

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112921\
 Data File : VX025370.D
 Acq On : 29 Nov 2021 15:24
 Operator : JC/MD
 Sample : M4816-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWBR3D-B-378-399-112221

Quant Time: Nov 29 15:55:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

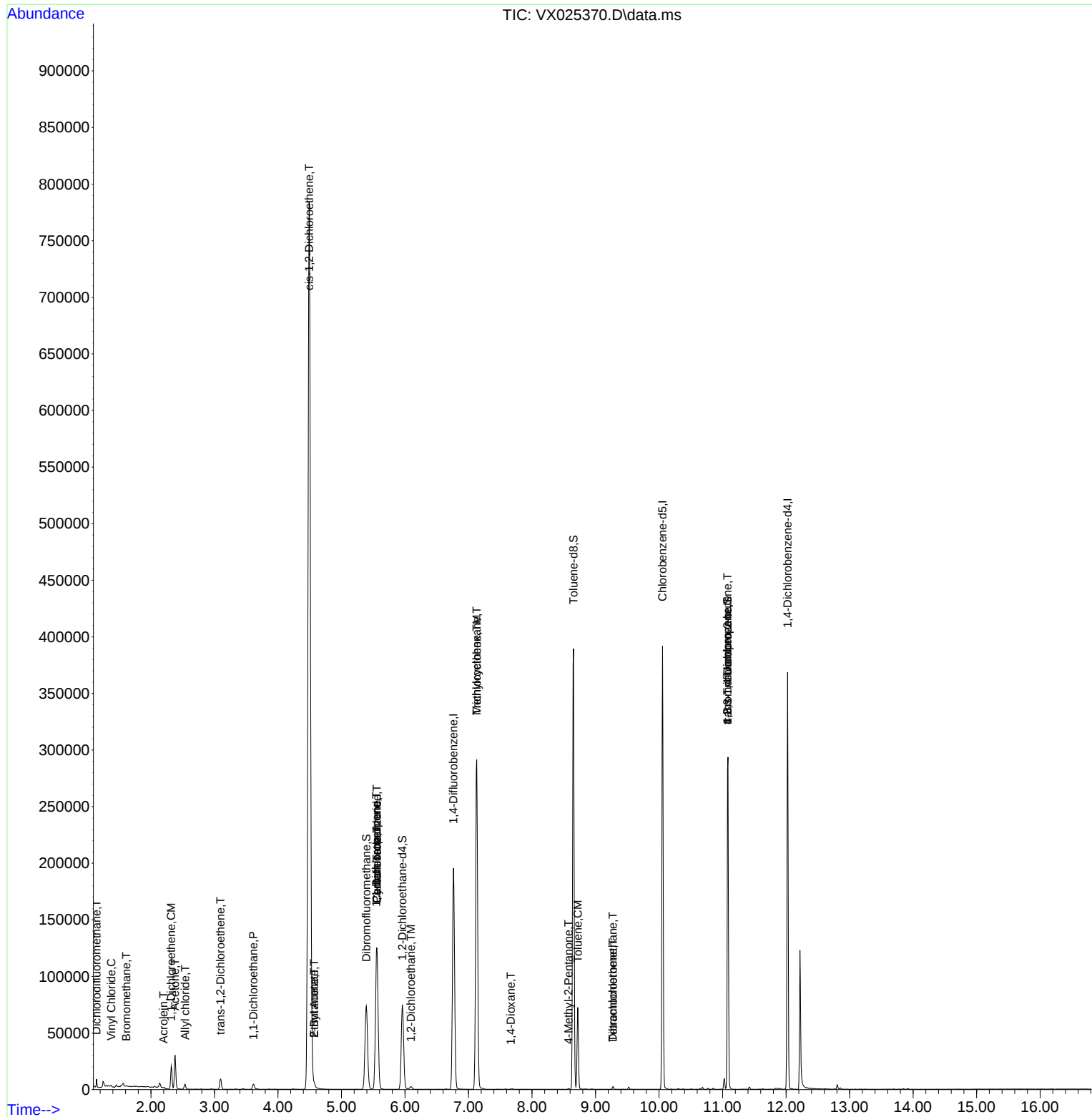
Internal Standards						
1) Pentafluorobenzene	5.556	168	129566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	208970	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69780	51.094	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.180%			
35) Dibromofluoromethane	5.391	113	64973	50.674	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.340%			
50) Toluene-d8	8.653	98	238906	49.557	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.120%			
62) 4-Bromofluorobenzene	11.079	95	79864	43.791	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.142	85	527	0.469	ug/l	97
4) Vinyl Chloride	1.374	62	717	0.470	ug/l #	84
5) Bromomethane	1.611	94	245	0.373	ug/l	97
11) Tert butyl alcohol	2.946	59	364	Below Cal	#	72
12) 1,1-Dichloroethene	2.318	96	6882	5.731	ug/l	89
13) Acrolein	2.197	56	40	0.639	ug/l #	1
14) Allyl chloride	2.538	41	496	0.228	ug/l #	72
16) Acetone	2.379	43	30607	40.332	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	3939	2.994	ug/l	84
24) 1,1-Dichloroethane	3.611	63	5179	2.290	ug/l	96
25) 2-Butanone	4.568	43	6109	5.568	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	524478	341.393	ug/l	80
31) Cyclohexane	5.556	56	2280	1.080	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8781	4.816	ug/l #	49
37) Ethyl Acetate	4.568	43	6109	2.945	ug/l #	68
38) Carbon Tetrachloride	5.556	117	12075	6.013	ug/l #	17
39) Methylcyclohexane	7.129	83	1383	0.591	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	2721	1.514	ug/l	94
44) Trichloroethene	7.129	130	118810	74.052	ug/l	91
49) 1,4-Dioxane	7.665	88	345	10.084	ug/l #	82
51) 4-Methyl-2-Pentanone	8.573	43	592	0.273	ug/l #	83
52) Toluene	8.720	92	27454	7.614	ug/l	97
60) Dibromochloromethane	9.275	129	399	0.242	ug/l #	11
64) Tetrachloroethene	9.275	164	535	0.356	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	38802	24.278	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38802	61.160	ug/l #	9
95) Naphthalene	13.780	128	213	Below Cal	#	69

