

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
 Data File : VX024594.D
 Acq On : 06 Oct 2021 01:25
 Operator : JC/MD
 Sample : M4028-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-4

Quant Time: Oct 06 06:53:07 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)

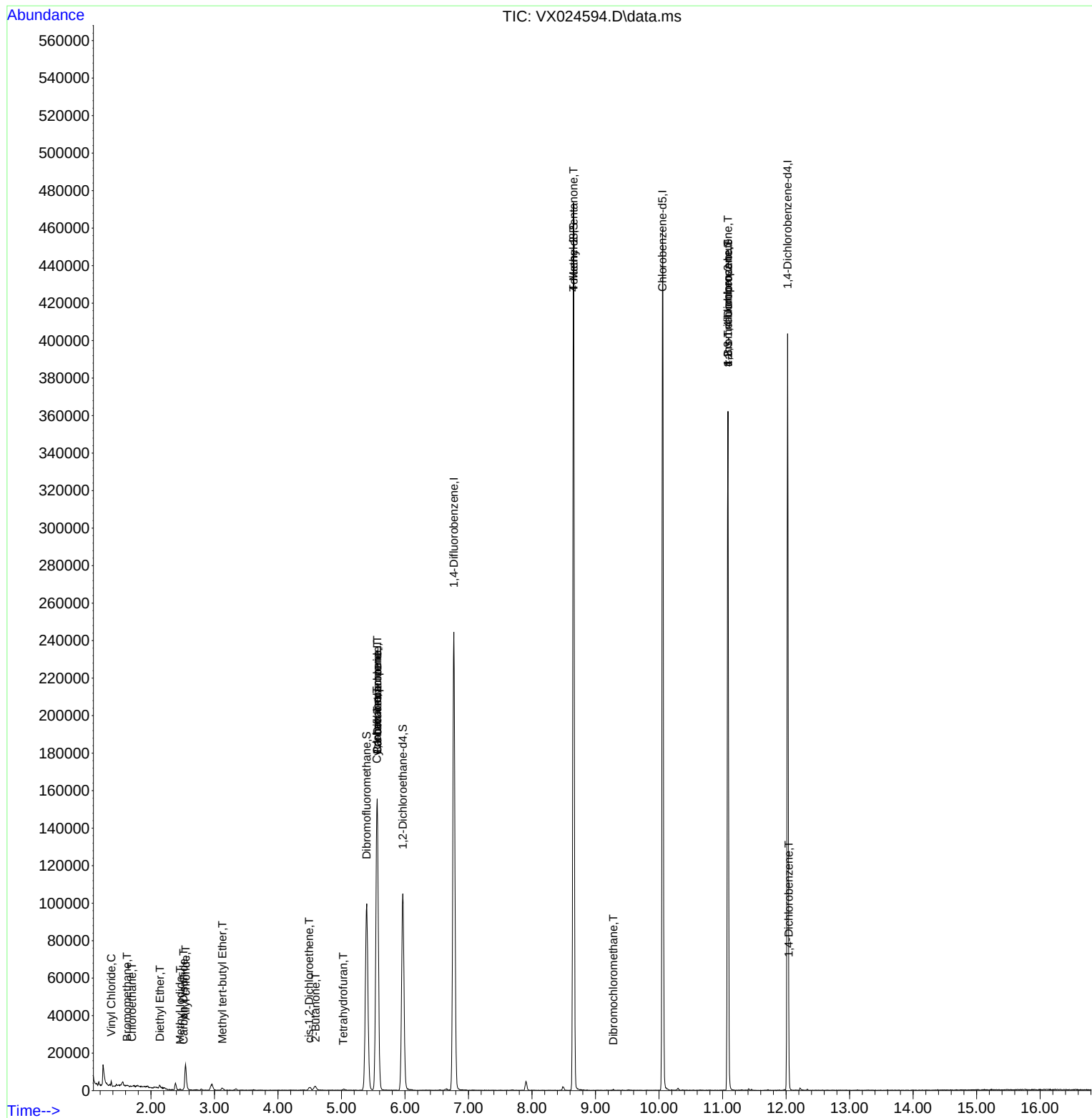
Internal Standards						
1) Pentafluorobenzene	5.562	168	144894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	240102	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	104755	51.298	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.600%
35) Dibromofluoromethane	5.397	113	85856	53.826	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.660%
50) Toluene-d8	8.653	98	265044	45.147	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.300%#
62) 4-Bromofluorobenzene	11.085	95	92701	40.161	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	80.320%#
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.373	62	1270	0.883	ug/l #	83
5) Bromomethane	1.623	94	306	0.316	ug/l	84
6) Chloroethane	1.703	64	146	0.410	ug/l #	43
8) Diethyl Ether	2.142	74	444	0.514	ug/l	82
10) Methyl Iodide	2.459	142	402	0.201	ug/l #	90
11) Tert butyl alcohol	2.958	59	3064	Below Cal	#	76
14) Allyl chloride	2.544	41	1440	0.593	ug/l #	63
16) Acetone	2.385	43	3893	Below Cal		92
17) Carbon Disulfide	2.513	76	462	0.362	ug/l #	78
19) Methyl tert-butyl Ether	3.123	73	1315	0.263	ug/l #	90
20) Methylene Chloride	2.800	84	186	Below Cal	#	60
25) 2-Butanone	4.592	43	344	0.245	ug/l #	45
27) cis-1,2-Dichloroethene	4.489	96	1164	0.660	ug/l #	1
29) Tetrahydrofuran	5.025	42	390	0.435	ug/l #	71
31) Cyclohexane	5.556	56	3156	1.291	ug/l #	33
36) 1,1-Dichloropropene	5.562	75	11267	4.895	ug/l #	48
38) Carbon Tetrachloride	5.562	117	14777	5.898	ug/l #	19
51) 4-Methyl-2-Pentanone	8.653	43	1176	0.408	ug/l #	1
60) Dibromochloromethane	9.281	129	83	1.228	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	49977	27.115	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	49977	73.778	ug/l #	12
88) 1,4-Dichlorobenzene	12.042	146	796	0.274	ug/l #	1

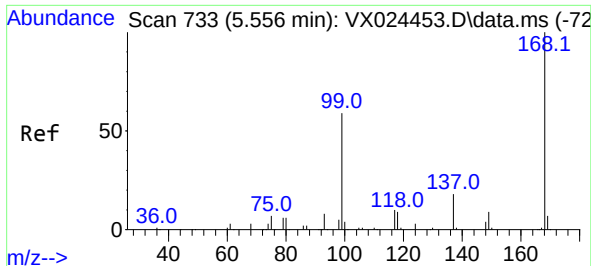
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
GW-4

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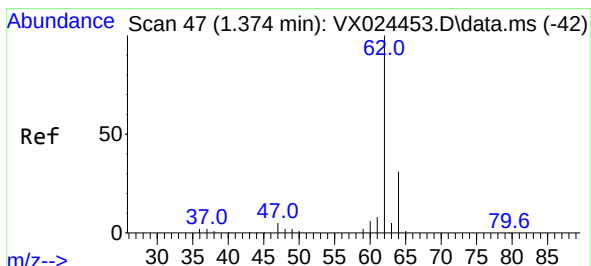
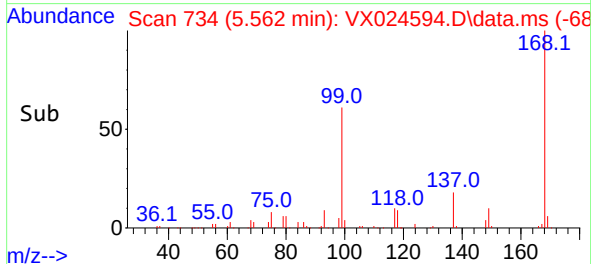
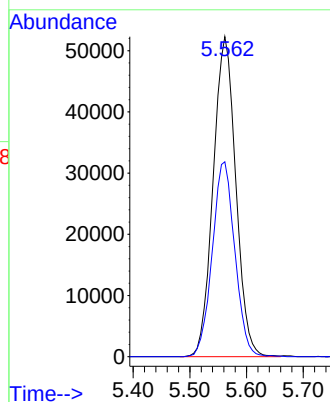
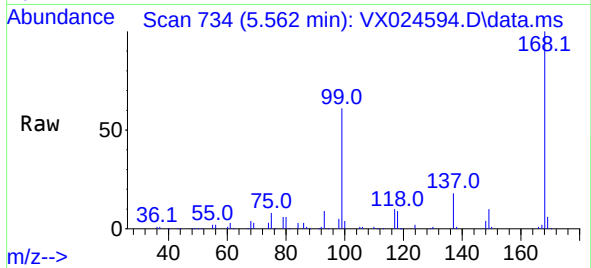




