

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022521\
 Data File : VX020911.D
 Acq On : 25 Feb 2021 14:08
 Operator : JC/MD
 Sample : VX0225WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 25 15:07:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 25 13:26:35 2021
 Response via : Initial Calibration

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

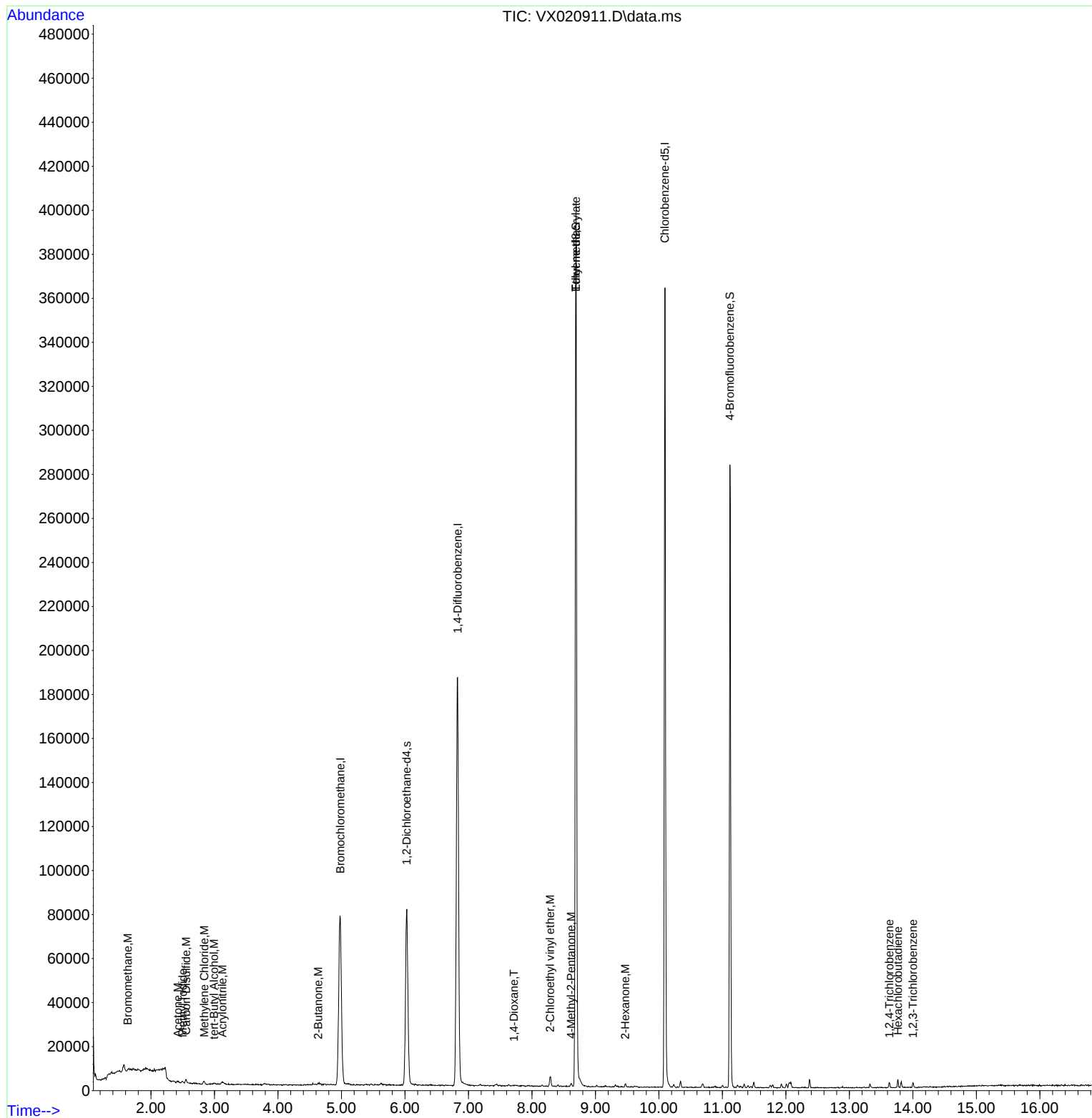
Internal Standards						
1) Bromochloromethane	4.982	128	35232	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	203317	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	176867	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.029	65	76383	30.79	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.63%
60) 4-Bromofluorobenzene	11.118	95	83536	28.56	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.20%
63) Toluene-d8	8.694	98	240717	29.89	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.63%
Target Compounds						
					Qvalue	
5) Bromomethane	1.634	94	477	0.50	ug/l	82
11) Methyl Iodide	2.499	142	993	0.38	ug/l #	93
14) Acrylonitrile	3.123	53	604	0.53	ug/l	96
15) Acetone	2.422	58	230	0.67	ug/l #	18
16) Carbon Disulfide	2.552	76	1992	0.34	ug/l	99
18) Methylene Chloride	2.840	84	648	0.28	ug/l #	82
23) tert-Butyl Alcohol	2.993	59	190	0.36	ug/l #	100
30) 2-Butanone	4.635	43	445	0.28	ug/l #	65
45) 1,4-Dioxane	7.717	88	49	0.84	ug/l #	1
51) Ethyl methacrylate	8.694	69	821	0.22	ug/l	89
55) 2-Chloroethyl vinyl ether	8.288	63	1973	1.12	ug/l	94
58) 4-Methyl-2-Pentanone	8.617	43	982	0.34	ug/l #	85
59) 2-Hexanone	9.470	43	840	0.38	ug/l	90
89) 1,2,4-Trichlorobenzene	13.630	180	623	0.22	ug/l	90
90) Hexachlorobutadiene	13.765	225	491	0.42	ug/l	90
92) 1,2,3-Trichlorobenzene	14.000	180	729	0.25	ug/l	87