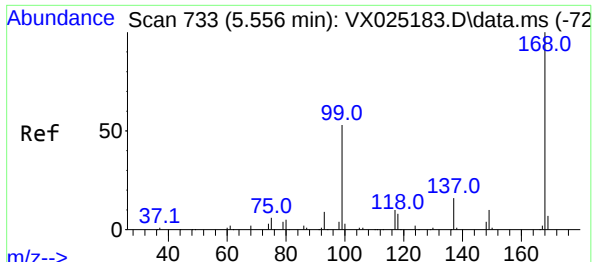
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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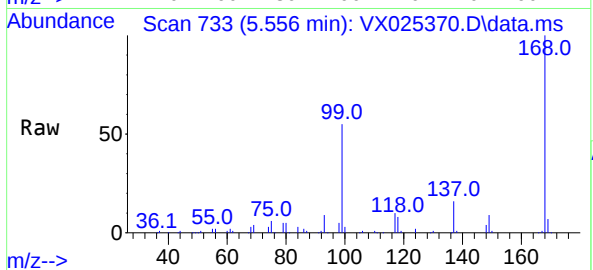
Quant Time: Nov 29 15:55:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
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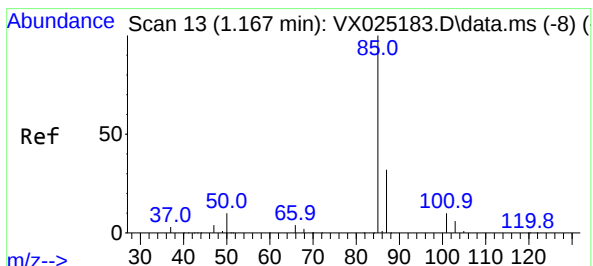
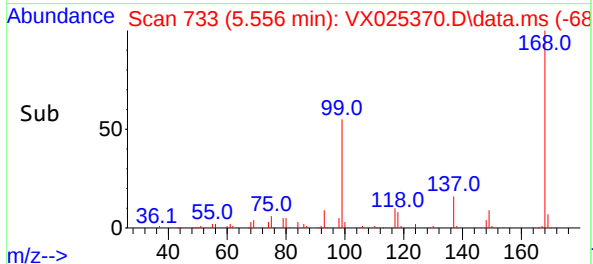
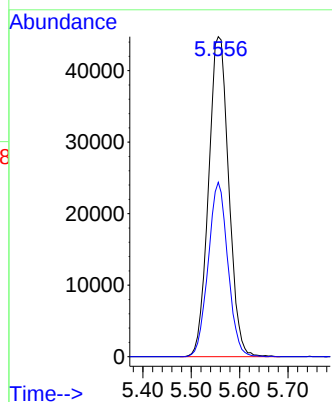


