

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121120\
 Data File : VX019876.D
 Acq On : 11 Dec 2020 15:21
 Operator : JC/MD
 Sample : L5028-04 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 12 00:23:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Dec 09 06:09:21 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

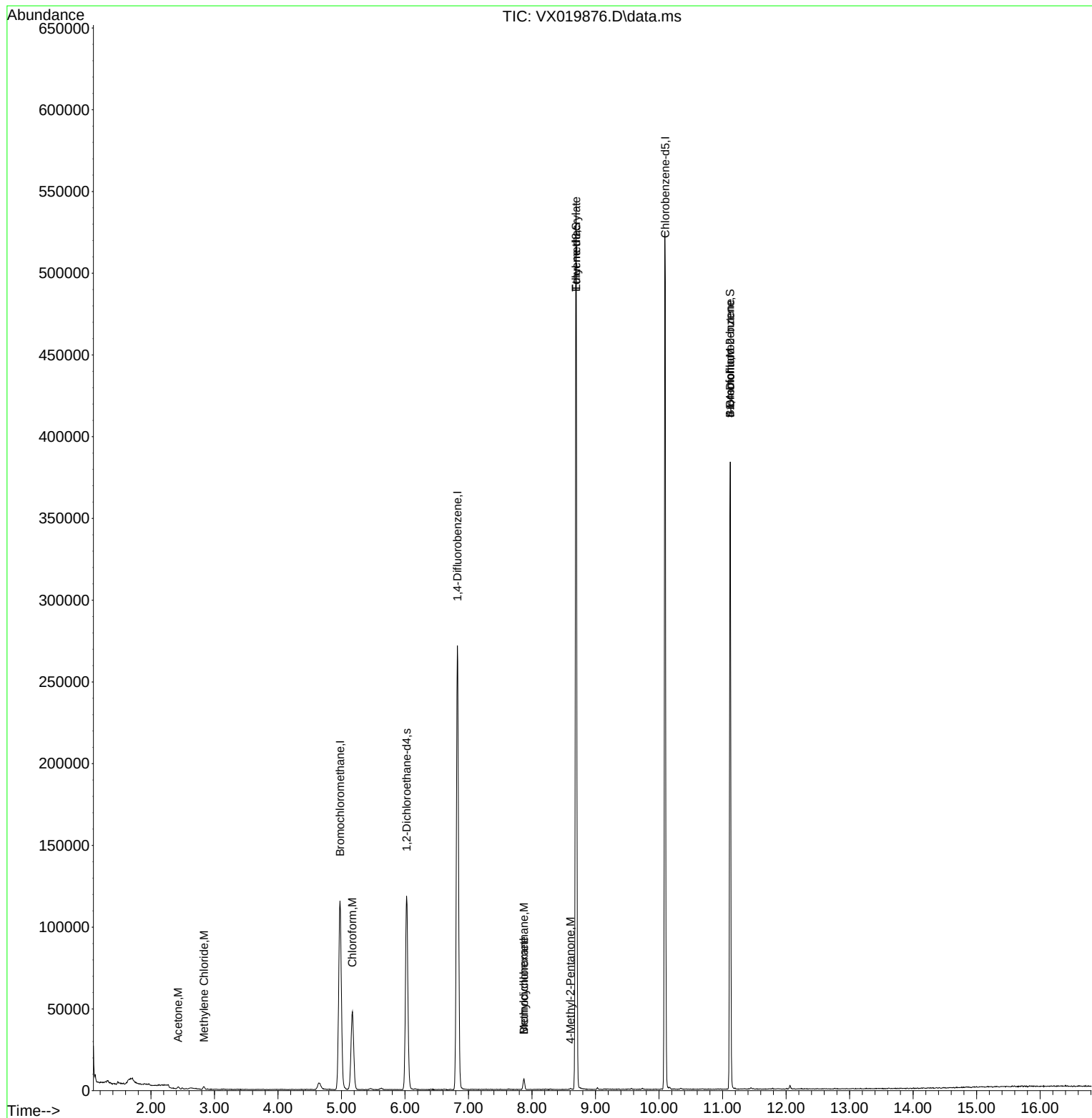
Internal Standards						
1) Bromochloromethane	4.977	128	51887	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.824	114	280176	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.098	117	242436	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.025	65	111960	31.13	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.77%
60) 4-Bromofluorobenzene	11.122	95	106662	26.20	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.33%
63) Toluene-d8	8.696	98	328849	30.97	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.23%
Target Compounds						
					Qvalue	
15) Acetone	2.428	58	432	0.82	ug/l #	40
18) Methylene Chloride	2.837	84	821	0.24	ug/l	95
25) Chloroform	5.172	83	57845	9.79	ug/l	98
38) Methylcyclohexane	7.873	83	4141	0.80	ug/l #	18
41) Bromodichloromethane	7.873	83	4142	0.91	ug/l	97
51) Ethyl methacrylate	8.696	69	1194	0.23	ug/l	89
56) Bromoform	11.122	173	591	0.22	ug/l #	1
58) 4-Methyl-2-Pentanone	8.604	43	1039	0.25	ug/l #	39
77) t-1,4-Dichloro-2-butene	11.122	75	51320	29.97	ug/l #	11

