

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
 Data File : VX024595.D
 Acq On : 06 Oct 2021 01:48
 Operator : JC/MD
 Sample : M4028-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-3

Quant Time: Oct 06 06:53:17 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)

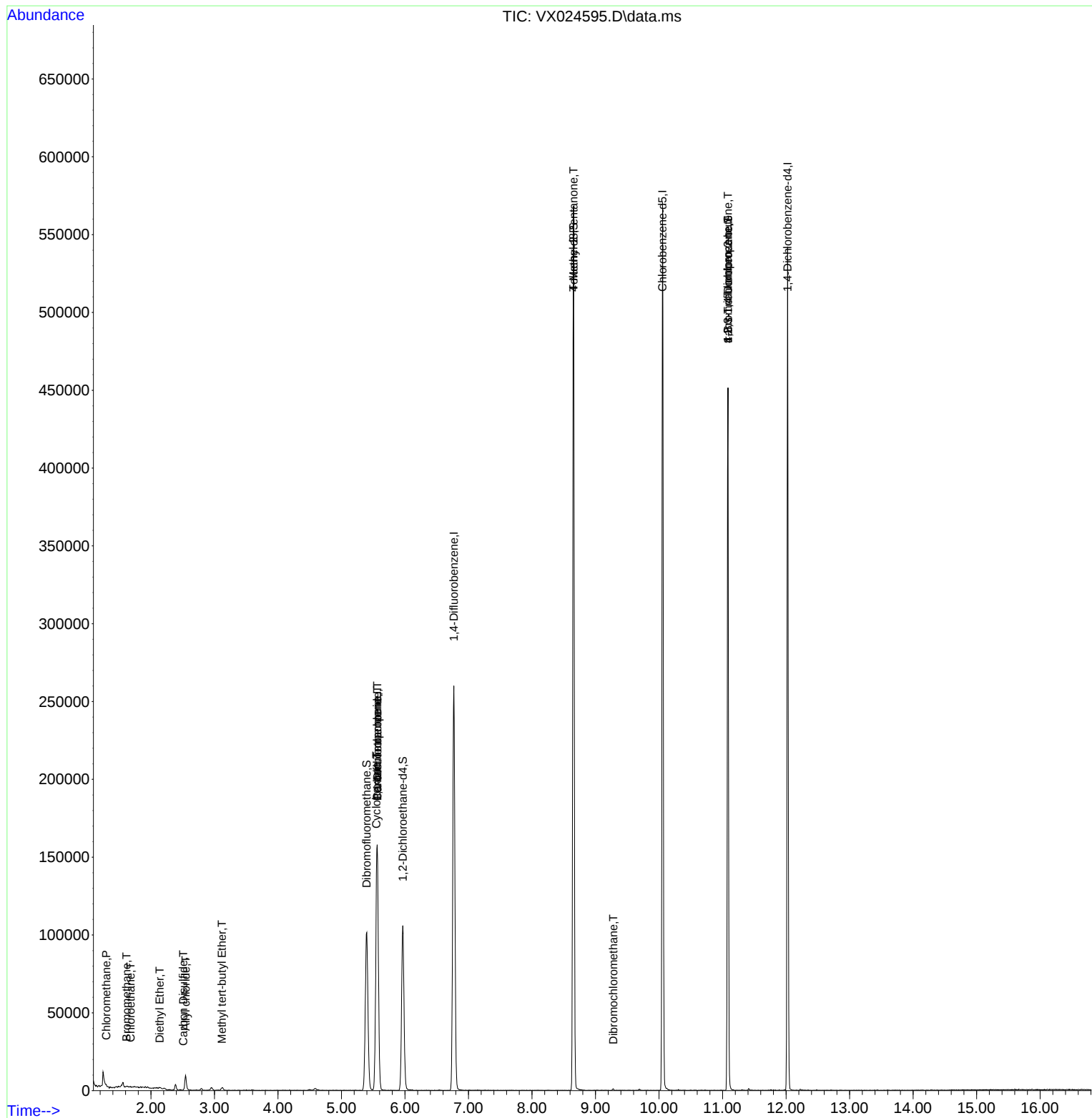
Internal Standards						
1) Pentafluorobenzene	5.562	168	150532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	267256	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	262334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107016	50.442	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.880%	
35) Dibromofluoromethane	5.397	113	89794	50.575	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.160%	
50) Toluene-d8	8.653	98	330361	50.556	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.120%	
62) 4-Bromofluorobenzene	11.085	95	119484	46.505	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.000%	
Target Compounds						Qvalue
3) Chloromethane	1.294	50	523	0.366	ug/l	90
5) Bromomethane	1.618	94	258	0.257	ug/l	88
6) Chloroethane	1.679	64	144	0.402	ug/l #	43
8) Diethyl Ether	2.136	74	185	0.206	ug/l	55
11) Tert butyl alcohol	2.959	59	1147	Below Cal	#	73
14) Allyl chloride	2.544	41	915	0.363	ug/l #	49
16) Acetone	2.386	43	3980	Below Cal		95
17) Carbon Disulfide	2.508	76	329	0.320	ug/l #	75
19) Methyl tert-butyl Ether	3.117	73	1987	0.382	ug/l	93
20) Methylene Chloride	2.794	84	539	Below Cal		92
31) Cyclohexane	5.550	56	2984	1.175	ug/l #	10
36) 1,1-Dichloropropene	5.562	75	11465	4.475	ug/l #	51
38) Carbon Tetrachloride	5.562	117	15406	5.524	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1447	0.451	ug/l #	1
60) Dibromochloromethane	9.281	129	125	1.242	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	60571	24.477	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	60571	66.787	ug/l #	12

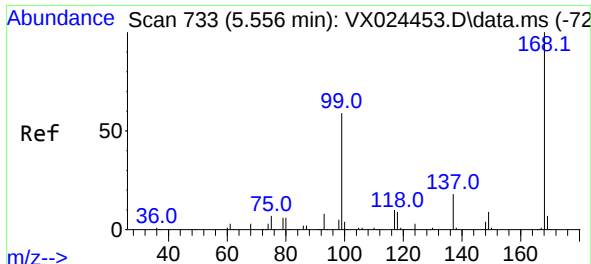
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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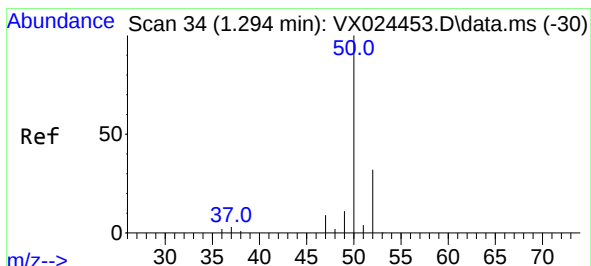
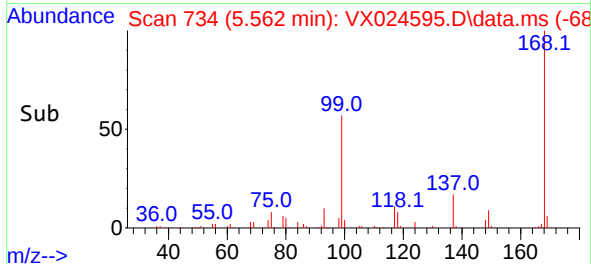
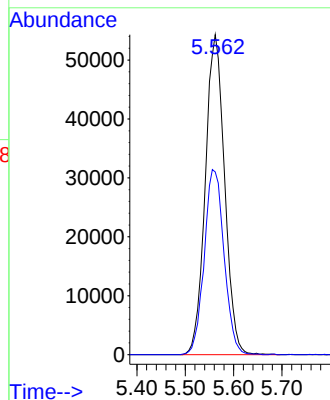
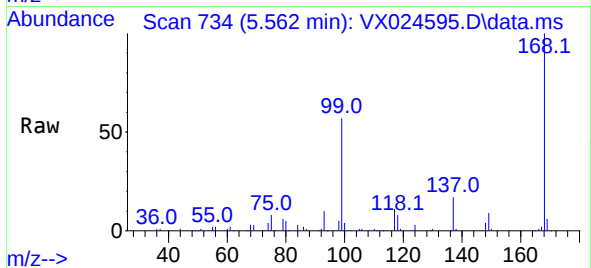




