

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100621\
 Data File : VX024624.D
 Acq On : 06 Oct 2021 17:45
 Operator : JC/MD
 Sample : M4028-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-4RE

Quant Time: Oct 07 07:48:11 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)

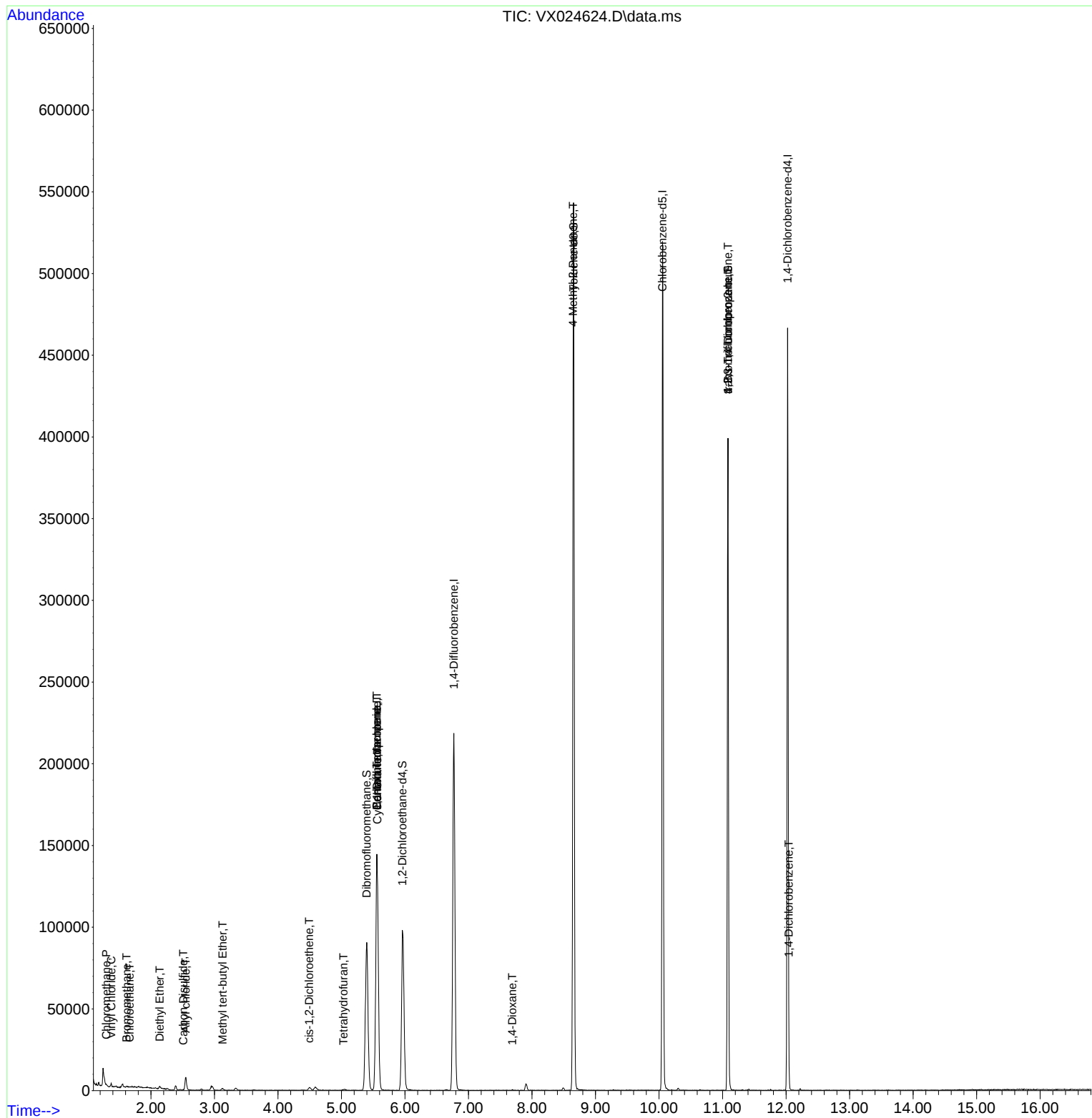
Internal Standards						
1) Pentafluorobenzene	5.556	168	131682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	217171	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	245785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90499	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	100852	54.34	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.68%	
35) Dibromofluoromethane	5.397	113	79286	54.96	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.92%	
50) Toluene-d8	8.653	98	316818	59.66	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 119.32%#	
62) 4-Bromofluorobenzene	11.085	95	99289	47.56	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.12%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	267	0.21	ug/l #	75
4) Vinyl Chloride	1.374	62	1446	1.11	ug/l #	88
5) Bromomethane	1.618	94	195	0.22	ug/l	87
6) Chloroethane	1.666	64	335	0.64	ug/l #	43
8) Diethyl Ether	2.136	74	417	0.53	ug/l	85
11) Tert butyl alcohol	2.959	59	2393	Below Cal	#	76
14) Allyl chloride	2.544	41	850	0.39	ug/l #	53
16) Acetone	2.386	43	2870	Below Cal		97
17) Carbon Disulfide	2.508	76	319	0.33	ug/l #	75
19) Methyl tert-butyl Ether	3.129	73	1277	0.28	ug/l #	89
20) Methylene Chloride	2.794	84	292	Below Cal	#	65
27) cis-1,2-Dichloroethene	4.489	96	1180	0.74	ug/l	95
29) Tetrahydrofuran	5.032	42	368	0.45	ug/l #	36
31) Cyclohexane	5.562	56	2666	1.20	ug/l #	19
36) 1,1-Dichloropropene	5.556	75	10504	5.05	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13685	6.04	ug/l #	17
49) 1,4-Dioxane	7.690	88	23	0.51	ug/l #	24
51) 4-Methyl-2-Pentanone	8.647	43	1394	0.53	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	52959	25.77	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	52959	70.21	ug/l #	12
88) 1,4-Dichlorobenzene	12.042	146	778	0.24	ug/l #	1

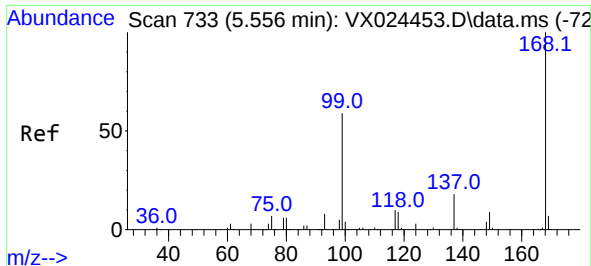
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Oct 07 07:48:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
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QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

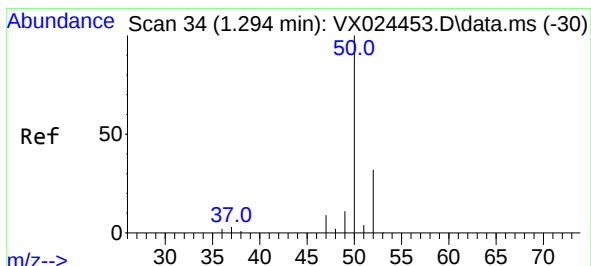
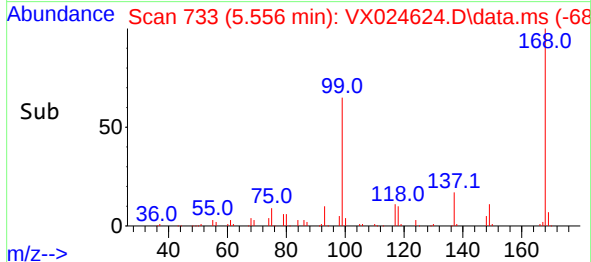
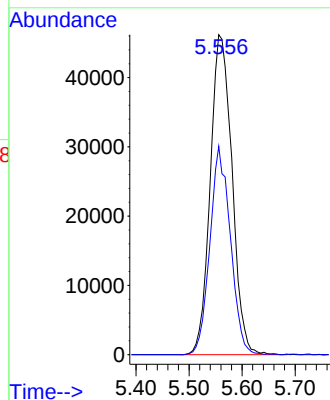
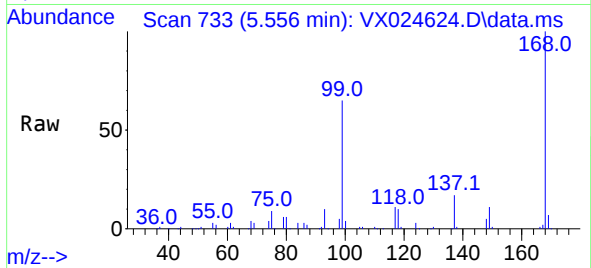