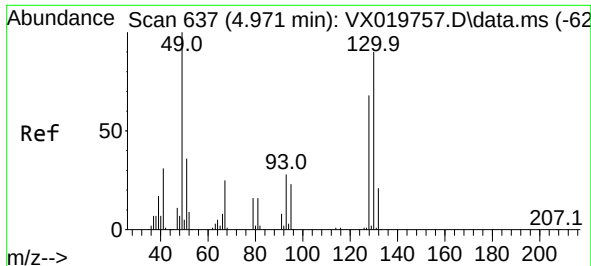
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

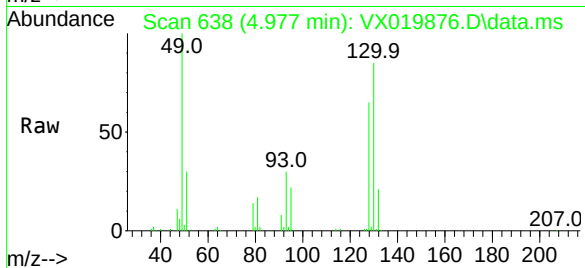
Quant Time: Dec 12 00:23:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Dec 09 06:09:21 2020
Response via : Initial Calibration



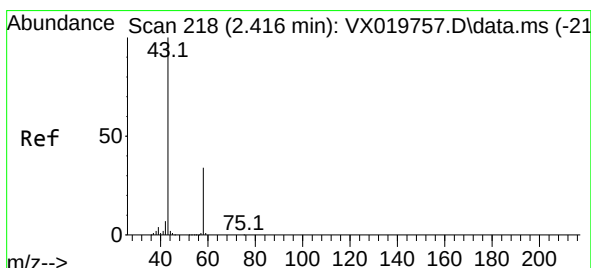
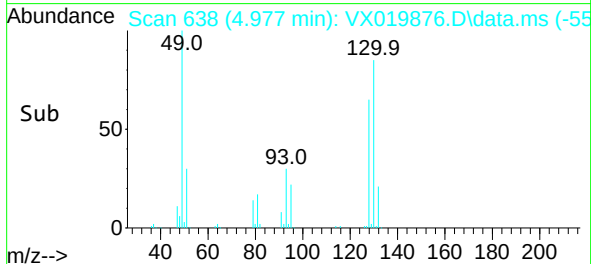
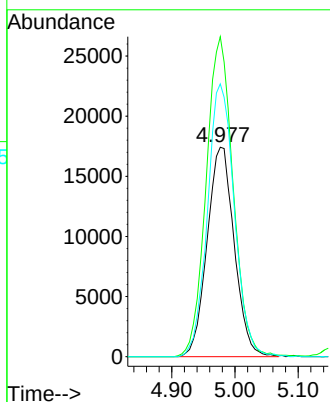


#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.977 min Scan# 638
Delta R.T. 0.006 min
Lab File: VX019876.D
Acq: 11 Dec 2020 15:21

Instrument :
MSVOA_X
ClientSampleId :

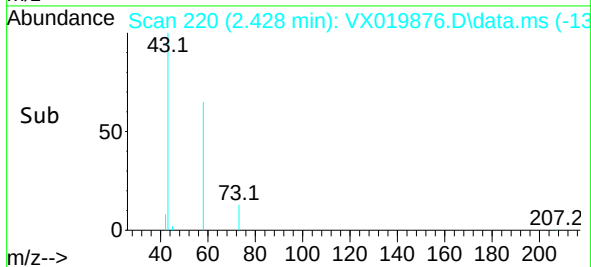
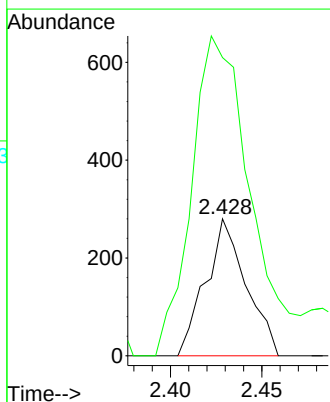
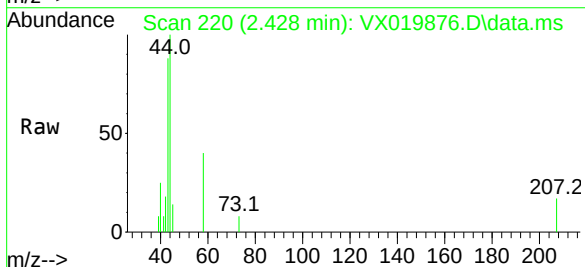


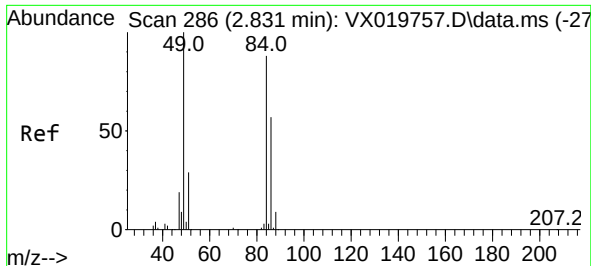
Tgt Ion	Ratio	Lower	Upper
128	100		
49	151.5	0.0	367.5
130	128.9	0.0	318.8