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

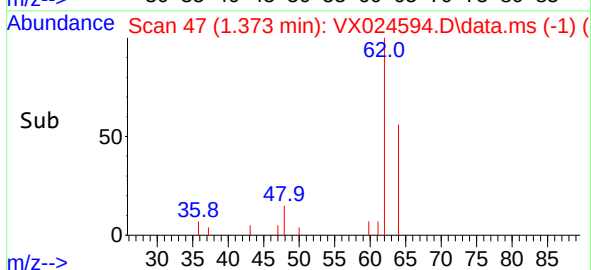
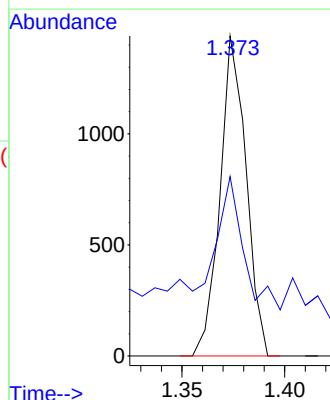
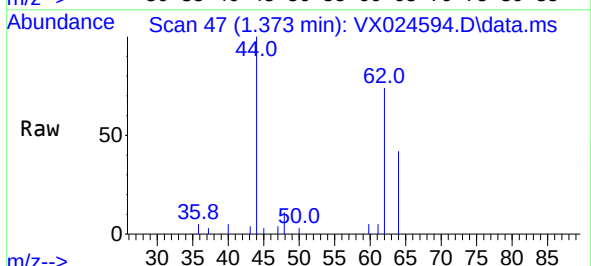
Instrument :
MSVOA_X
ClientSampled :
GW-4

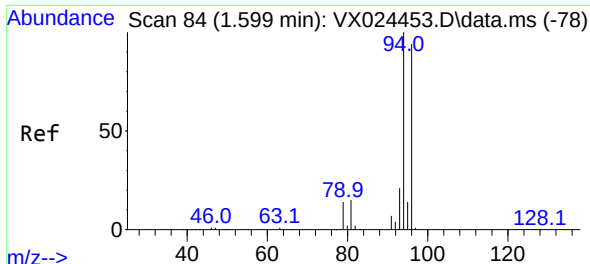
Tgt Ion:168 Resp: 144894
Ion Ratio Lower Upper
168 100
99 60.9 45.8 68.6



#4
Vinyl Chloride
Concen: 0.883 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.001 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

Tgt Ion: 62 Resp: 1270
Ion Ratio Lower Upper
62 100
64 41.6 25.7 38.5#

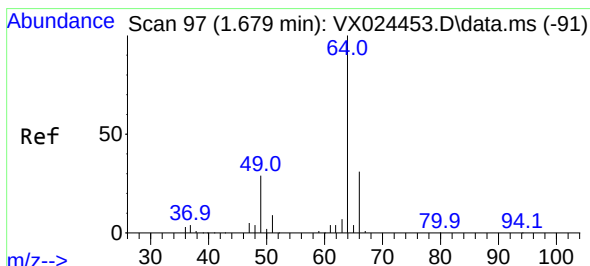
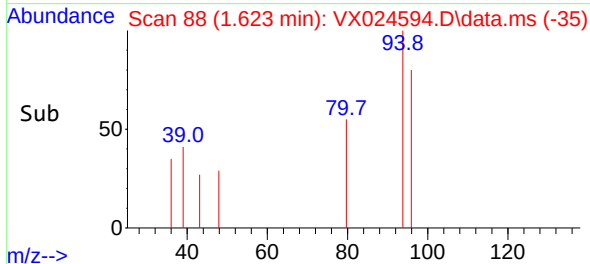
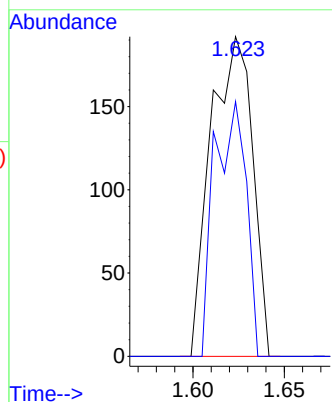
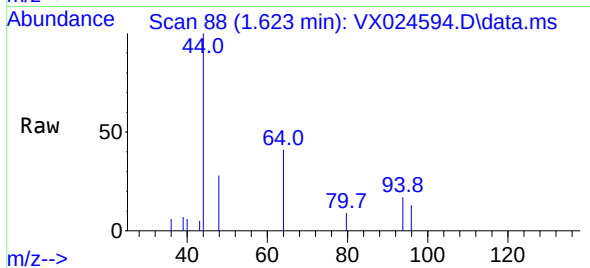




#5
Bromomethane
Concen: 0.316 ug/l
RT: 1.623 min Scan# 88
Delta R.T. 0.024 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

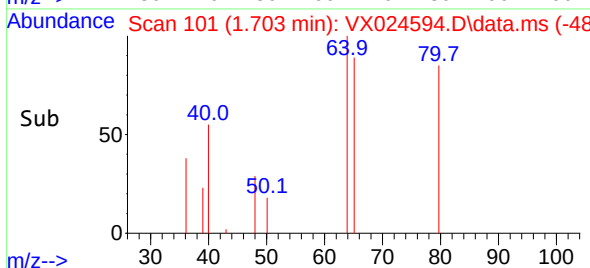
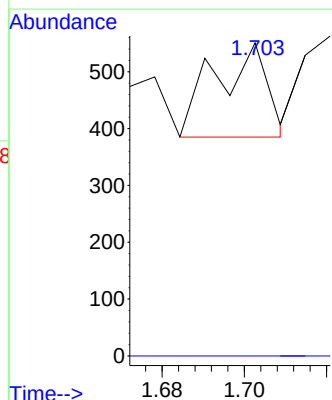
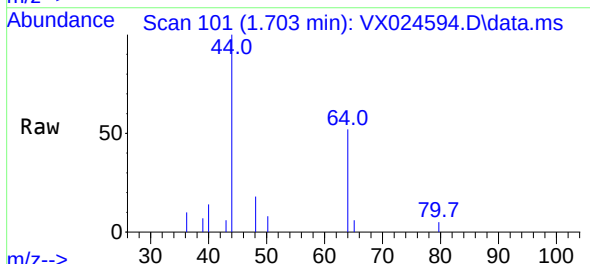
Instrument :
MSVOA_X
ClientSampled :
GW-4

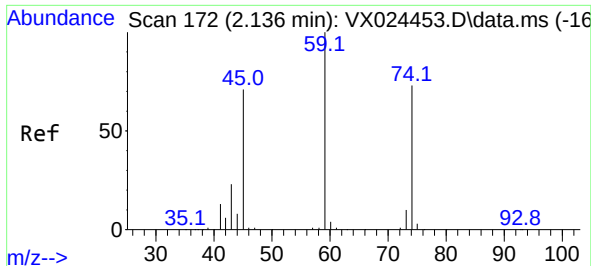
Tgt Ion: 94 Resp: 306
Ion Ratio Lower Upper
94 100
96 79.7 76.4 114.6



#6
Chloroethane
Concen: 0.410 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.024 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

Tgt Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

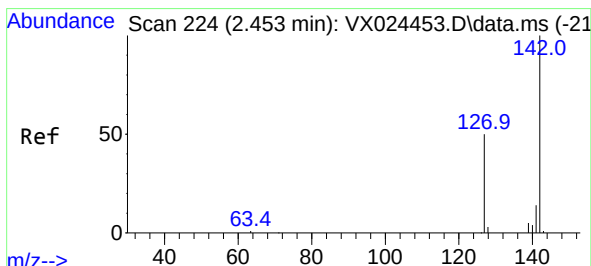
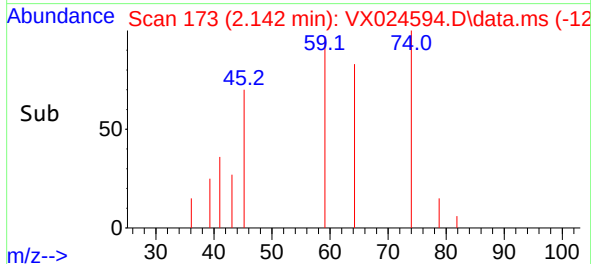
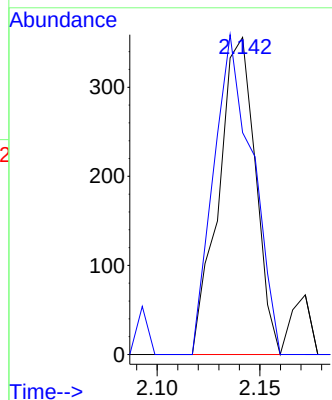
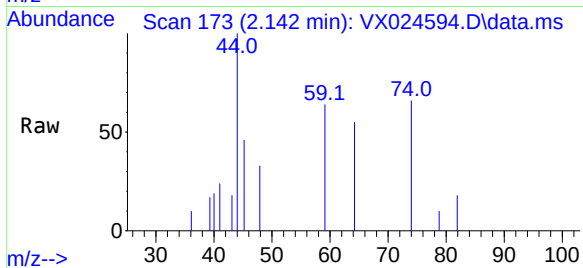




#8
Diethyl Ether
Concen: 0.514 ug/l
RT: 2.142 min Scan# 173
Delta R.T. 0.006 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