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

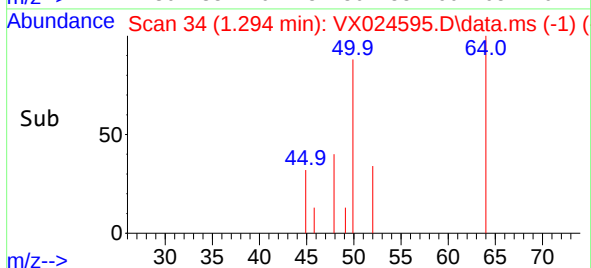
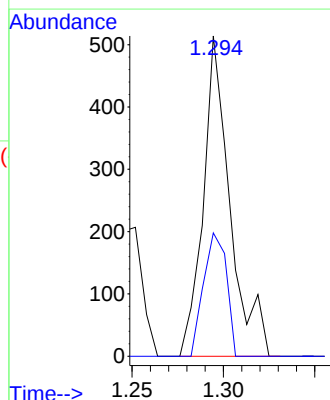
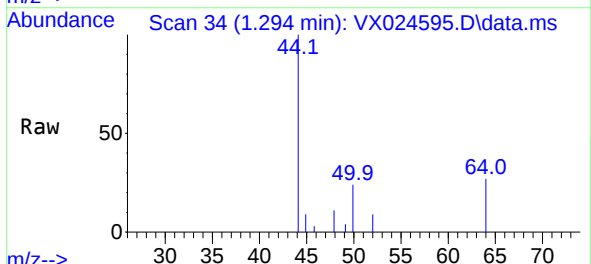
Instrument :
MSVOA_X
ClientSampled :
GW-3

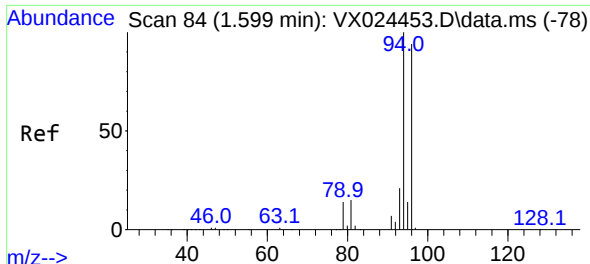
Tgt Ion:168 Resp: 150532
Ion Ratio Lower Upper
168 100
99 57.1 45.8 68.6



#3
Chloromethane
Concen: 0.366 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

Tgt Ion: 50 Resp: 523
Ion Ratio Lower Upper
50 100
52 38.5 26.4 39.6

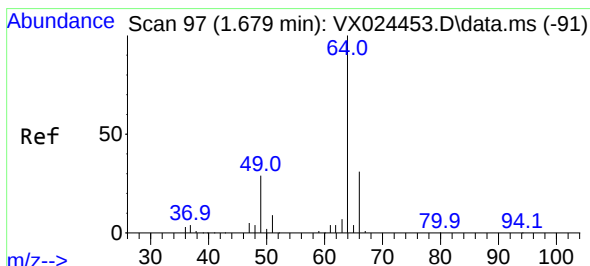
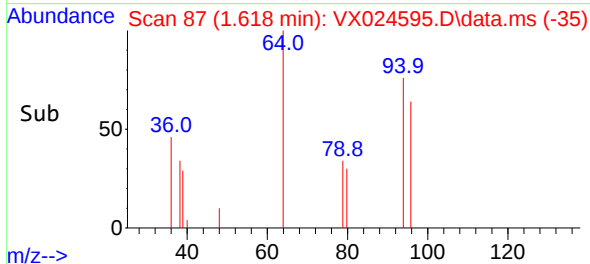
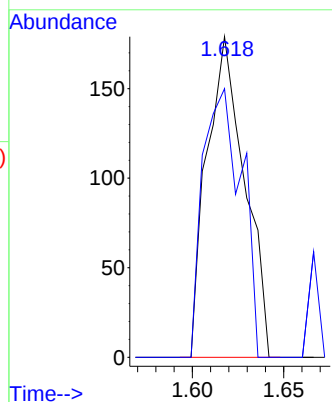
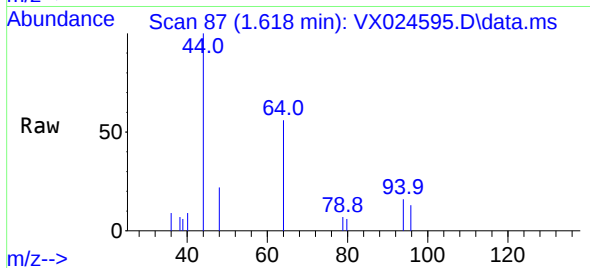




#5
Bromomethane
Concen: 0.257 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

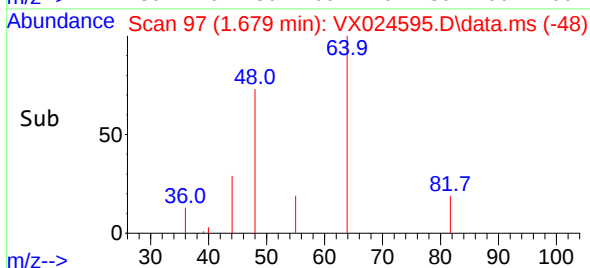
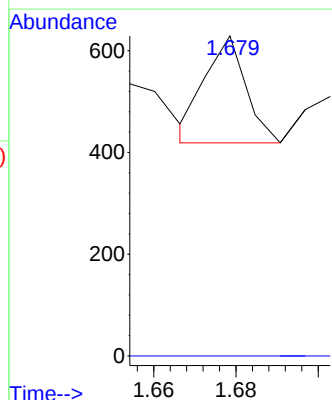
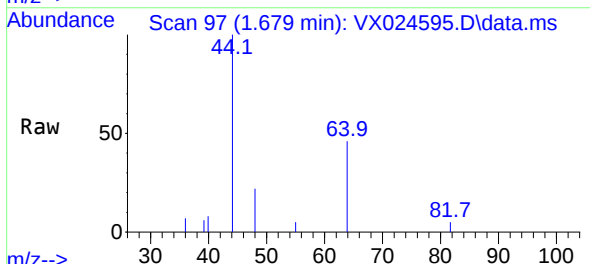
Instrument :
MSVOA_X
ClientSampled :
GW-3

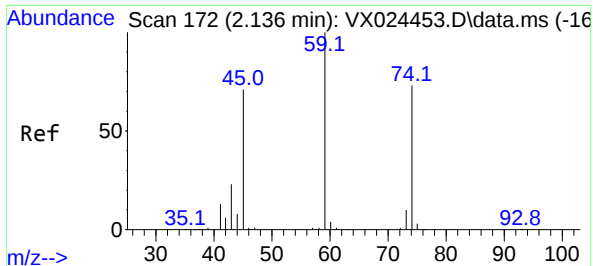
Tgt Ion: 94 Resp: 258
Ion Ratio Lower Upper
94 100
96 83.8 76.4 114.6



#6
Chloroethane
Concen: 0.402 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