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

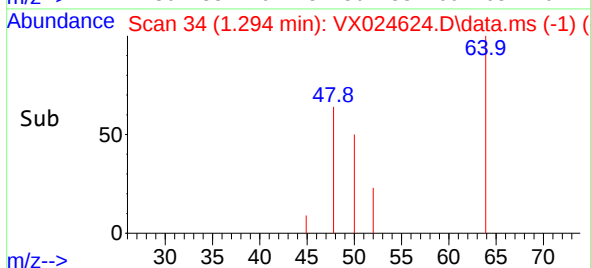
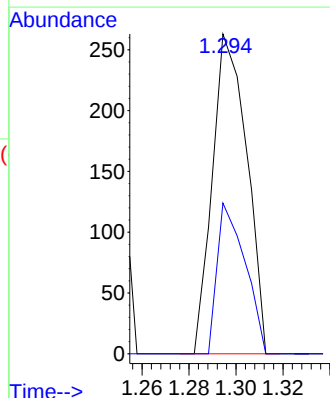
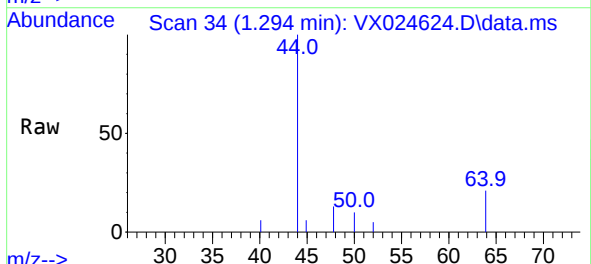
Instrument :
MSVOA_X
ClientSampleId :
GW-4RE

Tgt Ion:168 Resp: 131682
Ion Ratio Lower Upper
168 100
99 65.1 45.8 68.6

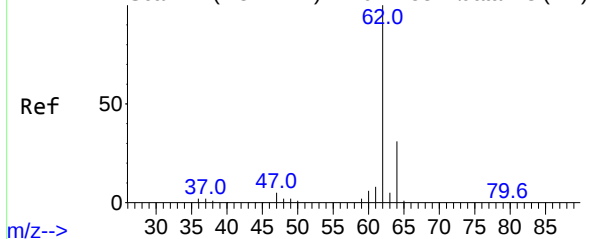


#3
Chloromethane
Concen: 0.21 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

Tgt Ion: 50 Resp: 267
Ion Ratio Lower Upper
50 100
52 47.1 26.4 39.6#



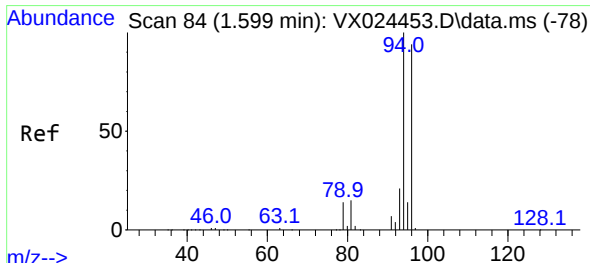
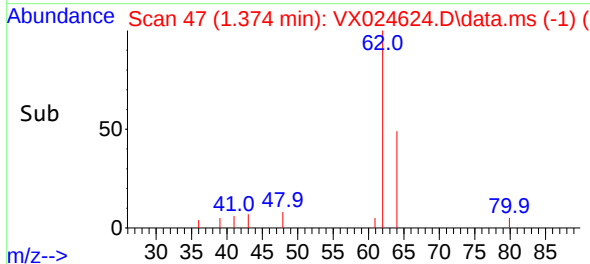
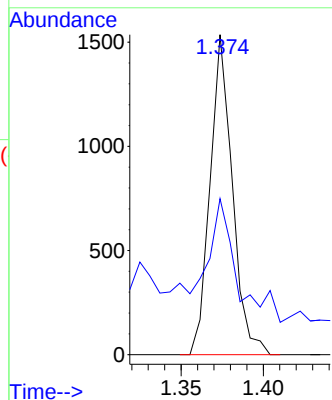
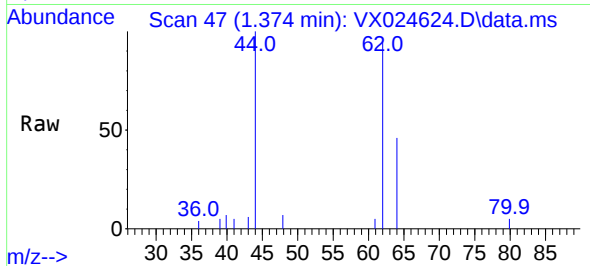
Abundance Scan 47 (1.374 min): VX024453.D\data.ms (-42)



#4
Vinyl Chloride
Concen: 1.11 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

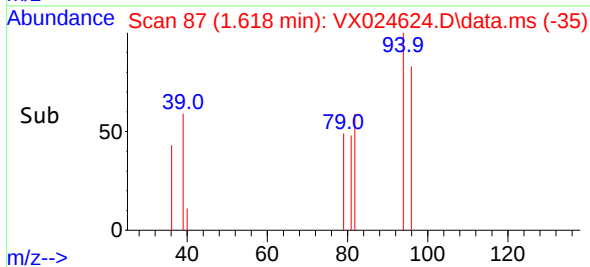
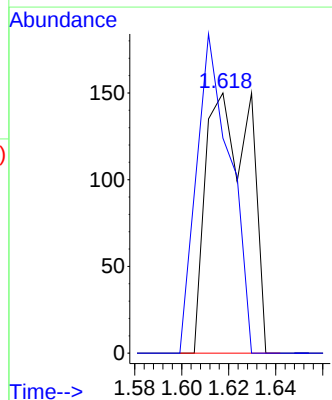
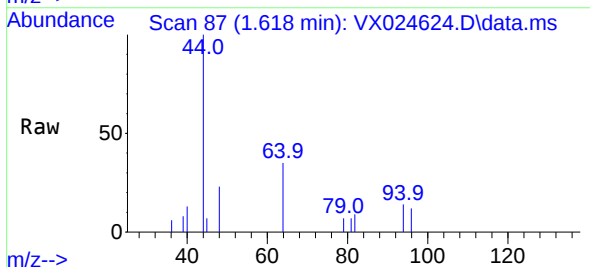
Tgt Ion: 62 Resp: 1446
Ion Ratio Lower Upper
62 100
64 38.7 25.7 38.5#

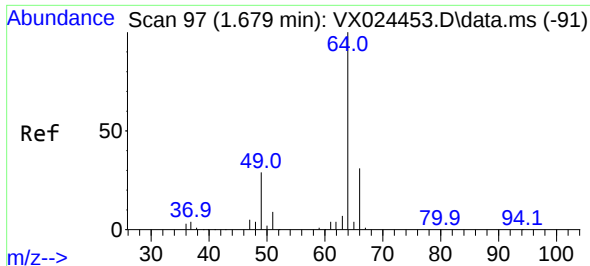
Instrument :
MSVOA_X
ClientSampleId :
GW-4RE



#5
Bromomethane
Concen: 0.22 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

Tgt Ion: 94 Resp: 195
Ion Ratio Lower Upper
94 100
96 82.7 76.4 114.6

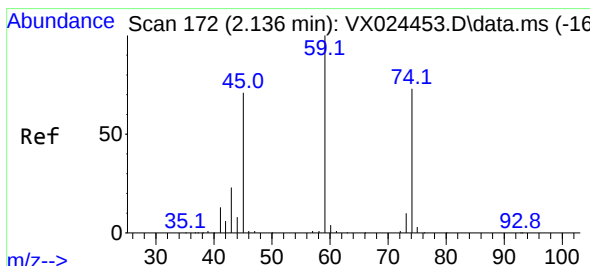
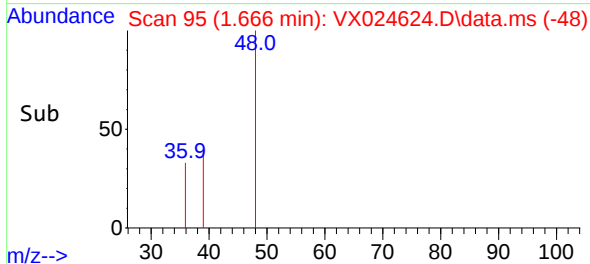
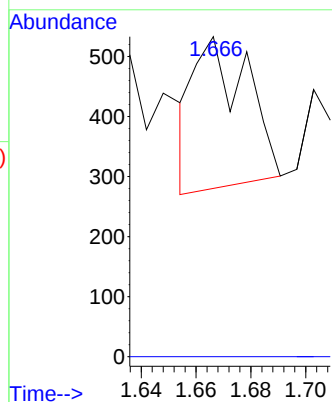
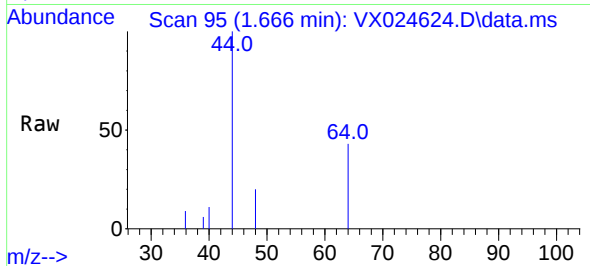




#6
Chloroethane
Concen: 0.64 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