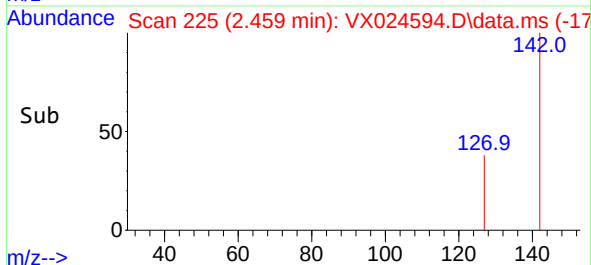
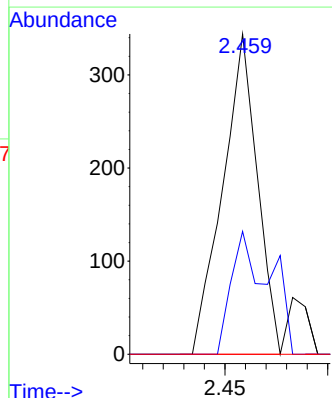
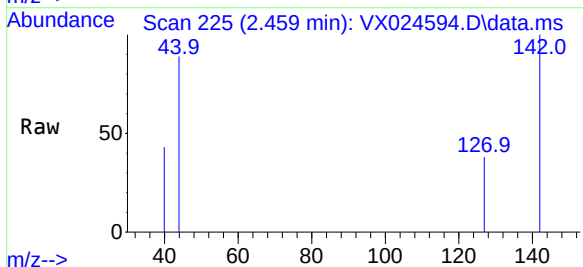
Instrument :
MSVOA_X
ClientSampled :
GW-4

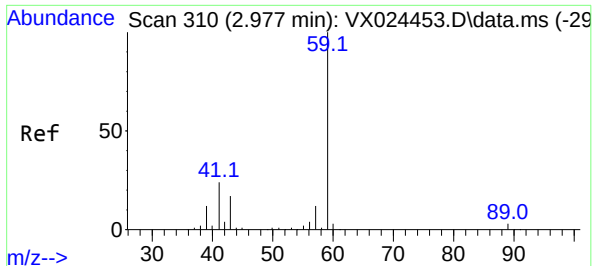
Tgt Ion: 74 Resp: 444
Ion Ratio Lower Upper
74 100
45 106.3 44.5 133.5



#10
Methyl Iodide
Concen: 0.201 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

Tgt Ion: 142 Resp: 402
Ion Ratio Lower Upper
142 100
127 42.3 33.3 49.9
141 0.0 11.4 17.0#



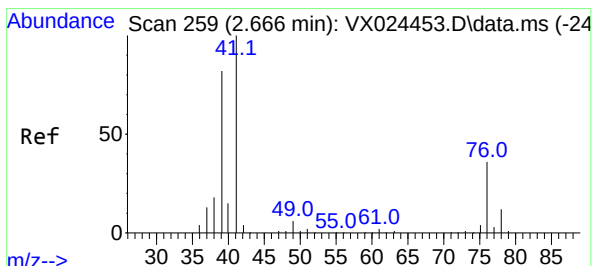
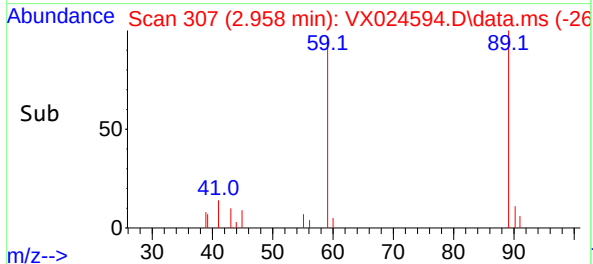
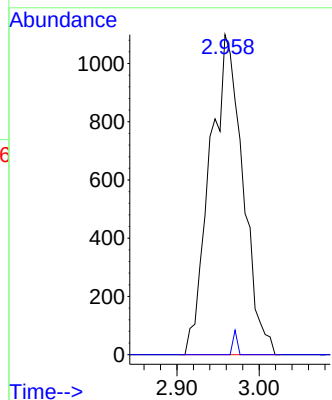
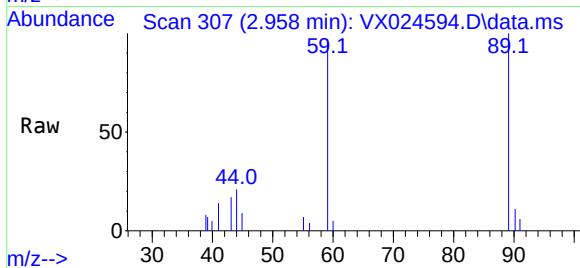


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.958 min Scan# 307
Delta R.T. -0.019 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

Instrument :
MSVOA_X
ClientSampled :
GW-4

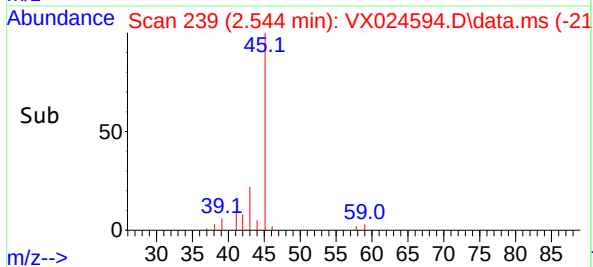
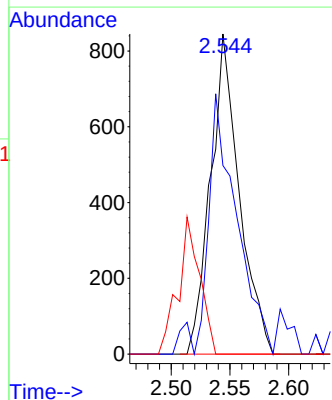
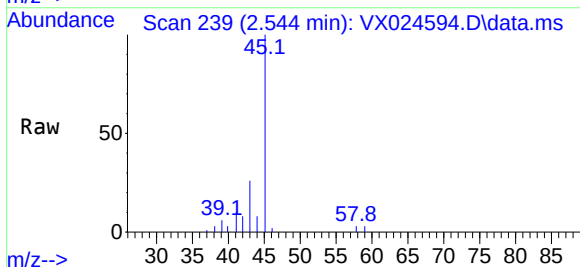
Tgt Ion: 59 Resp: 3064
Ion Ratio Lower Upper
59 100
57 1.0 7.8 11.8#

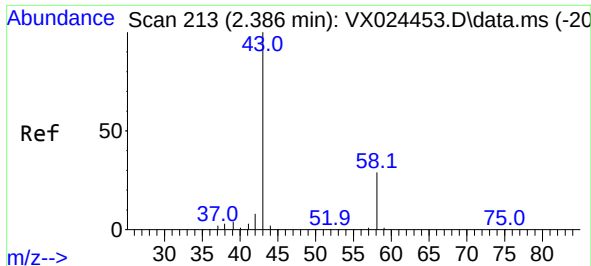


#14

Allyl chloride
Concen: 0.593 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.122 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

Tgt Ion: 41 Resp: 1440
Ion Ratio Lower Upper
41 100
39 81.5 51.6 77.4#
76 0.0 30.5 45.7#

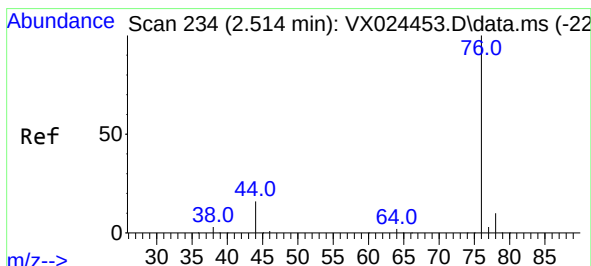
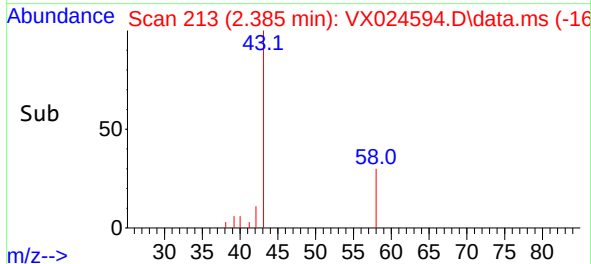
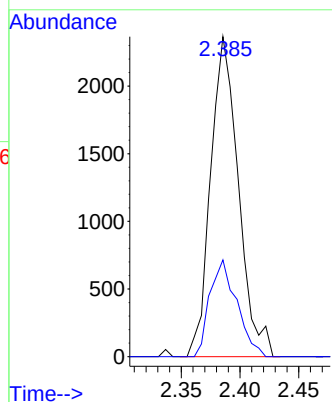
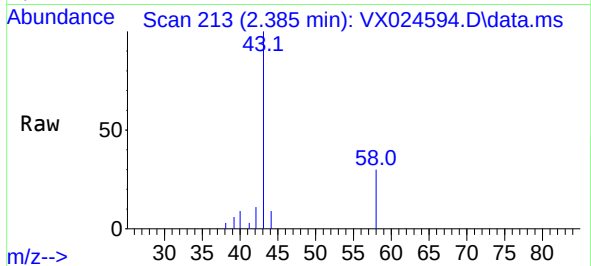




#16
Acetone
Concen: Below Cal
RT: 2.385 min Scan# 213
Delta R.T. -0.001 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