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

Instrument :
MSVOA_X
ClientSampleId :
GWBR3D-B-378-399-112221

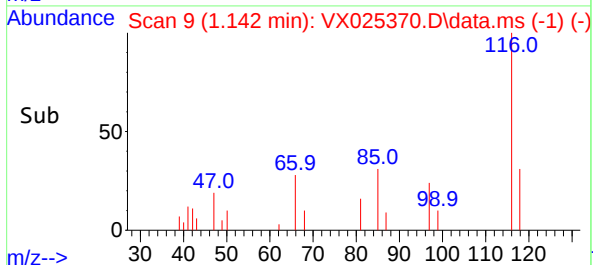
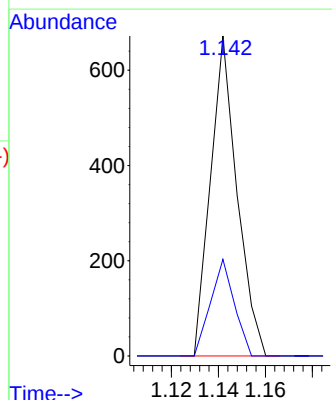
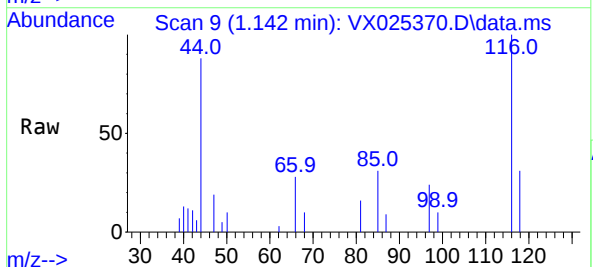


Tgt Ion:168 Resp: 129566
Ion Ratio Lower Upper
168 100
99 54.5 46.4 69.6

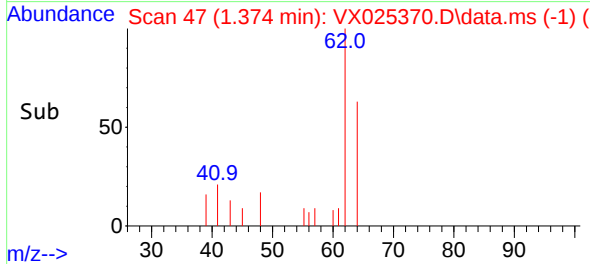
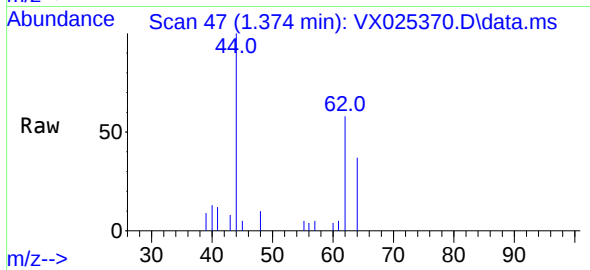
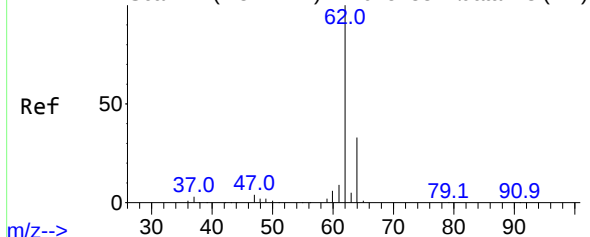