#15
Acetone
Concen: 0.82 ug/l
RT: 2.428 min Scan# 220
Delta R.T. 0.012 min
Lab File: VX019876.D
Acq: 11 Dec 2020 15:21

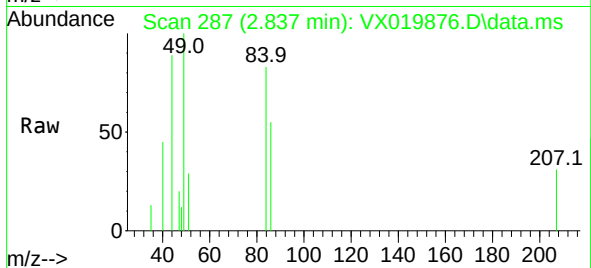
Tgt Ion	Ratio	Lower	Upper
58	100		
43	176.1	232.6	348.8#



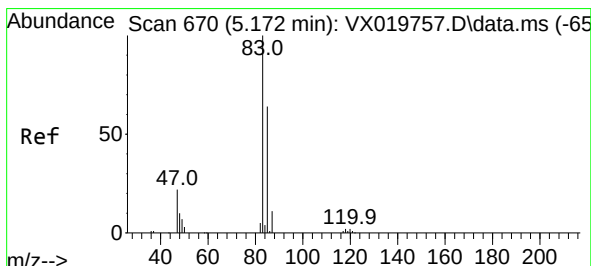
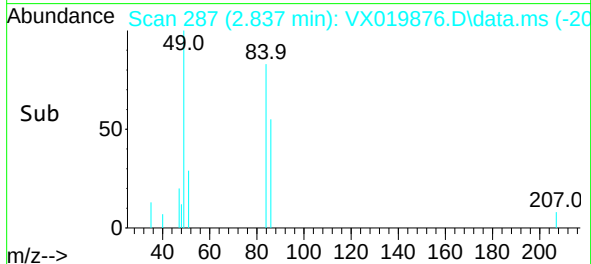
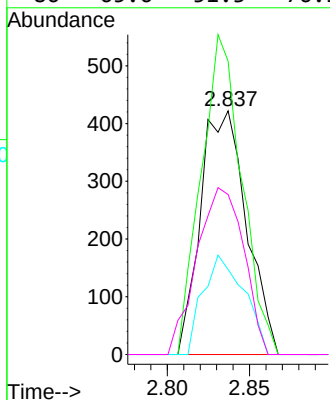


#18
Methylene Chloride
Concen: 0.24 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX019876.D
Acq: 11 Dec 2020 15:21

Instrument :
MSVOA_X
ClientSampled :

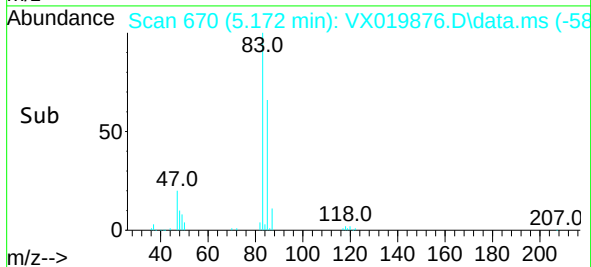
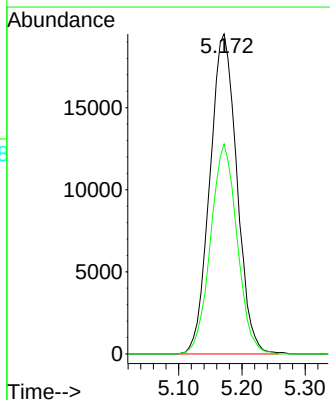
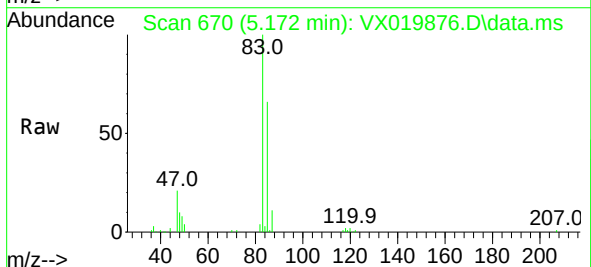


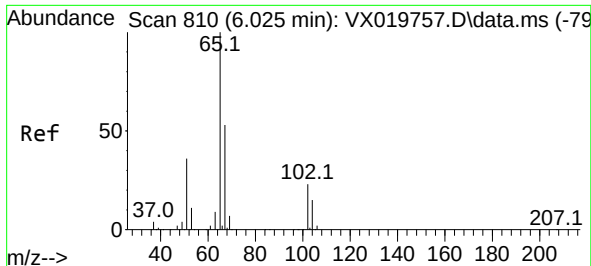
Tgt Ion: 84	Resp: 821
Ion Ratio	Lower Upper
84 100	
49 120.4	90.6 136.0
51 34.8	26.3 39.5
86 65.6	51.3 76.9