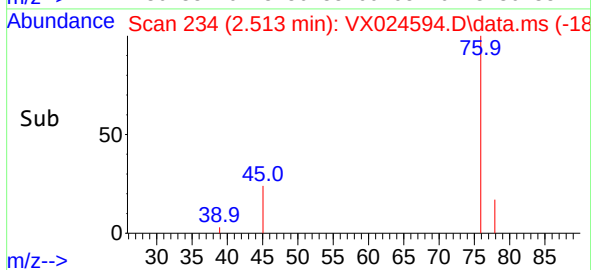
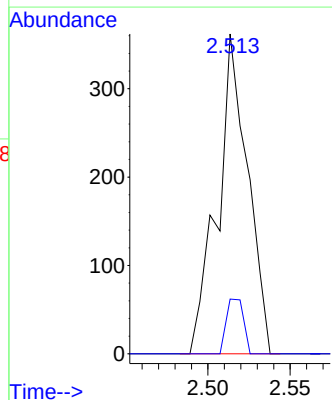
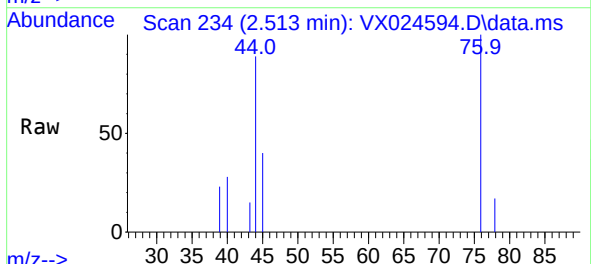
Instrument :
MSVOA_X
ClientSampled :
GW-4

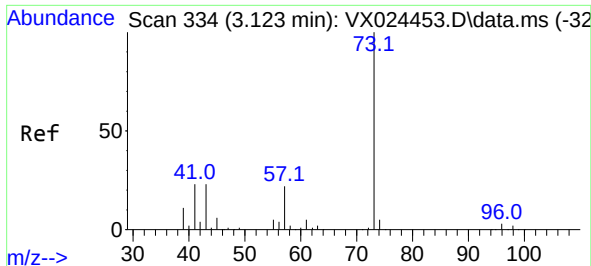
Tgt Ion: 43 Resp: 3893
Ion Ratio Lower Upper
43 100
58 30.3 27.8 41.8



#17
Carbon Disulfide
Concen: 0.362 ug/l
RT: 2.513 min Scan# 234
Delta R.T. -0.001 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

Tgt Ion: 76 Resp: 462
Ion Ratio Lower Upper
76 100
78 17.1 7.2 10.8#

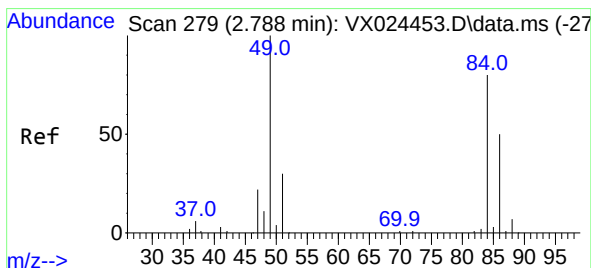
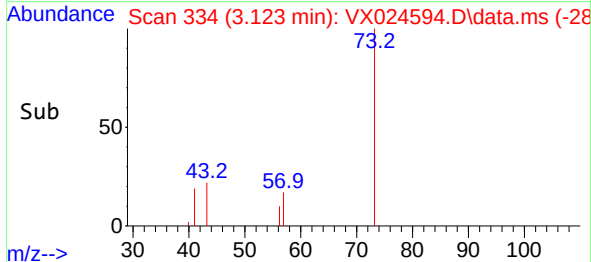
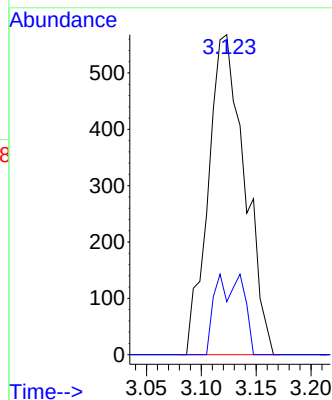
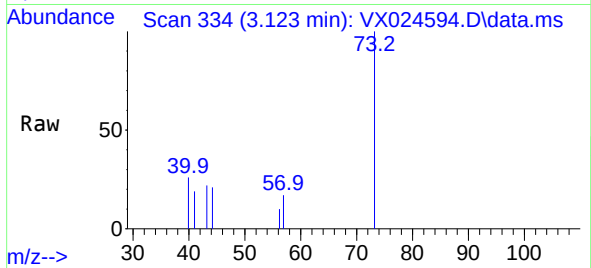




#19
Methyl tert-butyl Ether
Concen: 0.263 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

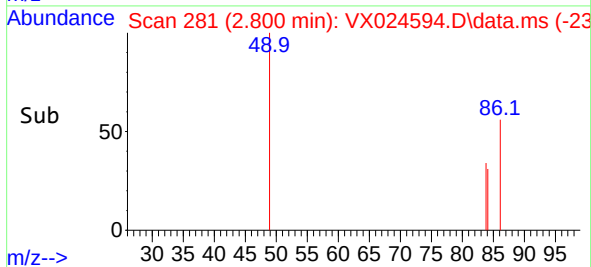
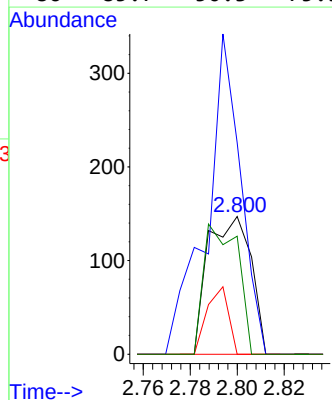
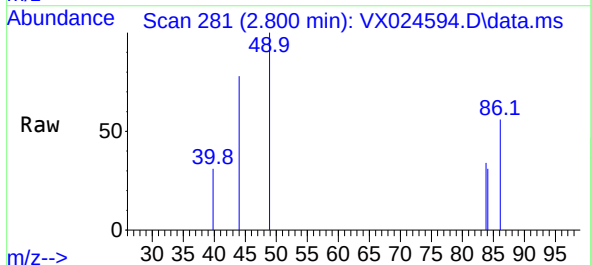
Instrument :
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ClientSampled :
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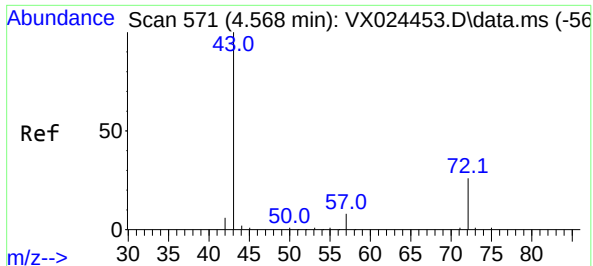
Tgt Ion: 73 Resp: 1315
Ion Ratio Lower Upper
73 100
57 16.5 17.1 25.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

Tgt Ion: 84 Resp: 186
Ion Ratio Lower Upper
84 100
49 153.7 88.6 132.8#
51 0.0 27.0 40.6#
86 85.7 50.3 75.5#

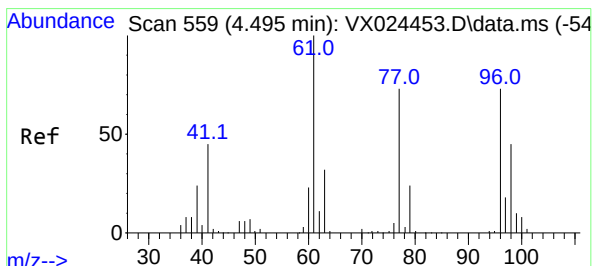
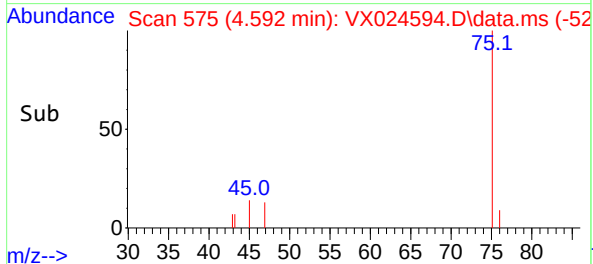
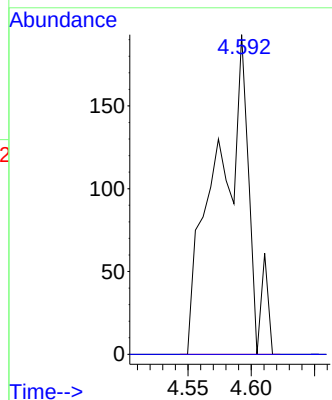
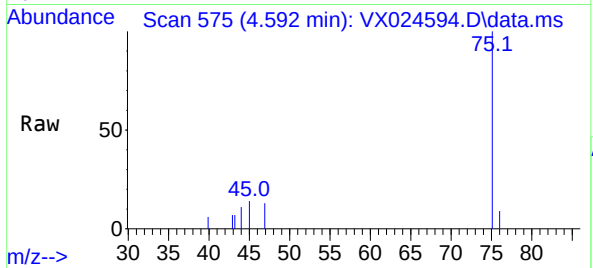




#25
2-Butanone
Concen: 0.245 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.024 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