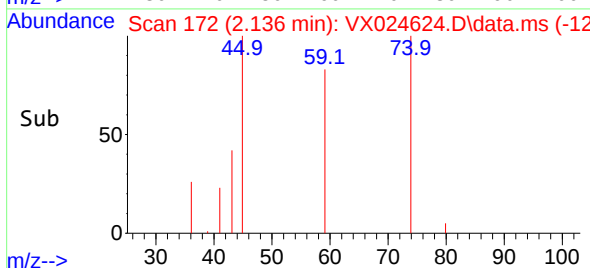
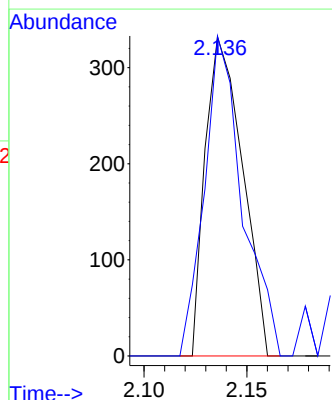
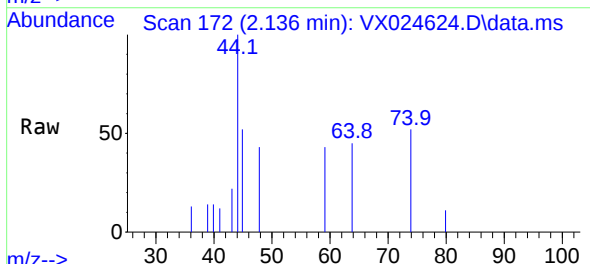
Instrument :
MSVOA_X
ClientSampled :
GW-4RE

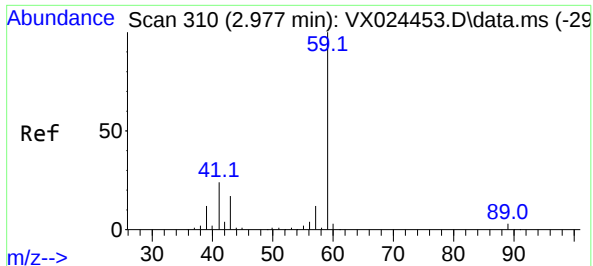
Tgt Ion: 64 Resp: 335
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#8
Diethyl Ether
Concen: 0.53 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

Tgt Ion: 74 Resp: 417
Ion Ratio Lower Upper
74 100
45 103.1 44.5 133.5



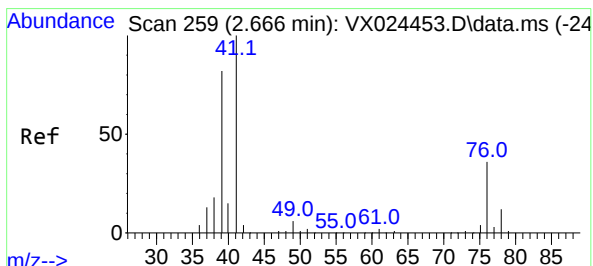
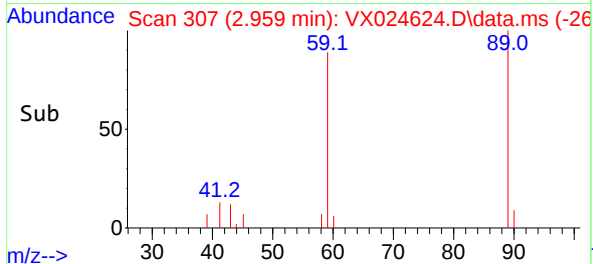
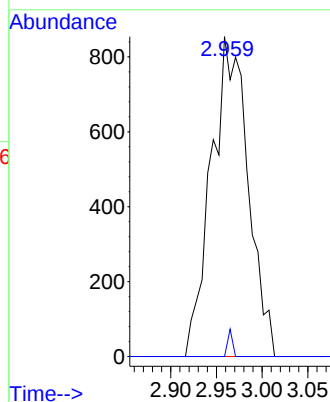
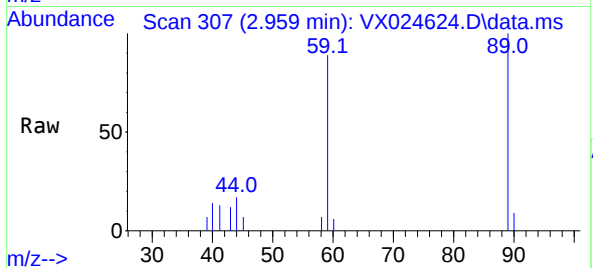


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

Instrument :
MSVOA_X
ClientSampled :
GW-4RE

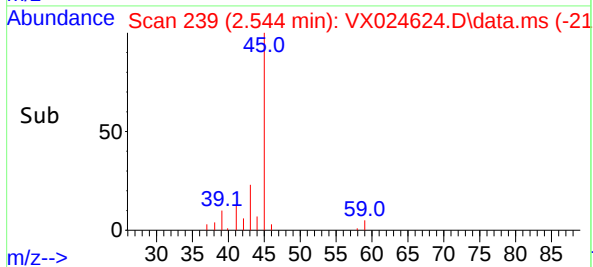
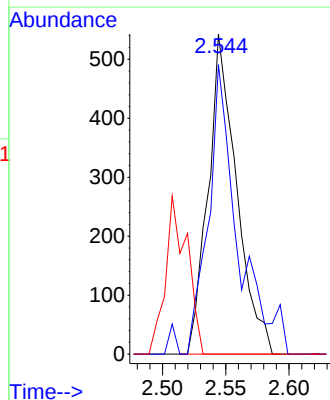
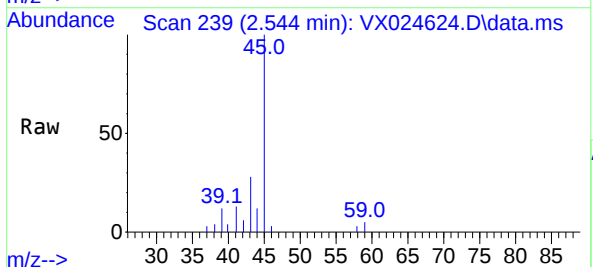
Tgt Ion: 59 Resp: 2393
Ion Ratio Lower Upper
59 100
57 1.1 7.8 11.8#

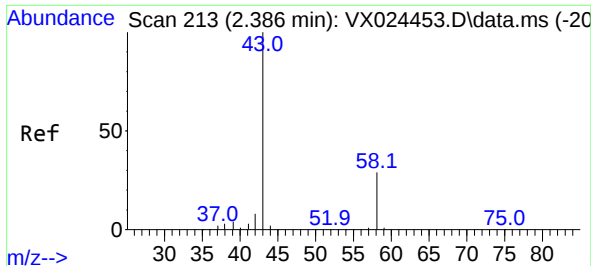


#14

Allyl chloride
Concen: 0.39 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.122 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

Tgt Ion: 41 Resp: 850
Ion Ratio Lower Upper
41 100
39 93.5 51.6 77.4#
76 0.0 30.5 45.7#

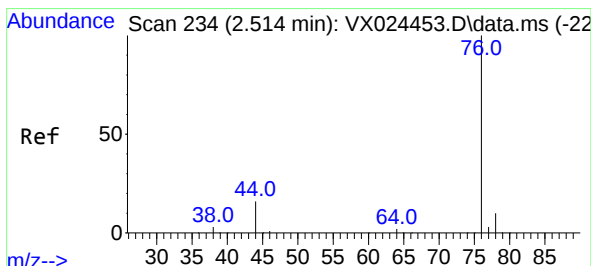
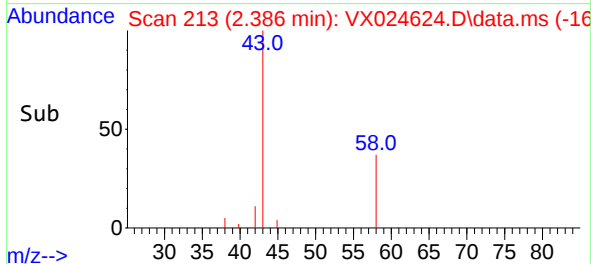
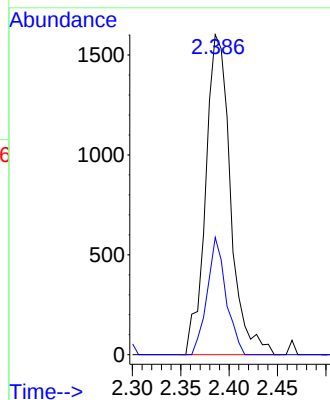
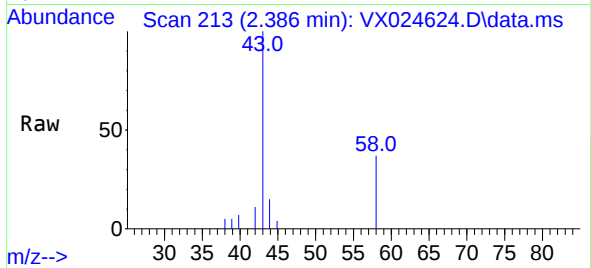