#2
Dichlorodifluoromethane
Concen: 0.469 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.025 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

Tgt Ion: 85 Resp: 527
Ion Ratio Lower Upper
85 100
87 30.2 16.0 47.9



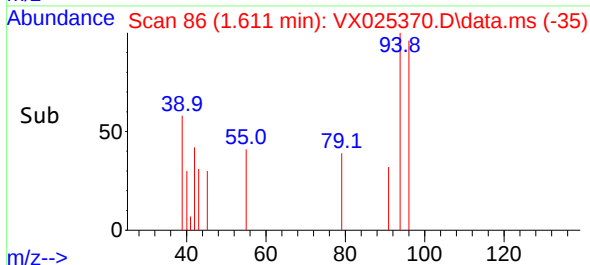
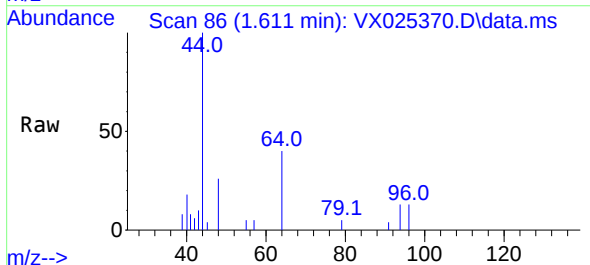
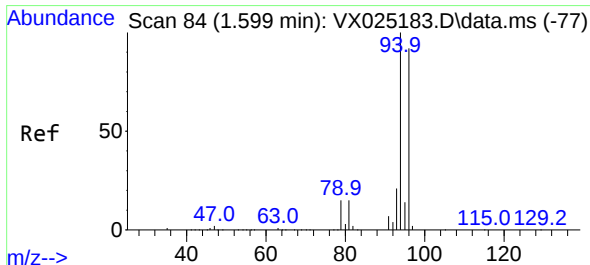
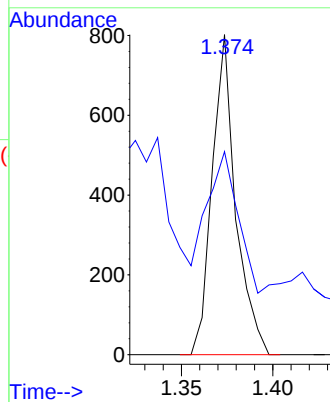
Abundance Scan 47 (1.374 min): VX025183.D\data.ms (-42)



#4
Vinyl Chloride
Concen: 0.470 ug/l
RT: 1.374 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

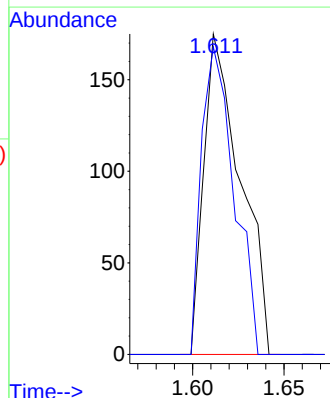
Instrument :
MSVOA_X
ClientSampleId :
GWBR3D-B-378-399-112221

