

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100421\
 Data File : VX024533.D
 Acq On : 04 Oct 2021 20:17
 Operator : JC/MD
 Sample : M3989-05 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Quant Time: Oct 05 03:23:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

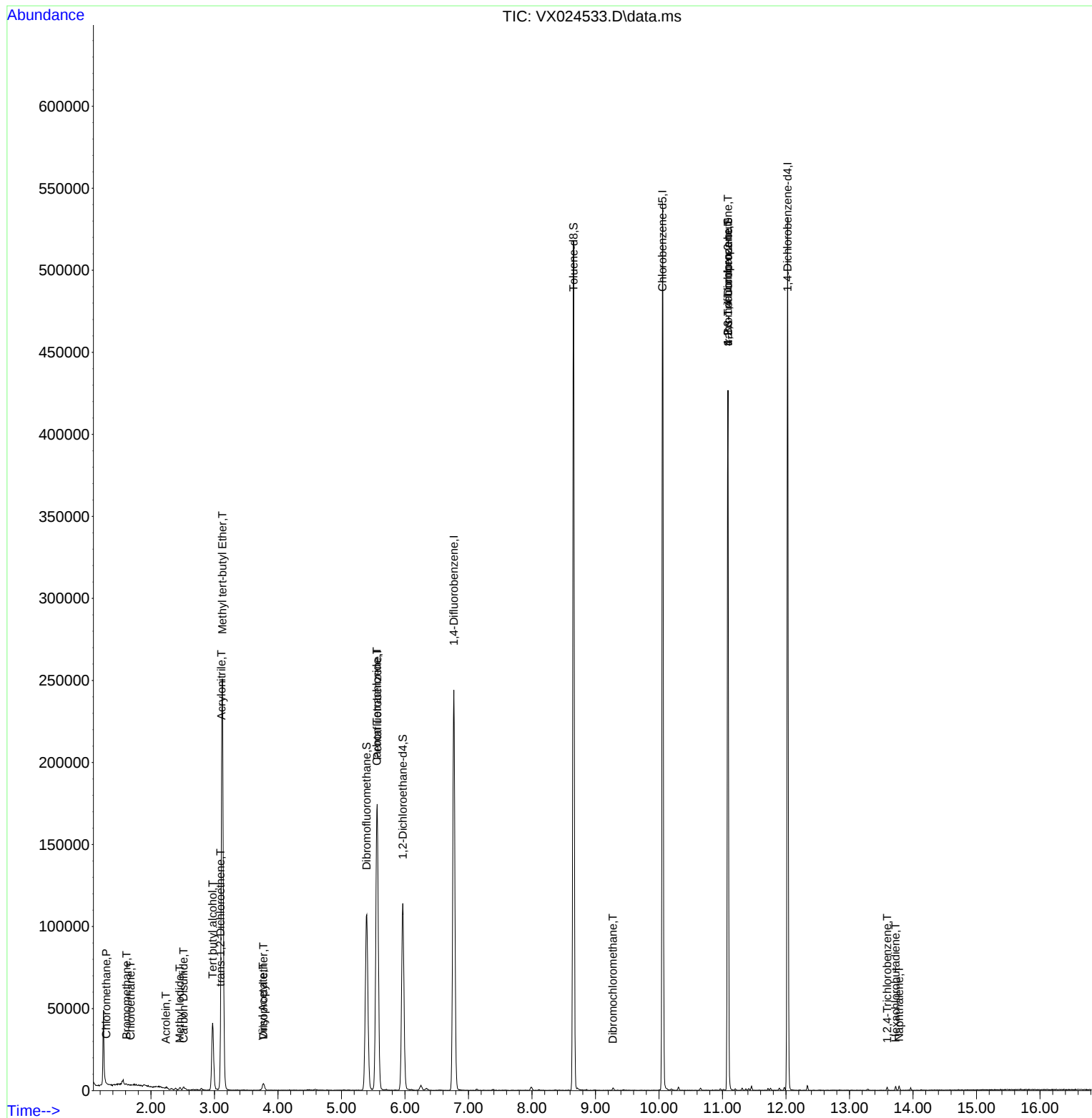
Internal Standards						
1) Pentafluorobenzene	5.562	168	164072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	241649	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	112936	48.839	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.680%
35) Dibromofluoromethane	5.397	113	93282	58.108	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	116.220%
50) Toluene-d8	8.653	98	295633	50.035	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.080%
62) 4-Bromofluorobenzene	11.085	95	109037	46.936	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.880%
Target Compounds						Qvalue
3) Chloromethane	1.295	50	429	0.276	ug/l #	82
5) Bromomethane	1.618	94	405	0.370	ug/l #	80
6) Chloroethane	1.679	64	440	0.662	ug/l #	80
10) Methyl Iodide	2.453	142	1527	0.674	ug/l #	93
11) Tert butyl alcohol	2.971	59	48241	81.357	ug/l	99
13) Acrolein	2.233	56	21	10.219	ug/l #	1
15) Acrylonitrile	3.111	53	3454	3.288	ug/l #	29
16) Acetone	2.386	43	846	Below Cal	#	86
17) Carbon Disulfide	2.514	76	2328	0.825	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	279254	49.267	ug/l	99
20) Methylene Chloride	2.794	84	460	Below Cal		91
21) trans-1,2-Dichloroethene	3.093	96	467	0.273	ug/l	91
22) Diisopropyl ether	3.770	45	4174	0.743	ug/l #	81
23) Vinyl Acetate	3.764	43	2711	0.596	ug/l #	68
38) Carbon Tetrachloride	5.556	117	16545	6.561	ug/l #	16
60) Dibromochloromethane	9.275	129	282	1.324	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	58952	24.780	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	58952	67.591	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.591	180	596	0.261	ug/l	94
94) Hexachlorobutadiene	13.725	225	476	0.456	ug/l	81
95) Naphthalene	13.780	128	1934	0.265	ug/l #	92

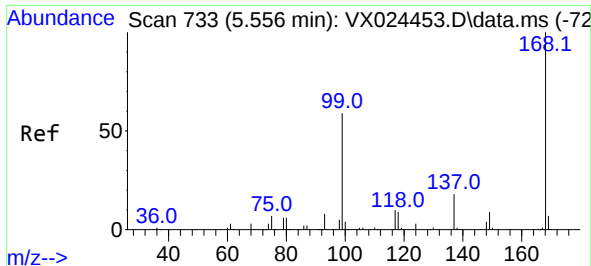
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
MW-7

Quant Time: Oct 05 03:23:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
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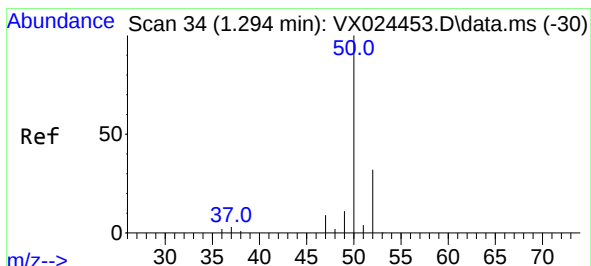
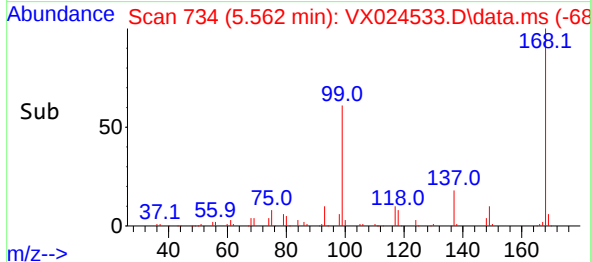
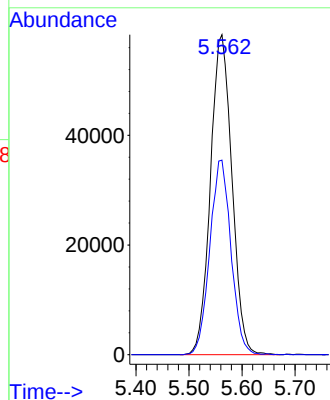
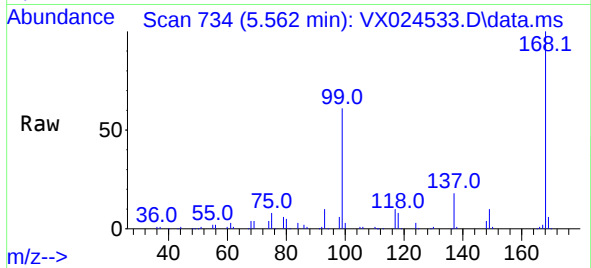




