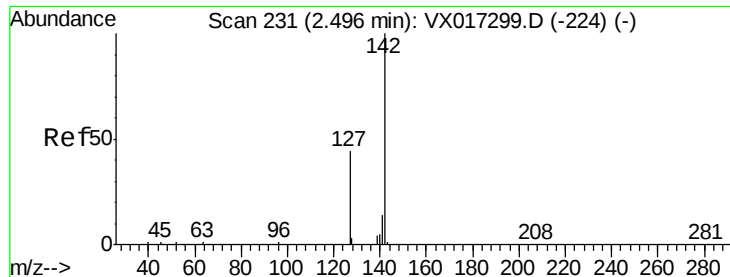


#5

Bromomethane
 Concen: 0.544 ug/l
 RT: 1.64 min Scan# 91
 Delta R.T. 0.01 min
 Lab File: VX017326.D
 Acq: 10 Jul 2020 11:29

Tgt Ion	Ratio	Lower	Upper
94	100		
96	67.1	75.7	113.5#

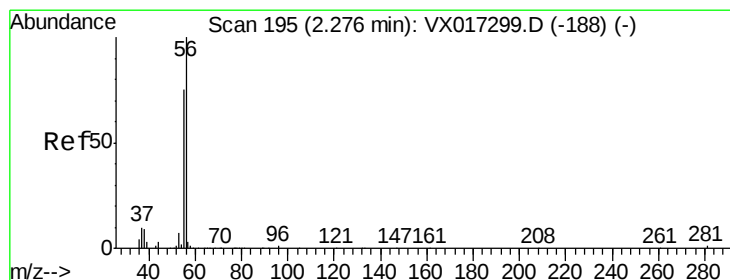
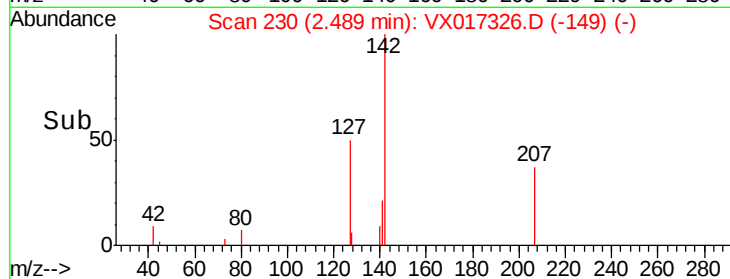
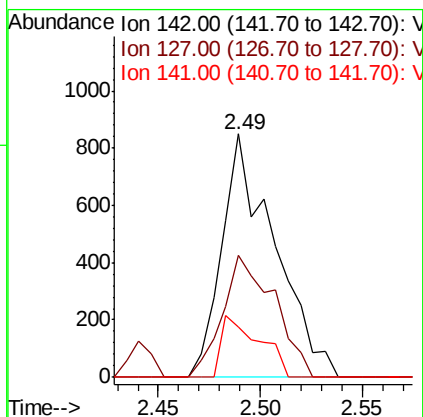
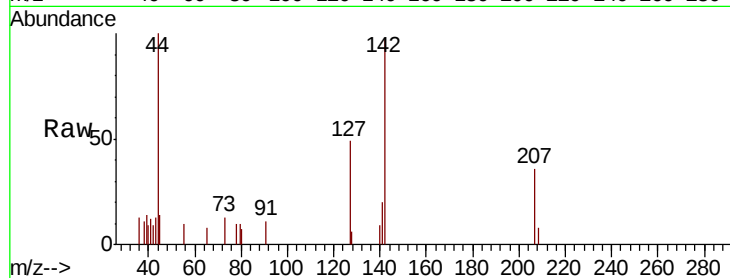




#11
Methvl Iodide
Concen: 0.499 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX017326.D
Acq: 10 Jul 2020 11:29

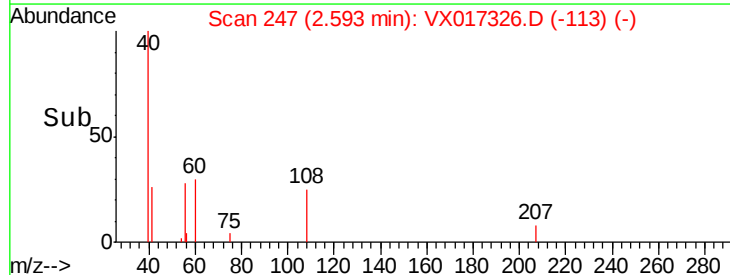
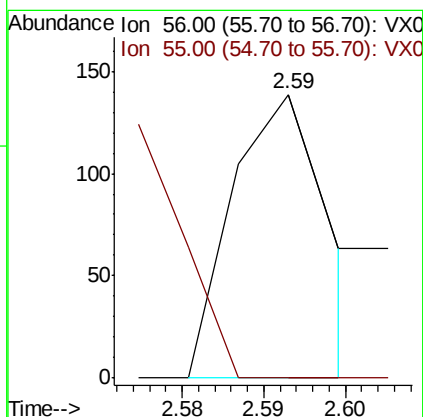
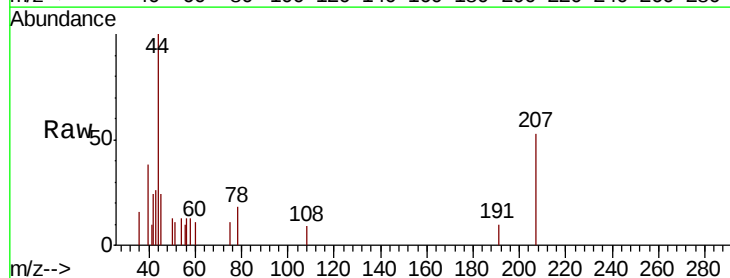
Instrument :
MSVOA_X
ClientSampled :