Tgt Ion: 64 Resp: 144
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

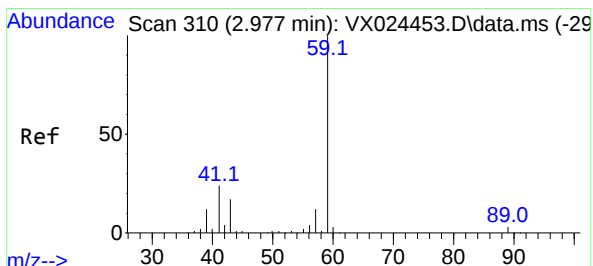
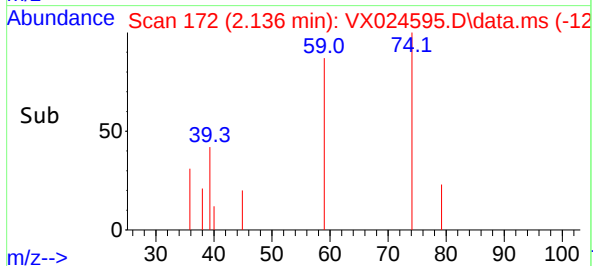
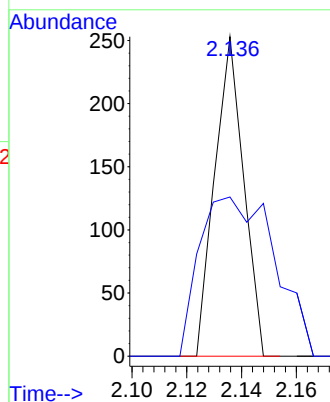
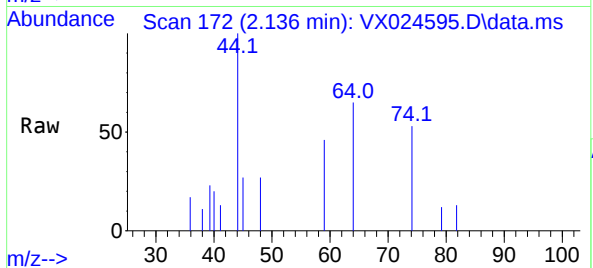




#8
Diethyl Ether
Concen: 0.206 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

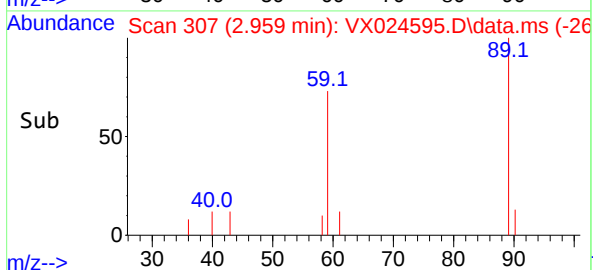
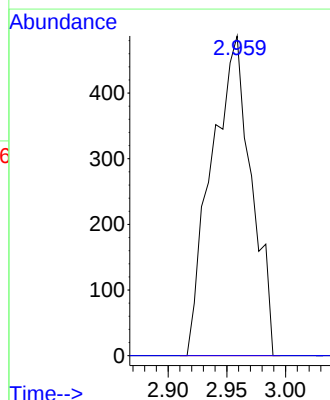
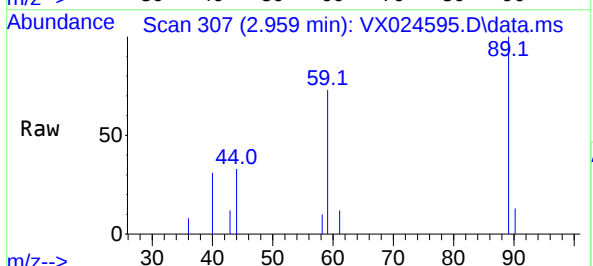
Instrument :
MSVOA_X
ClientSampled :
GW-3

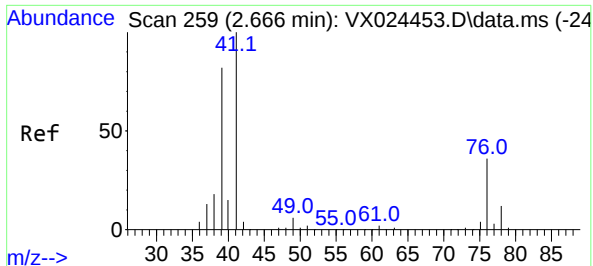
Tgt Ion: 74 Resp: 185
Ion Ratio Lower Upper
74 100
45 130.8 44.5 133.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

Tgt Ion: 59 Resp: 1147
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

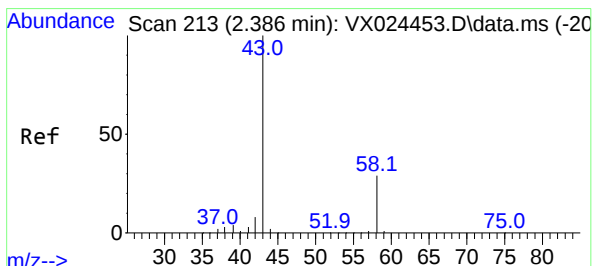
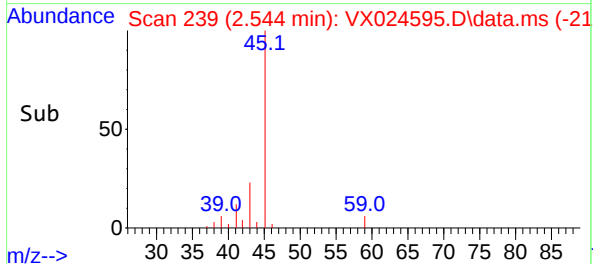
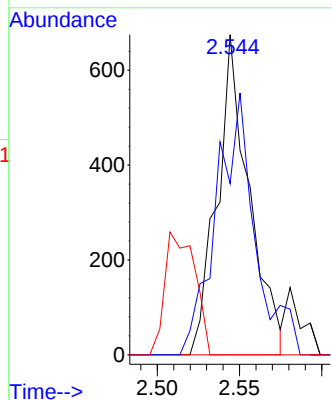
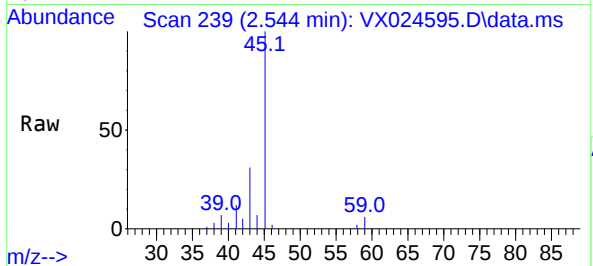




#14
 Allyl chloride
 Concen: 0.363 ug/l
 RT: 2.544 min Scan# 239
 Delta R.T. -0.122 min
 Lab File: VX024595.D
 Acq: 06 Oct 2021 01:48

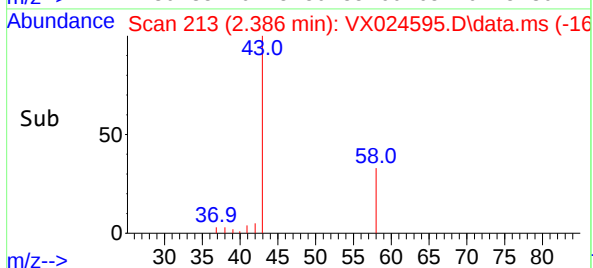
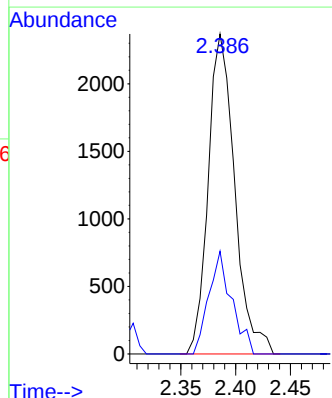
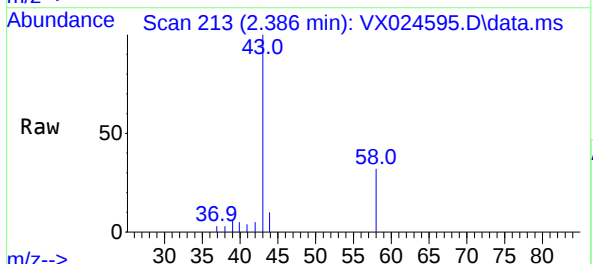
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-3