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

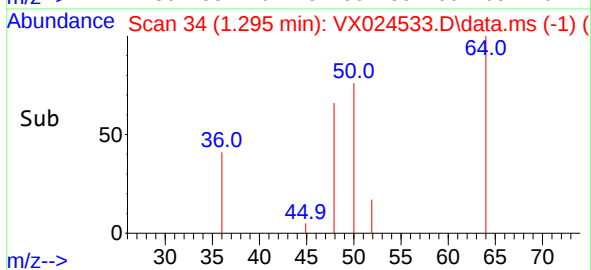
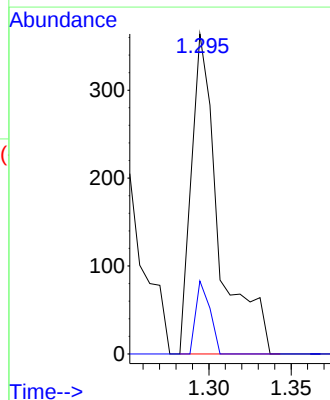
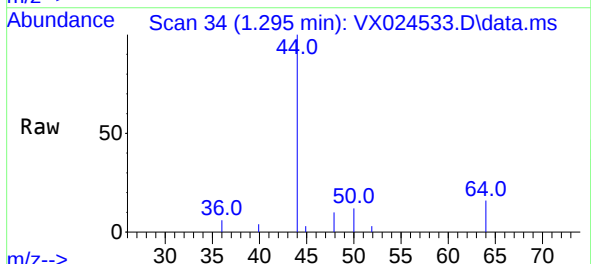
Instrument :
MSVOA_X
ClientSampleId :
MW-7

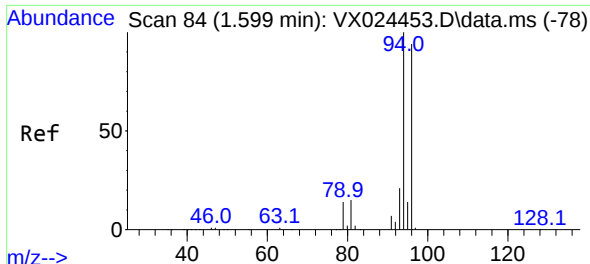
Tgt Ion:168 Resp: 164072
Ion Ratio Lower Upper
168 100
99 60.8 45.8 68.6



#3
Chloromethane
Concen: 0.276 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

Tgt Ion: 50 Resp: 429
Ion Ratio Lower Upper
50 100
52 22.8 26.4 39.6#

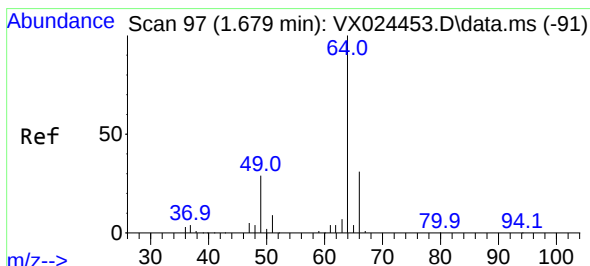
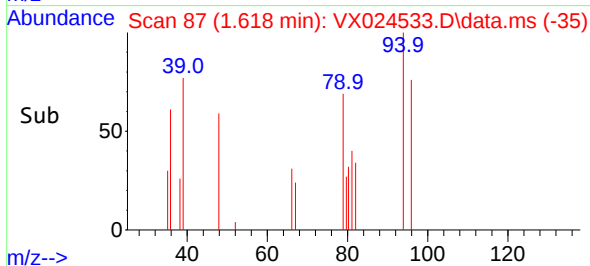
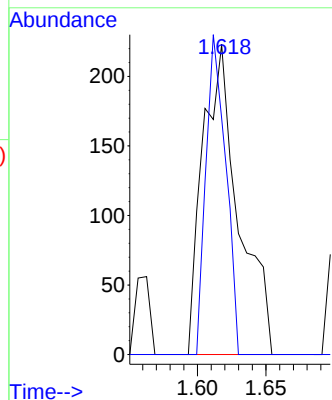
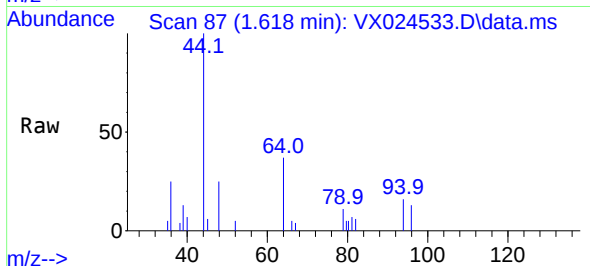




#5
Bromomethane
Concen: 0.370 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

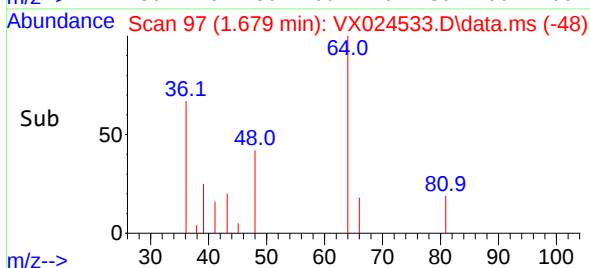
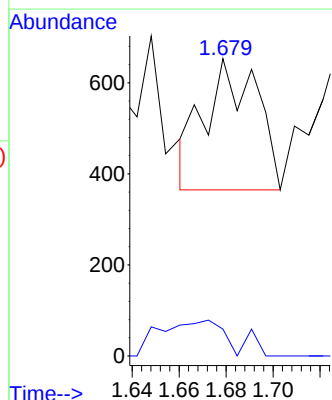
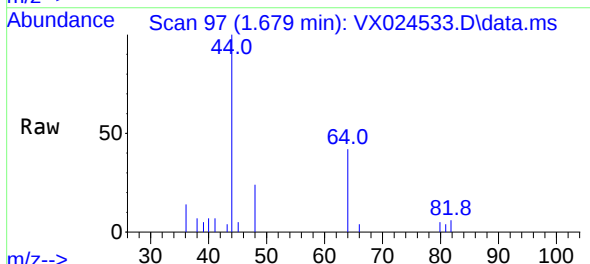
Instrument :
MSVOA_X
ClientSampled :
MW-7

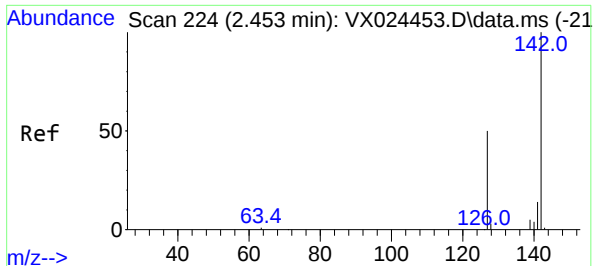
Tgt Ion: 94 Resp: 405
Ion Ratio Lower Upper
94 100
96 76.2 76.4 114.6#



#6
Chloroethane
Concen: 0.662 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

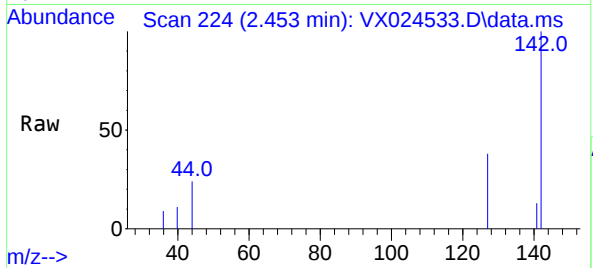
Tgt Ion: 64 Resp: 440
Ion Ratio Lower Upper
64 100
66 20.5 25.4 38.0#



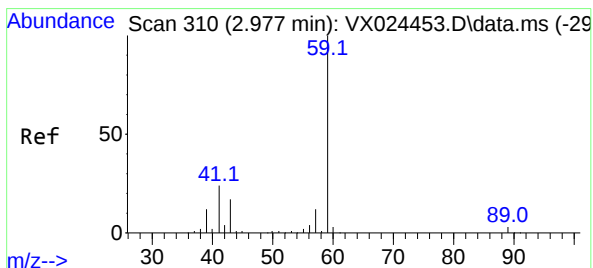
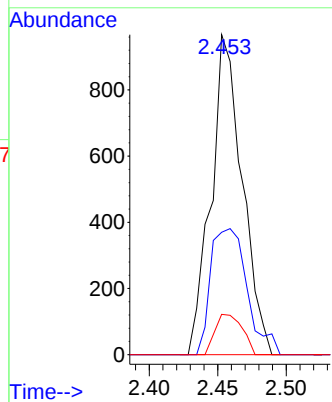
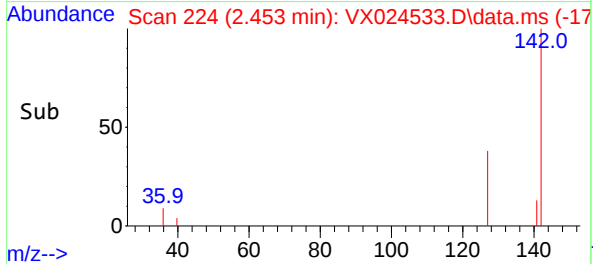


#10
Methyl Iodide
Concen: 0.674 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