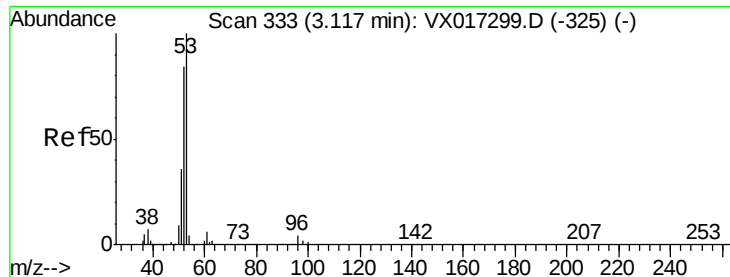
Tot Ion:142 Resp: 1522
Ion Ratio Lower Upper
142 100
127 50.0 21.9 65.7
141 20.8 7.0 21.1



#13
Acrolein
Concen: 0.240 ug/l
RT: 2.59 min Scan# 247
Delta R.T. 0.32 min
Lab File: VX017326.D
Acq: 10 Jul 2020 11:29

Tgt Ion: 56 Resp: 112
Ion Ratio Lower Upper
56 100
55 80.4 58.5 87.7





#14

Acrylonitrile

Concen: 0.306 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017326.D

Acq: 10 Jul 2020 11:29

Instrument :

MSVOA_X

ClientSampled :

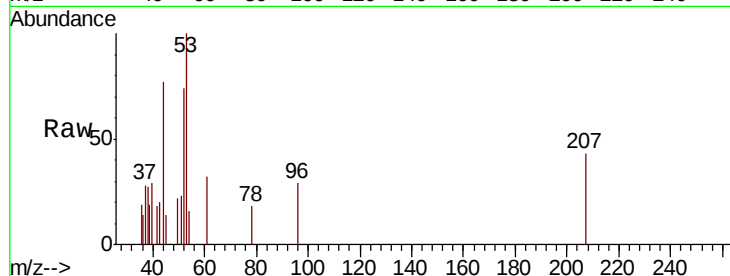
Tot Ion: 53 Resp: 498

Ion Ratio Lower Upper

53 100

52 125.7 41.3 123.9#

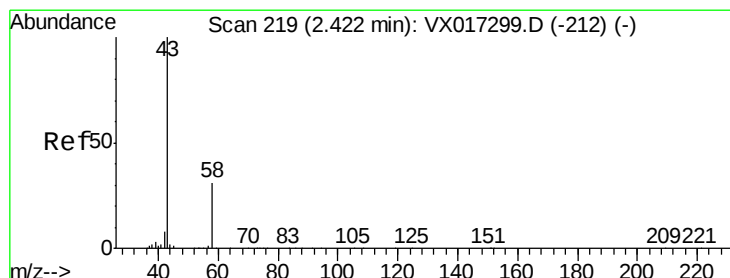
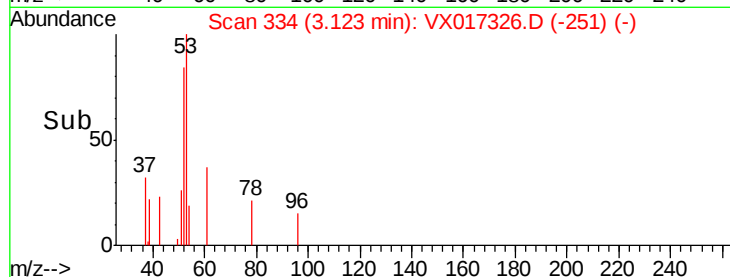
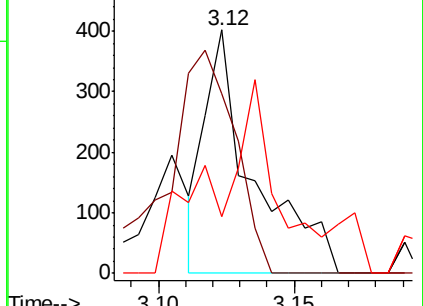
51 38.6 18.1 54.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#15