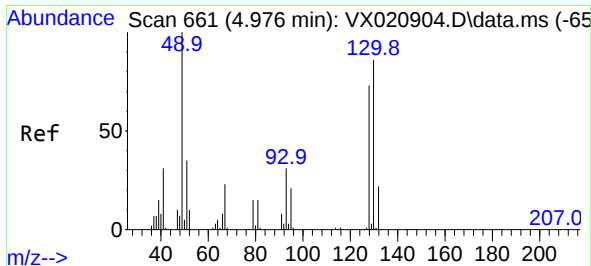
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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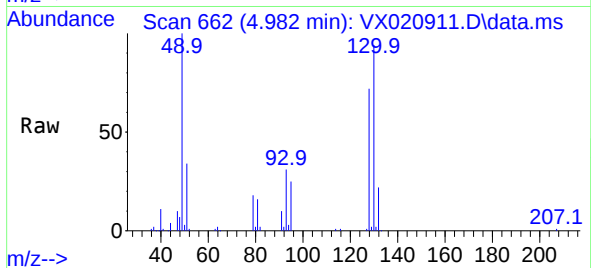
Quant Time: Feb 25 15:07:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022521W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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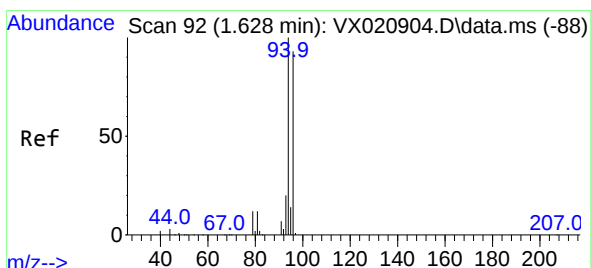
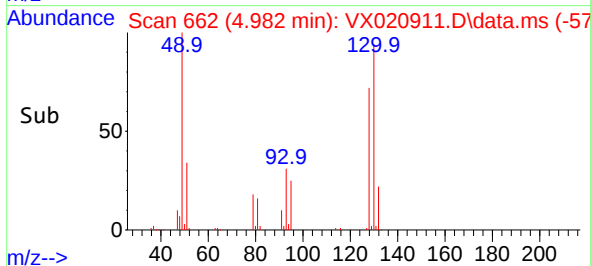
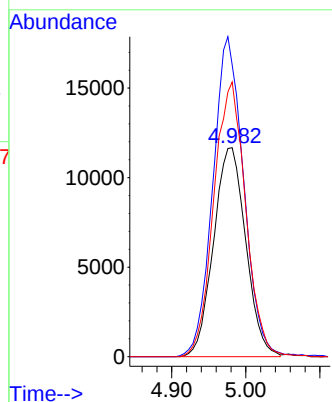


#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.982 min Scan# 662
Delta R.T. 0.006 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

Instrument :
MSVOA_X
ClientSampleId :

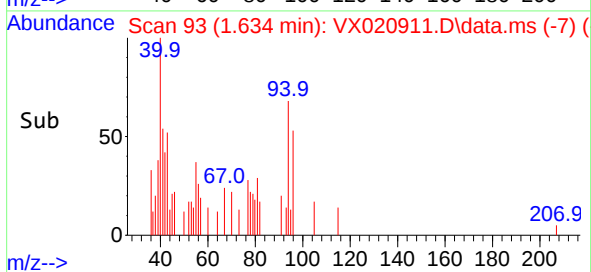
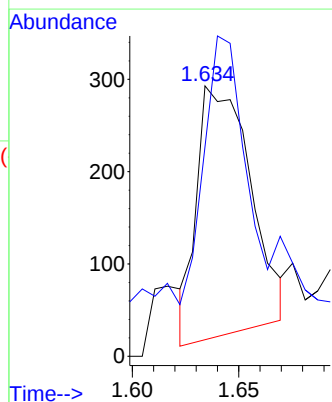
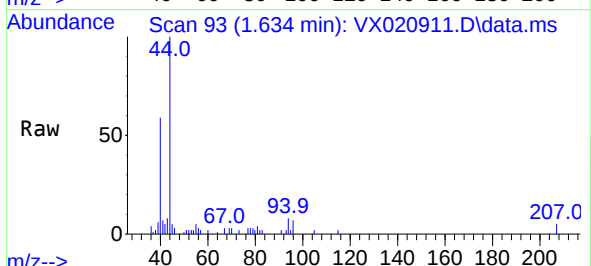


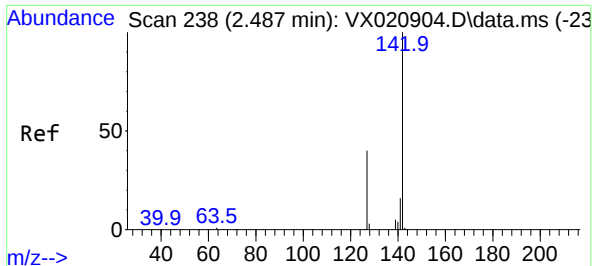
Tgt Ion:128 Resp: 35232
Ion Ratio Lower Upper
128 100
49 145.9 0.0 367.5
130 129.8 0.0 318.8



#5
Bromomethane
Concen: 0.50 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.006 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

Tgt Ion: 94 Resp: 477
Ion Ratio Lower Upper
94 100
96 77.7 76.6 114.8





#11

Methyl Iodide

Concen: 0.38 ug/l

RT: 2.499 min Scan# 240

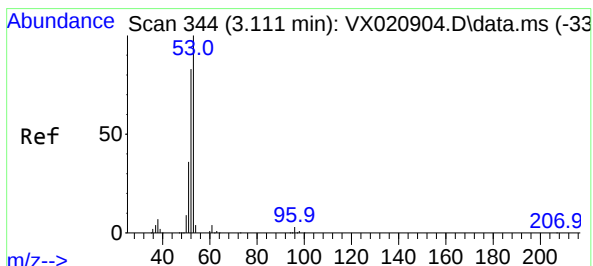
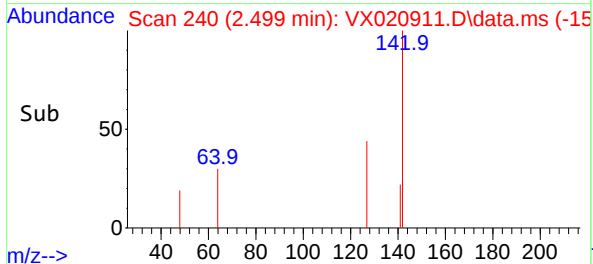
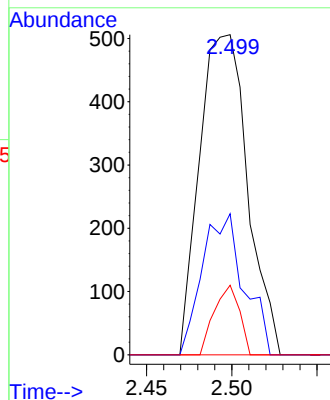
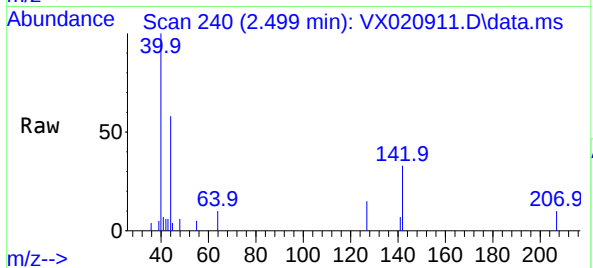
Delta R.T. 0.012 min

Lab File: VX020911.D

Acq: 25 Feb 2021 14:08

Tgt Ion:	142	Resp:	993
Ion	Ratio	Lower	Upper
142	100		
127	44.1	21.4	64.2
141	21.7	6.5	19.4#

Instrument :
MSVOA_X
ClientSampled :