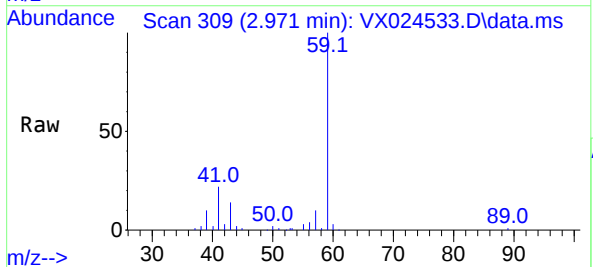
Instrument :
MSVOA_X
ClientSampleId :
MW-7



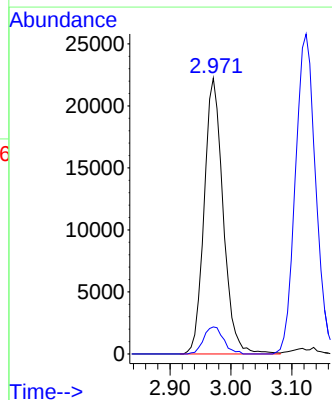
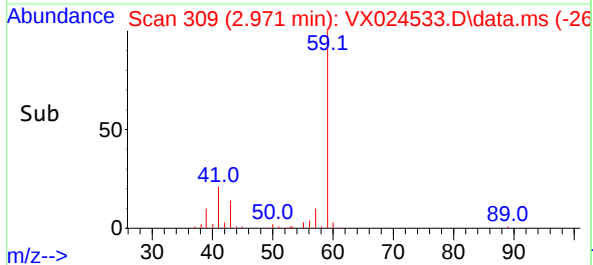
Tgt Ion:142 Resp: 1527
Ion Ratio Lower Upper
142 100
127 46.1 33.3 49.9
141 11.0 11.4 17.0#

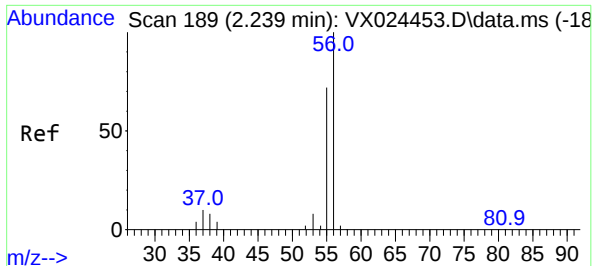


#11
Tert butyl alcohol
Concen: 81.357 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17



Tgt Ion: 59 Resp: 48241
Ion Ratio Lower Upper
59 100
57 10.3 7.8 11.8

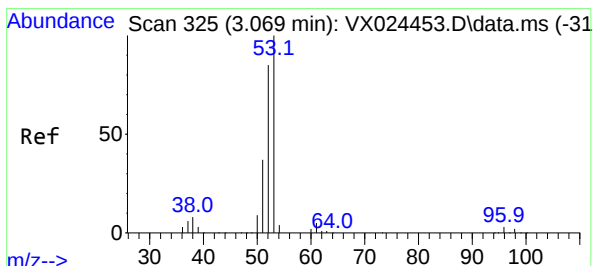
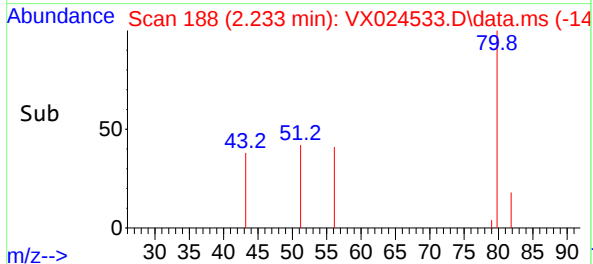
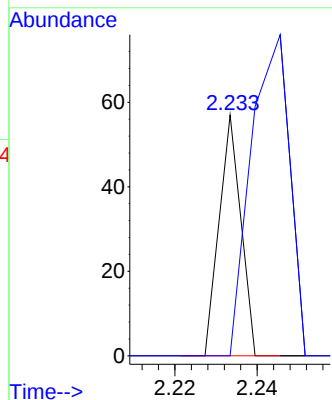
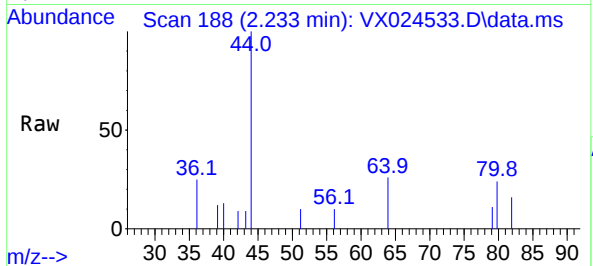




#13
Acrolein
Concen: 10.219 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

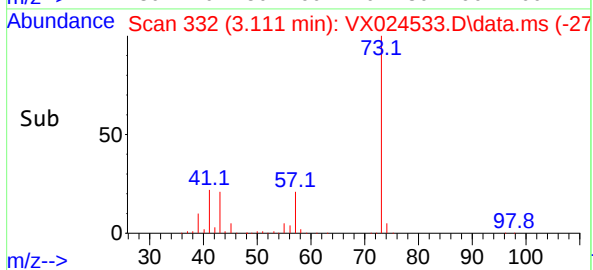
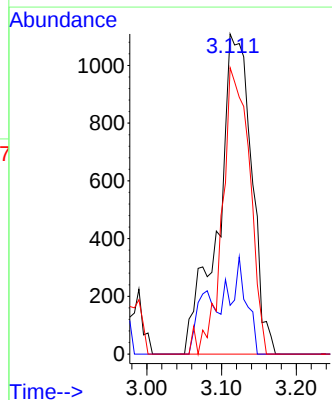
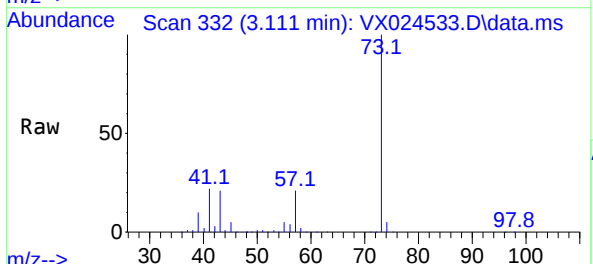
Instrument :
MSVOA_X
ClientSampled :
MW-7

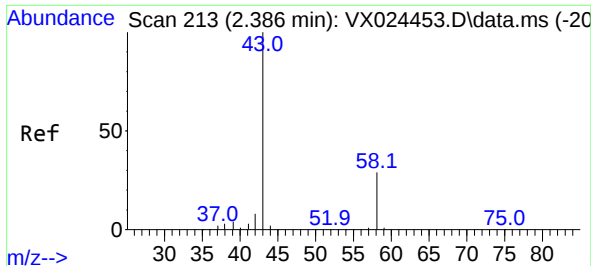
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 233.3 56.4 84.6#



#15
Acrylonitrile
Concen: 3.288 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.042 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

Tgt Ion: 53 Resp: 3454
Ion Ratio Lower Upper
53 100
52 15.3 65.3 97.9#
51 72.1 28.2 42.2#

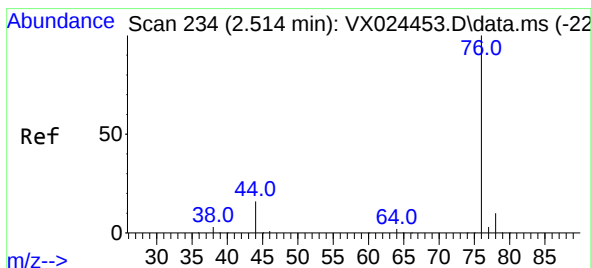
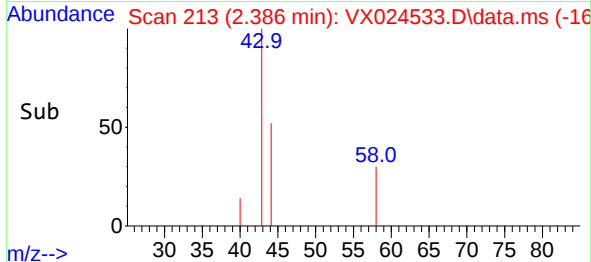
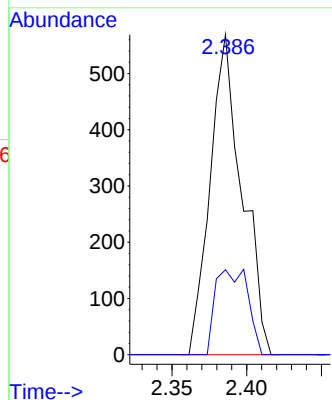
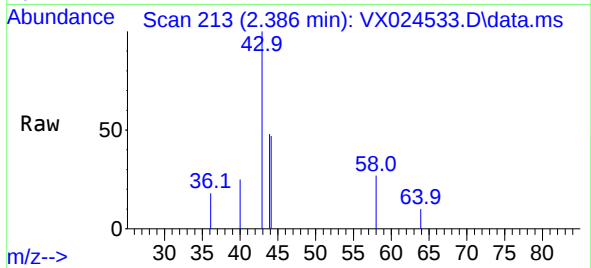