Acetone

Concen: 0.621 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017326.D

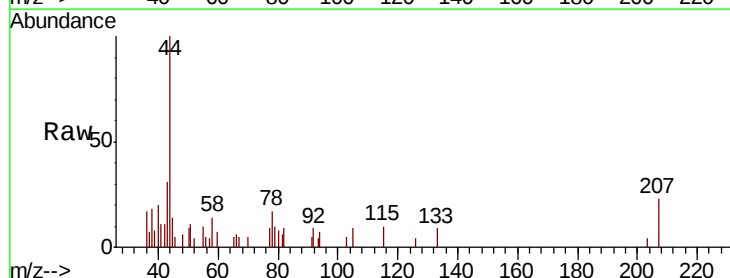
Acq: 10 Jul 2020 11:29

Tgt Ion: 58 Resp: 255

Ion Ratio Lower Upper

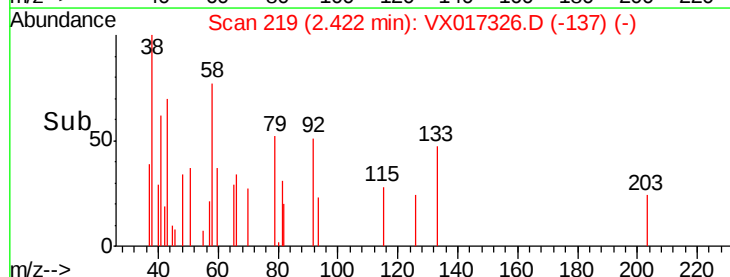
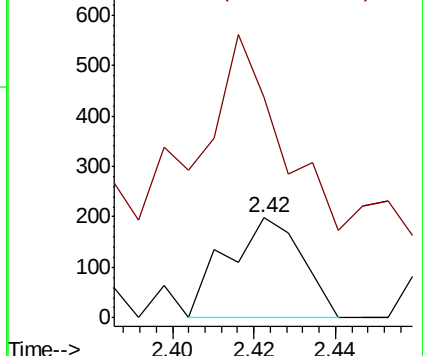
58 100

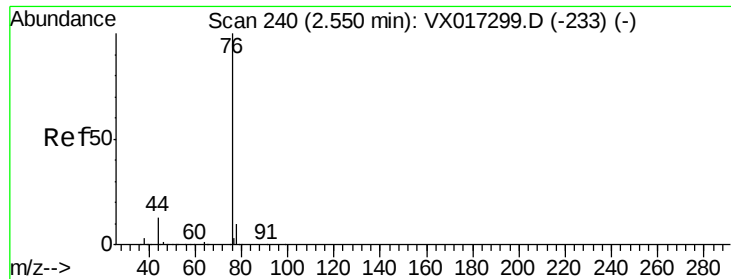
43 132.3 255.0 382.4#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

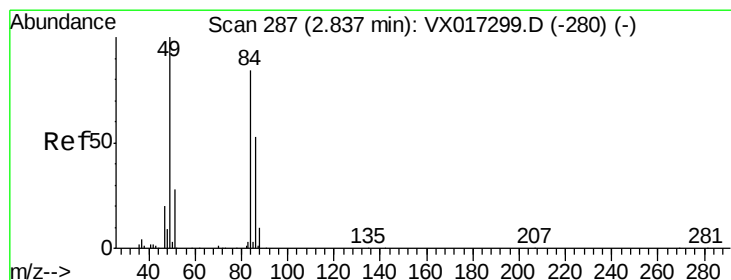
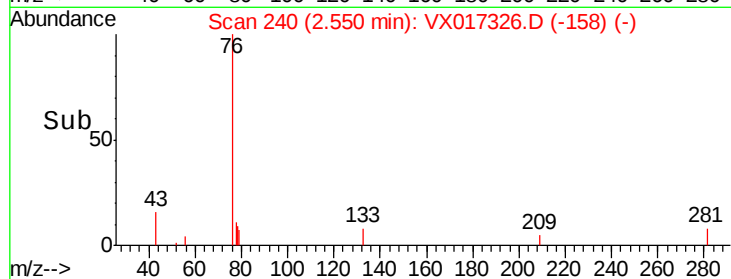
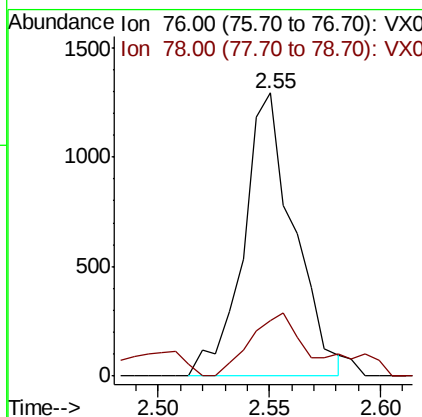
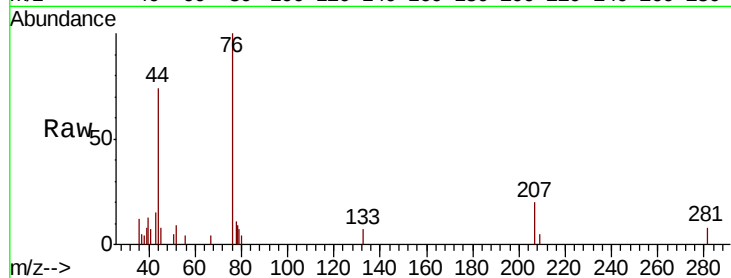