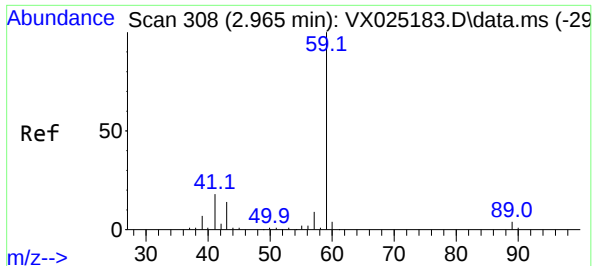
Tgt Ion: 62 Resp: 717
Ion Ratio Lower Upper
62 100
64 41.3 26.0 39.0#



#5
Bromomethane
Concen: 0.373 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

Tgt Ion: 94 Resp: 245
Ion Ratio Lower Upper
94 100
96 96.0 74.8 112.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 308

Delta R.T. -0.019 min

Lab File: VX025370.D

Acq: 29 Nov 2021 15:24

Instrument :

MSVOA_X

ClientSampleId :

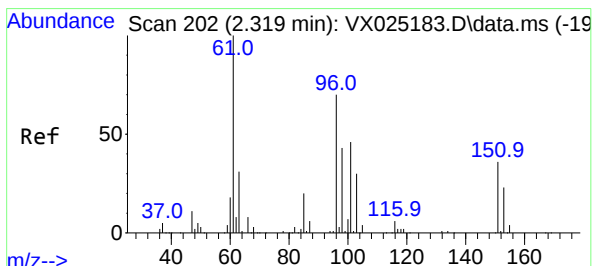
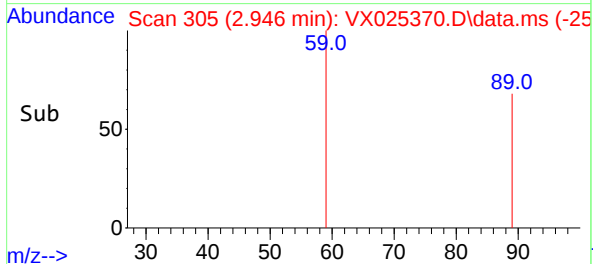
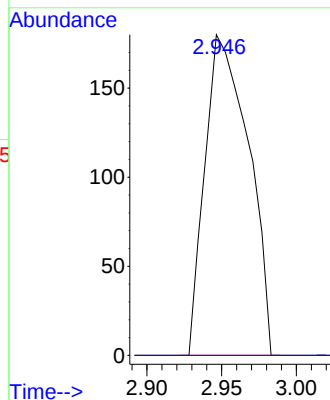
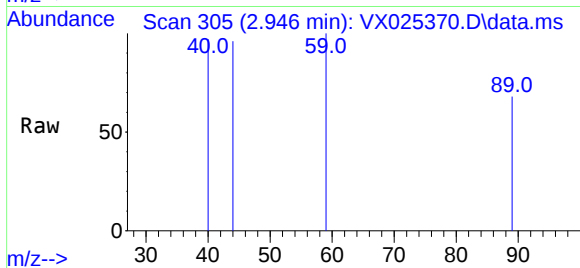
GWBR3D-B-378-399-112221