#14

Acrylonitrile

Concen: 0.53 ug/l

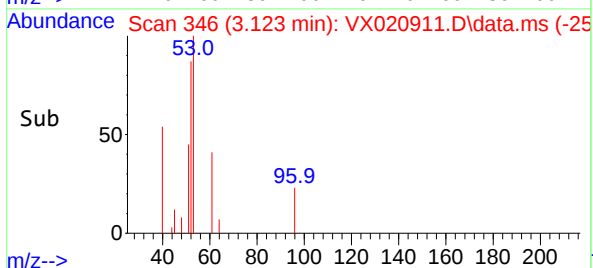
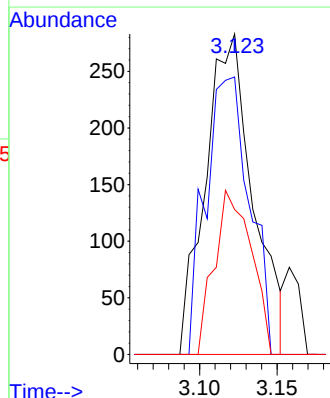
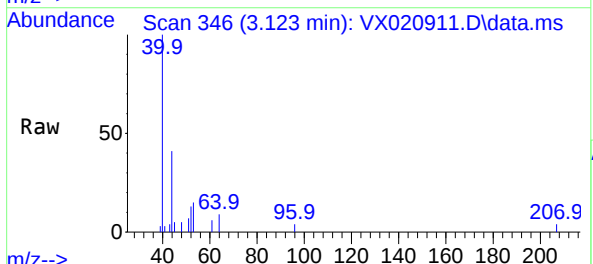
RT: 3.123 min Scan# 346

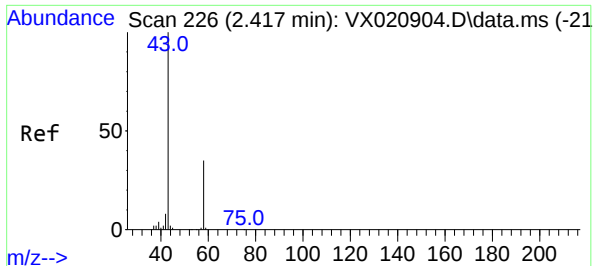
Delta R.T. 0.012 min

Lab File: VX020911.D

Acq: 25 Feb 2021 14:08

Tgt Ion:	53	Resp:	604
Ion	Ratio	Lower	Upper
53	100		
52	80.1	41.1	123.3
51	39.9	17.6	52.9

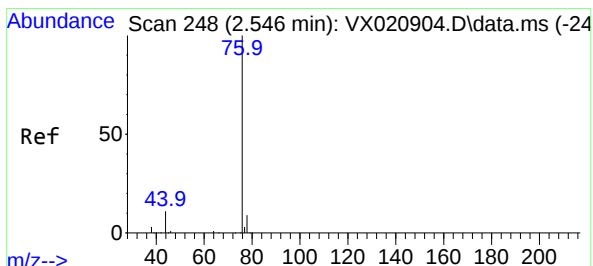
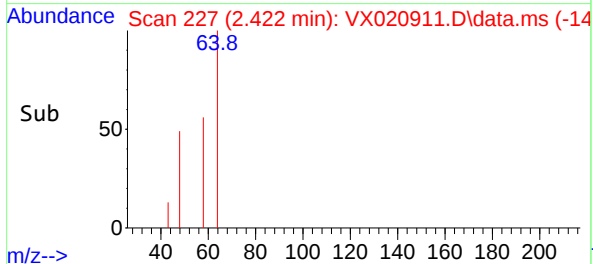
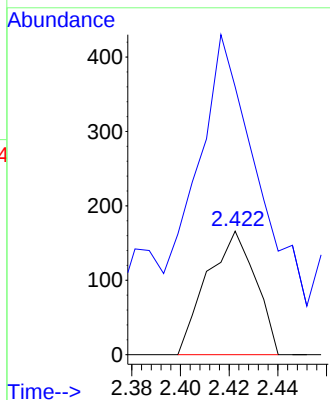
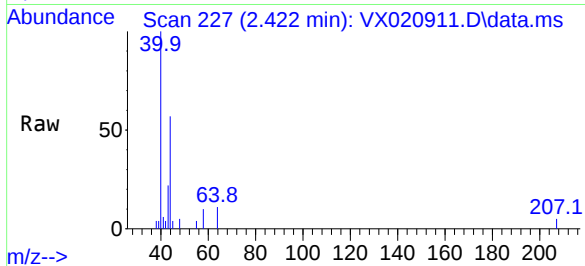




#15
Acetone
Concen: 0.67 ug/l
RT: 2.422 min Scan# 227
Delta R.T. 0.006 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

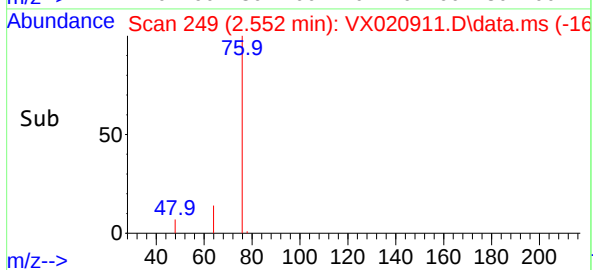
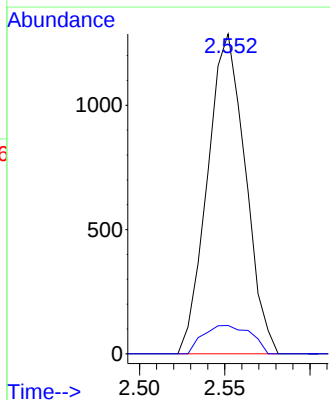
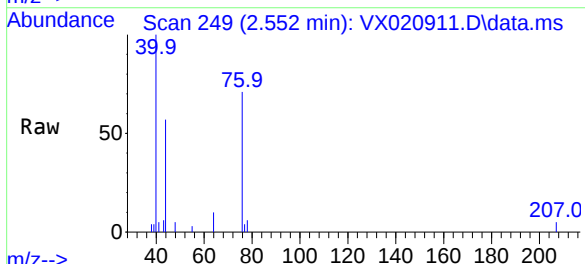
Instrument :
MSVOA_X
ClientSampleId :

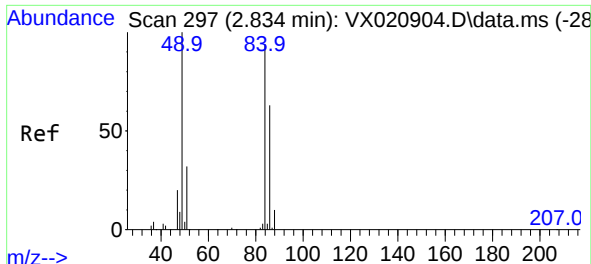
Tgt Ion: 58 Resp: 230
Ion Ratio Lower Upper
58 100
43 133.1 232.6 348.8#



#16
Carbon Disulfide
Concen: 0.34 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.006 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

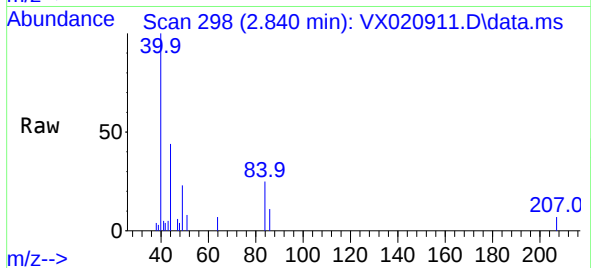
Tgt Ion: 76 Resp: 1992
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