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

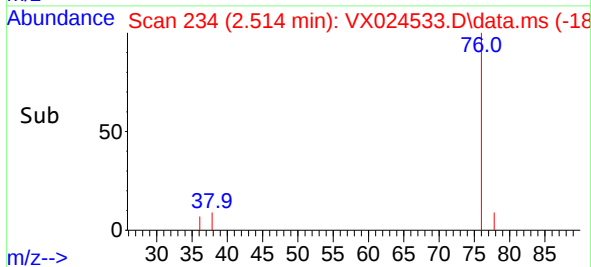
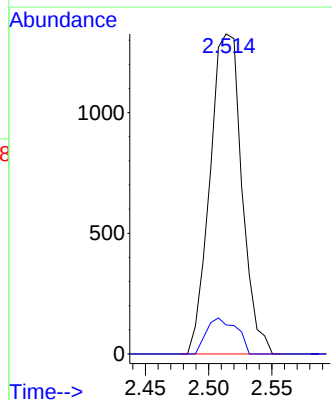
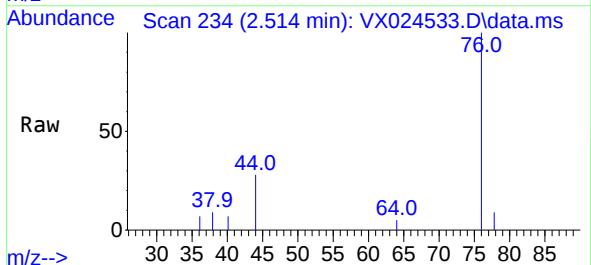
Instrument :
MSVOA_X
ClientSampleId :
MW-7

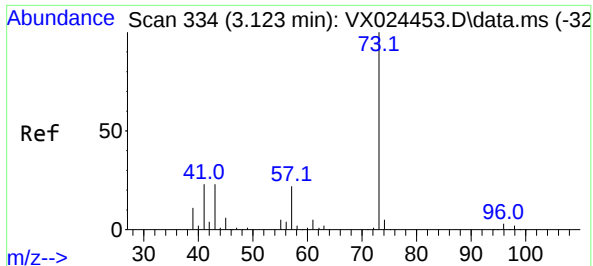
Tgt Ion: 43 Resp: 846
Ion Ratio Lower Upper
43 100
58 26.5 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.825 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

Tgt Ion: 76 Resp: 2328
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

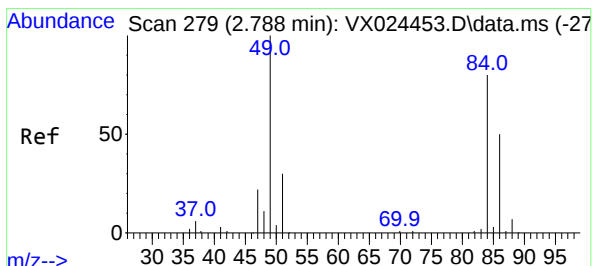
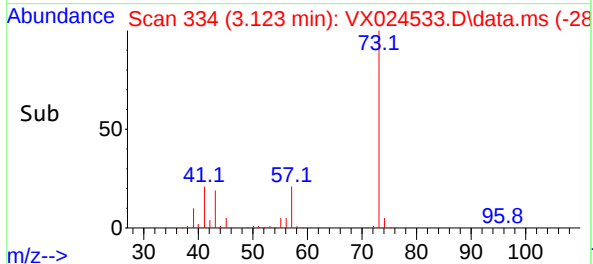
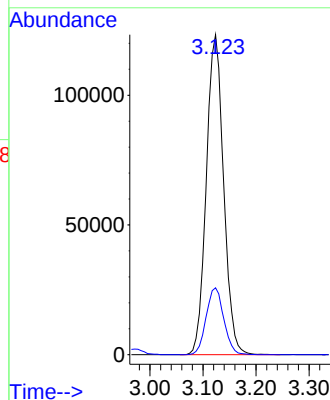
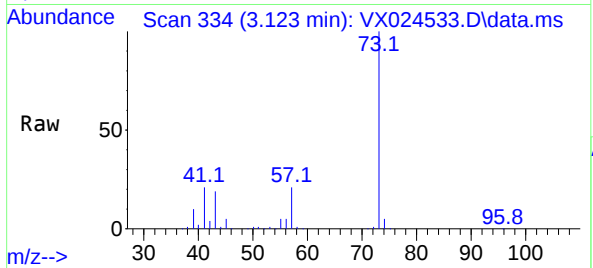




#19
Methyl tert-butyl Ether
Concen: 49.267 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

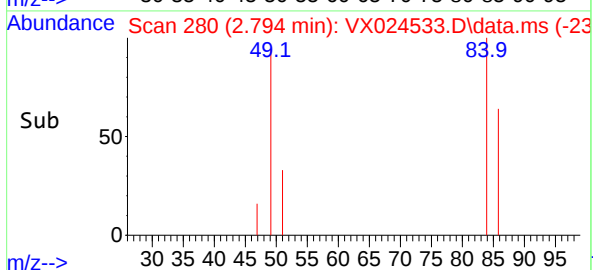
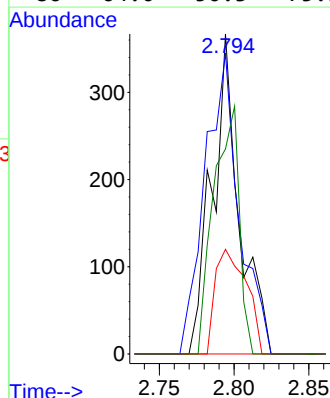
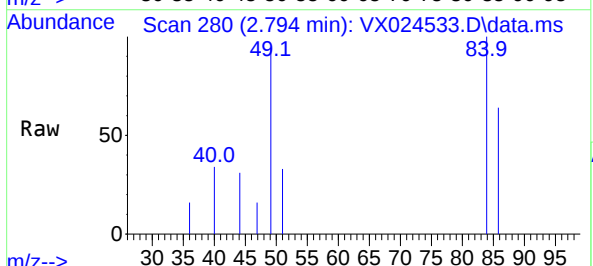
Instrument :
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MW-7

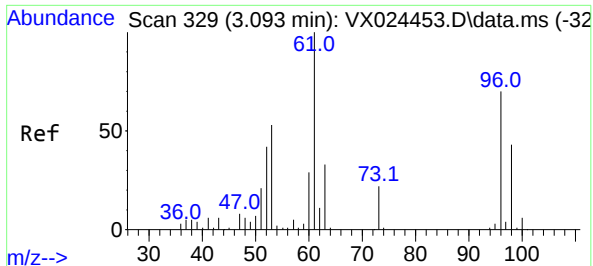
Tgt Ion: 73 Resp: 279254
Ion Ratio Lower Upper
73 100
57 20.9 17.1 25.7



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

Tgt Ion: 84 Resp: 460
Ion Ratio Lower Upper
84 100
49 94.0 88.6 132.8
51 32.7 27.0 40.6
86 64.0 50.3 75.5



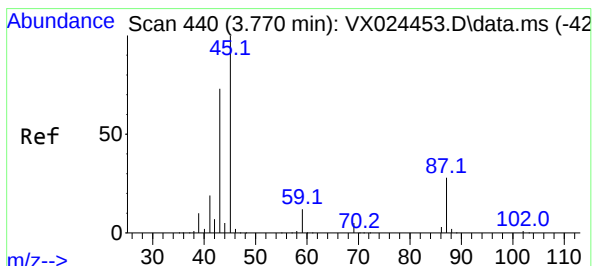
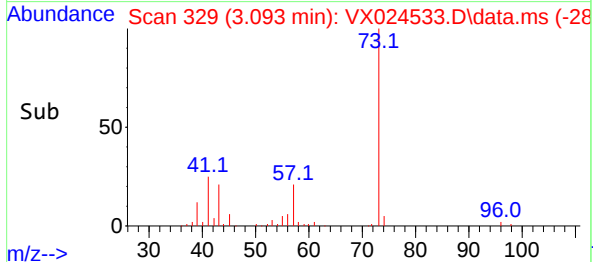
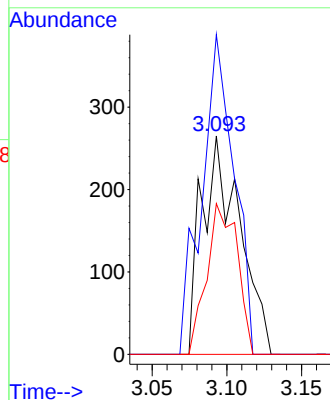
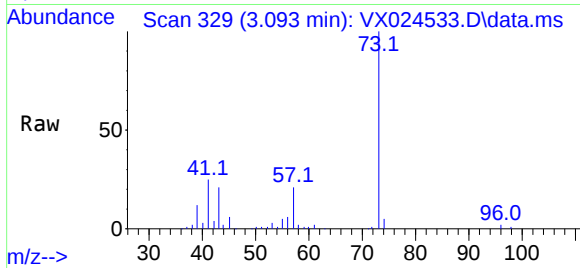