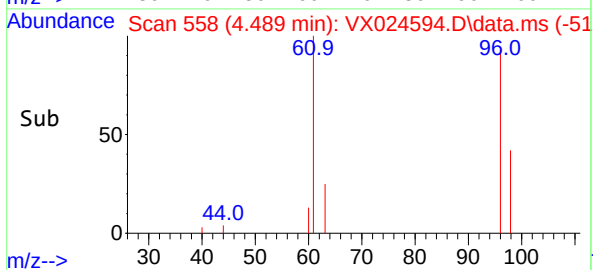
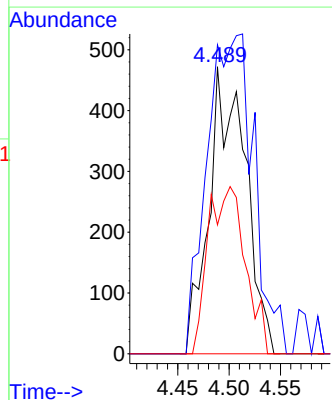
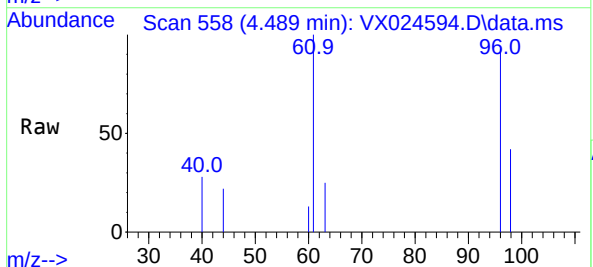
Instrument :
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GW-4

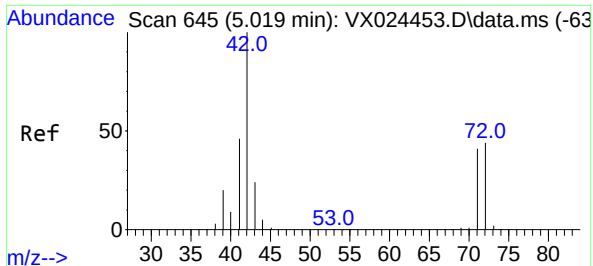
Tgt Ion: 43 Resp: 344
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 0.660 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

Tgt Ion: 96 Resp: 1164
Ion Ratio Lower Upper
96 100
61 0.0 0.0 285.6
98 0.0 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.435 ug/l

RT: 5.025 min Scan# 646

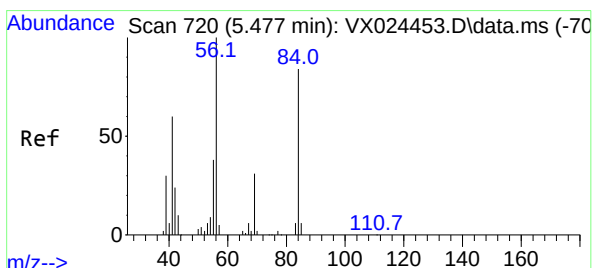
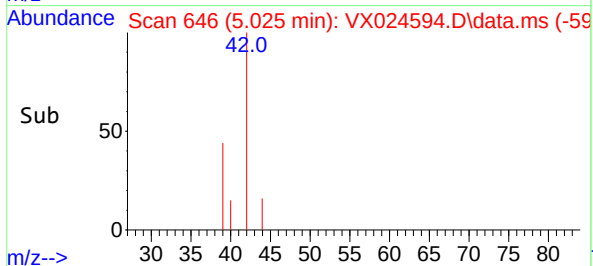
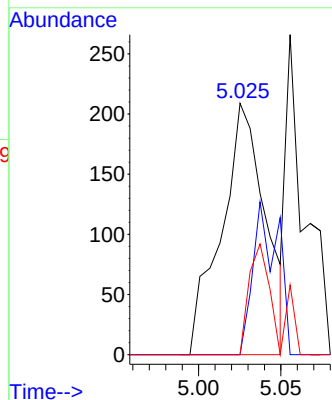
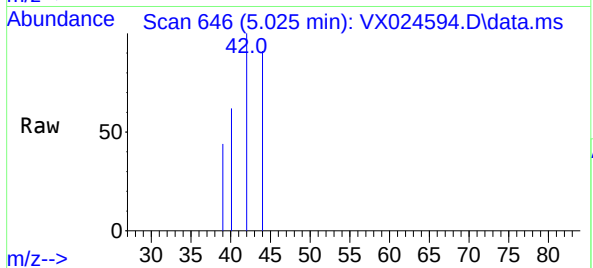
Delta R.T. 0.006 min

Lab File: VX024594.D

Acq: 06 Oct 2021 01:25

Tgt Ion:	42	Resp:	390
Ion	Ratio	Lower	Upper
42	100		
72	33.8	41.7	62.5#
71	25.6	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :
GW-4



#31

Cyclohexane

Concen: 1.291 ug/l

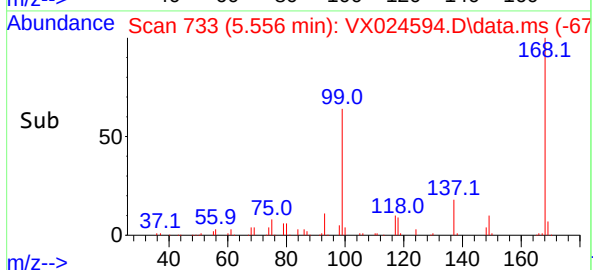
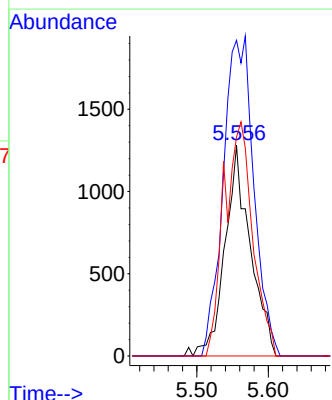
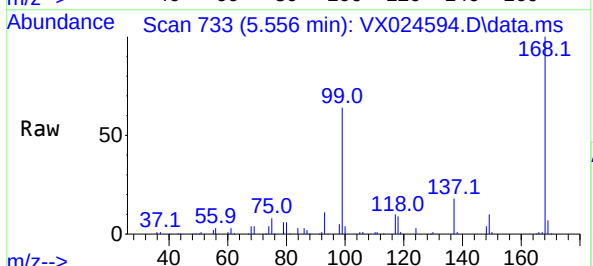
RT: 5.556 min Scan# 733

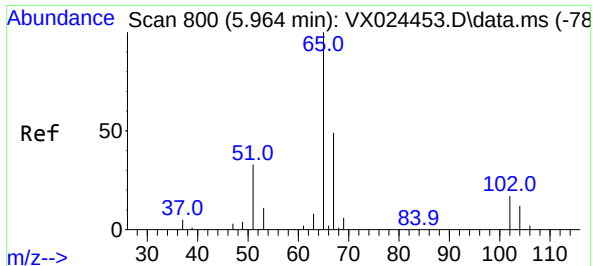
Delta R.T. 0.079 min

Lab File: VX024594.D

Acq: 06 Oct 2021 01:25

Tgt Ion:	56	Resp:	3156
Ion	Ratio	Lower	Upper
56	100		
69	149.9	25.3	37.9#
84	103.9	71.4	107.0



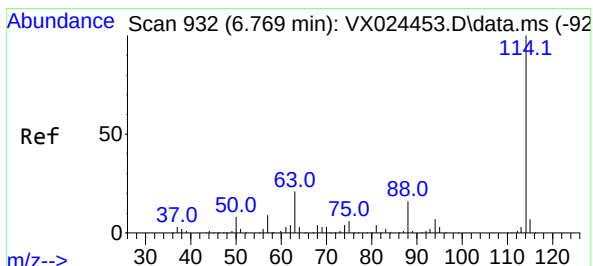
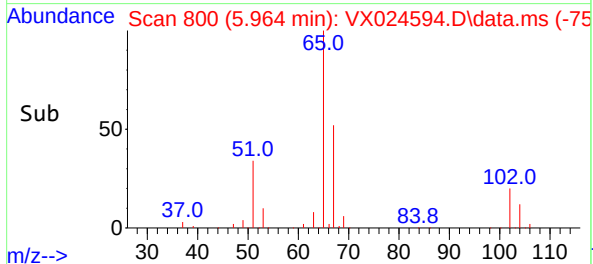
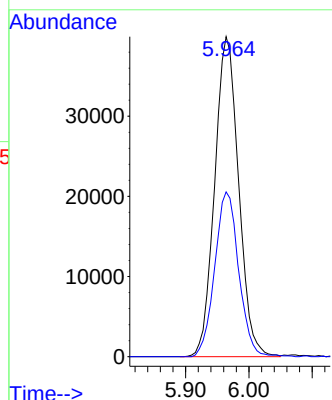
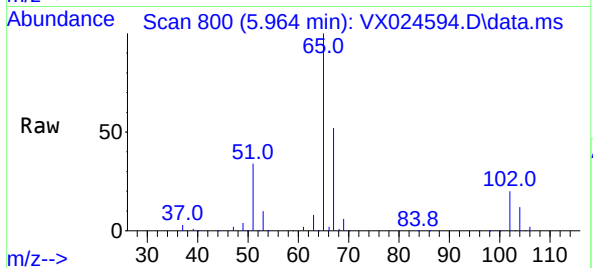