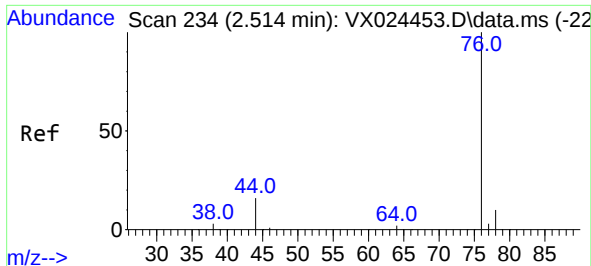
Tgt Ion:	41	Resp:	915
Ion	Ratio	Lower	Upper
41	100		
39	99.0	51.6	77.4#
76	0.0	30.5	45.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX024595.D
 Acq: 06 Oct 2021 01:48

Tgt Ion:	43	Resp:	3980
Ion	Ratio	Lower	Upper
43	100		
58	32.1	27.8	41.8

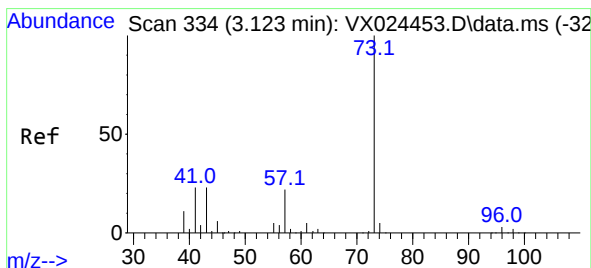
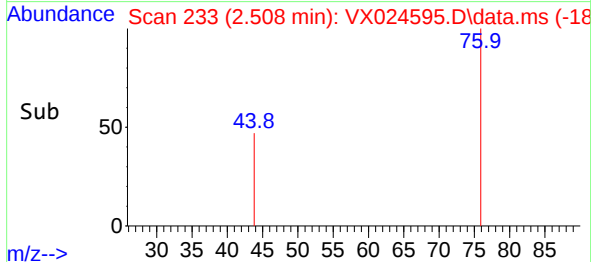
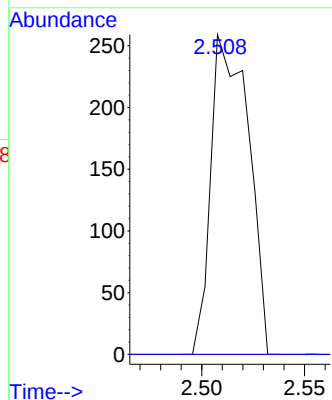
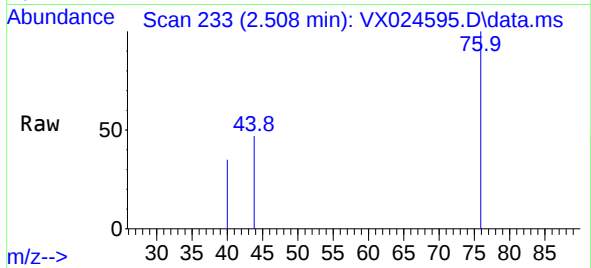




#17
Carbon Disulfide
Concen: 0.320 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

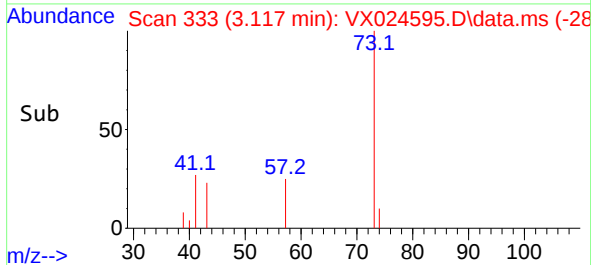
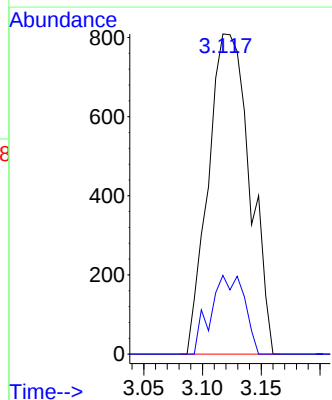
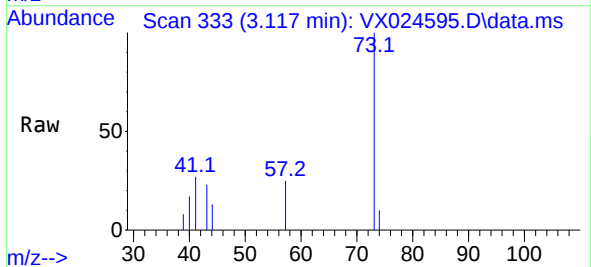
Instrument :
MSVOA_X
ClientSampled :
GW-3

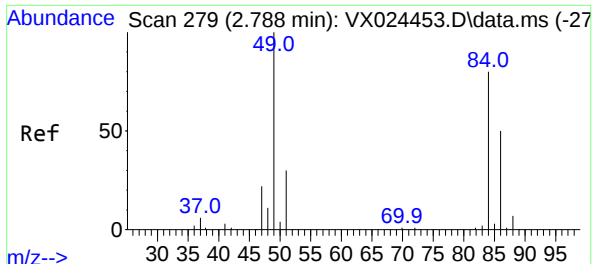
Tgt Ion: 76 Resp: 329
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 0.382 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.006 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

Tgt Ion: 73 Resp: 1987
Ion Ratio Lower Upper
73 100
57 24.6 17.1 25.7





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX024595.D

Acq: 06 Oct 2021 01:48

Instrument :

MSVOA_X

ClientSampleId :

GW-3

Tgt Ion: 84 Resp: 539

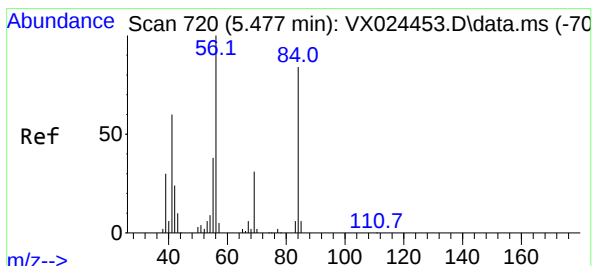
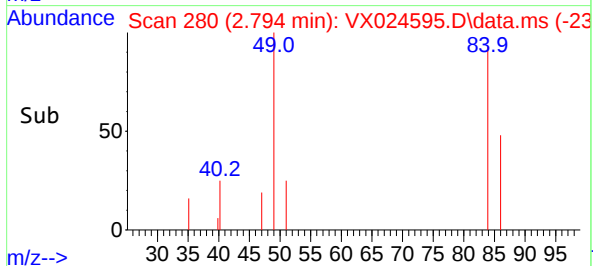
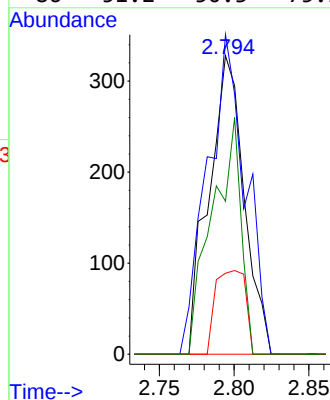
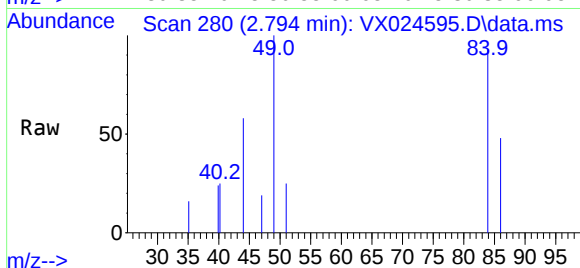
Ion Ratio Lower Upper