#16
Carbon Disulfide
Concen: 0.290 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX017326.D
Acq: 10 Jul 2020 11:29

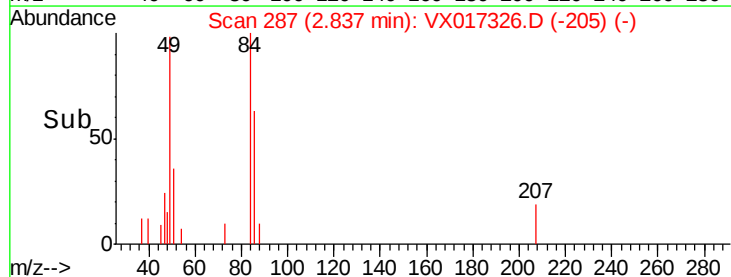
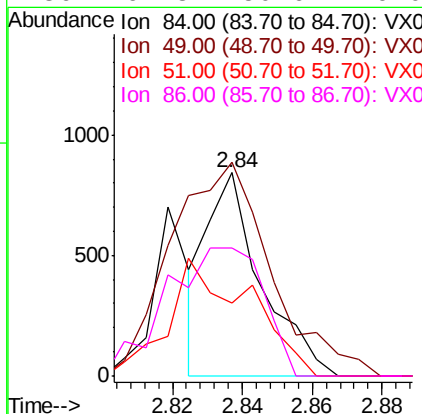
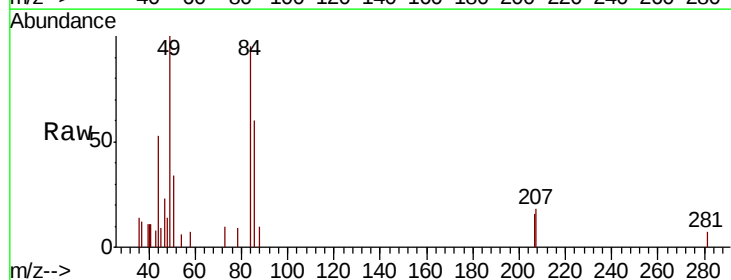
Instrument :
MSVOA_X
ClientSampled :

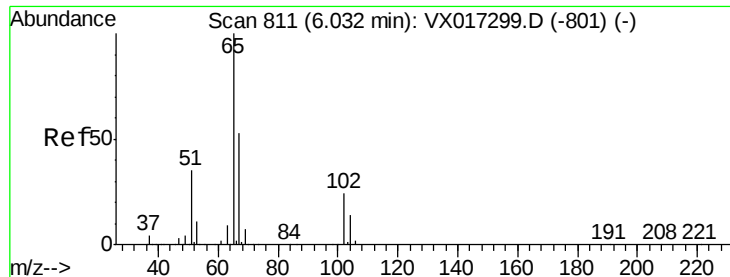
Tot Ion: 76 Resp: 2041
Ion Ratio Lower Upper
76 100
78 22.2 7.9 11.9#



#18
Methylene Chloride
Concen: 0.285 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX017326.D
Acq: 10 Jul 2020 11:29

Tgt Ion: 84 Resp: 908
Ion Ratio Lower Upper
84 100
49 94.7 95.7 143.5#
51 36.2 27.2 40.8
86 62.8 50.6 76.0