Tgt Ion: 59 Resp: 364

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#12

1,1-Dichloroethene

Concen: 5.731 ug/l

RT: 2.318 min Scan# 202

Delta R.T. -0.001 min

Lab File: VX025370.D

Acq: 29 Nov 2021 15:24

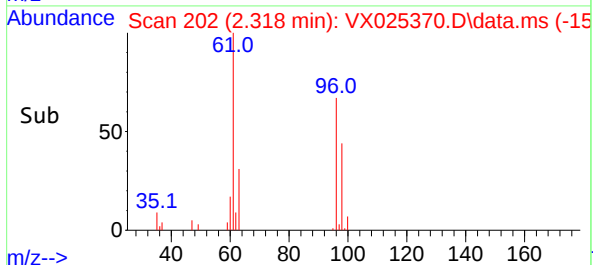
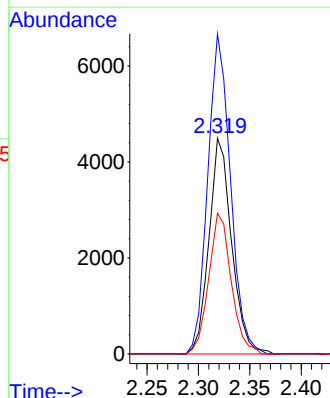
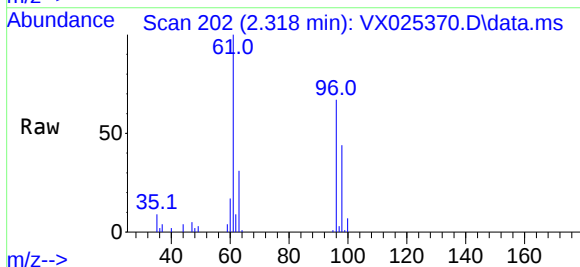
Tgt Ion: 96 Resp: 6882

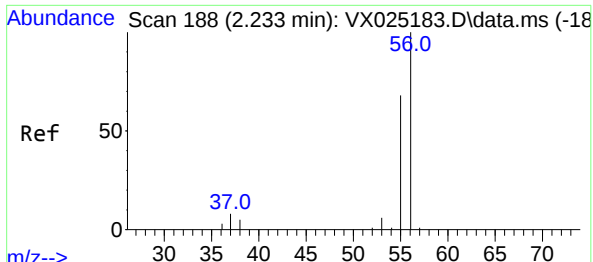
Ion Ratio Lower Upper

96 100

61 148.3 134.1 201.1

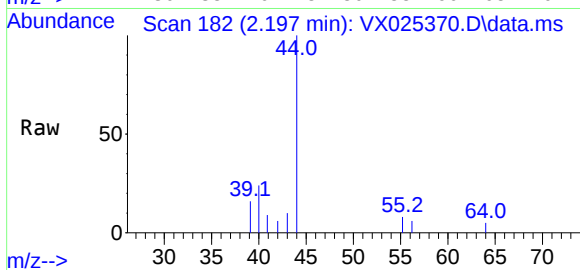
98 65.2 51.5 77.3



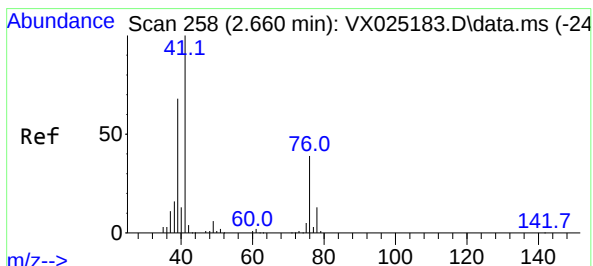
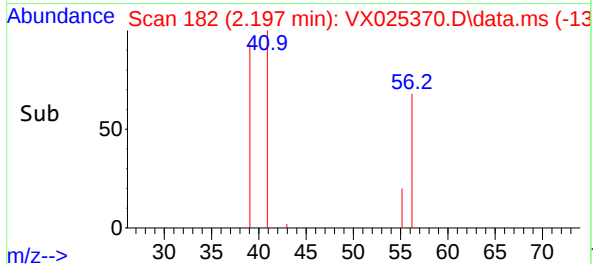
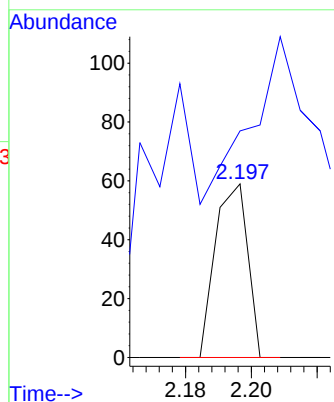


#13
Acrolein
Concen: 0.639 ug/l
RT: 2.197 min Scan# 11
Delta R.T. -0.036 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