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

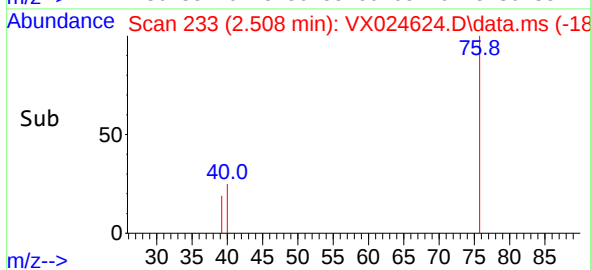
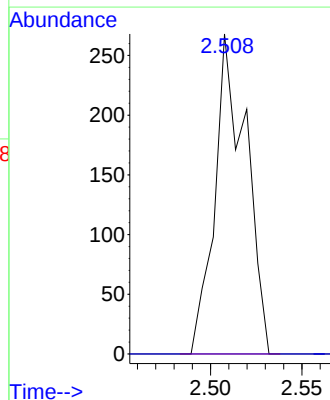
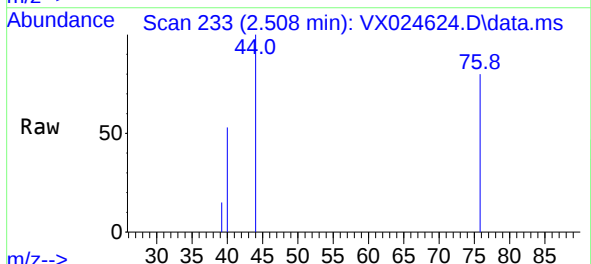
Instrument :
MSVOA_X
ClientSampleID :
GW-4RE

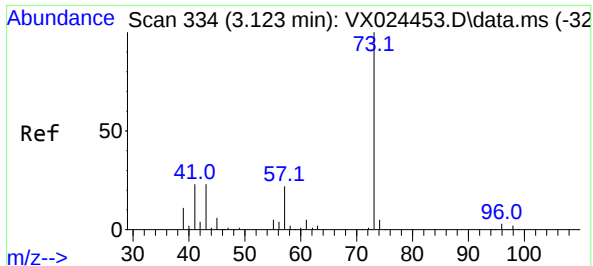
Tgt Ion: 43 Resp: 2870
Ion Ratio Lower Upper
43 100
58 36.6 27.8 41.8



#17
Carbon Disulfide
Concen: 0.33 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

Tgt Ion: 76 Resp: 319
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



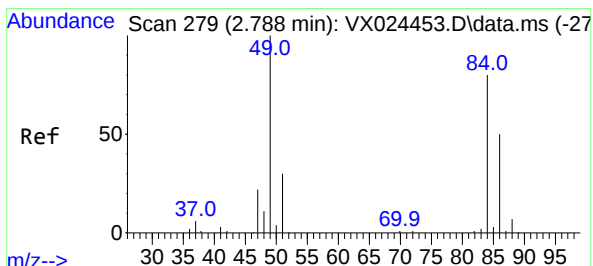
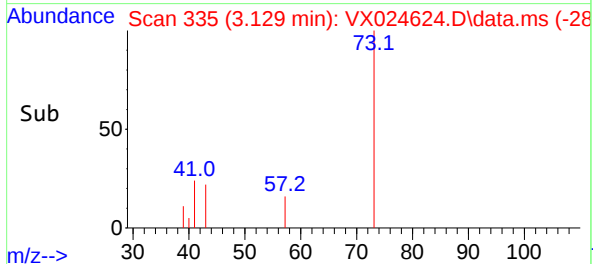
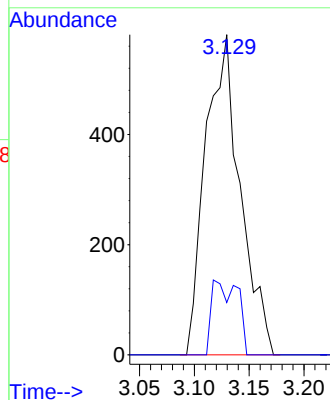
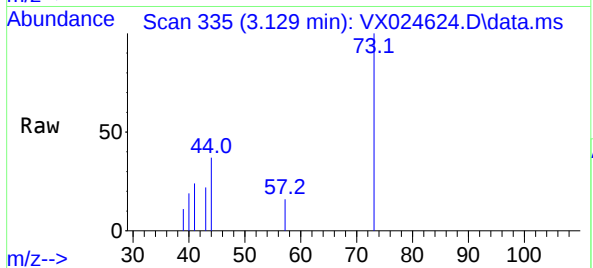


#19

Methyl tert-butyl Ether
Concen: 0.28 ug/l
RT: 3.129 min Scan# 335
Delta R.T. 0.006 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

Instrument :
MSVOA_X
ClientSampled :
GW-4RE

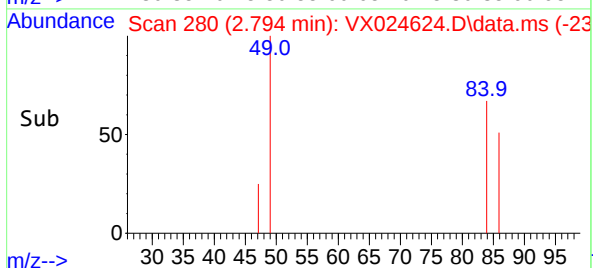
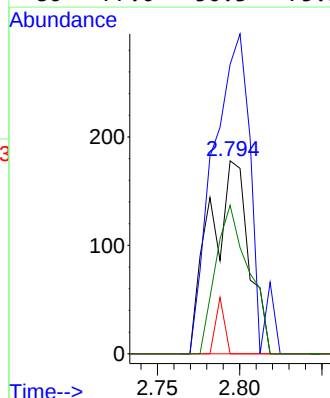
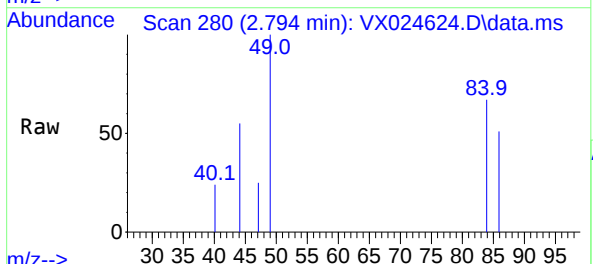
Tgt Ion: 73 Resp: 1277
Ion Ratio Lower Upper
73 100
57 16.4 17.1 25.7#

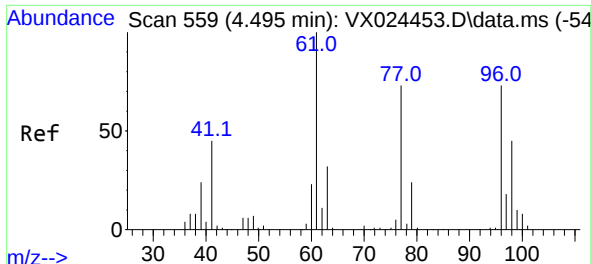


#20

Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

Tgt Ion: 84 Resp: 292
Ion Ratio Lower Upper
84 100
49 150.0 88.6 132.8#
51 0.0 27.0 40.6#
86 77.0 50.3 75.5#



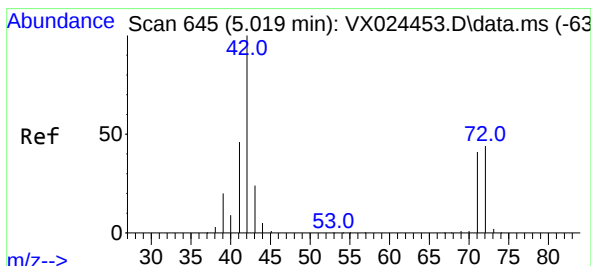
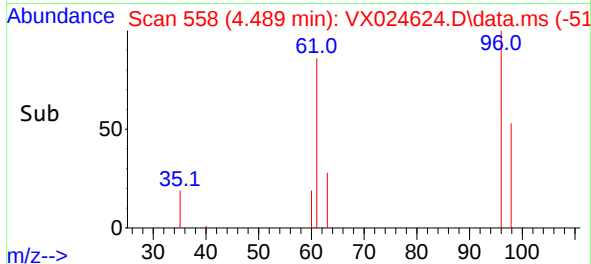
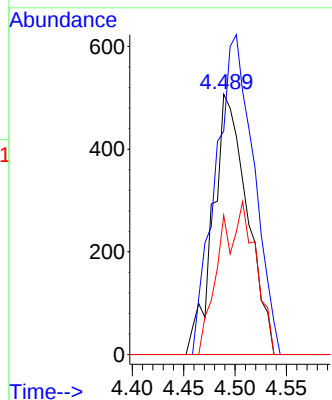
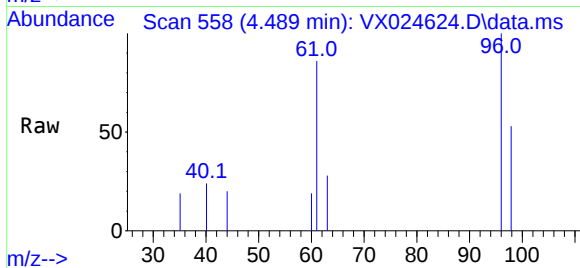