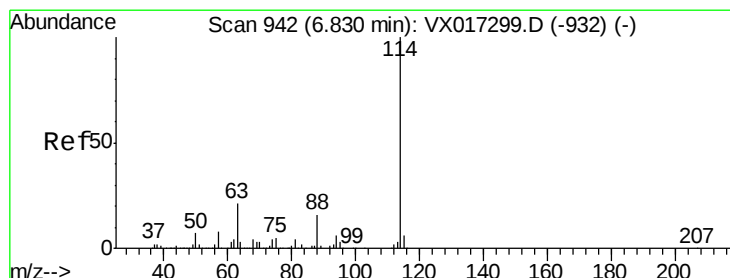
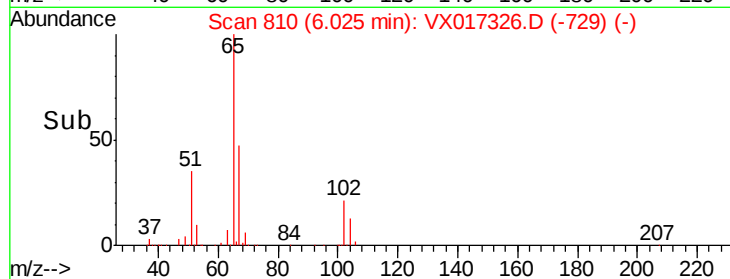
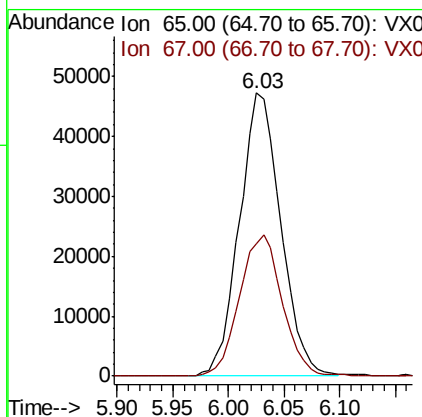
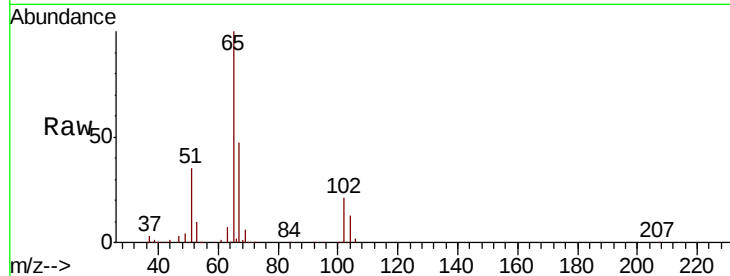




#27
 1,2-Dichloroethane-d4
 Concen: 30.168 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VX017326.D
 Acq: 10 Jul 2020 11:29

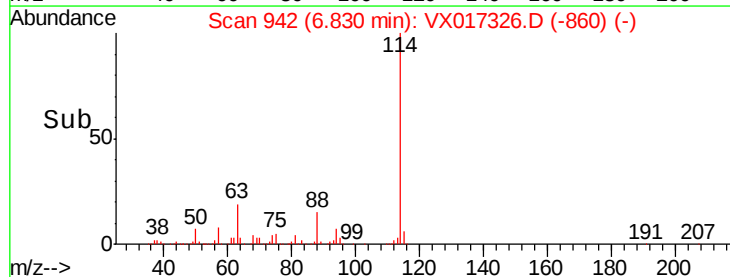
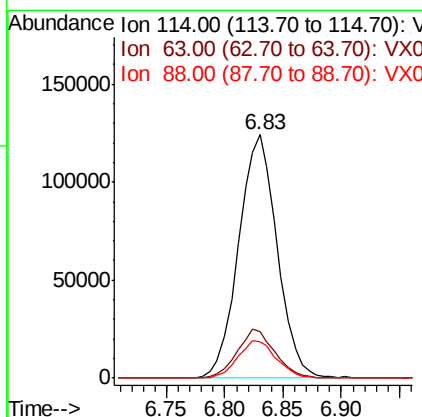
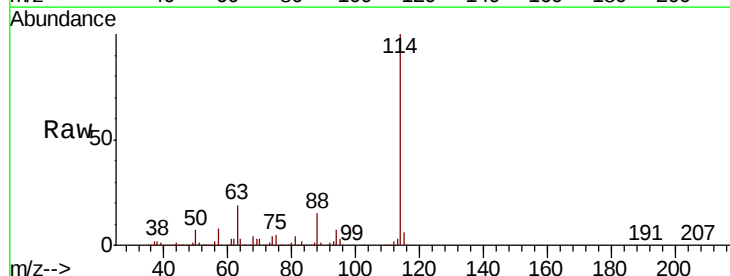
Instrument :
 MSVOA_X
 ClientSampled :

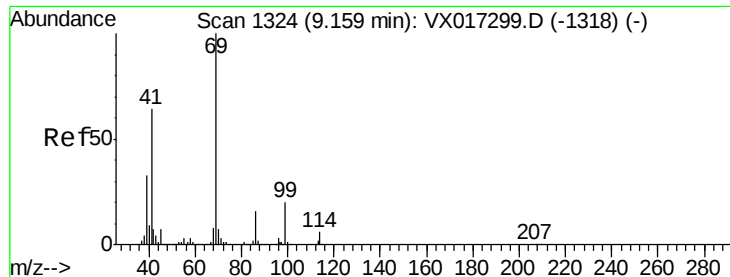
Tot Ion: 65 Resp: 122233
 Ion Ratio Lower Upper
 65 100
 67 51.3 41.0 61.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017326.D
 Acq: 10 Jul 2020 11:29

Tgt Ion: 114 Resp: 284523
 Ion Ratio Lower Upper
 114 100
 63 19.8 15.9 23.9
 88 15.5 12.4 18.6