#25
Chloroform
Concen: 9.79 ug/l
RT: 5.172 min Scan# 670
Delta R.T. -0.000 min
Lab File: VX019876.D
Acq: 11 Dec 2020 15:21

Tgt Ion: 83	Resp: 57845		
Ion Ratio	Lower	Upper	
83 100			
85 65.6	51.2	76.8	

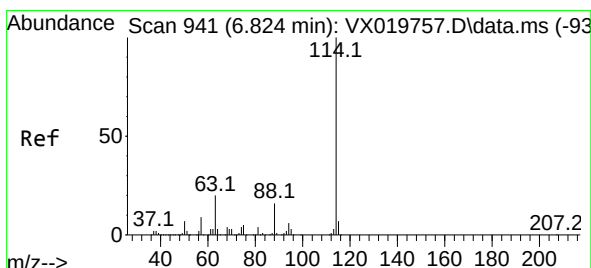
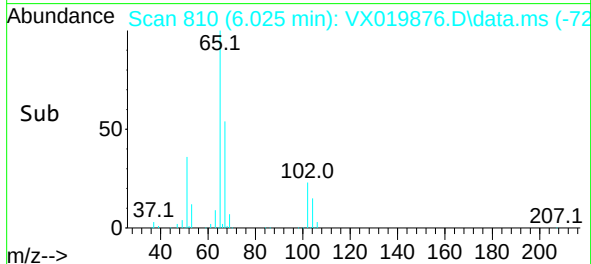
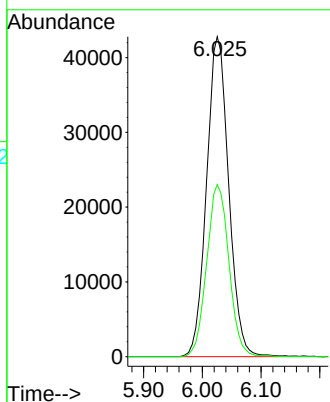
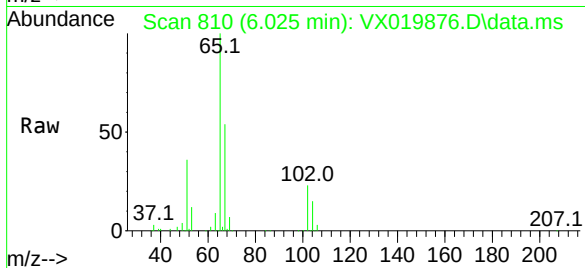




#27
1,2-Dichloroethane-d4
Concen: 31.13 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX019876.D
Acq: 11 Dec 2020 15:21

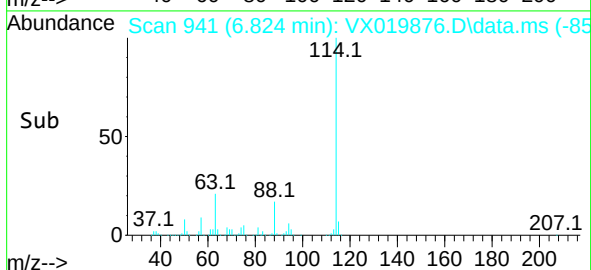
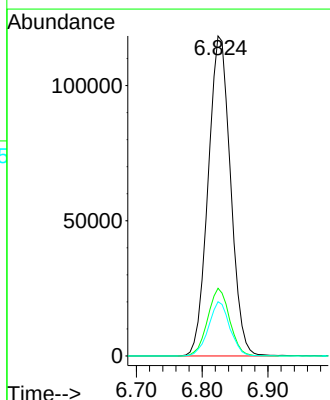
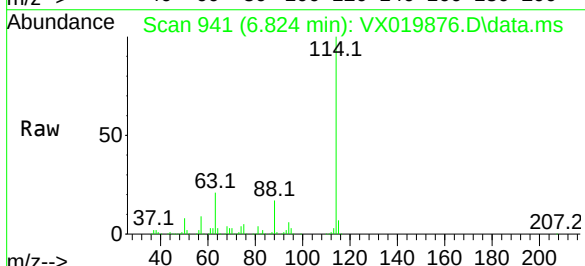
Instrument :
MSVOA_X
ClientSampled :

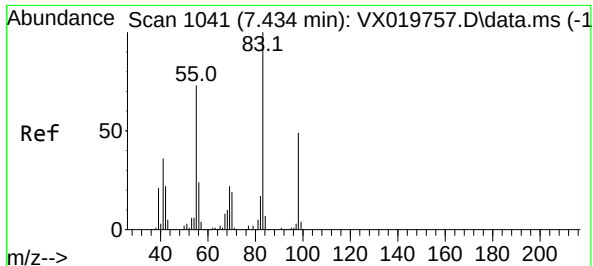
Tgt Ion: 65 Resp: 111960
Ion Ratio Lower Upper
65 100
67 53.9 41.9 62.9



#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.824 min Scan# 941
Delta R.T. -0.000 min
Lab File: VX019876.D
Acq: 11 Dec 2020 15:21

Tgt Ion: 114 Resp: 280176
Ion Ratio Lower Upper
114 100
63 20.7 16.2 24.2
88 16.1 13.0 19.6