#33

1,2-Dichloroethane-d4
Concen: 51.298 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

Instrument :
MSVOA_X
ClientSampled :
GW-4

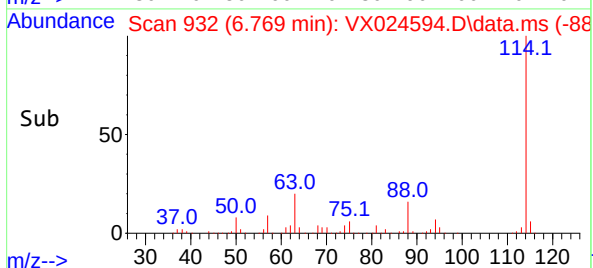
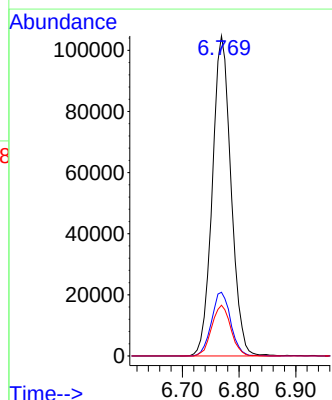
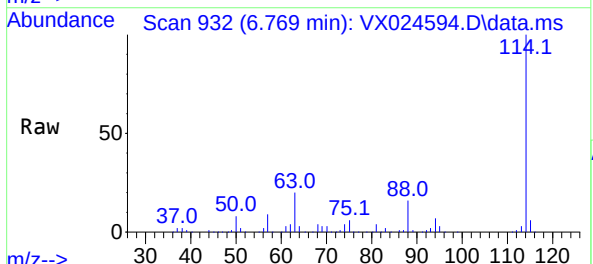
Tgt Ion: 65 Resp: 104755
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.4

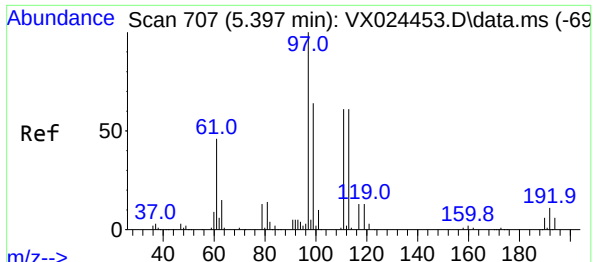


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

Tgt Ion: 114 Resp: 240102
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.8
88 15.8 0.0 32.8

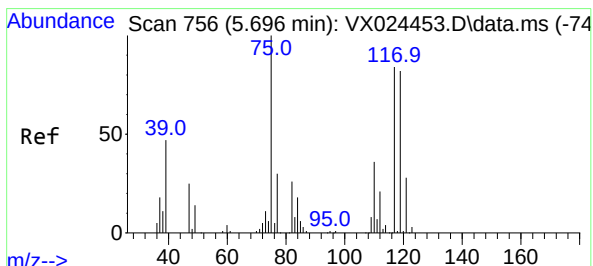
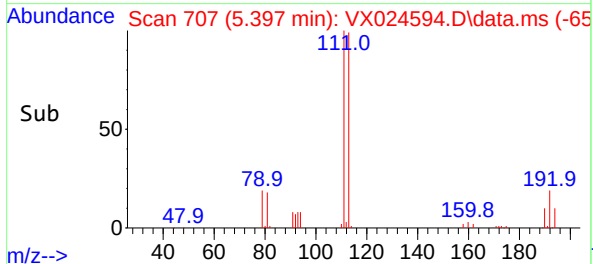
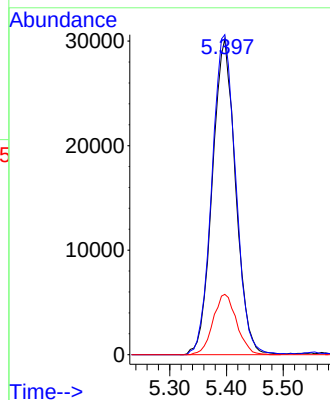
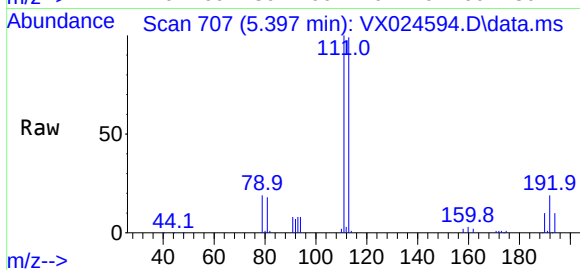




#35
Dibromofluoromethane
Concen: 53.826 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

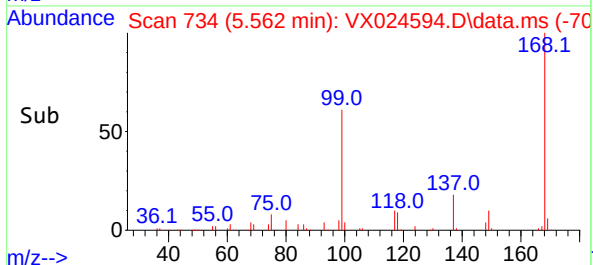
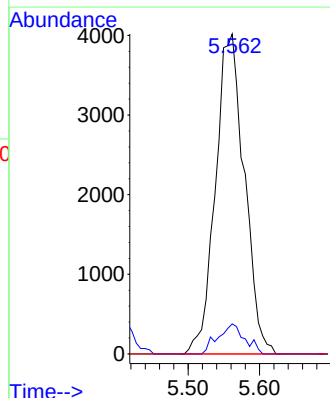
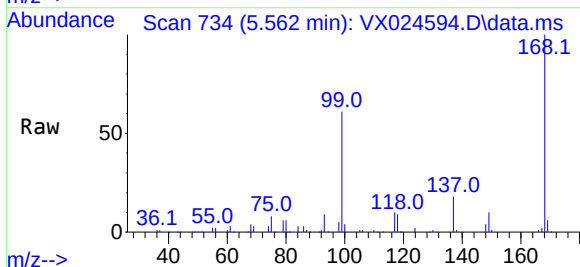
Instrument :
MSVOA_X
ClientSampled :
GW-4

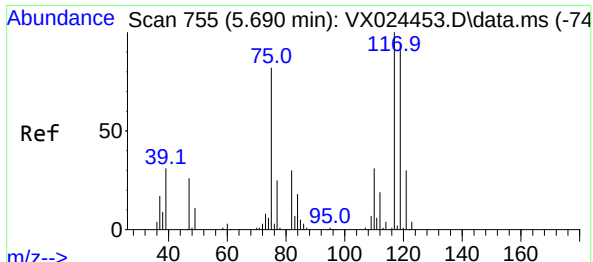
Tgt Ion:	113	Resp:	85856
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	19.4	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.895 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

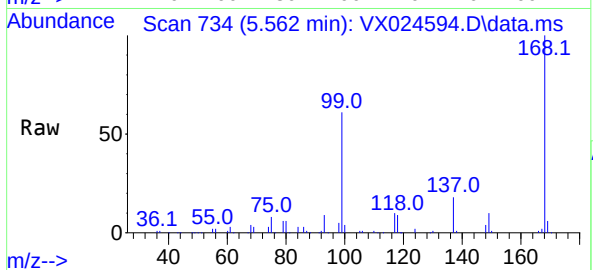
Tgt Ion:	75	Resp:	11267
Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.4#
77	0.0	25.3	37.9#



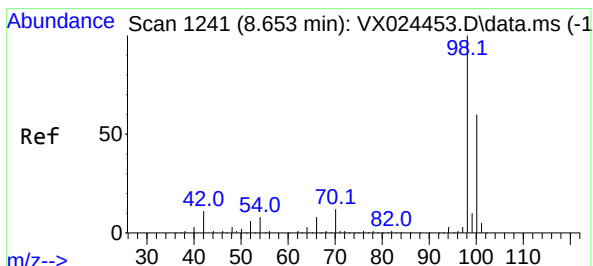
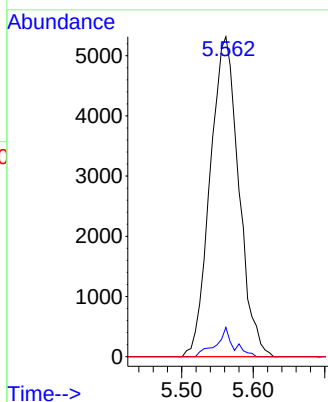
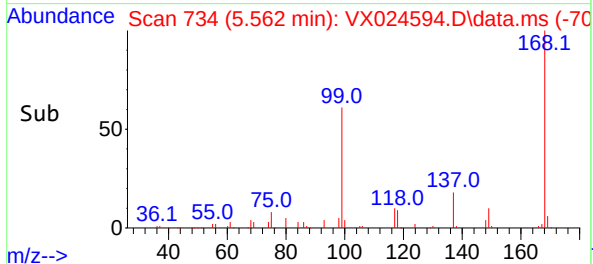


#38
Carbon Tetrachloride
Concen: 5.898 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