#51

Ethyl methacrylate

Concen: 0.272 ug/l

RT: 8.70 min Scan# 1248

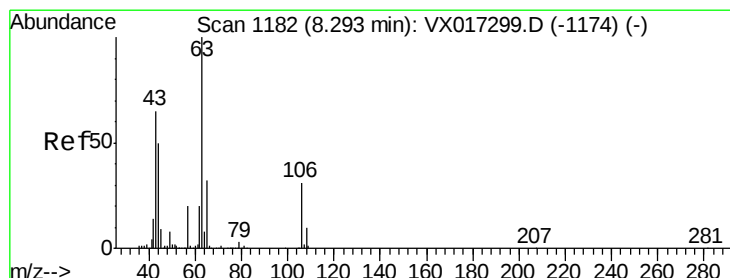
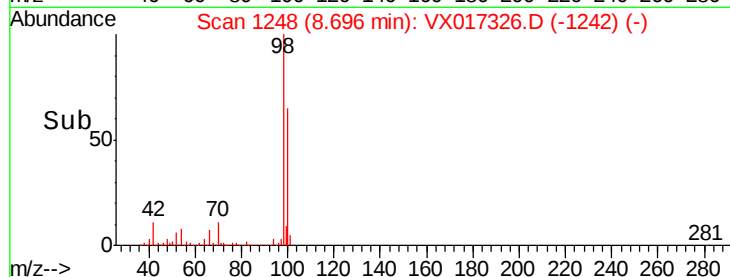
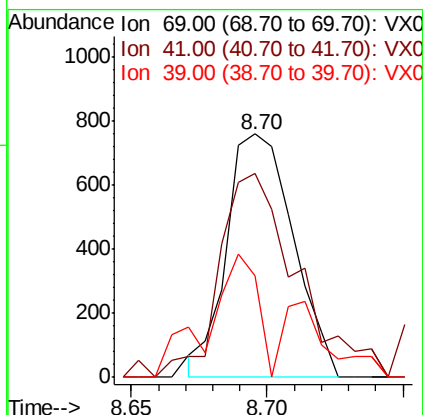
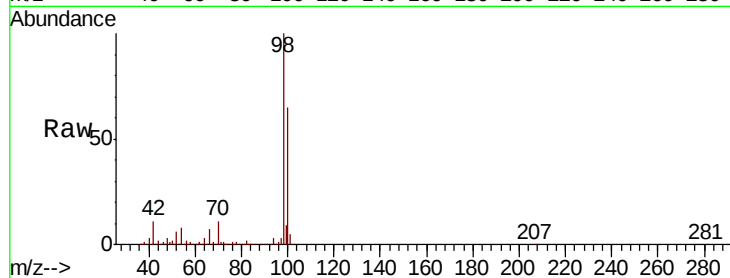
Delta R.T. -0.46 min

Lab File: VX017326.D

Acq: 10 Jul 2020 11:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	69.00	Resp:	1289
Ion	Ratio	Lower	Upper
69	100		
41	75.1	32.1	96.5
39	33.9	16.3	48.9



#55

2-Chloroethyl vinyl ether

Concen: 19.229 ug/l

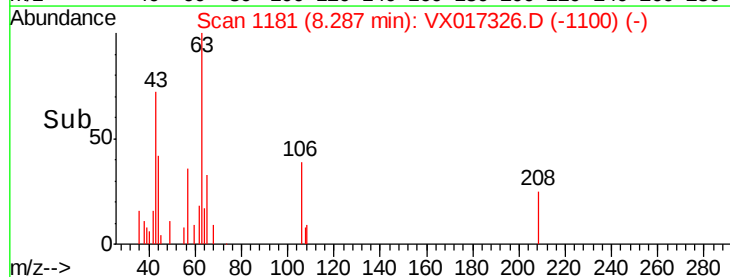
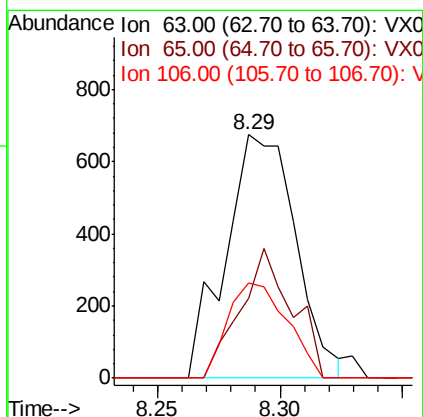
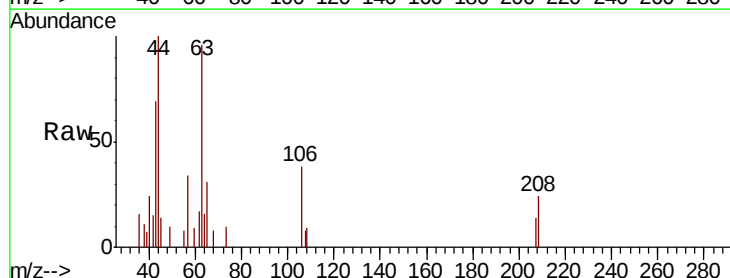
RT: 8.29 min Scan# 1181