#38

Methylcyclohexane

Concen: 0.80 ug/l

RT: 7.873 min Scan# 1113

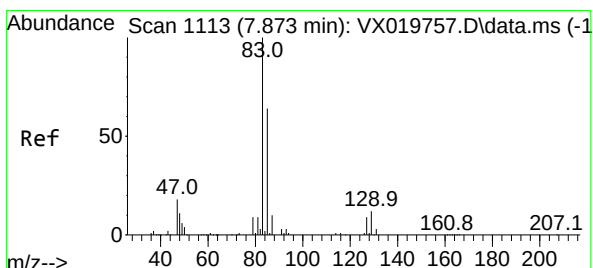
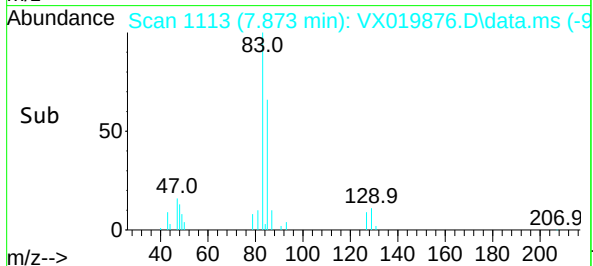
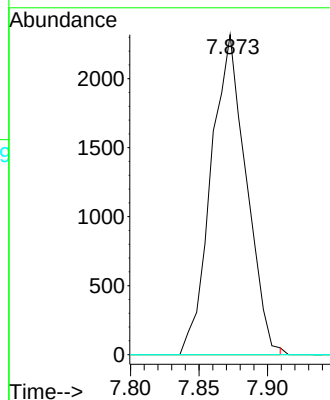
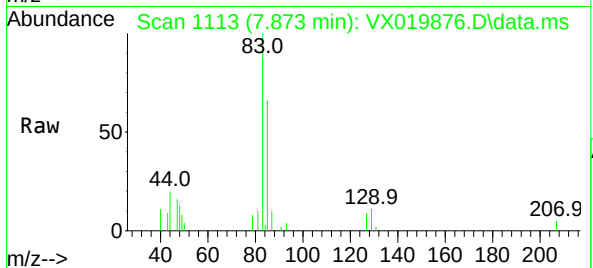
Delta R.T. 0.439 min

Lab File: VX019876.D

Acq: 11 Dec 2020 15:21

Tgt Ion:	83	Resp:	4141
Ion	Ratio	Lower	Upper
83	100		
55	0.0	37.4	112.1#
98	0.0	24.7	74.1#

Instrument :
MSVOA_X
ClientSampled :



#41

Bromodichloromethane

Concen: 0.91 ug/l

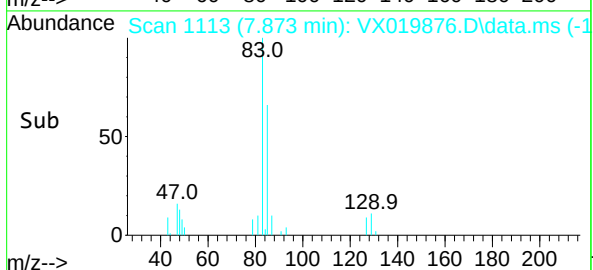
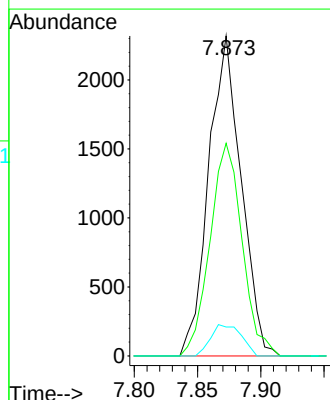
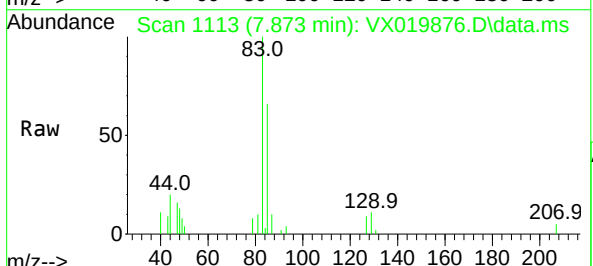
RT: 7.873 min Scan# 1113

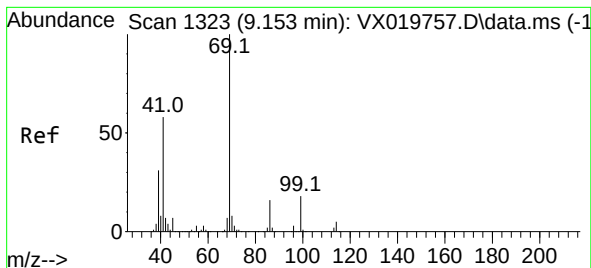
Delta R.T. -0.000 min

Lab File: VX019876.D

Acq: 11 Dec 2020 15:21

Tgt Ion:	83	Resp:	4142
Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.4	77.0
127	9.1	7.1	10.7