#27
cis-1,2-Dichloroethene
Concen: 0.74 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

Instrument :
MSVOA_X
ClientSampled :
GW-4RE

Tgt Ion: 96 Resp: 1180

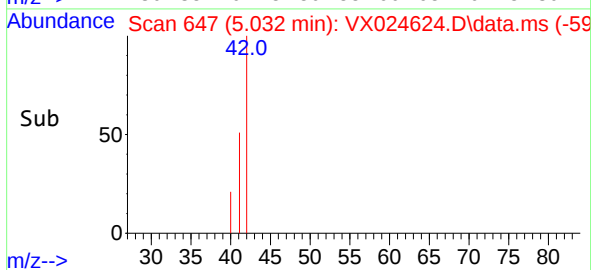
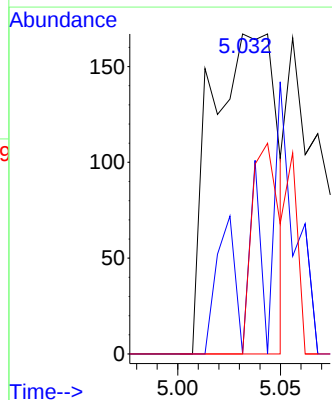
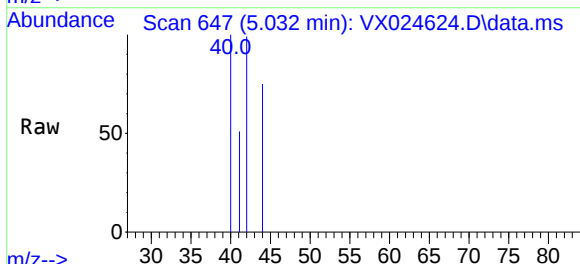
Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	285.6
98	61.5	0.0	129.6

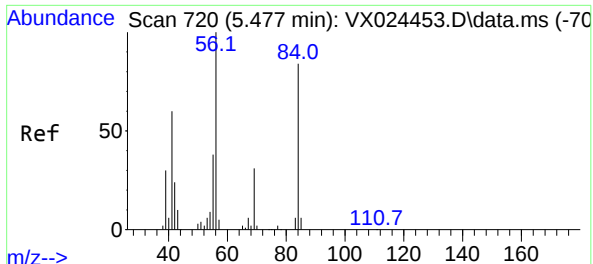


#29
Tetrahydrofuran
Concen: 0.45 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.013 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

Tgt Ion: 42 Resp: 368

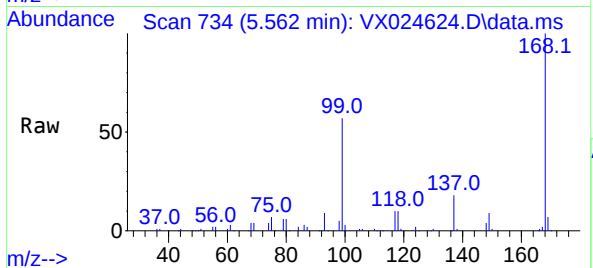
Ion	Ratio	Lower	Upper
42	100		
72	12.2	41.7	62.5#
71	0.0	38.4	57.6#



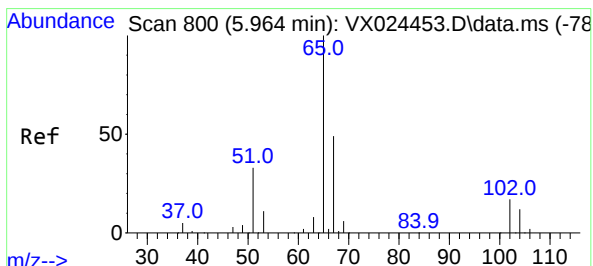
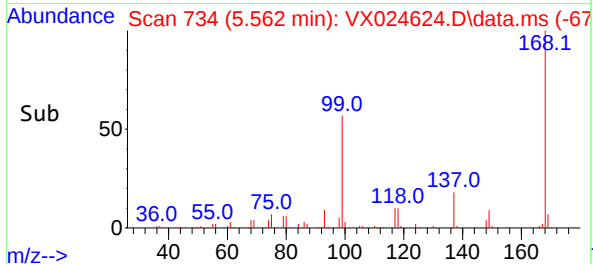
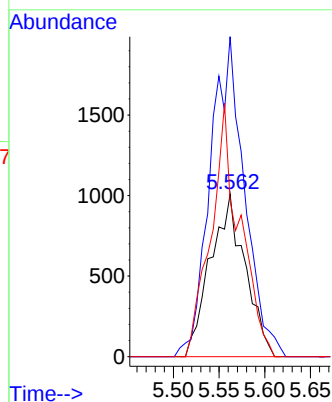


#31
Cyclohexane
Concen: 1.20 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

Instrument :
MSVOA_X
ClientSampleId :
GW-4RE

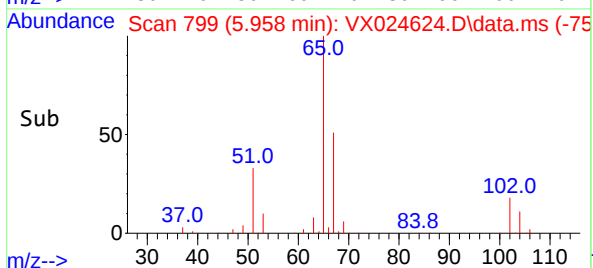
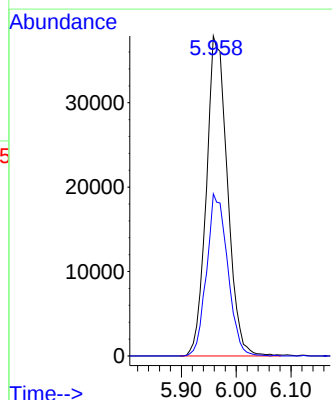
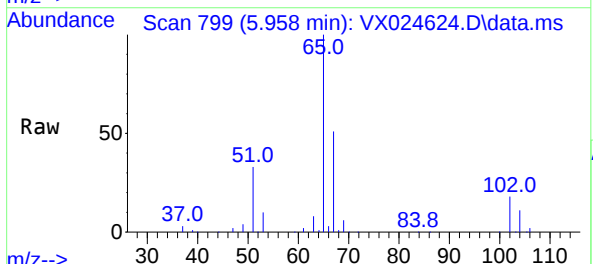


Tgt Ion: 56 Resp: 2666
Ion Ratio Lower Upper
56 100
69 191.4 25.3 37.9#
84 95.8 71.4 107.0

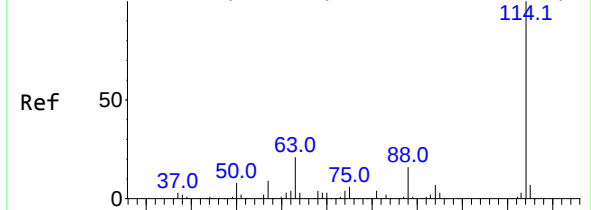


#33
1,2-Dichloroethane-d4
Concen: 54.34 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

Tgt Ion: 65 Resp: 100852
Ion Ratio Lower Upper
65 100
67 50.7 0.0 105.4

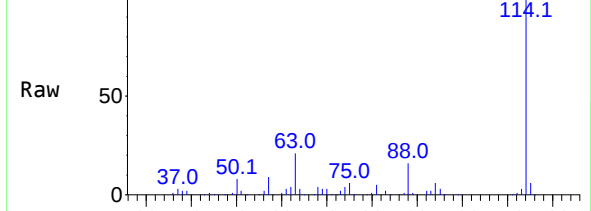


Abundance Scan 932 (6.769 min): VX024453.D\data.ms (-92



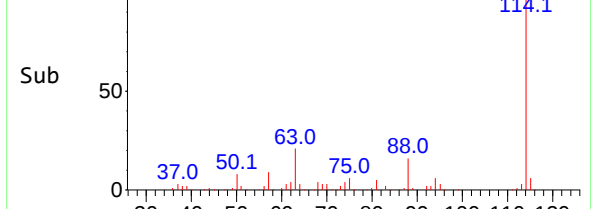
m/z-->

Abundance Scan 932 (6.769 min): VX024624.D\data.ms



m/z-->

Abundance Scan 932 (6.769 min): VX024624.D\data.ms (-88



m/z-->

#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX024624.D

Acq: 06 Oct 2021 17:45

Tgt Ion:114 Resp: 217171

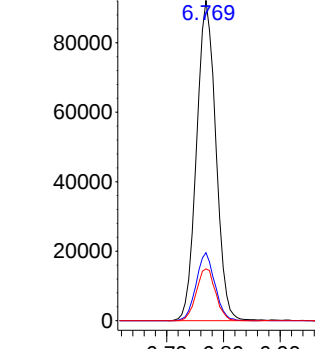
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