Instrument : MSVOA_X
ClientSampleId : GWBR3D-B-378-399-112221

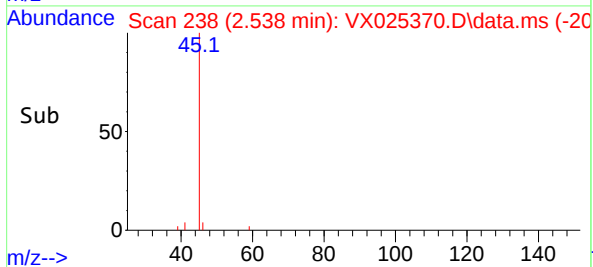
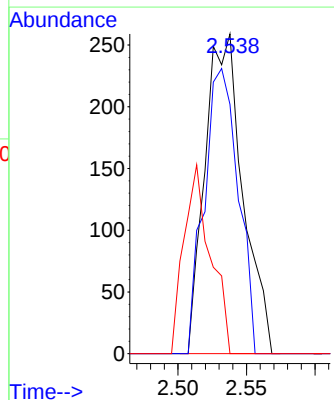
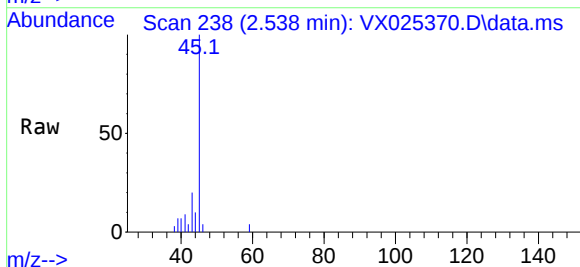


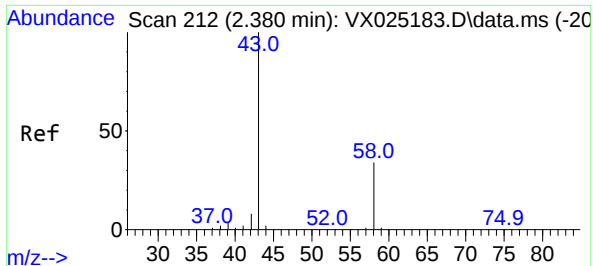
Tgt Ion: 56 Resp: 40
Ion Ratio Lower Upper
56 100
55 492.5 58.6 87.8#



#14
Allyl chloride
Concen: 0.228 ug/l
RT: 2.538 min Scan# 238
Delta R.T. -0.122 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

Tgt Ion: 41 Resp: 496
Ion Ratio Lower Upper
41 100
39 80.4 54.6 82.0
76 0.0 25.3 37.9#

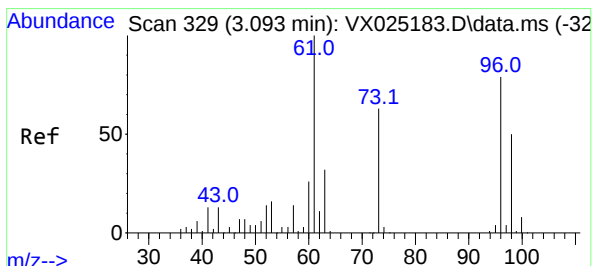
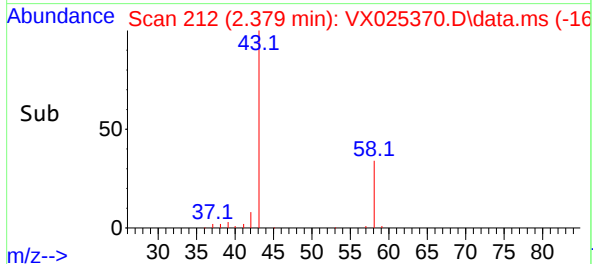
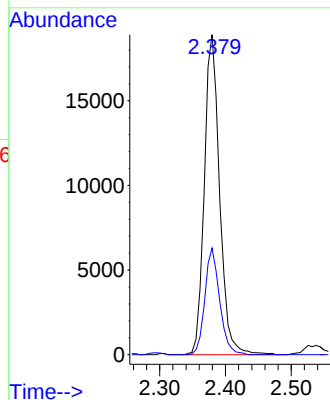
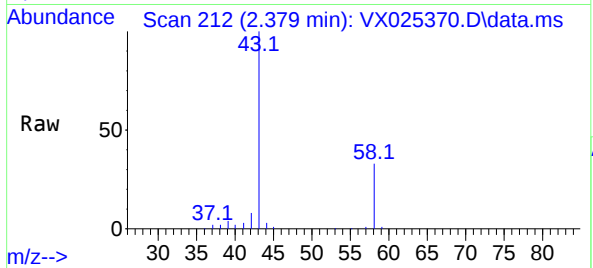