84 100

49 107.0 88.6 132.8

51 27.1 27.0 40.6

86 51.2 50.3 75.5



#31

Cyclohexane

Concen: 1.175 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX024595.D

Acq: 06 Oct 2021 01:48

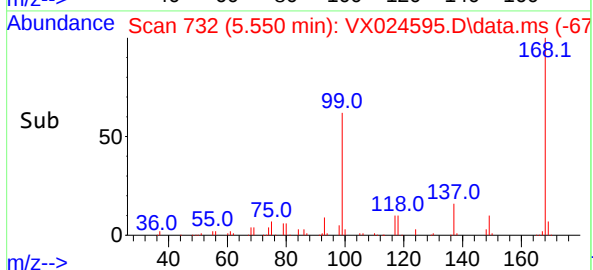
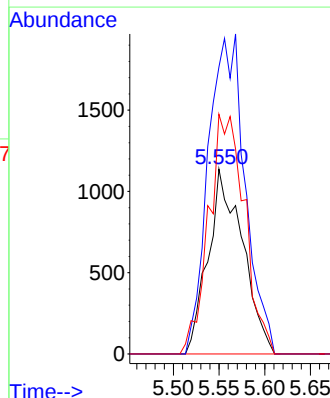
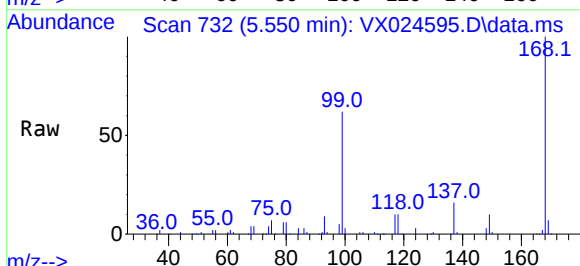
Tgt Ion: 56 Resp: 2984

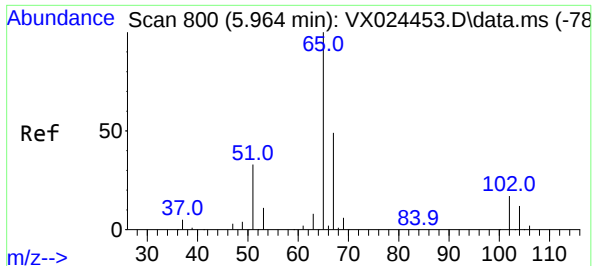
Ion Ratio Lower Upper

56 100

69 155.1 25.3 37.9#

84 129.6 71.4 107.0#

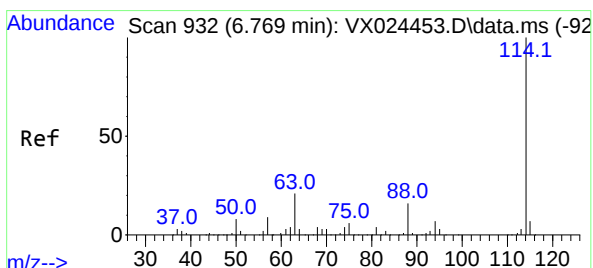
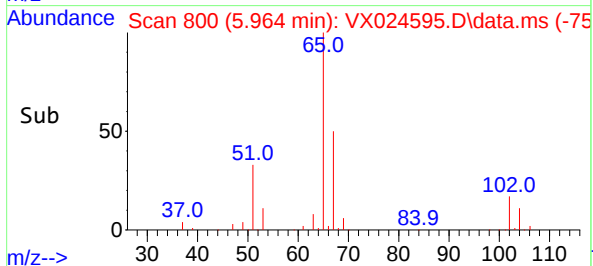
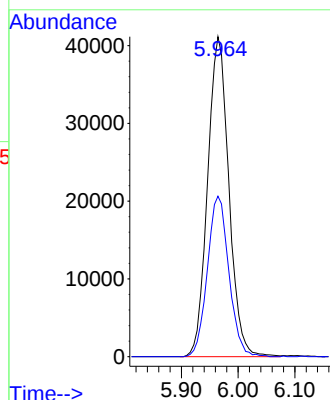
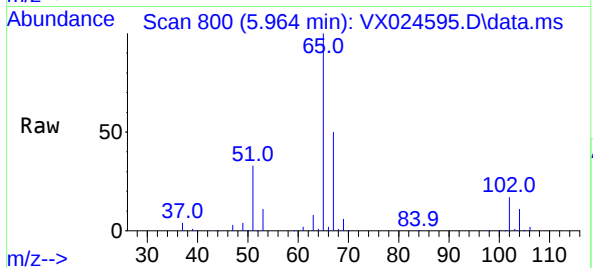




#33
 1,2-Dichloroethane-d4
 Concen: 50.442 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX024595.D
 Acq: 06 Oct 2021 01:48

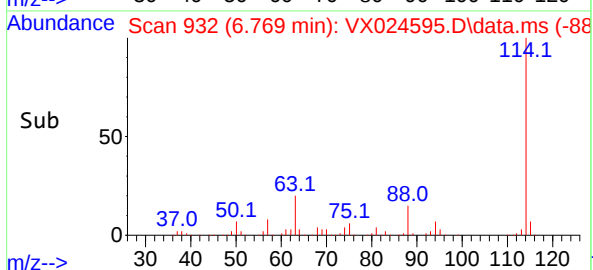
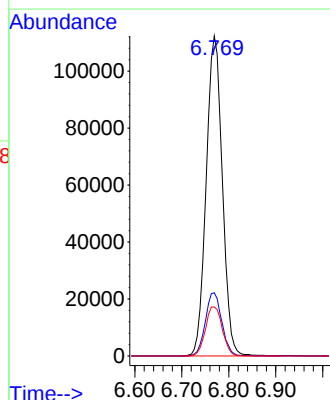
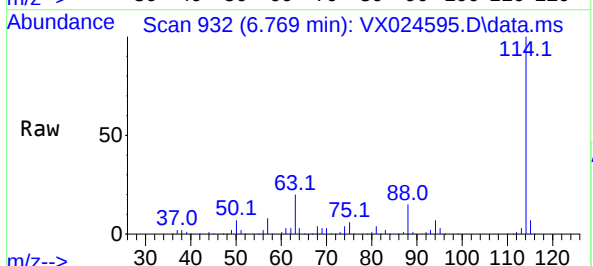
Instrument :
 MSVOA_X
 ClientSampled :
 GW-3

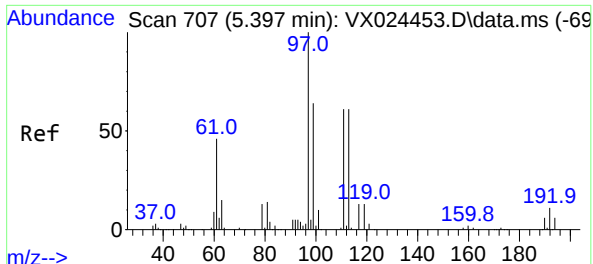
Tgt Ion: 65 Resp: 107016
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX024595.D
 Acq: 06 Oct 2021 01:48

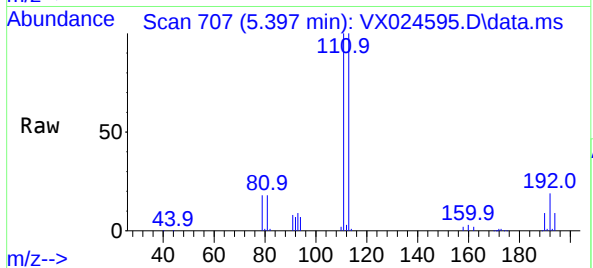
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 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.8
 88 15.3 0.0 32.8