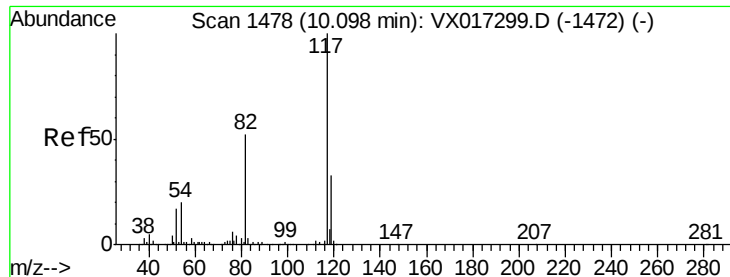
Delta R.T. -0.01 min

Lab File: VX017326.D

Acq: 10 Jul 2020 11:29

Tgt Ion:	63.00	Resp:	1344
Ion	Ratio	Lower	Upper
63	100		
65	39.6	25.4	38.0#
106	33.3	24.5	36.7

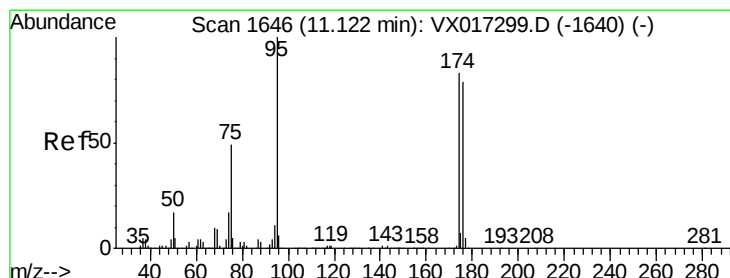
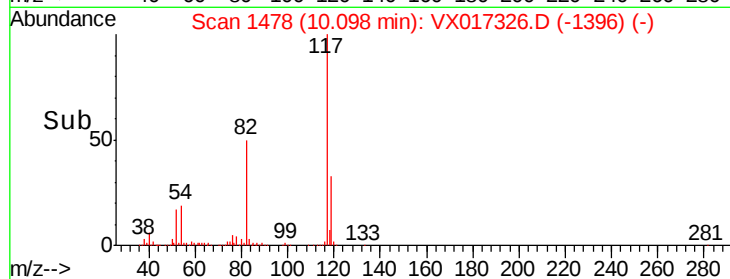
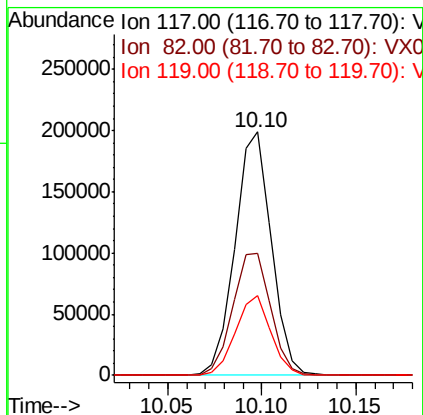
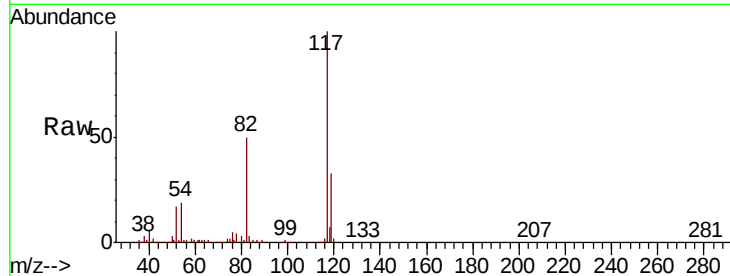




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017326.D
Acq: 10 Jul 2020 11:29

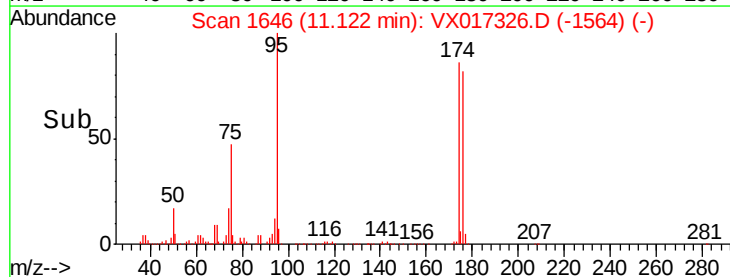
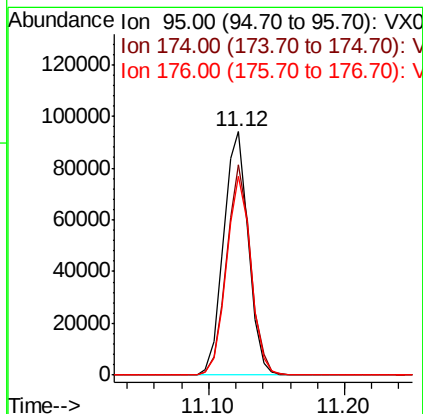
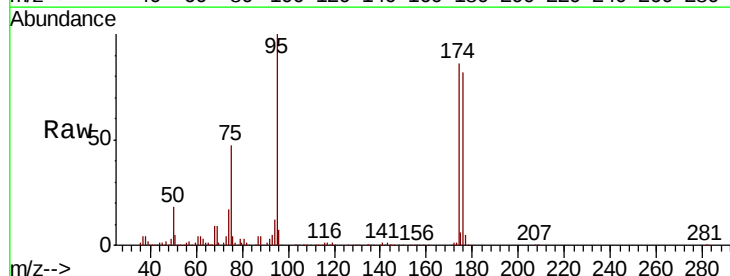
Instrument :
MSVOA_X
ClientSampleId :