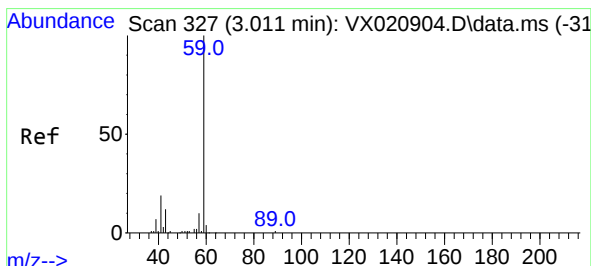
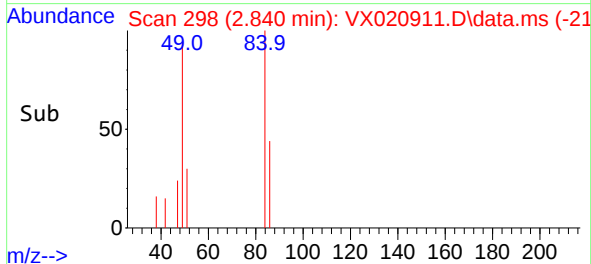
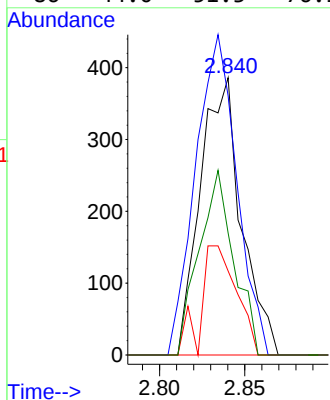


#18
Methylene Chloride
Concen: 0.28 ug/l
RT: 2.840 min Scan# 298
Delta R.T. 0.006 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

Instrument :
MSVOA_X
ClientSampled :

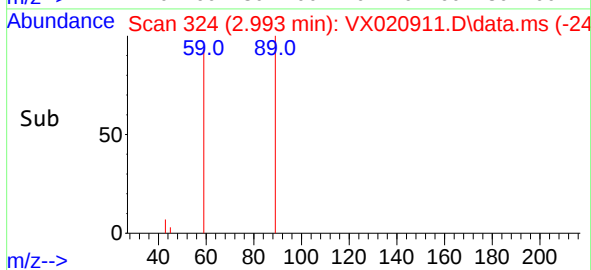
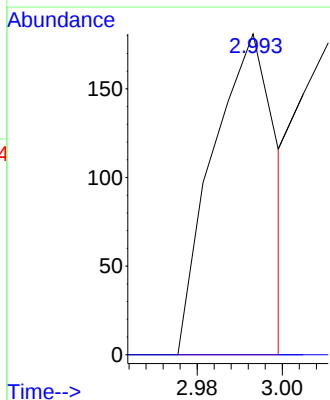
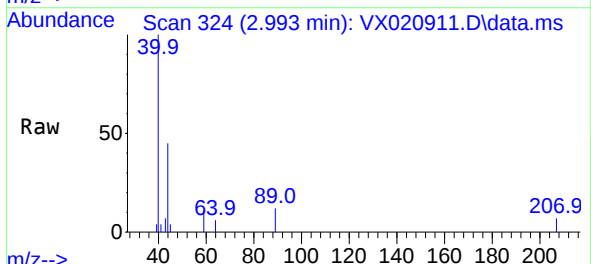


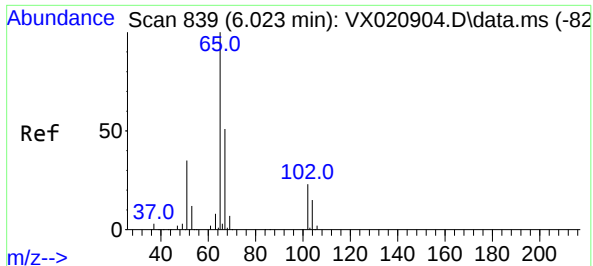
Tgt Ion: 84 Resp: 648
Ion Ratio Lower Upper
84 100
49 93.5 90.6 136.0
51 30.3 26.3 39.5
86 44.0 51.3 76.9#



#23
tert-Butyl Alcohol
Concen: 0.36 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.018 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

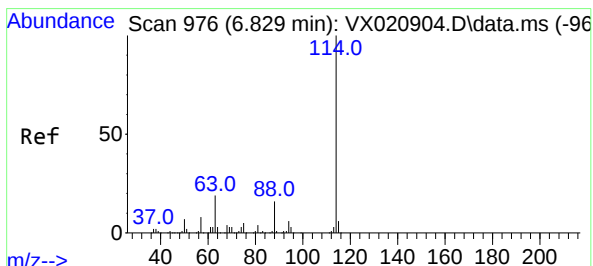
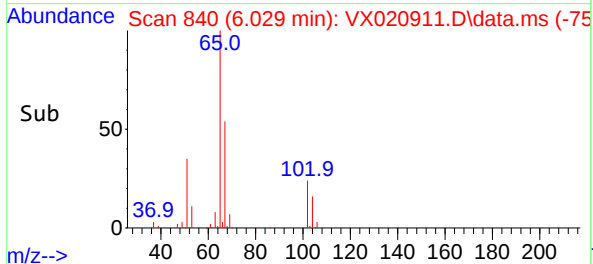
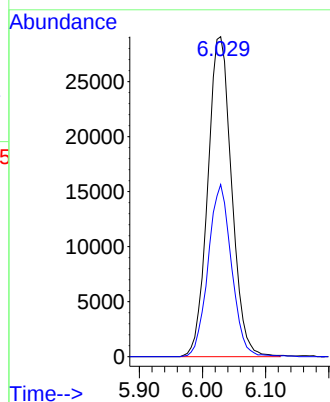
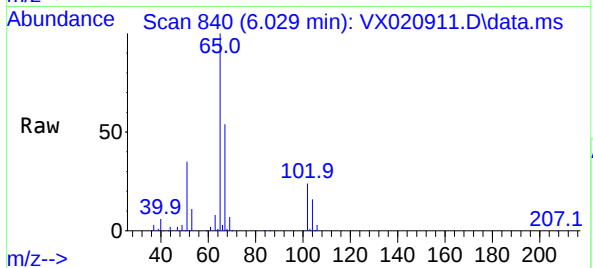




#27
1,2-Dichloroethane-d4
Concen: 30.79 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.006 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