#51

Ethyl methacrylate

Concen: 0.23 ug/l

RT: 8.696 min Scan# 1248

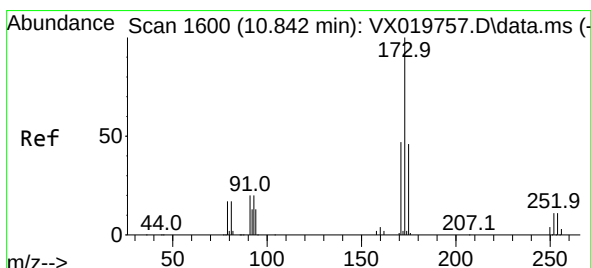
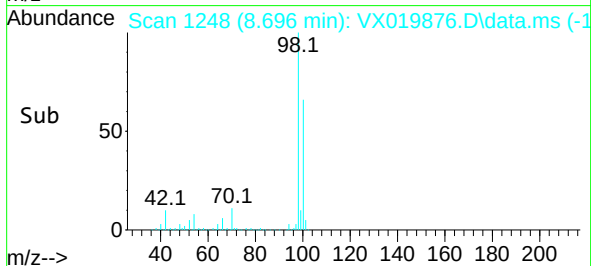
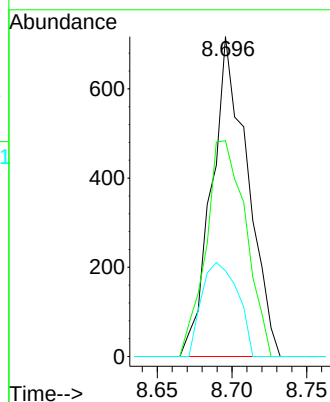
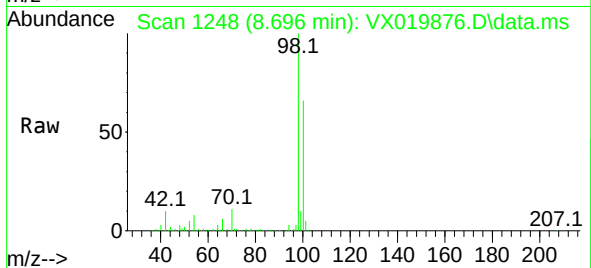
Delta R.T. -0.457 min

Lab File: VX019876.D

Acq: 11 Dec 2020 15:21

Tgt Ion:	69	Resp:	1194
Ion	Ratio	Lower	Upper
69	100		
41	67.5	29.1	87.4
39	26.8	15.4	46.1

Instrument :
MSVOA_X
ClientSampleId :



#56

Bromoform

Concen: 0.22 ug/l

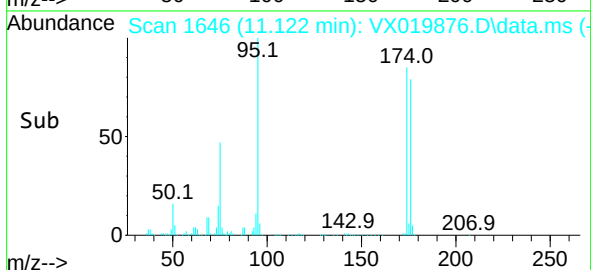
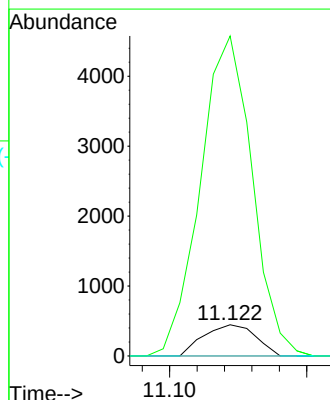
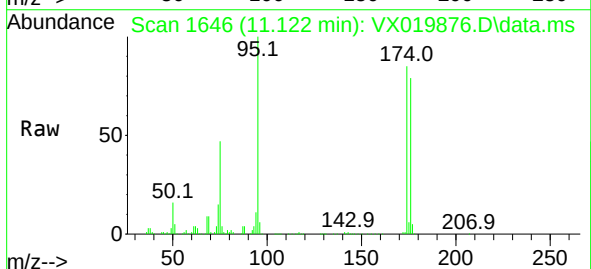
RT: 11.122 min Scan# 1646

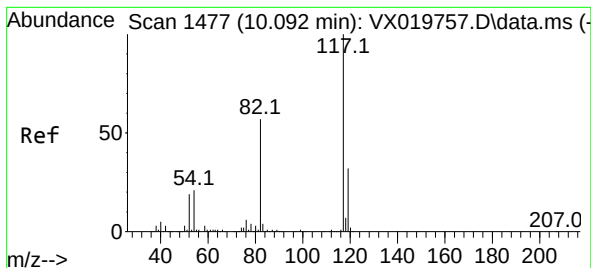
Delta R.T. 0.280 min

Lab File: VX019876.D

Acq: 11 Dec 2020 15:21

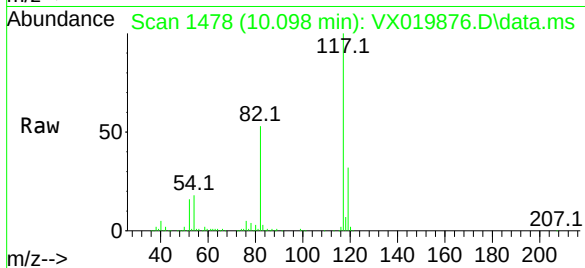
Tgt Ion:	173	Resp:	591
Ion	Ratio	Lower	Upper
173	100		
175	1017.1	38.1	57.1#
254	0.0	8.2	12.4#