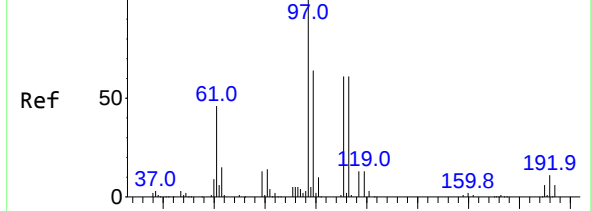
88 16.2 0.0 32.8

Abundance



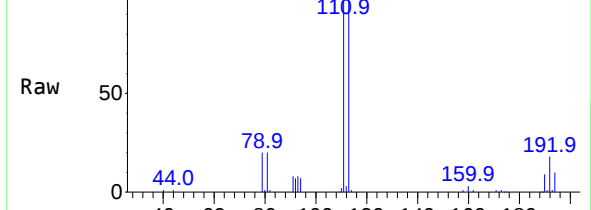
Time-->

Abundance Scan 707 (5.397 min): VX024453.D\data.ms (-69



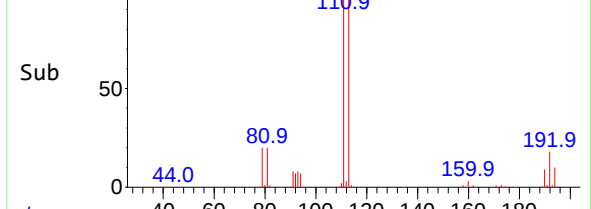
m/z-->

Abundance Scan 707 (5.397 min): VX024624.D\data.ms



m/z-->

Abundance Scan 707 (5.397 min): VX024624.D\data.ms (-65



m/z-->

#35

Dibromofluoromethane

Concen: 54.96 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024624.D

Acq: 06 Oct 2021 17:45

Tgt Ion:113 Resp: 79286

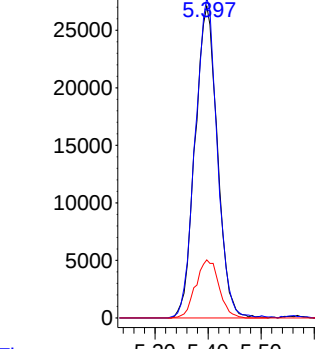
Ion Ratio Lower Upper

113 100

111 101.3 81.9 122.9

192 19.4 16.7 25.1

Abundance



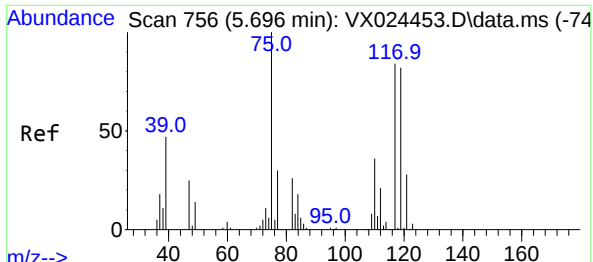
Time-->

Instrument :

MSVOA_X

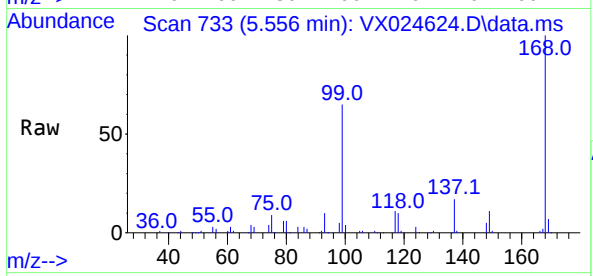
ClientSampled :

GW-4RE

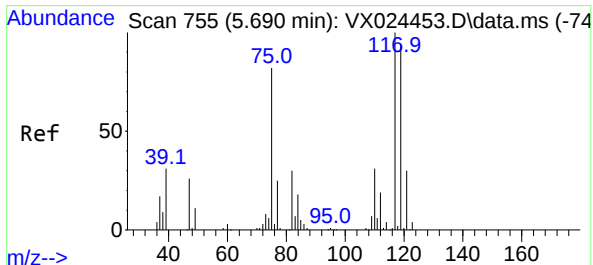
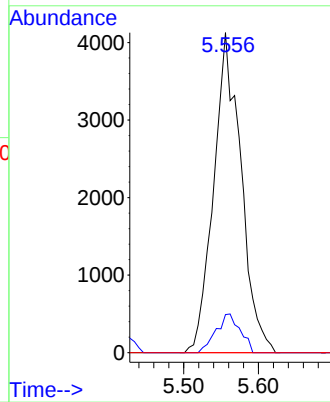
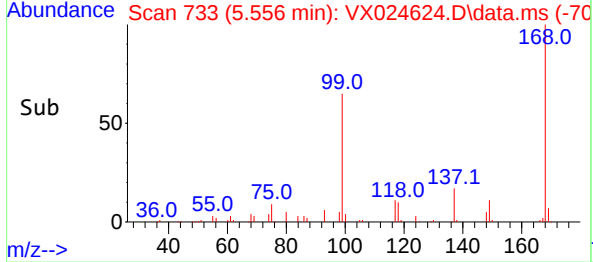


#36
1,1-Dichloropropene
Concen: 5.05 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

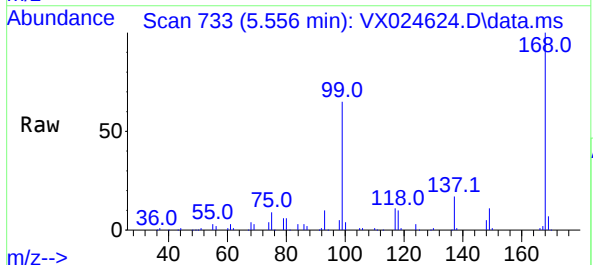
Instrument :
MSVOA_X
ClientSampleId :
GW-4RE



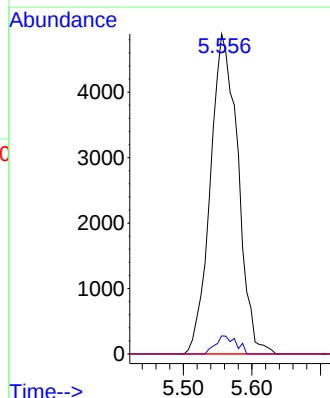
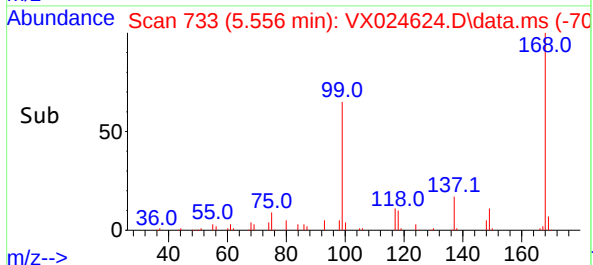
Tgt Ion: 75 Resp: 10504
Ion Ratio Lower Upper
75 100
110 10.7 18.1 54.4#
77 0.0 25.3 37.9#

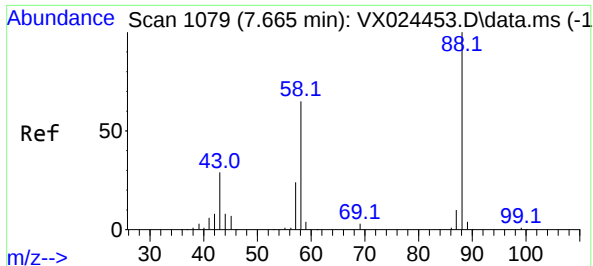


#38
Carbon Tetrachloride
Concen: 6.04 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45