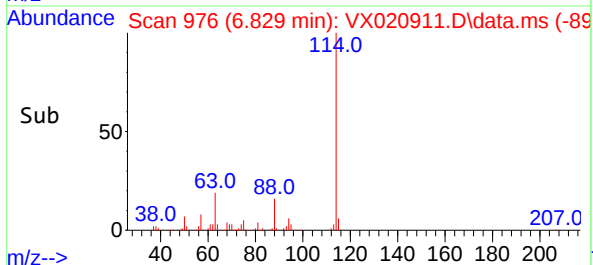
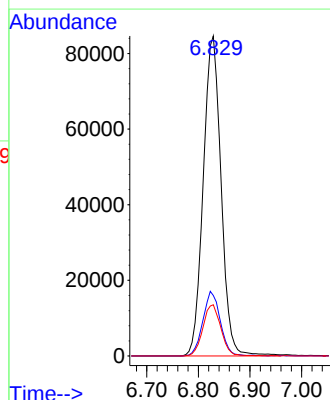
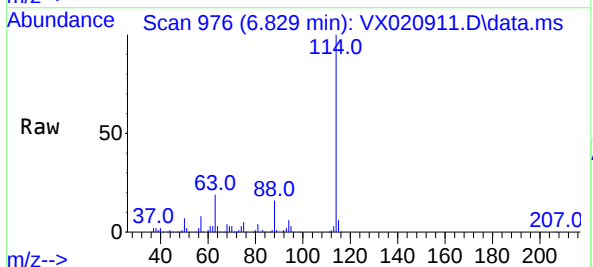
Instrument :
MSVOA_X
ClientSampleId :

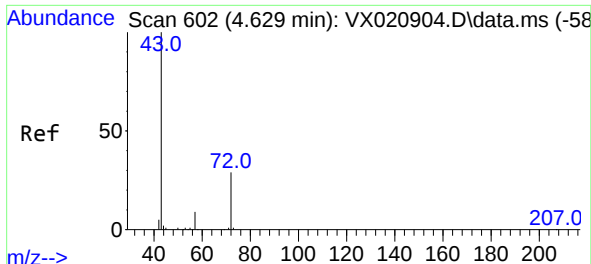
Tgt Ion: 65 Resp: 76383
Ion Ratio Lower Upper
65 100
67 52.3 41.9 62.9



#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

Tgt Ion:114 Resp: 203317
Ion Ratio Lower Upper
114 100
63 19.6 16.2 24.2
88 16.0 13.0 19.6

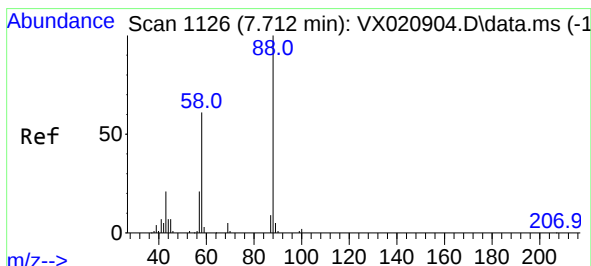
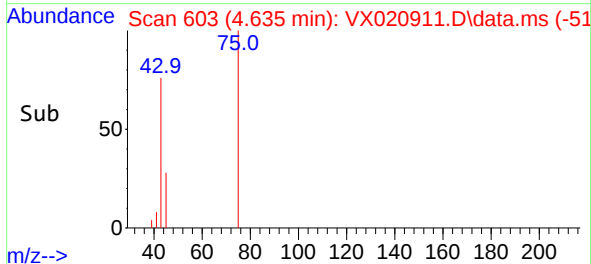
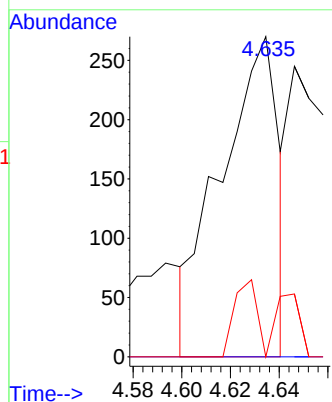
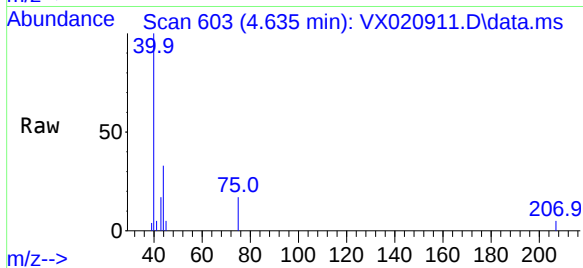




#30
2-Butanone
Concen: 0.28 ug/l
RT: 4.635 min Scan# 603
Delta R.T. 0.006 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

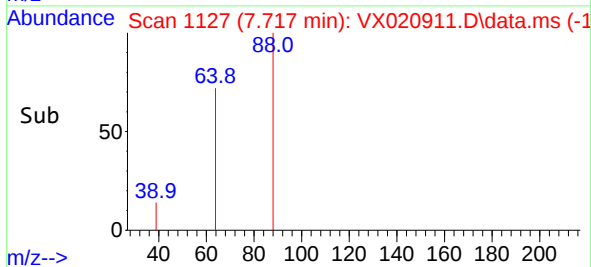
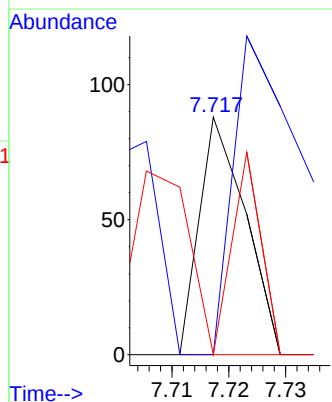
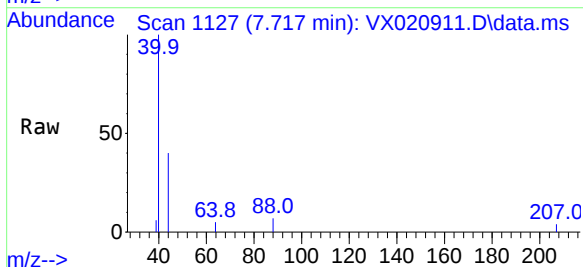
Instrument :
MSVOA_X
ClientSampled :

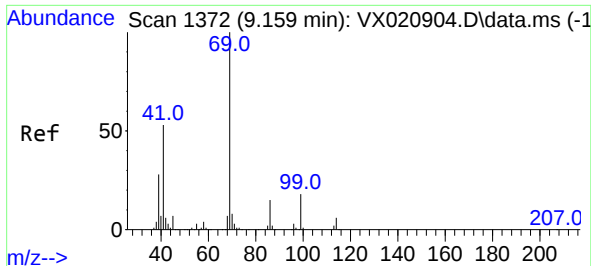
Tgt Ion: 43 Resp: 445
Ion Ratio Lower Upper
43 100
57 0.0 7.2 10.8#
72 9.4 23.7 35.5#



#45
1,4-Dioxane
Concen: 0.84 ug/l
RT: 7.717 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 198.0 22.2 33.2#
58 53.1 53.9 80.9#