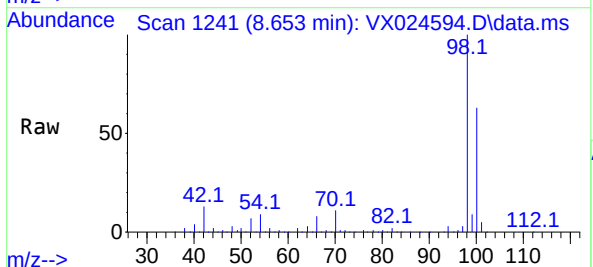
Instrument :
MSVOA_X
ClientSampled :
GW-4



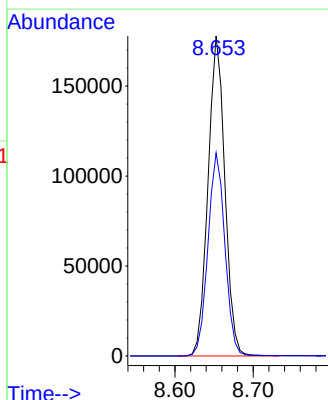
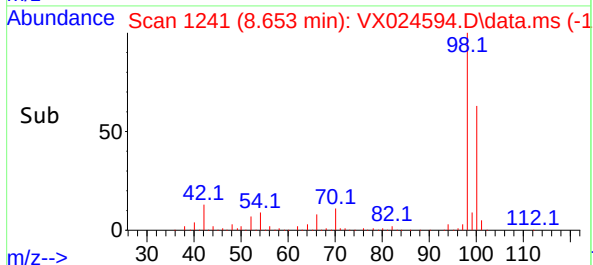
Tgt Ion:117 Resp: 14777
Ion Ratio Lower Upper
117 100
119 9.1 76.2 114.2#
121 0.0 24.8 37.2#

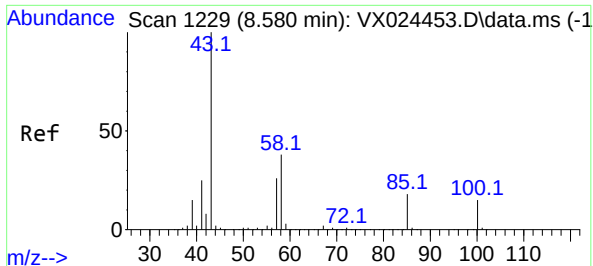


#50
Toluene-d8
Concen: 45.147 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25



Tgt Ion: 98 Resp: 265044
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

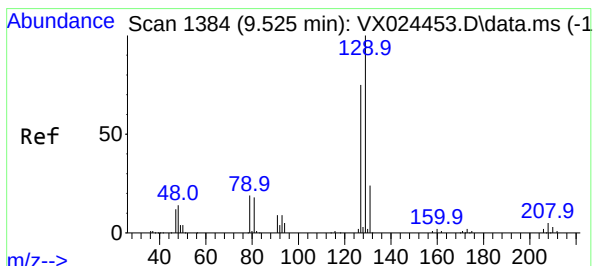
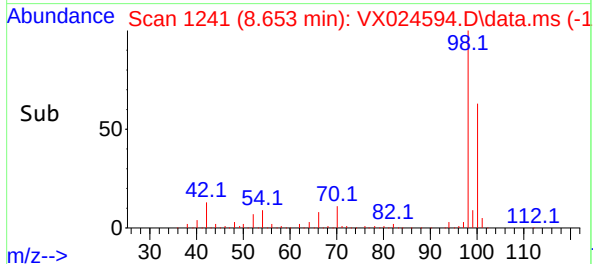
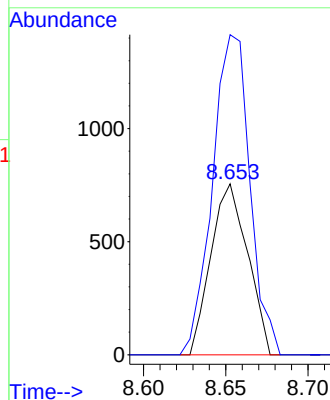
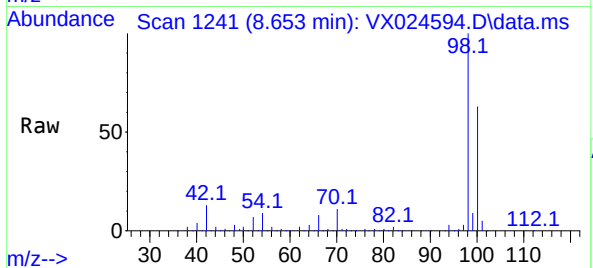




#51
4-Methyl-2-Pentanone
Concen: 0.408 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

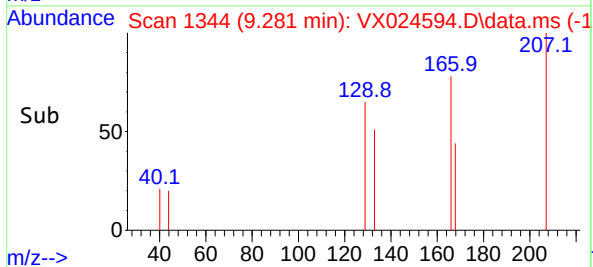
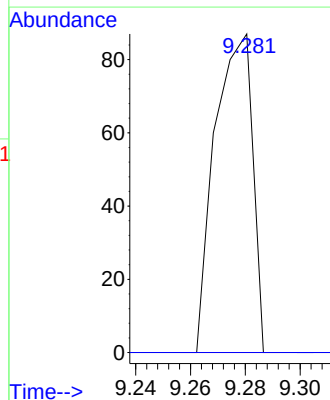
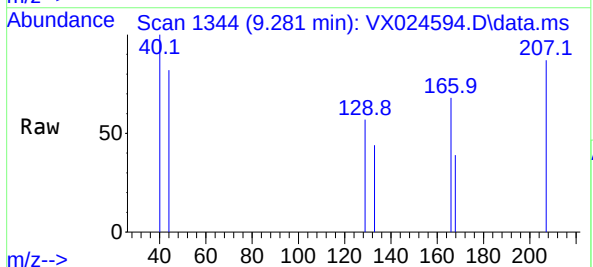
Instrument :
MSVOA_X
ClientSampled :
GW-4

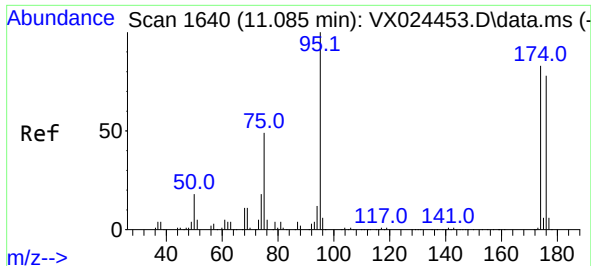
Tgt Ion: 43 Resp: 1176
Ion Ratio Lower Upper
43 100
58 190.8 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.228 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.245 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

Tgt Ion: 129 Resp: 83
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

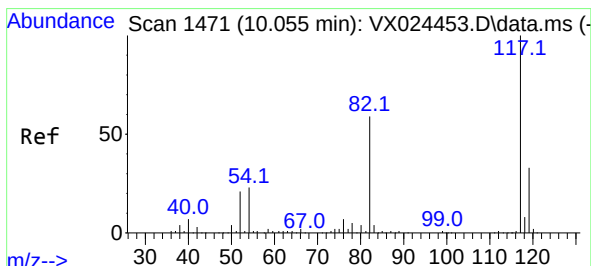
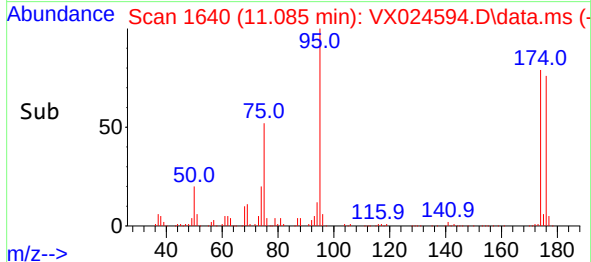
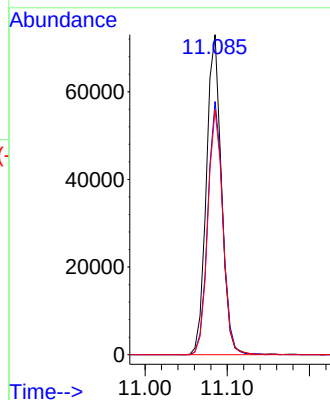
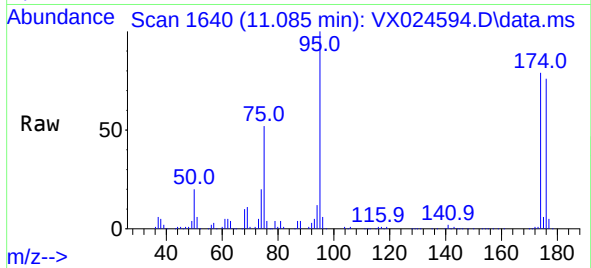




#62
4-Bromofluorobenzene
Concen: 40.161 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