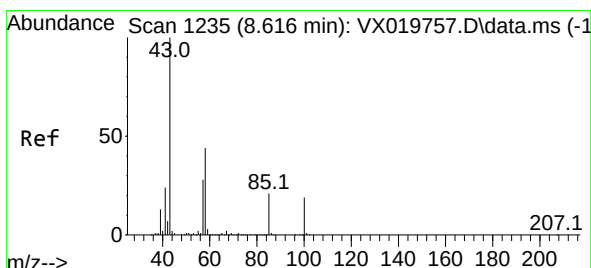
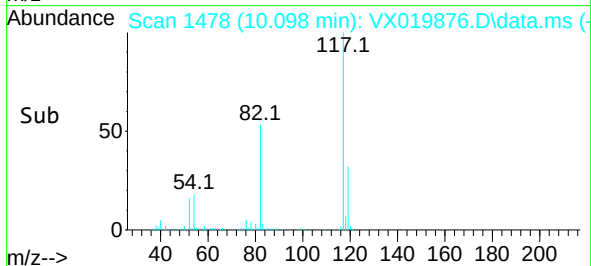
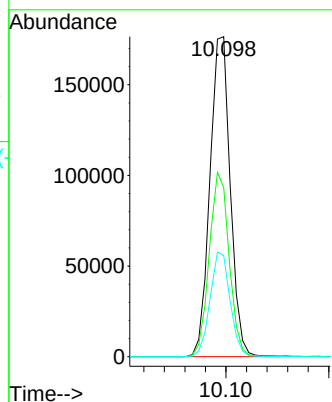


#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX019876.D
Acq: 11 Dec 2020 15:21

Instrument :
MSVOA_X
ClientSampled :

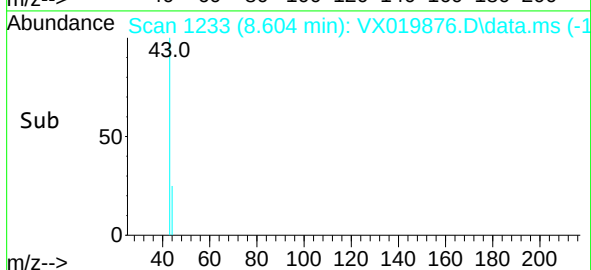
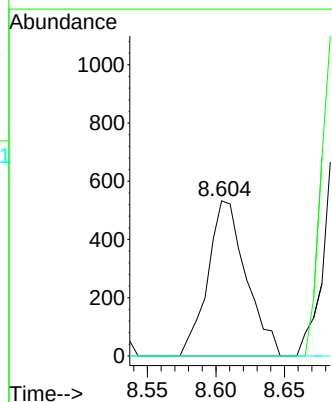
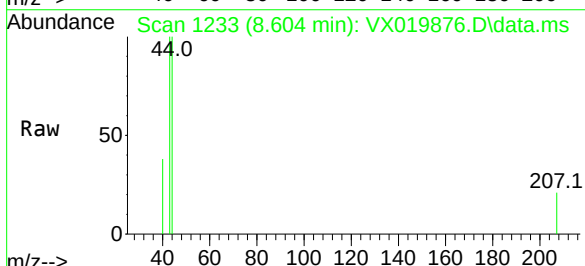


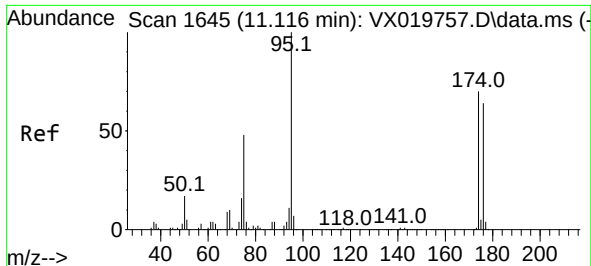
Tgt Ion: 117 Resp: 242436
Ion Ratio Lower Upper
117 100
82 56.5 45.0 67.6
119 32.1 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 0.25 ug/l
RT: 8.604 min Scan# 1233
Delta R.T. -0.012 min
Lab File: VX019876.D
Acq: 11 Dec 2020 15:21

Tgt Ion: 43 Resp: 1039
Ion Ratio Lower Upper
43 100
58 0.0 35.2 52.8#
85 0.0 16.8 25.2#