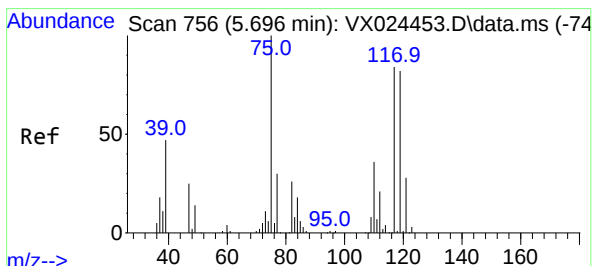
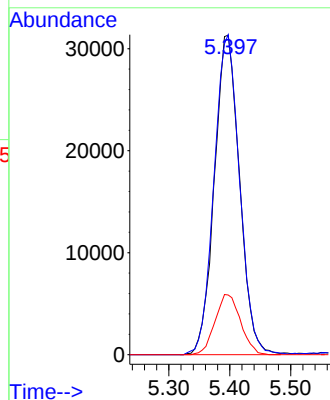
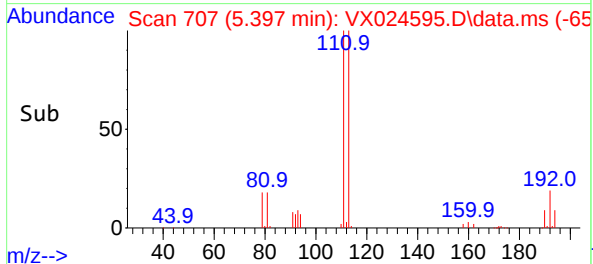


#35
Dibromofluoromethane
Concen: 50.575 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

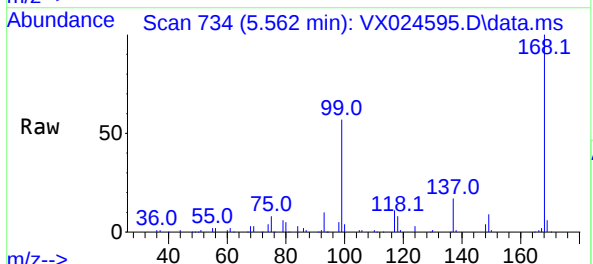
Instrument :
MSVOA_X
ClientSampleId :
GW-3



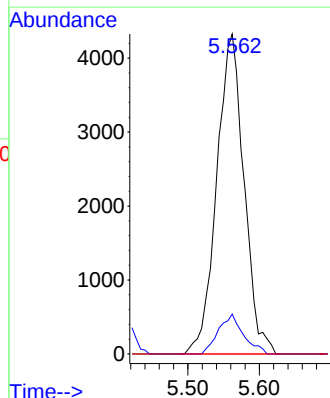
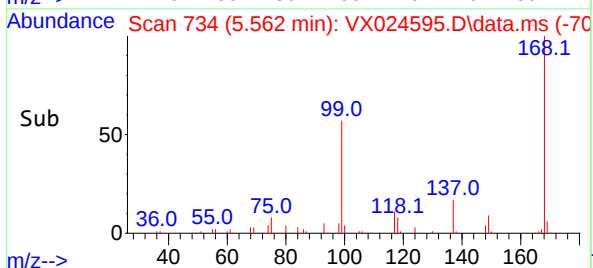
Tgt Ion:113 Resp: 89794
Ion Ratio Lower Upper
113 100
111 101.5 81.9 122.9
192 19.1 16.7 25.1

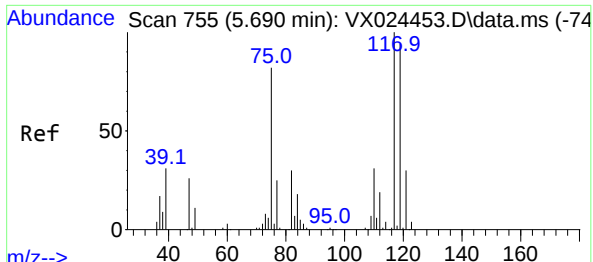


#36
1,1-Dichloropropene
Concen: 4.475 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48



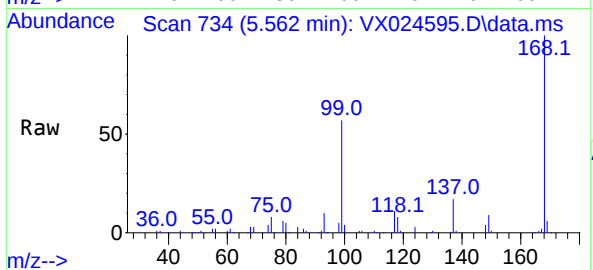
Tgt Ion: 75 Resp: 11465
Ion Ratio Lower Upper
75 100
110 11.4 18.1 54.4#
77 0.0 25.3 37.9#



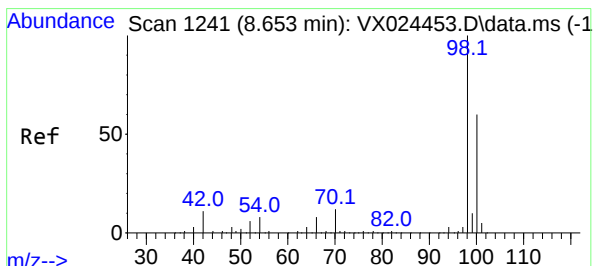
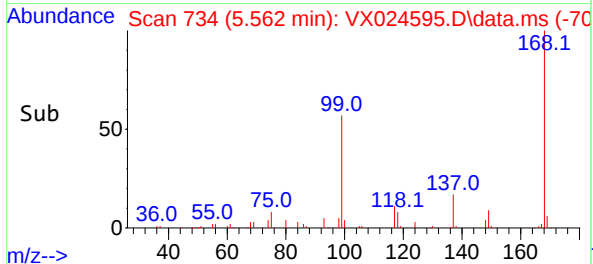
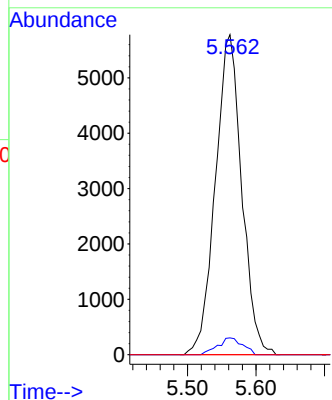


#38
Carbon Tetrachloride
Concen: 5.524 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

Instrument :
MSVOA_X
ClientSampled :
GW-3

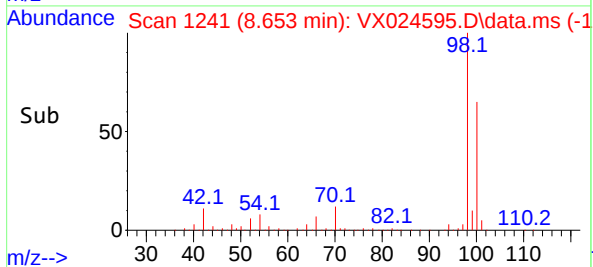
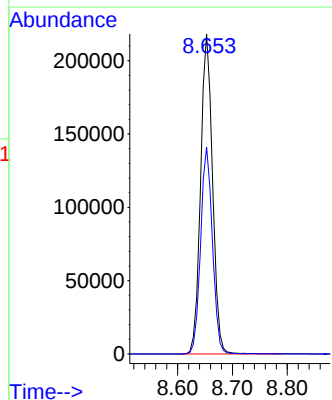
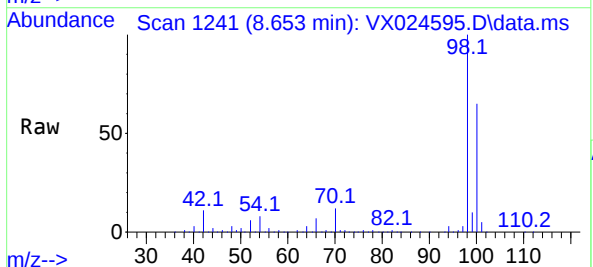