Tgt Ion: 117 Resp: 13685
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#





#49

1,4-Dioxane

Concen: 0.51 ug/l

RT: 7.690 min Scan# 1083

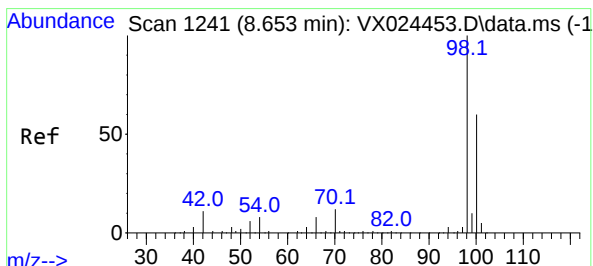
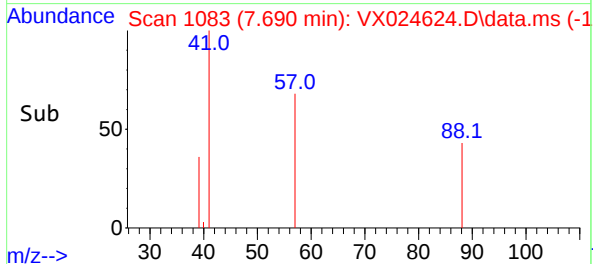
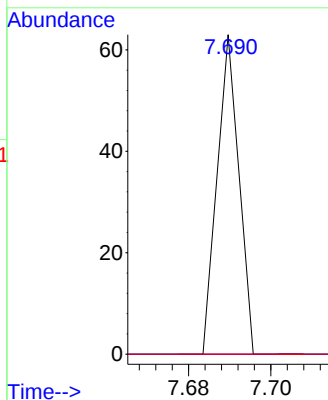
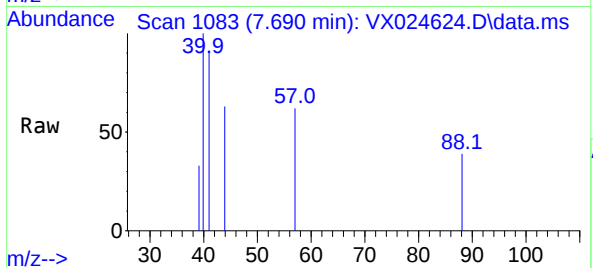
Delta R.T. 0.025 min

Lab File: VX024624.D

Acq: 06 Oct 2021 17:45

Tgt Ion:	88	Resp:	23
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.2	34.8#
58	0.0	55.0	82.4#

Instrument :
MSVOA_X
ClientSampled :
GW-4RE



#50

Toluene-d8

Concen: 59.66 ug/l

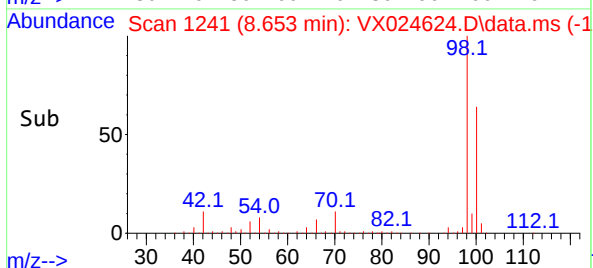
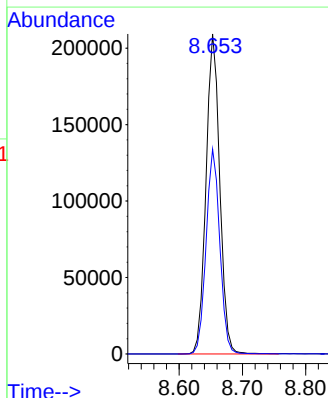
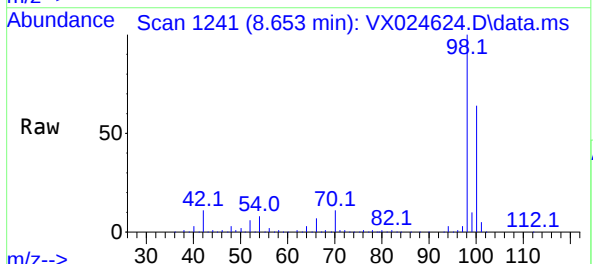
RT: 8.653 min Scan# 1241

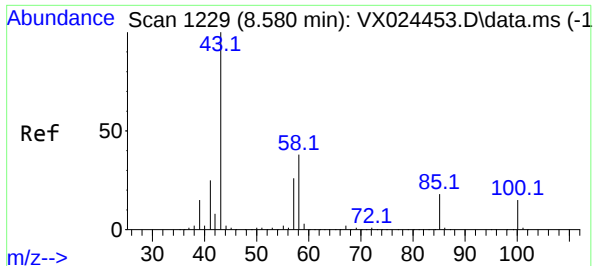
Delta R.T. -0.000 min

Lab File: VX024624.D

Acq: 06 Oct 2021 17:45

Tgt Ion:	98	Resp:	316818
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.9	77.9

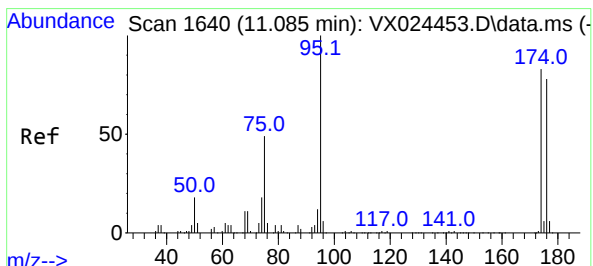
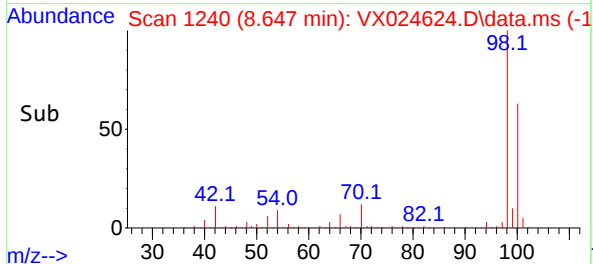
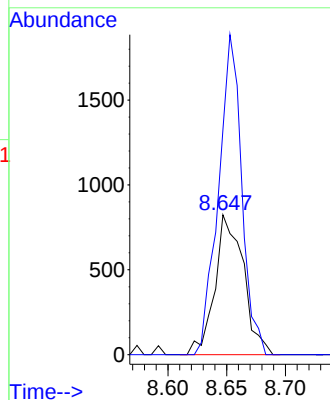
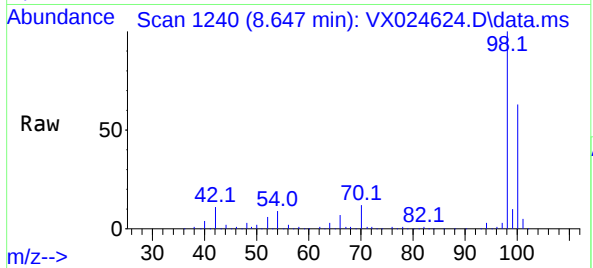




#51
4-Methyl-2-Pentanone
Concen: 0.53 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

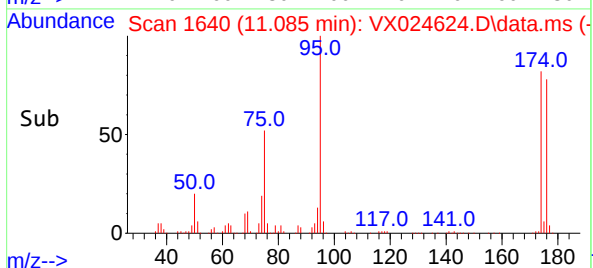
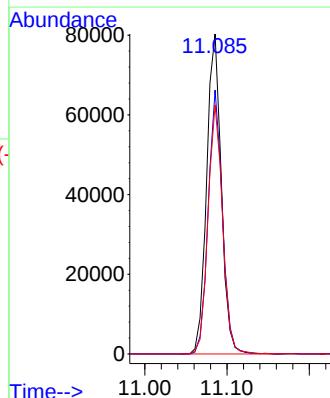
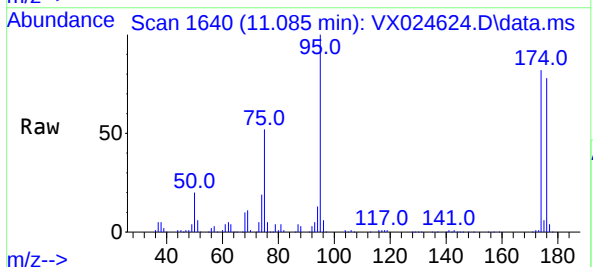
Instrument :
MSVOA_X
ClientSampled :
GW-4RE

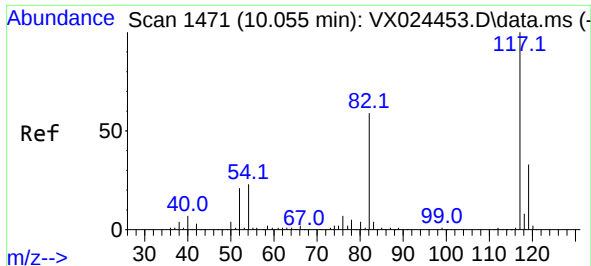
Tgt Ion: 43 Resp: 1394
Ion Ratio Lower Upper
43 100
58 186.9 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 47.56 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

Tgt Ion: 95 Resp: 99289
Ion Ratio Lower Upper
95 100
174 80.0 0.0 154.6
176 77.2 0.0 155.8