#21
trans-1,2-Dichloroethene
Concen: 0.273 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

Instrument :
MSVOA_X
ClientSampled :
MW-7

Tgt Ion: 96 Resp: 467

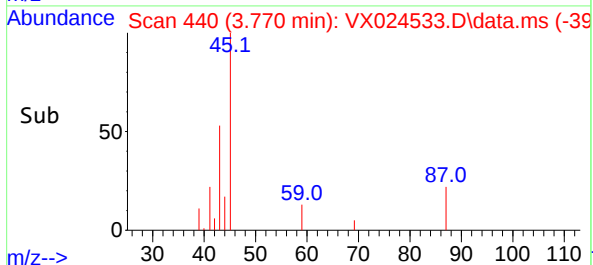
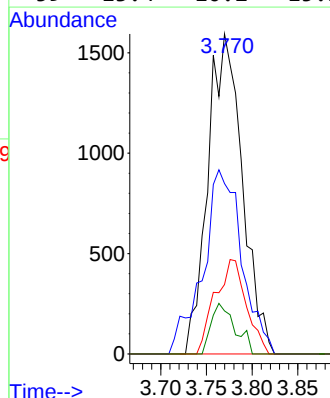
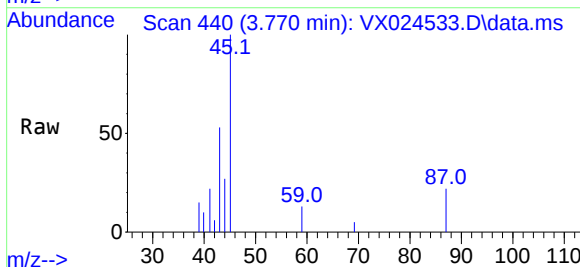
Ion	Ratio	Lower	Upper
96	100		
61	146.4	107.7	161.5
98	69.1	50.4	75.6

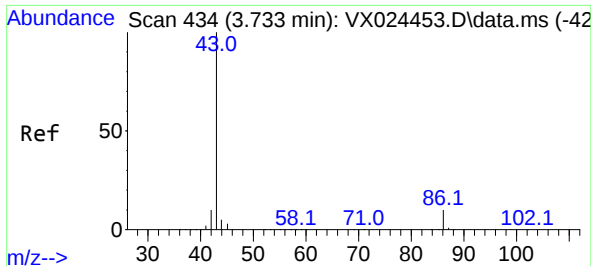


#22
Diisopropyl ether
Concen: 0.743 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

Tgt Ion: 45 Resp: 4174

Ion	Ratio	Lower	Upper
45	100		
43	53.3	58.0	87.0#
87	21.7	25.4	38.0#
59	13.4	10.2	15.2

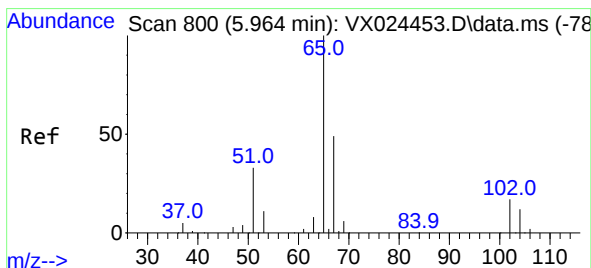
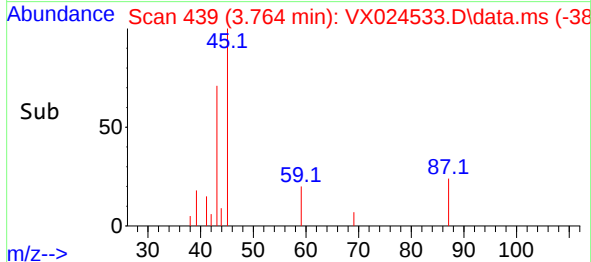
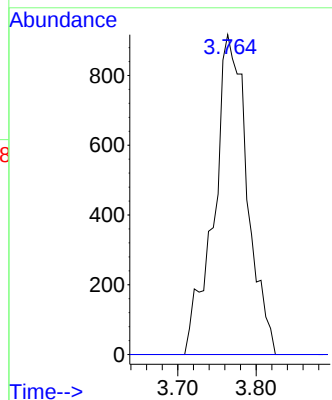
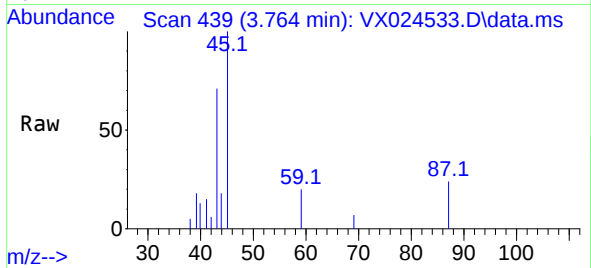




#23
Vinyl Acetate
Concen: 0.596 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.031 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

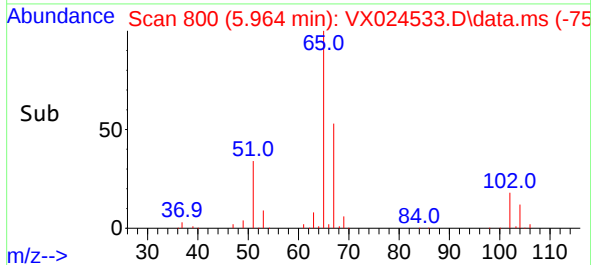
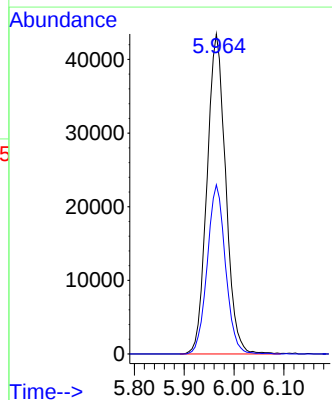
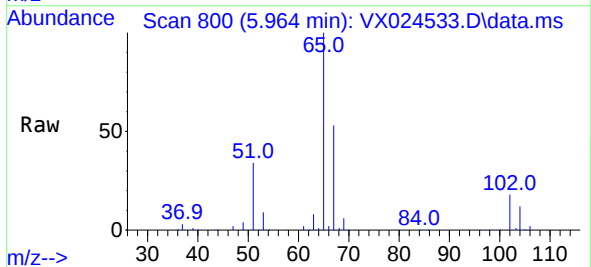
Instrument :
MSVOA_X
ClientSampled :
MW-7

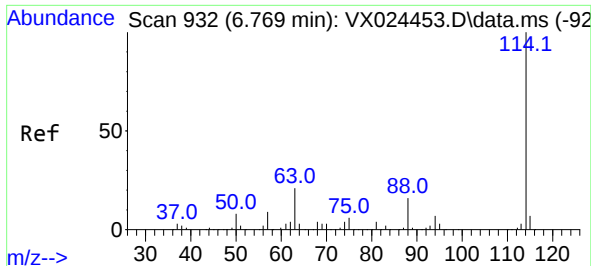
Tgt Ion: 43 Resp: 2711
Ion Ratio Lower Upper
43 100
86 0.0 9.9 14.9#



#33
1,2-Dichloroethane-d4
Concen: 48.839 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

Tgt Ion: 65 Resp: 112936
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.4

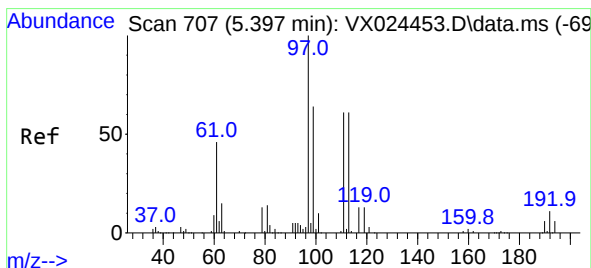
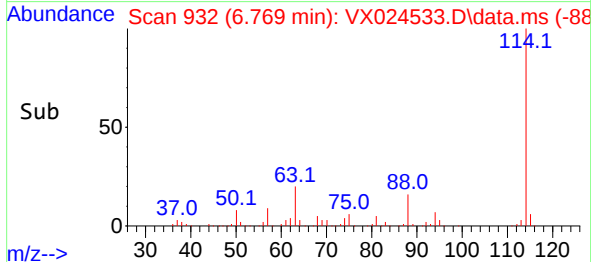
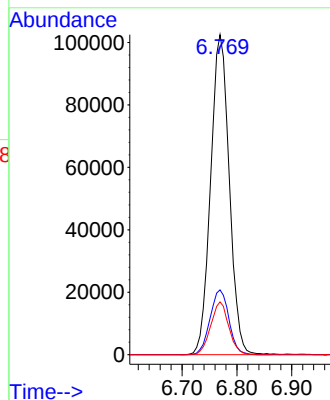
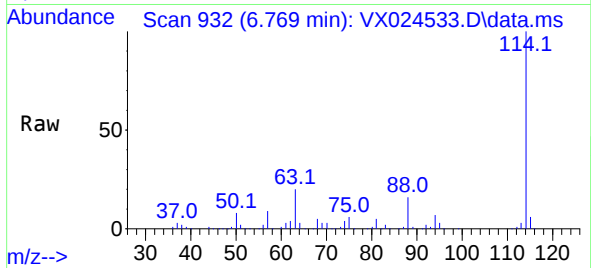