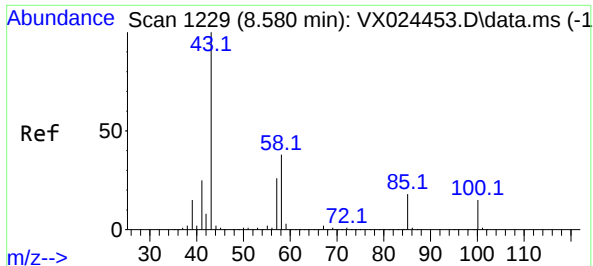
Tgt Ion:117 Resp: 15406
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.556 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

Tgt Ion: 98 Resp: 330361
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9

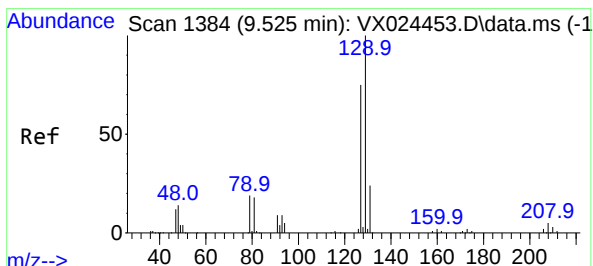
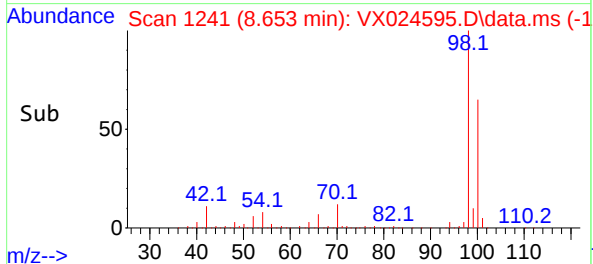
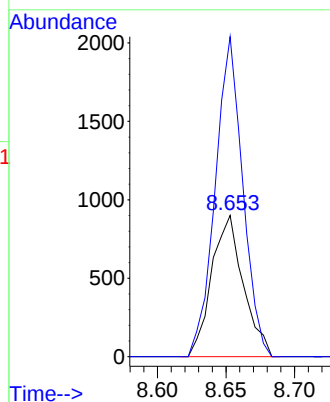
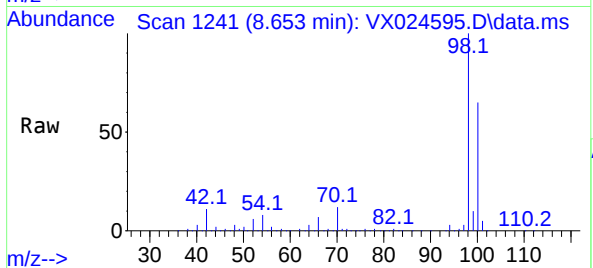




#51
4-Methyl-2-Pentanone
Concen: 0.451 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

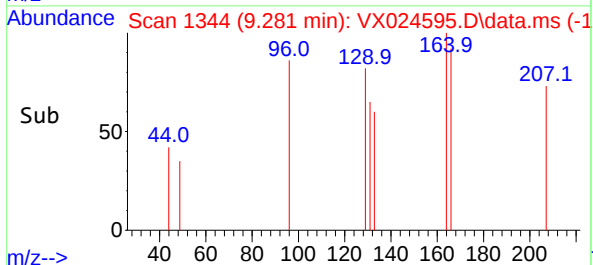
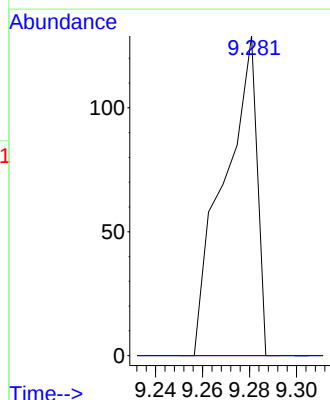
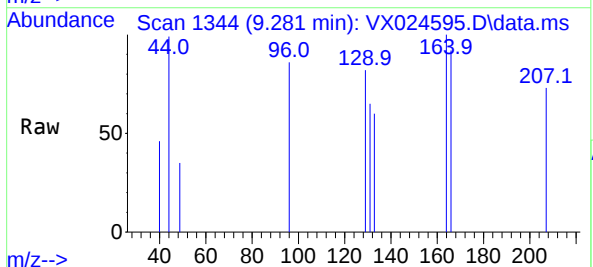
Instrument :
MSVOA_X
ClientSampled :
GW-3

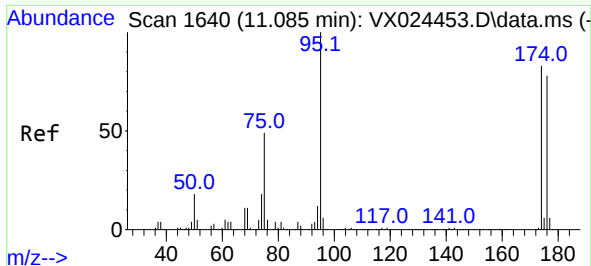
Tgt Ion: 43 Resp: 1447
Ion Ratio Lower Upper
43 100
58 196.9 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.242 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

Tgt Ion: 129 Resp: 125
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

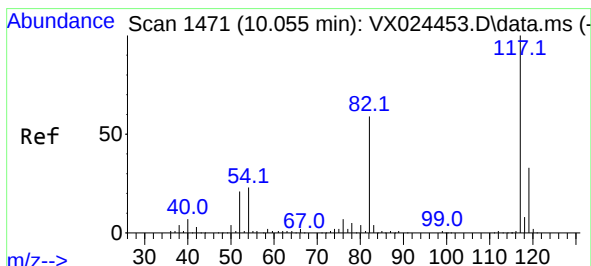
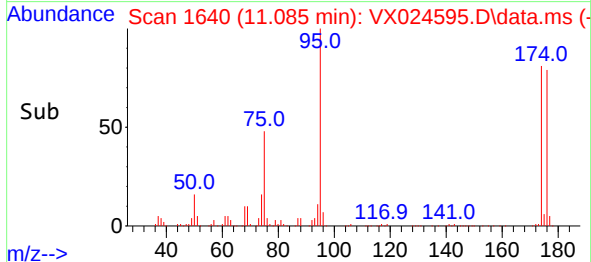
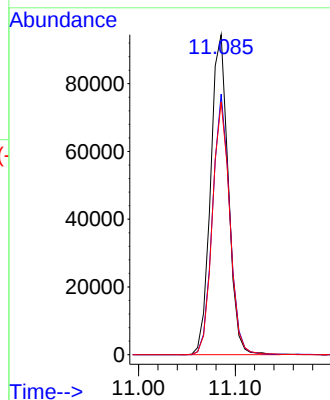
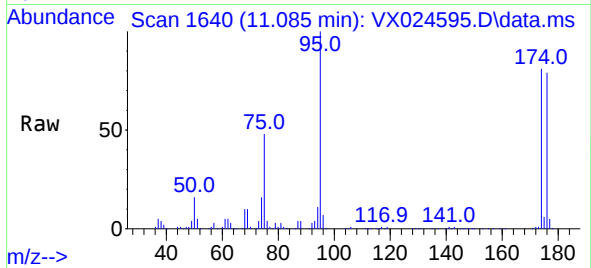