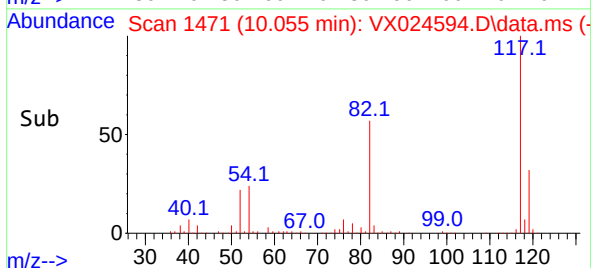
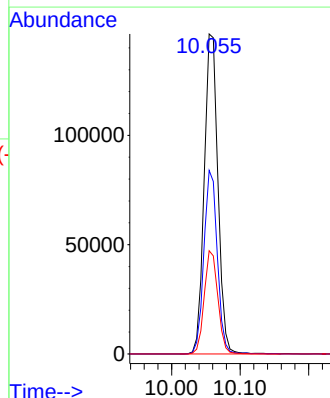
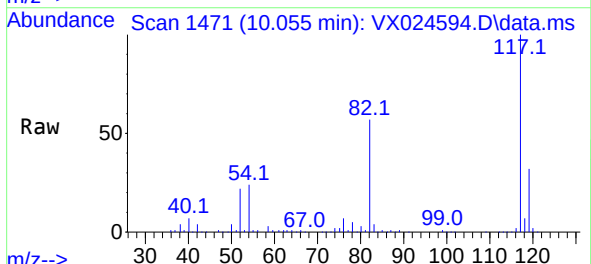
Instrument :
MSVOA_X
ClientSampled :
GW-4

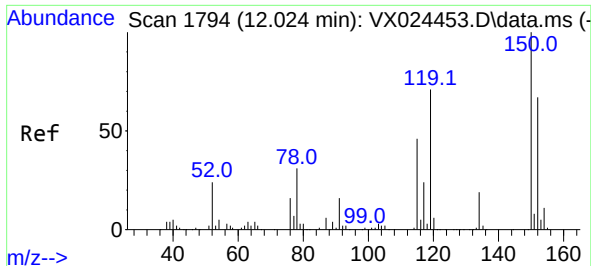
Tgt Ion:	95	Resp:	92701
Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	154.6
176	76.3	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

Tgt Ion:	117	Resp:	204463
Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.4	71.2
119	32.3	26.6	39.8

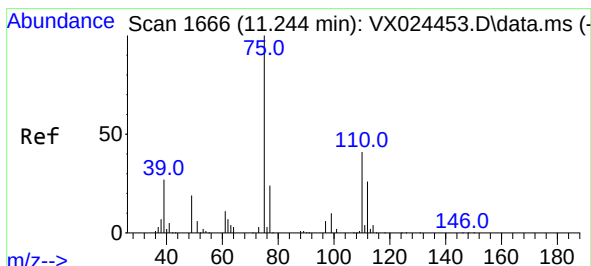
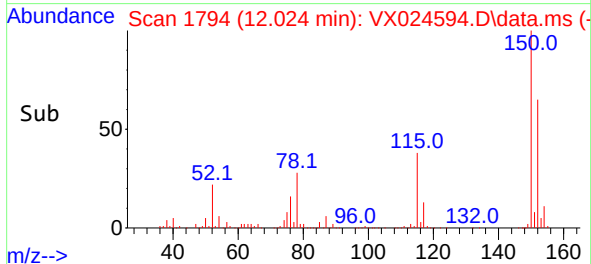
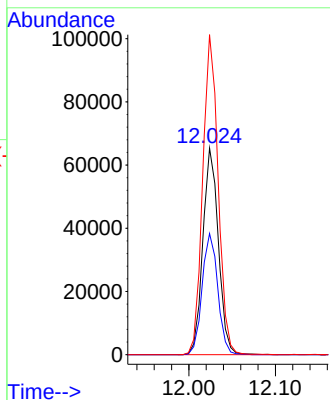
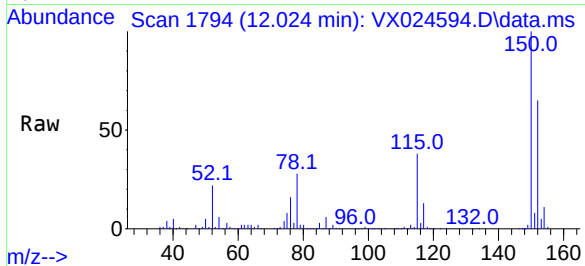




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

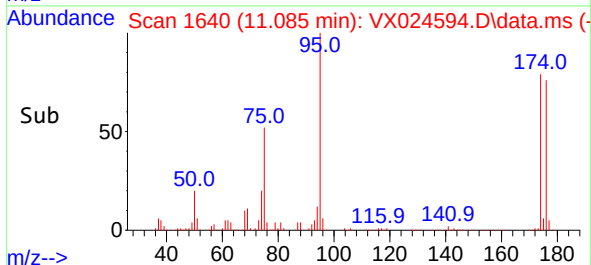
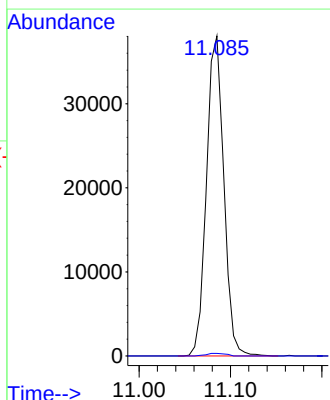
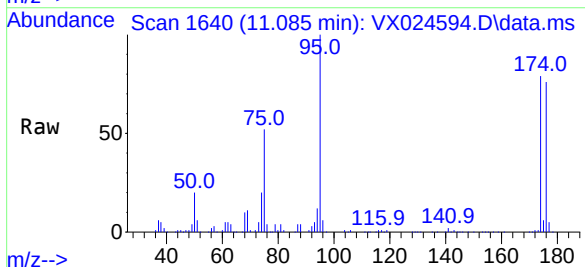
Instrument :
MSVOA_X
ClientSampled :
GW-4

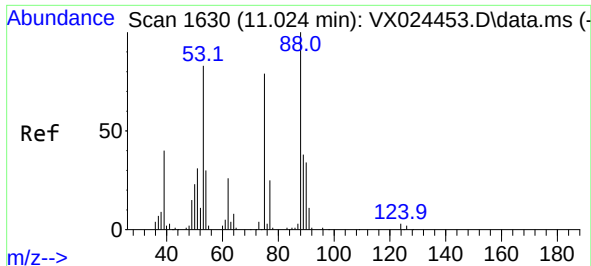
Tgt Ion:152 Resp: 81162
Ion Ratio Lower Upper
152 100
115 59.1 41.1 123.3
150 154.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 27.115 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

Tgt Ion: 75 Resp: 49977
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#

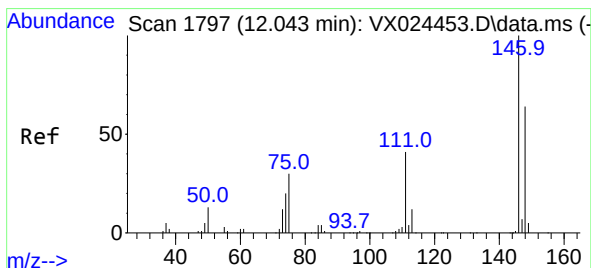
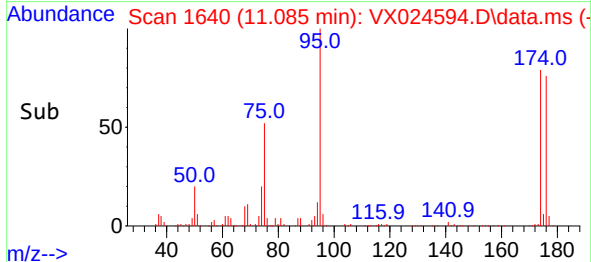
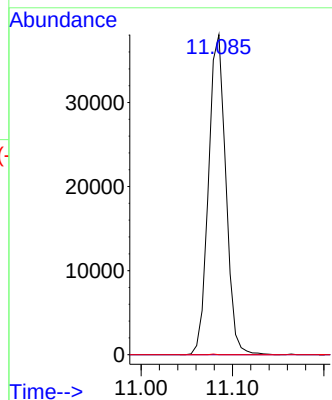
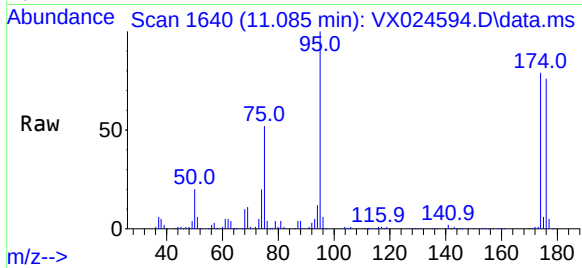




#81
trans-1,4-Dichloro-2-butene
Concen: 73.778 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

Instrument :
MSVOA_X
ClientSampled :
GW-4

Tgt Ion: 75 Resp: 49977
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: 0.274 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.001 min
Lab File: VX024594.D
Acq: 06 Oct 2021 01:25

Tgt Ion: 146 Resp: 796
Ion Ratio Lower Upper
146 100
111 168.7 19.6 58.8#
148 125.1 31.6 95.0#