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

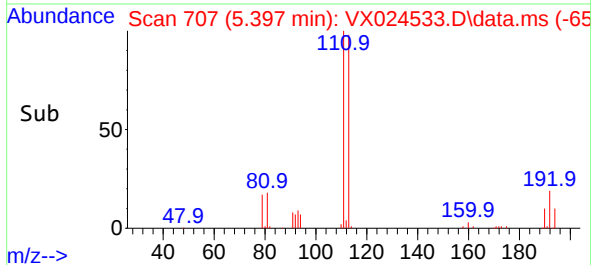
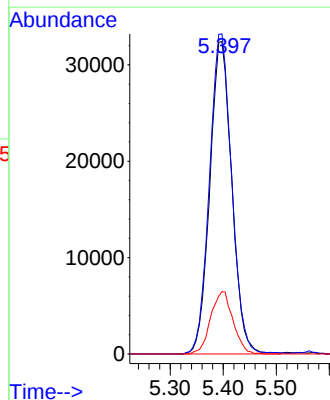
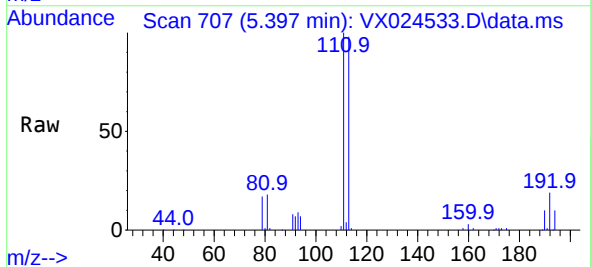
Instrument :
MSVOA_X
ClientSampled :
MW-7

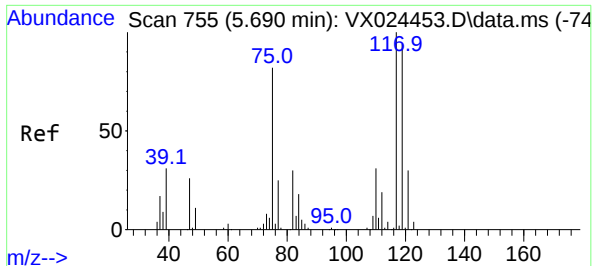
Tgt Ion:114 Resp: 241649
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 58.108 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

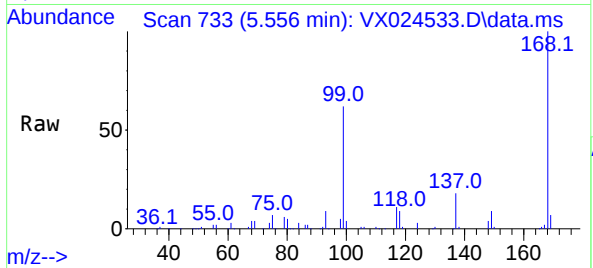
Tgt Ion:113 Resp: 93282
Ion Ratio Lower Upper
113 100
111 103.9 81.9 122.9
192 20.3 16.7 25.1



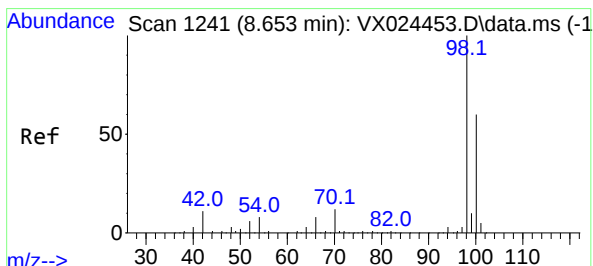
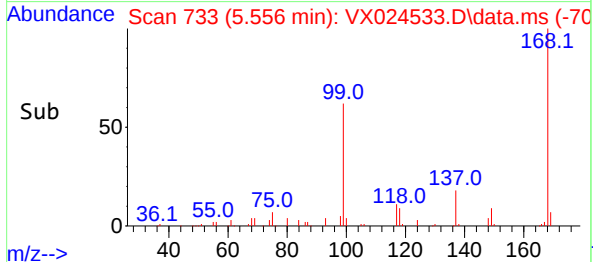
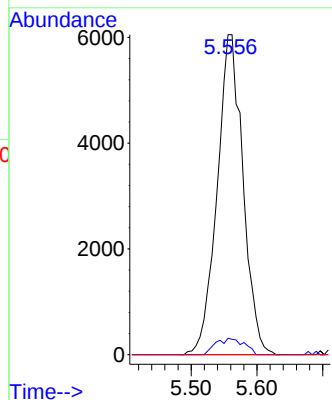


#38
Carbon Tetrachloride
Concen: 6.561 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

Instrument :
MSVOA_X
ClientSampled :
MW-7

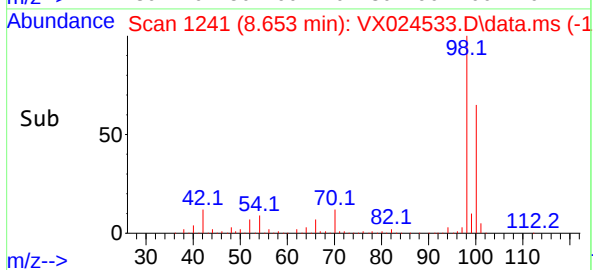
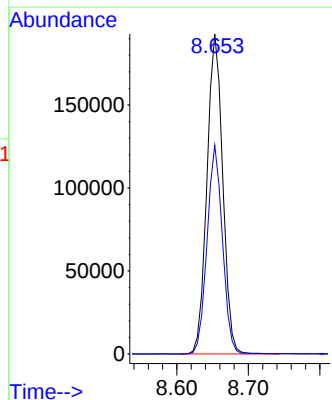
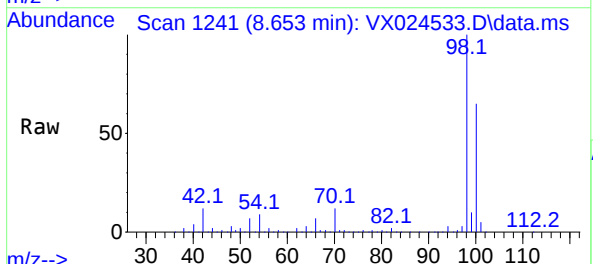


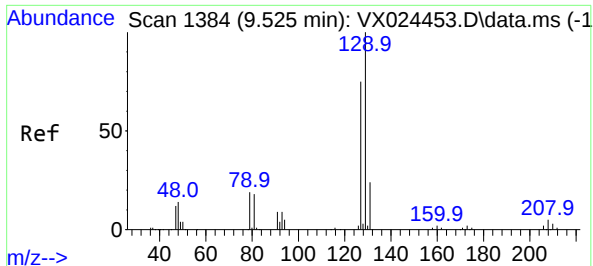
Tgt Ion:117 Resp: 16545
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.035 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

Tgt Ion: 98 Resp: 295633
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

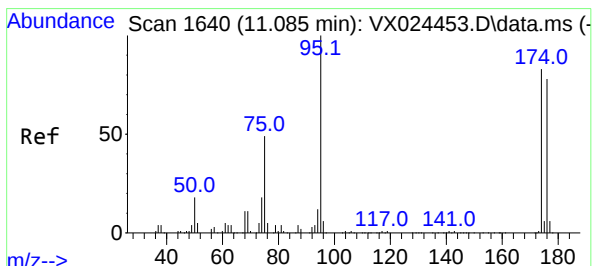
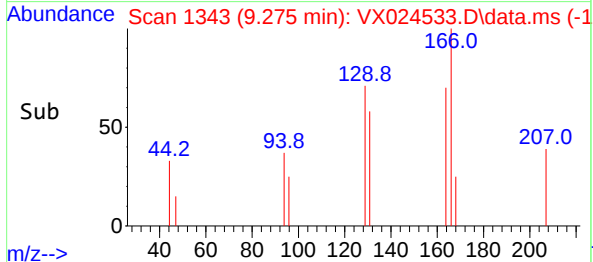
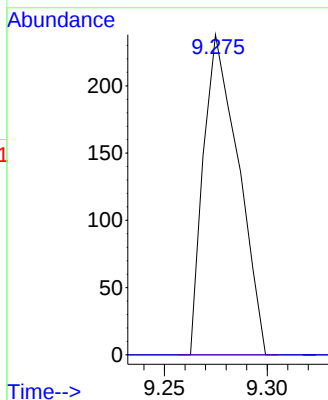
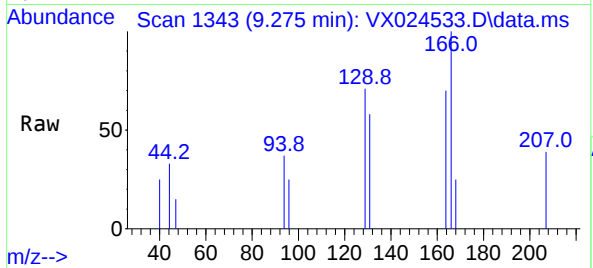