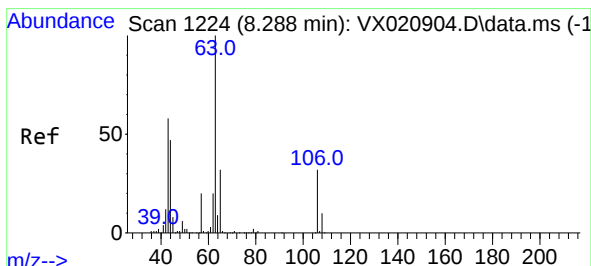
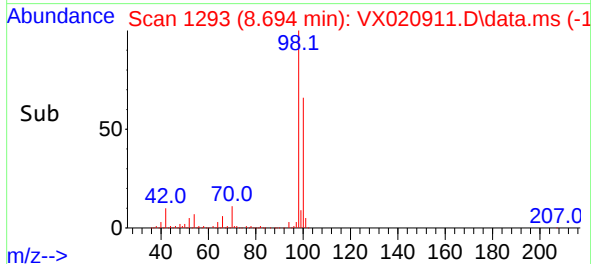
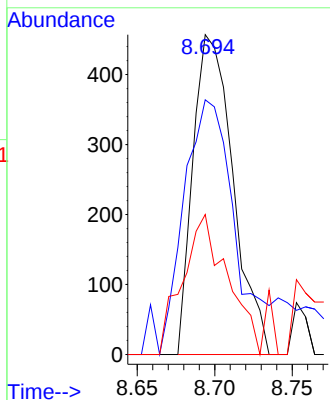
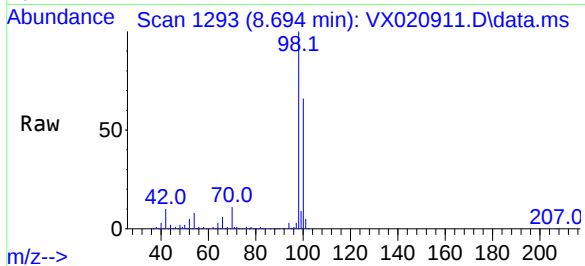


#51
Ethyl methacrylate
Concen: 0.22 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.465 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 69 Resp: 821

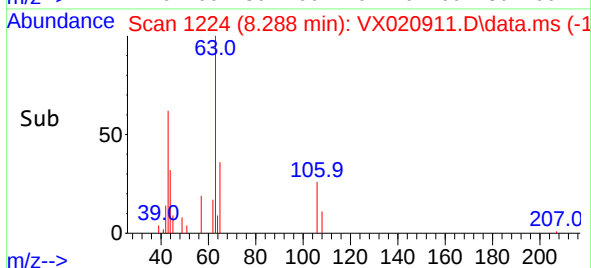
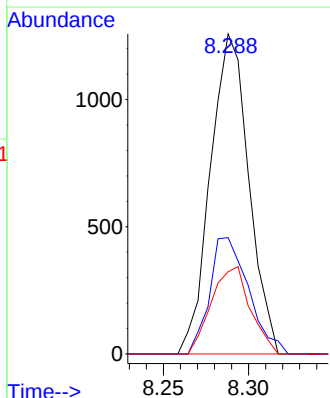
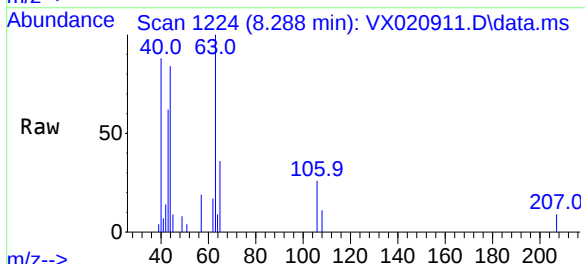
Ion	Ratio	Lower	Upper
69	100		
41	61.9	29.1	87.4
39	43.8	15.4	46.1

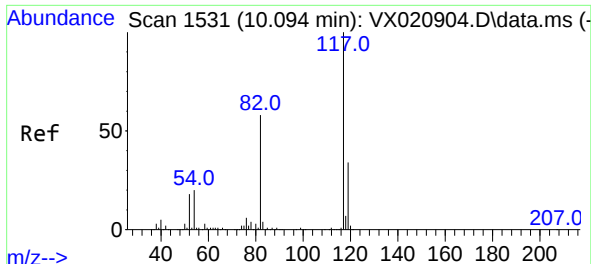


#55
2-Chloroethyl vinyl ether
Concen: 1.12 ug/l
RT: 8.288 min Scan# 1224
Delta R.T. -0.000 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

Tgt Ion: 63 Resp: 1973

Ion	Ratio	Lower	Upper
63	100		
65	36.9	25.9	38.9
106	27.6	23.9	35.9

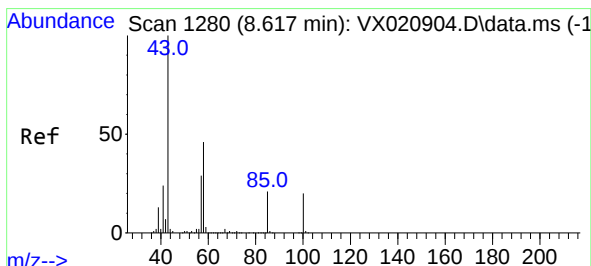
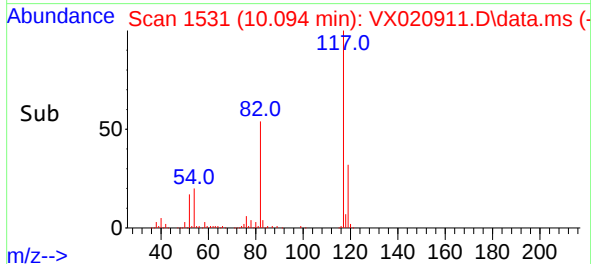
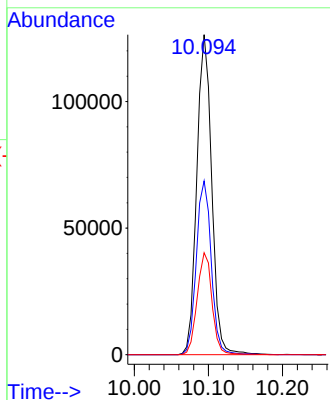
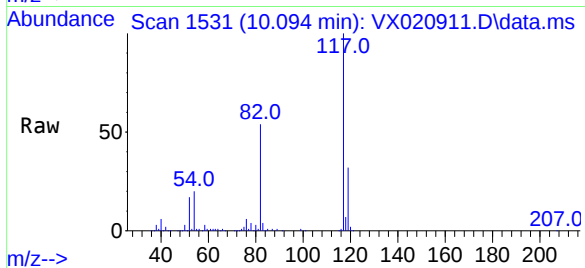