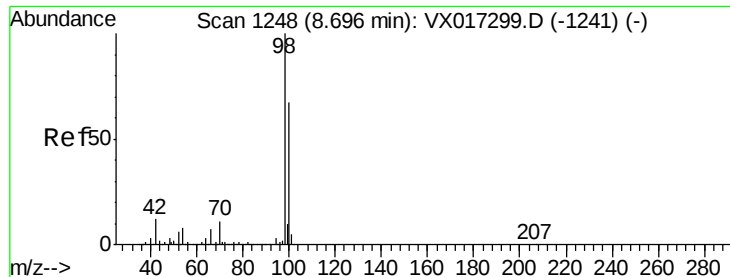
Tot Ion:117 Resp: 265179
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.4
119 31.9 26.4 39.6



#60
4-Bromofluorobenzene
Concen: 26.245 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017326.D
Acq: 10 Jul 2020 11:29

Tgt Ion: 95 Resp: 118732
Ion Ratio Lower Upper
95 100
174 83.8 66.9 100.3
176 80.7 65.5 98.3





#63

Toluene-d8

Concen: 29.234 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017326.D

Acq: 10 Jul 2020 11:29

Instrument :

MSVOA_X

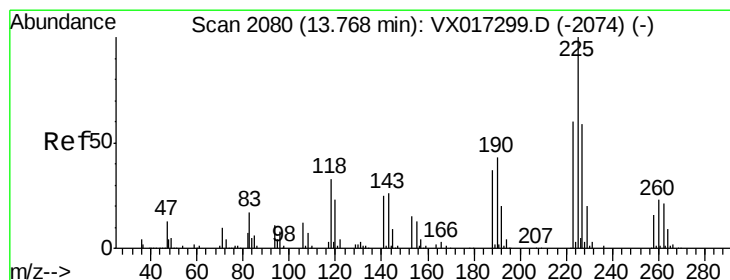
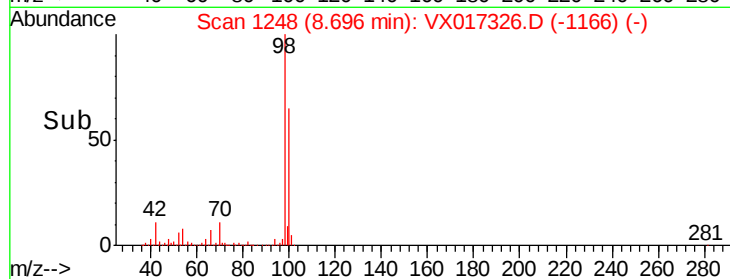
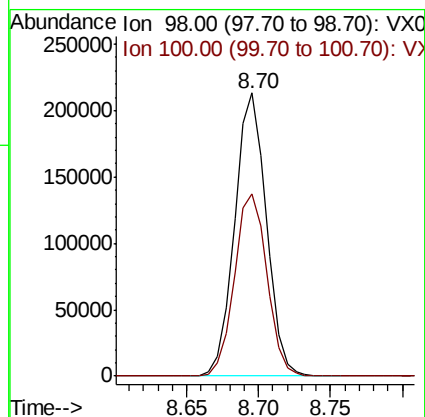
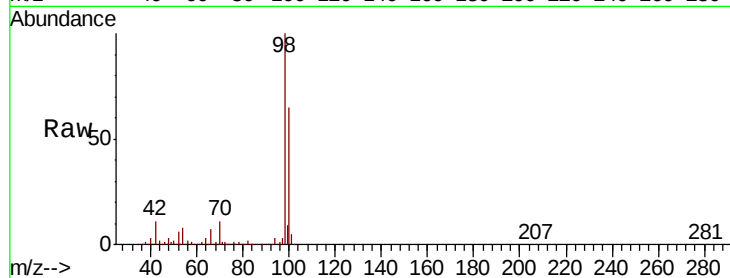
ClientSampleId :

Tot Ion: 98 Resp: 327912

Ion Ratio Lower Upper

98 100

100 66.0 52.8 79.2



#90

Hexachlorobutadiene

Concen: 0.303 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX017326.D

Acq: 10 Jul 2020 11:29

Tgt Ion: 225 Resp: 567

Ion Ratio Lower Upper

225 100

223 85.2 0.0 129.0

227 70.7 0.0 124.4