#60
Dibromochloromethane
Concen: 1.324 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

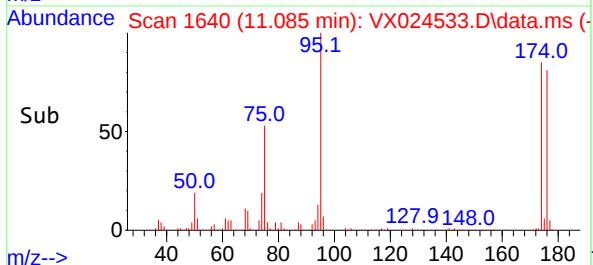
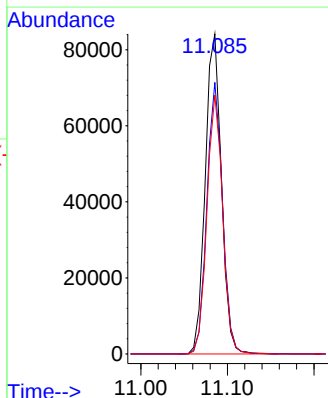
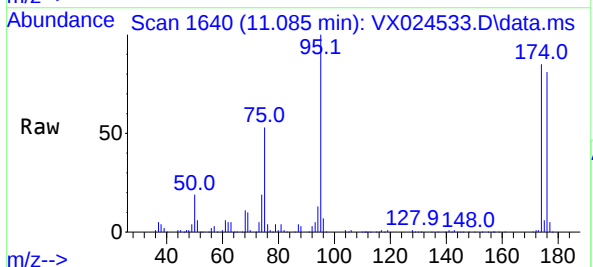
Instrument :
MSVOA_X
ClientSampleId :
MW-7

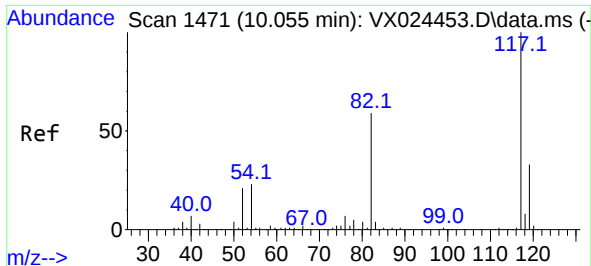
Tgt Ion:129 Resp: 282
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 46.936 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

Tgt Ion: 95 Resp: 109037
Ion Ratio Lower Upper
95 100
174 82.5 0.0 154.6
176 78.6 0.0 155.8

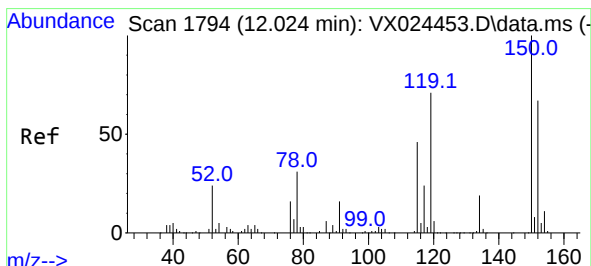
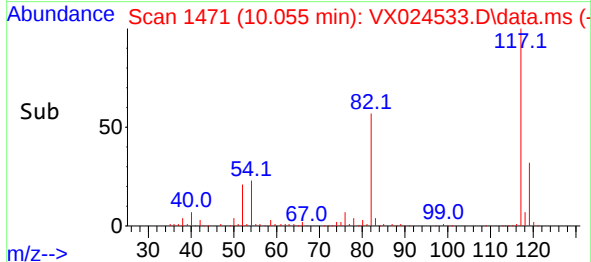
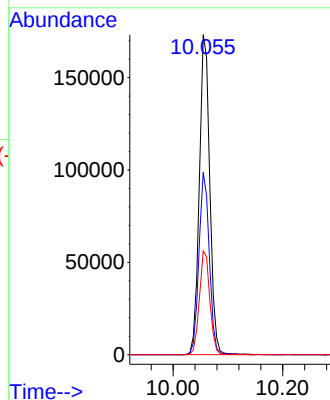
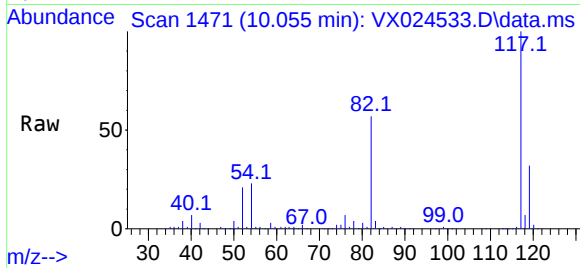




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

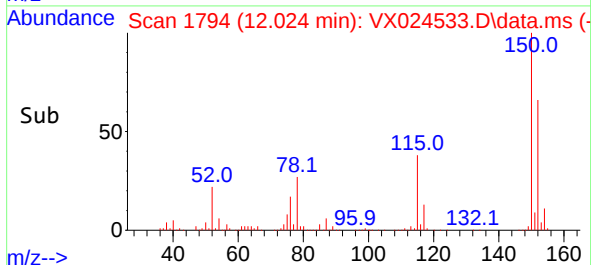
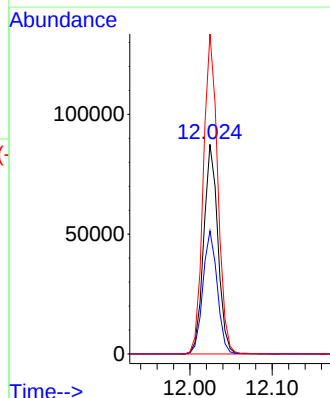
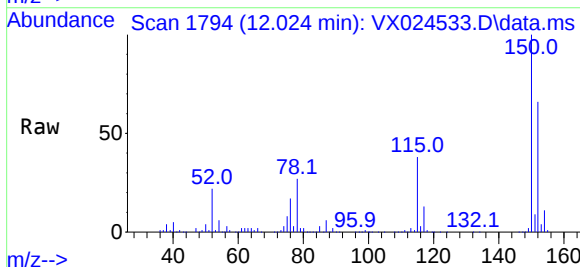
Instrument :
MSVOA_X
ClientSampled :
MW-7

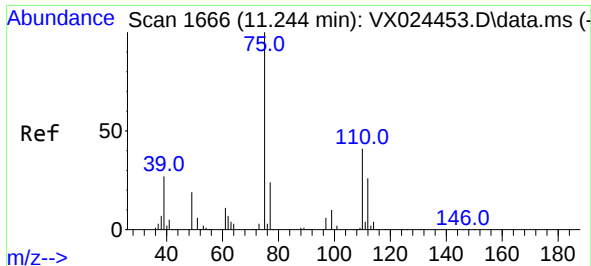
Tgt Ion:117 Resp: 230504
Ion Ratio Lower Upper
117 100
82 56.9 47.4 71.2
119 32.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

Tgt Ion:152 Resp: 104759
Ion Ratio Lower Upper
152 100
115 59.4 41.1 123.3
150 155.1 0.0 349.0