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

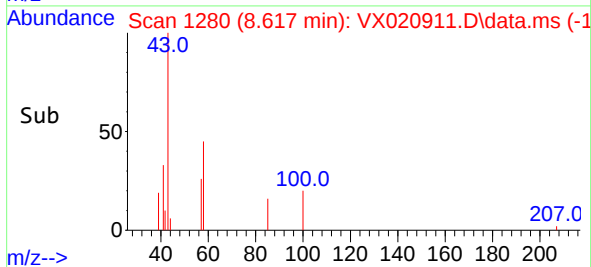
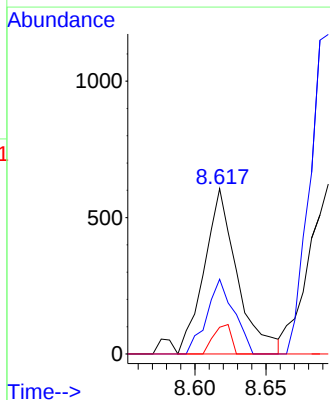
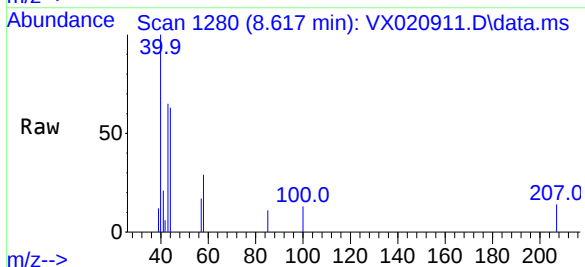
Instrument :
MSVOA_X
ClientSampleId :

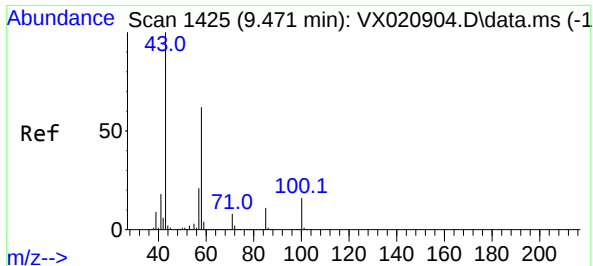
Tgt Ion:117 Resp: 176867
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.6
119 31.7 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 0.34 ug/l
RT: 8.617 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

Tgt Ion: 43 Resp: 982
Ion Ratio Lower Upper
43 100
58 37.2 35.2 52.8
85 9.4 16.8 25.2#



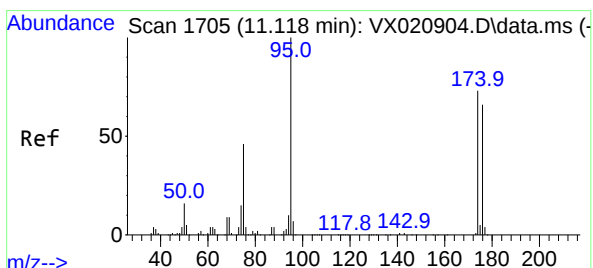
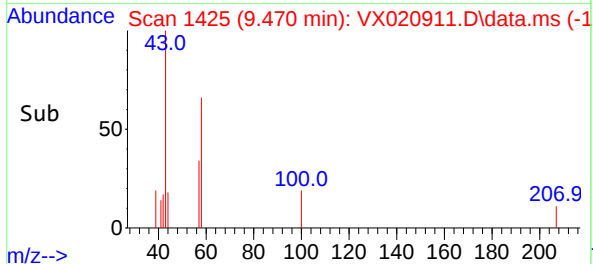
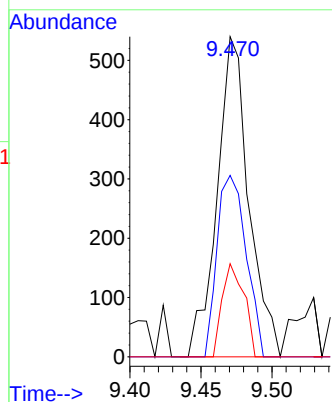
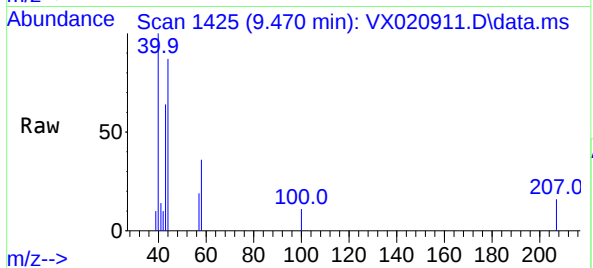


#59
2-Hexanone
Concen: 0.38 ug/l
RT: 9.470 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 43 Resp: 840

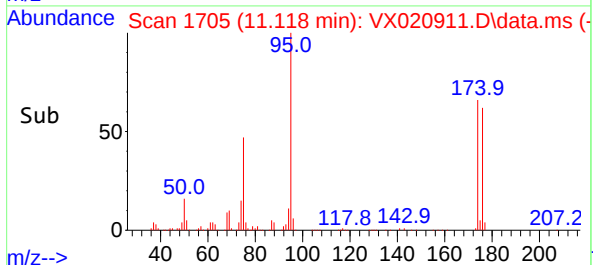
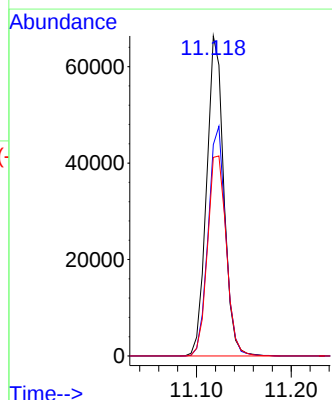
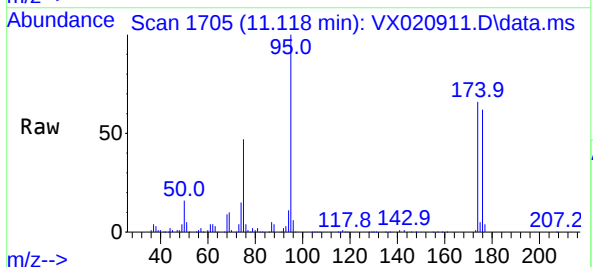
Ion	Ratio	Lower	Upper
43	100		
58	51.8	49.0	73.6
57	20.0	17.1	25.7

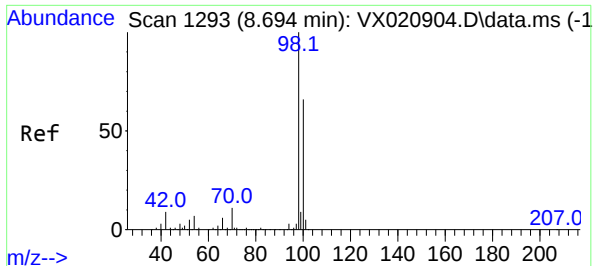


#60
4-Bromofluorobenzene
Concen: 28.56 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