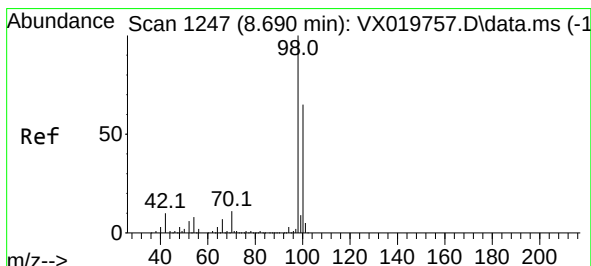
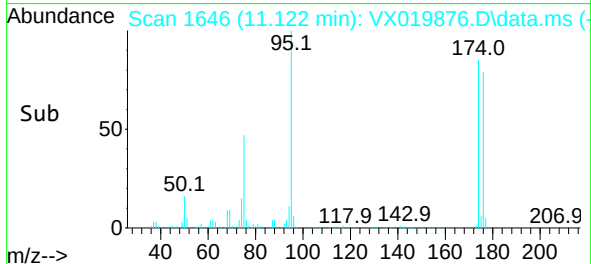
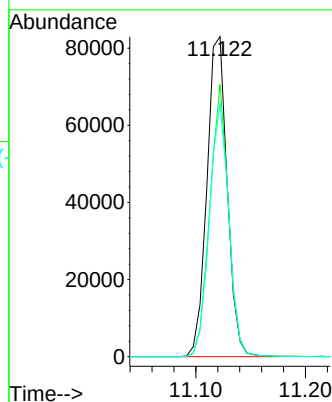
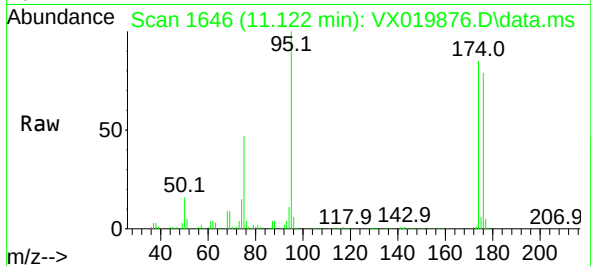




#60
4-Bromofluorobenzene
Concen: 26.20 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.006 min
Lab File: VX019876.D
Acq: 11 Dec 2020 15:21

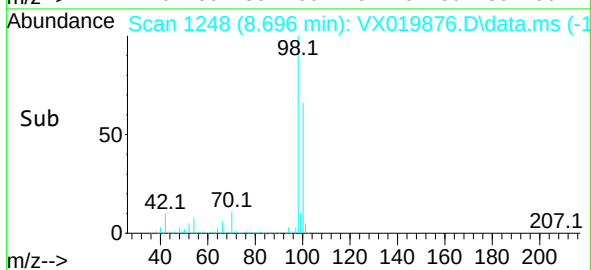
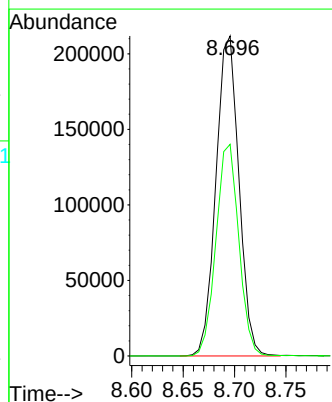
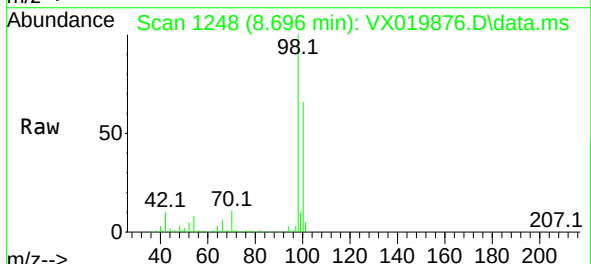
Instrument :
MSVOA_X
ClientSampleId :

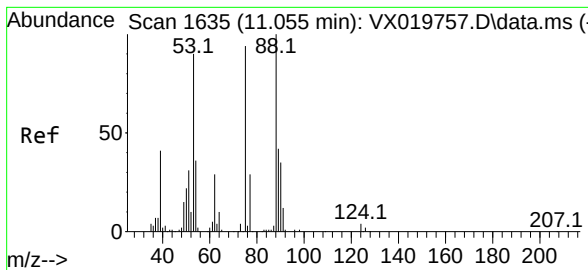
Tgt Ion: 95 Resp: 106662
Ion Ratio Lower Upper
95 100
174 78.4 63.0 94.4
176 75.5 59.9 89.9



#63
Toluene-d8
Concen: 30.97 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX019876.D
Acq: 11 Dec 2020 15:21

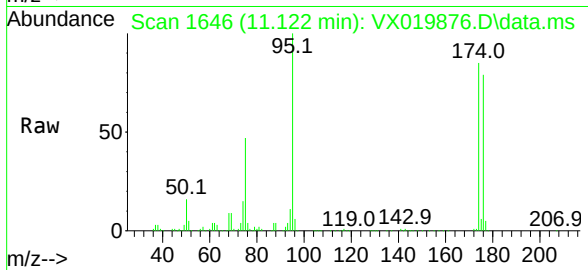
Tgt Ion: 98 Resp: 328849
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4





#77
t-1,4-Dichloro-2-butene
Concen: 29.97 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX019876.D
Acq: 11 Dec 2020 15:21

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	48.4	145.0#
89	0.0	22.7	68.0#