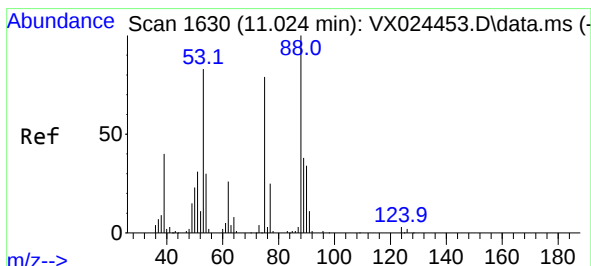
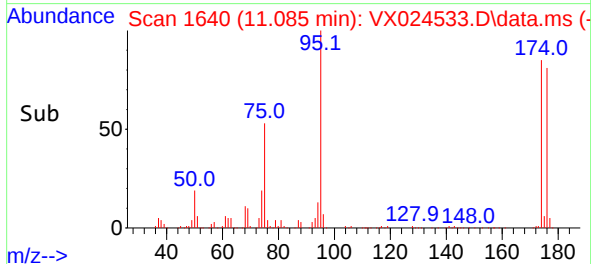
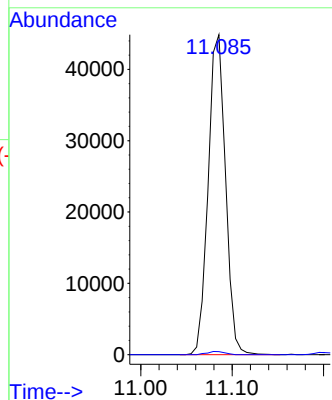
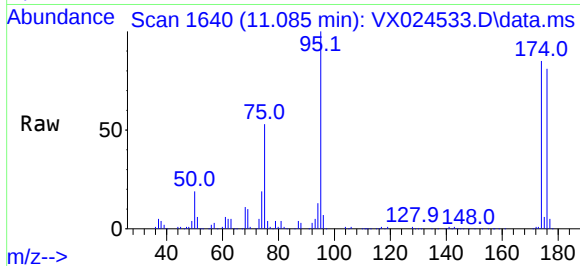




#76
1,2,3-Trichloropropane
Concen: 24.780 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

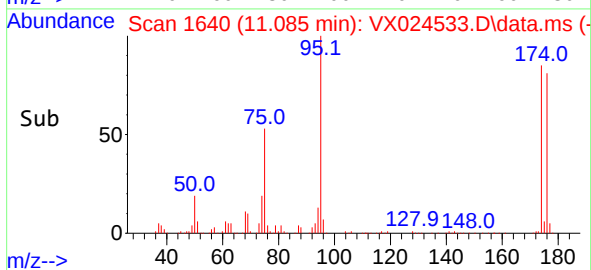
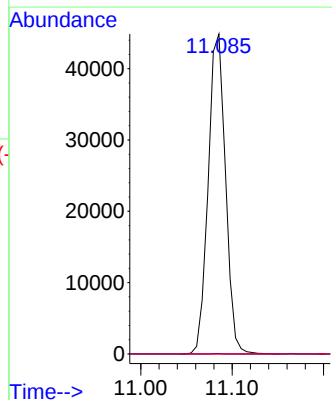
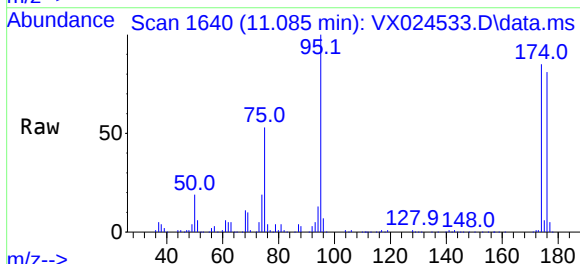
Instrument :
MSVOA_X
ClientSampled :
MW-7

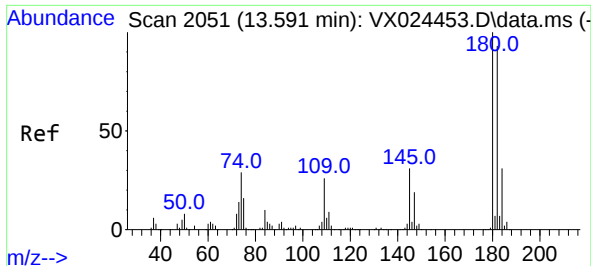
Tgt Ion: 75 Resp: 58952
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.591 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

Tgt Ion: 75 Resp: 58952
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

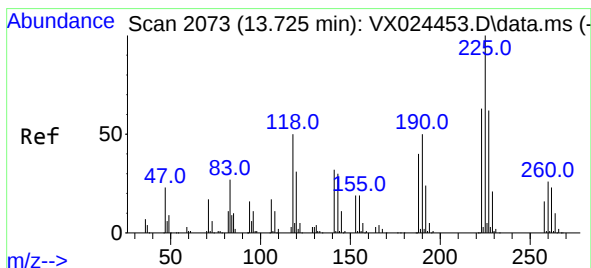
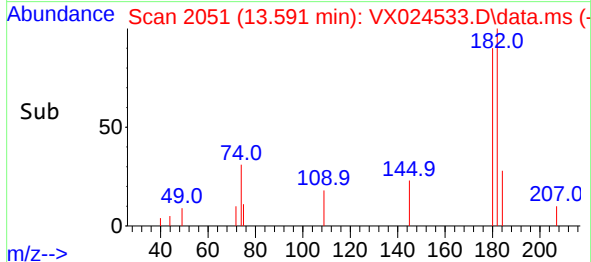
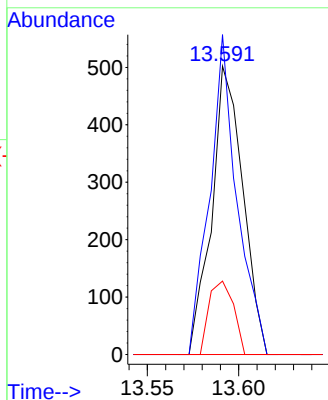
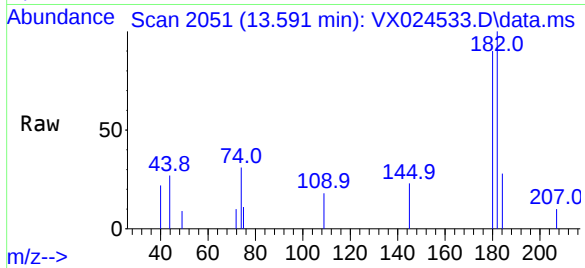




#93
1,2,4-Trichlorobenzene
Concen: 0.261 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

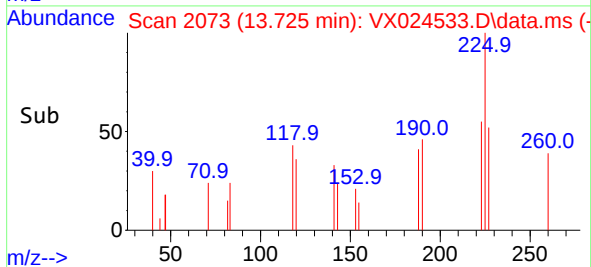
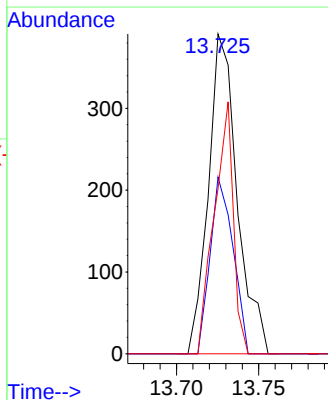
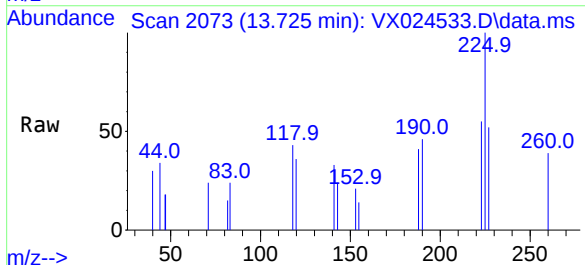
Instrument :
MSVOA_X
ClientSampled :
MW-7

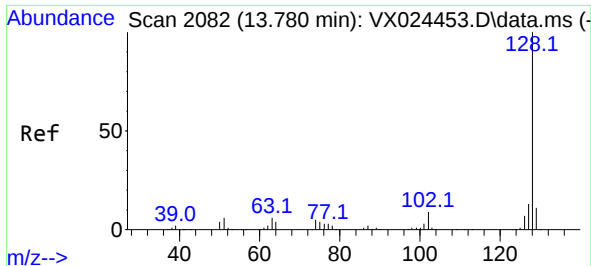
Tgt Ion:	180	Resp:	596
Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.7	143.1
145	20.1	15.0	45.0



#94
Hexachlorobutadiene
Concen: 0.456 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

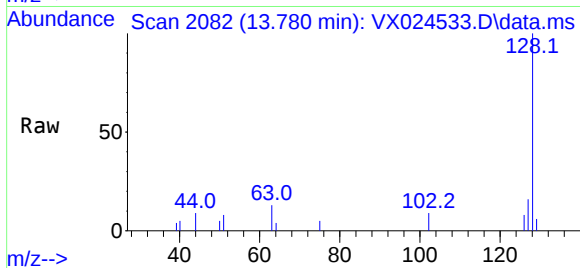
Tgt Ion:	225	Resp:	476
Ion	Ratio	Lower	Upper
225	100		
223	43.9	31.1	93.2
227	52.3	31.6	95.0





#95
Naphthalene
Concen: 0.265 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024533.D
Acq: 04 Oct 2021 20:17

Instrument :
MSVOA_X
ClientSampleId :
MW-7



Tgt Ion:128 Resp: 1934
Ion Ratio Lower Upper
128 100
127 15.8 10.3 15.5#
129 7.5 8.8 13.2#