Tgt Ion: 95 Resp: 83536

Ion	Ratio	Lower	Upper
95	100		
174	73.0	63.0	94.4
176	68.4	59.9	89.9

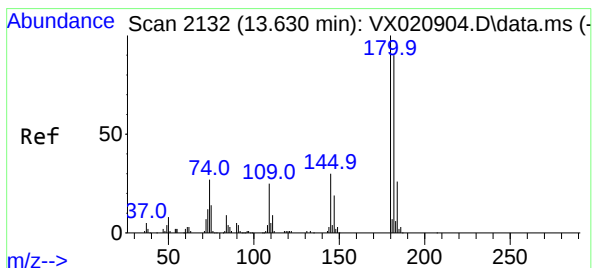
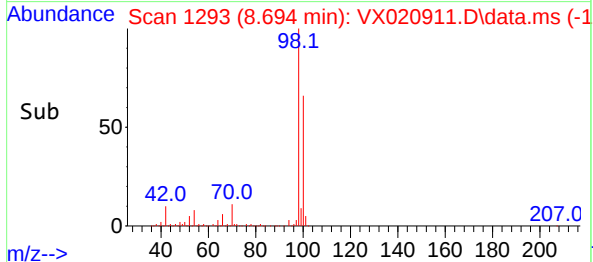
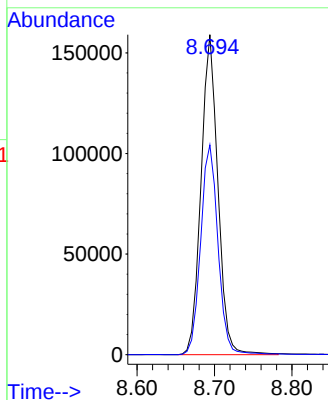
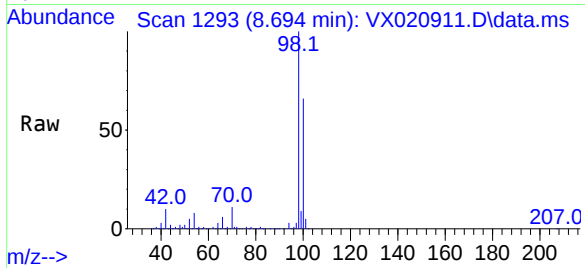




#63
Toluene-d8
Concen: 29.89 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

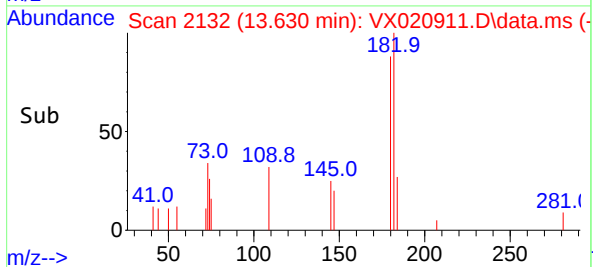
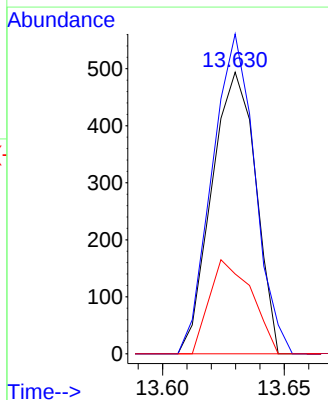
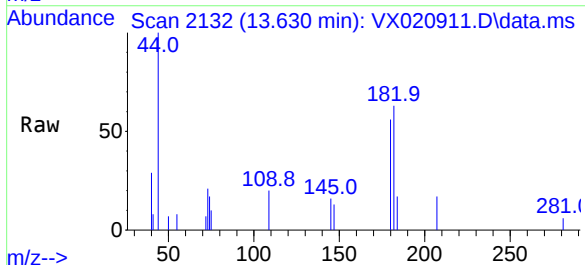
Instrument :
MSVOA_X
ClientSampled :

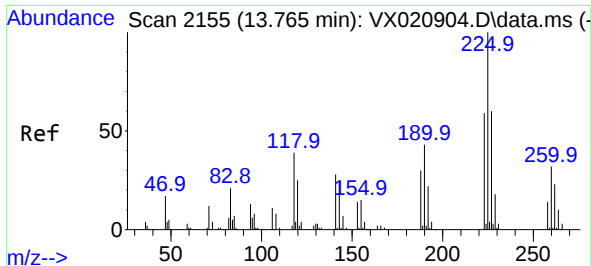
Tgt Ion: 98 Resp: 240717
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.4



#89
1,2,4-Trichlorobenzene
Concen: 0.22 ug/l
RT: 13.630 min Scan# 2132
Delta R.T. -0.000 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

Tgt Ion:180 Resp: 623
Ion Ratio Lower Upper
180 100
182 110.0 77.9 116.9
145 31.9 24.3 36.5

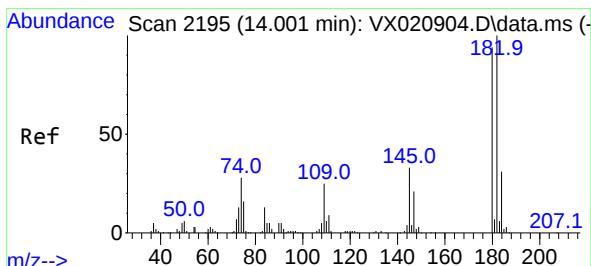
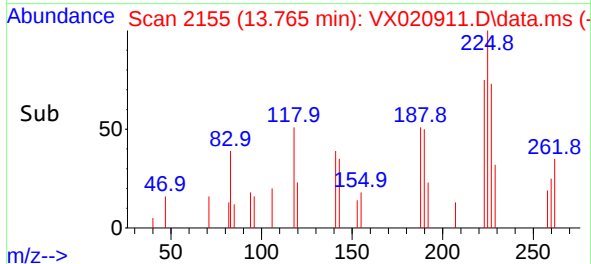
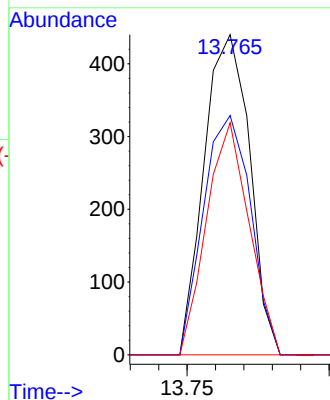
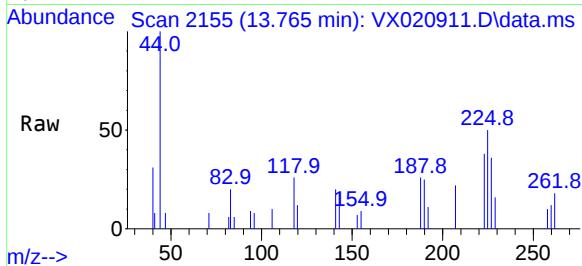




#90
Hexachlorobutadiene
Concen: 0.42 ug/l
RT: 13.765 min Scan# 2155
Delta R.T. -0.000 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:	225	Resp:	491
Ion	Ratio	Lower	Upper
225	100		
223	77.6	0.0	129.4
227	68.0	0.0	130.4



#92
1,2,3-Trichlorobenzene
Concen: 0.25 ug/l
RT: 14.000 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VX020911.D
Acq: 25 Feb 2021 14:08

Tgt Ion:	180	Resp:	729
Ion	Ratio	Lower	Upper
180	100		
182	84.4	0.0	192.4
145	24.3	0.0	66.4