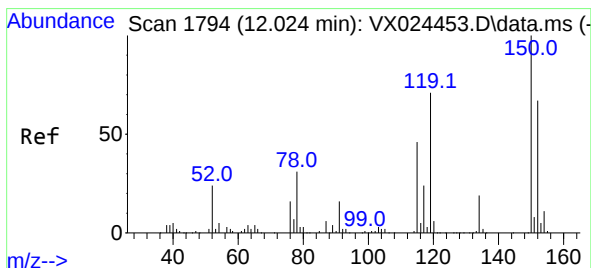
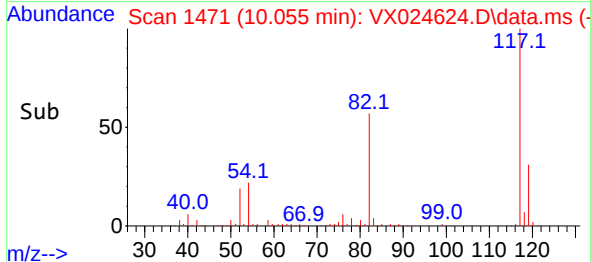
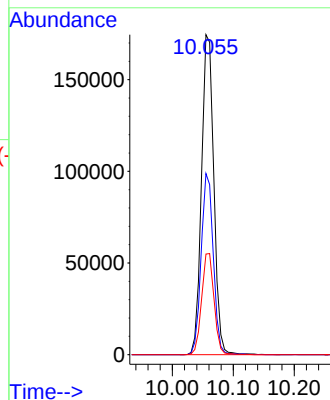
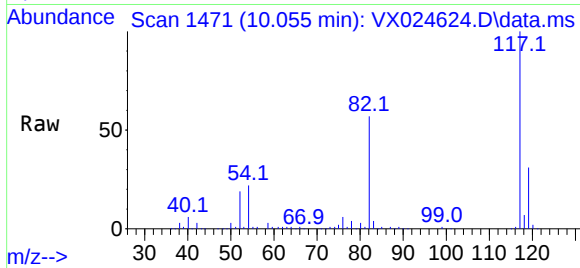




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

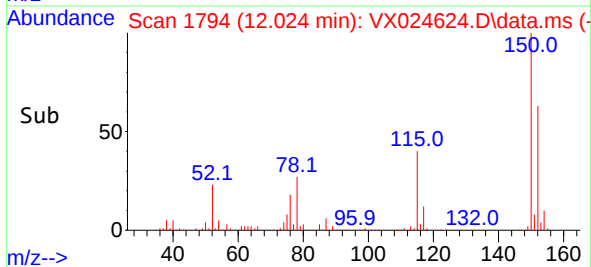
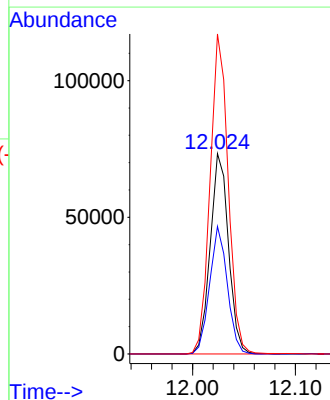
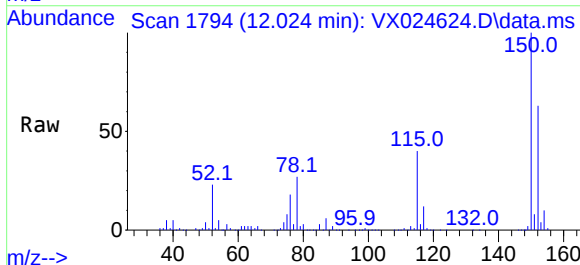
Instrument :
MSVOA_X
ClientSampled :
GW-4RE

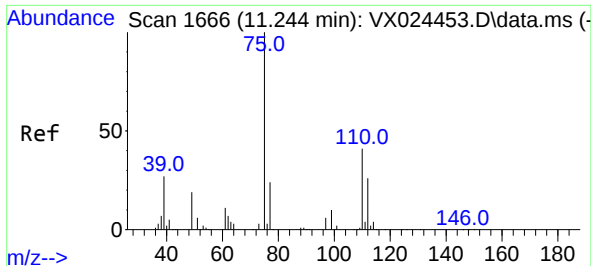
Tgt Ion:117 Resp: 245785
Ion Ratio Lower Upper
117 100
82 56.6 47.4 71.2
119 31.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

Tgt Ion:152 Resp: 90499
Ion Ratio Lower Upper
152 100
115 61.8 41.1 123.3
150 157.9 0.0 349.0

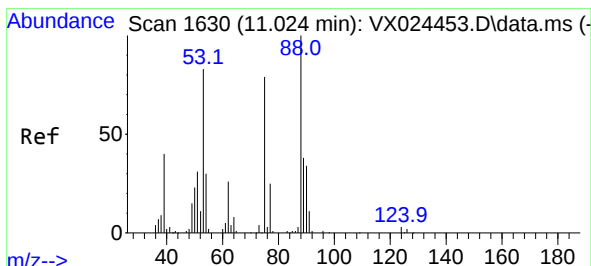
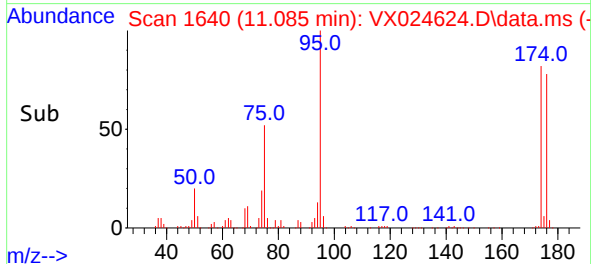
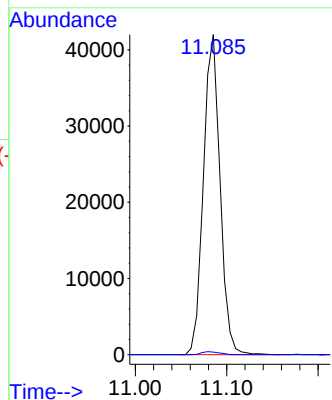
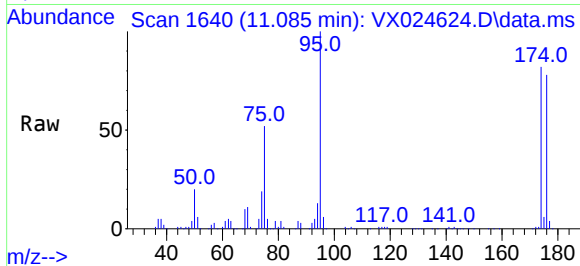




#76
1,2,3-Trichloropropane
Concen: 25.77 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

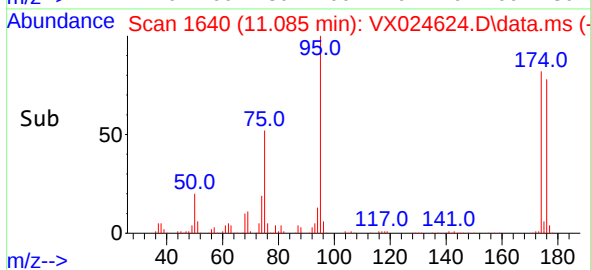
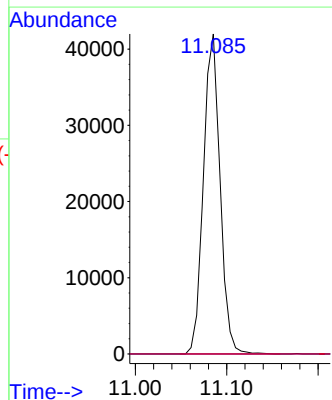
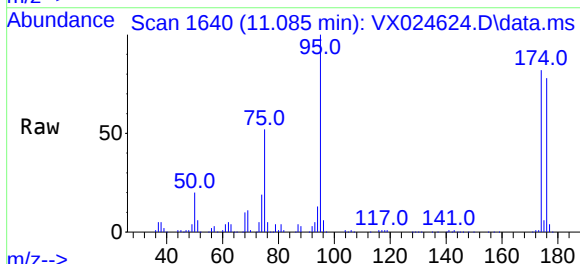
Instrument :
MSVOA_X
ClientSampled :
GW-4RE

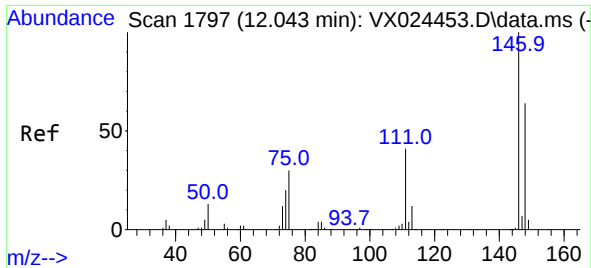
Tgt Ion: 75 Resp: 52959
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.21 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024624.D
Acq: 06 Oct 2021 17:45

Tgt Ion: 75 Resp: 52959
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: 0.24 ug/l
 RT: 12.042 min Scan# 1797
 Delta R.T. -0.001 min
 Lab File: VX024624.D
 Acq: 06 Oct 2021 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-4RE

Tgt Ion:	146	Resp:	778
Ion	Ratio	Lower	Upper
146	100		
111	191.3	19.6	58.8#
148	107.8	31.6	95.0#