#62
4-Bromofluorobenzene
Concen: 46.505 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

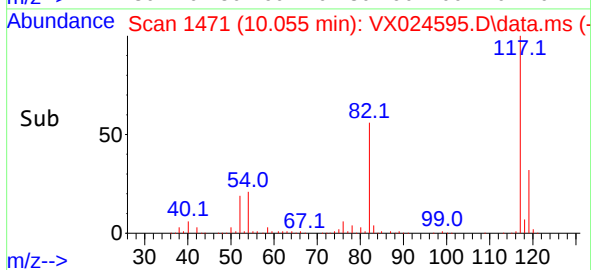
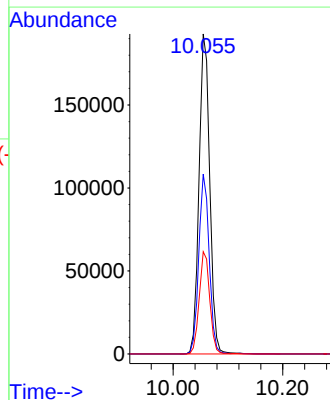
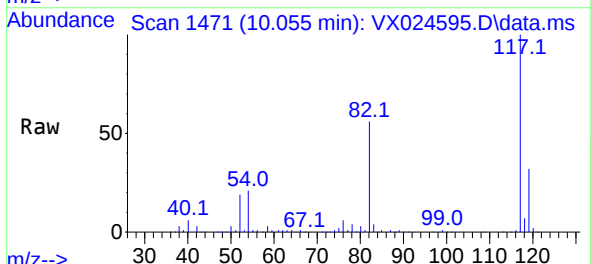
Instrument :
MSVOA_X
ClientSampled :
GW-3

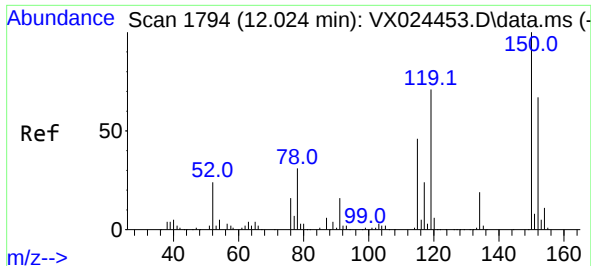
Tgt Ion: 95 Resp: 119484
Ion Ratio Lower Upper
95 100
174 79.0 0.0 154.6
176 77.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

Tgt Ion: 117 Resp: 262334
Ion Ratio Lower Upper
117 100
82 56.2 47.4 71.2
119 32.0 26.6 39.8

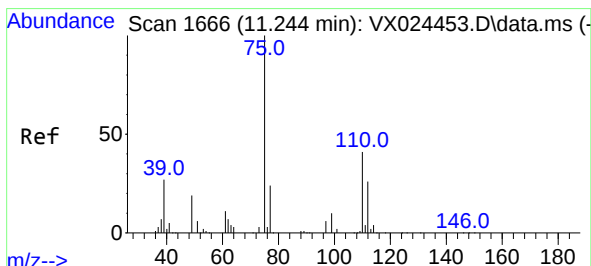
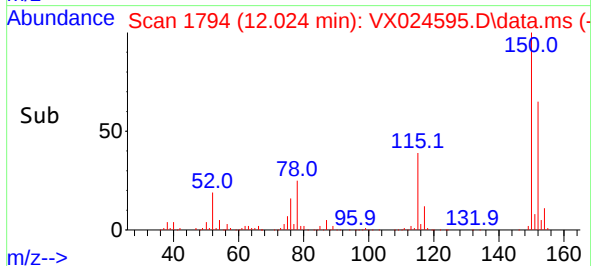
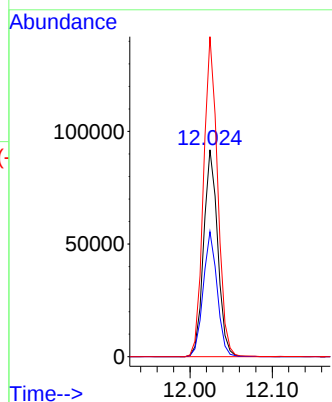
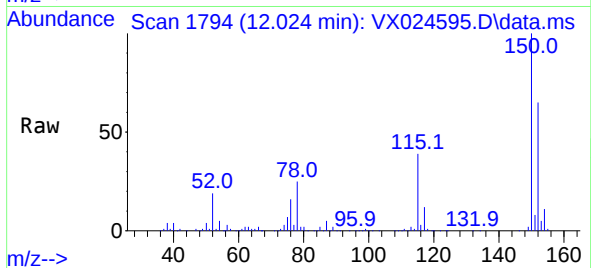




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

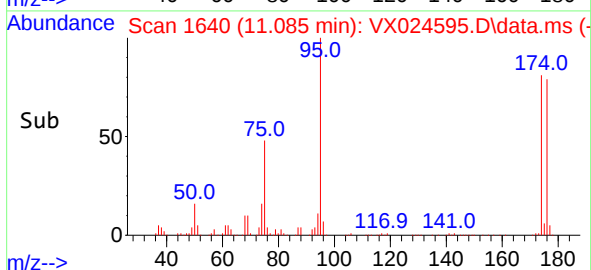
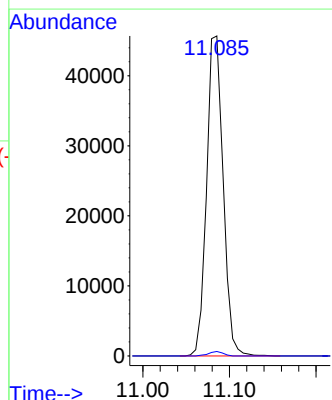
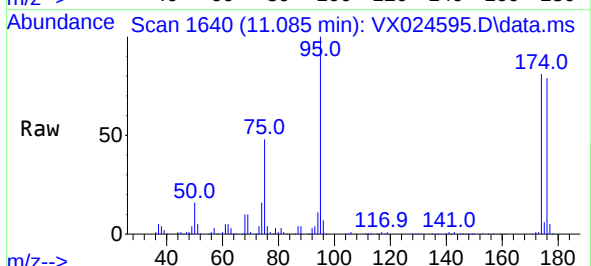
Instrument :
MSVOA_X
ClientSampled :
GW-3

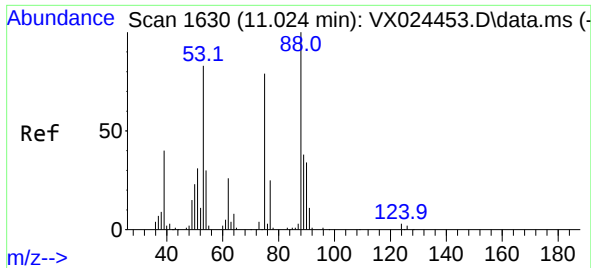
Tgt Ion:152 Resp: 108970
Ion Ratio Lower Upper
152 100
115 60.0 41.1 123.3
150 155.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 24.477 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

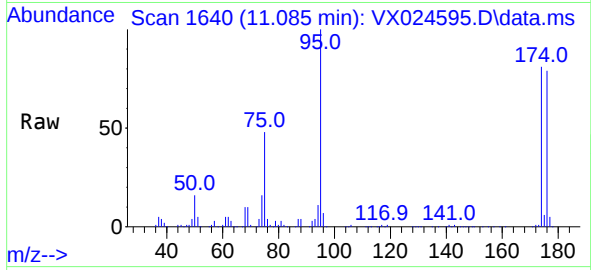
Tgt Ion: 75 Resp: 60571
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 66.787 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024595.D
Acq: 06 Oct 2021 01:48

Instrument :
MSVOA_X
ClientSampleId :
GW-3



Tgt Ion: 75 Resp: 60571
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