#16
Acetone
Concen: 40.332 ug/l
RT: 2.379 min Scan# 21
Delta R.T. -0.001 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

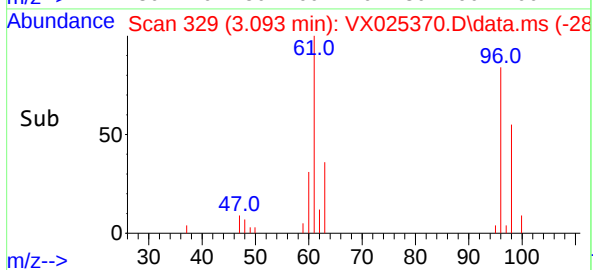
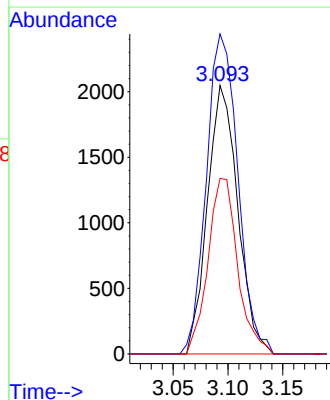
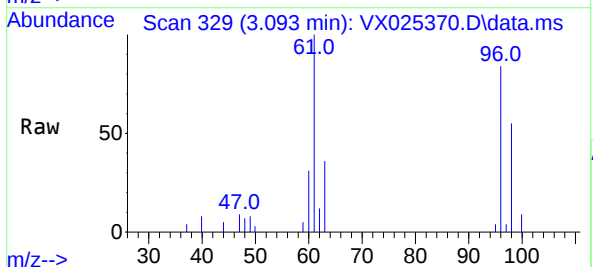
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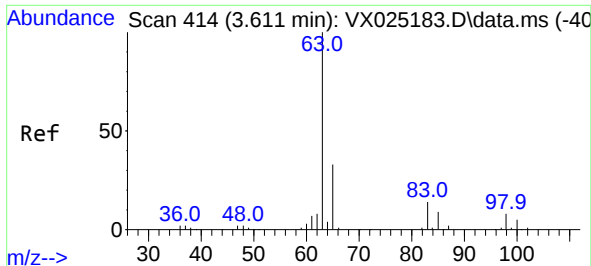
Tgt Ion: 43 Resp: 30607
Ion Ratio Lower Upper
43 100
58 33.3 24.0 36.0



#21
trans-1,2-Dichloroethene
Concen: 2.994 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

Tgt Ion: 96 Resp: 3939
Ion Ratio Lower Upper
96 100
61 119.2 117.9 176.9
98 65.4 51.1 76.7

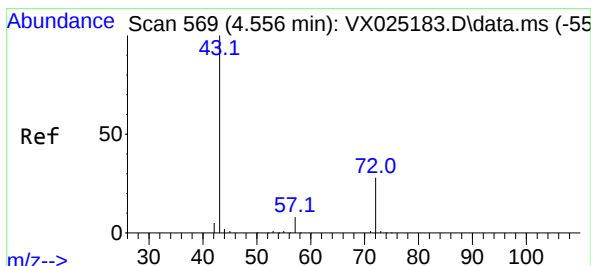
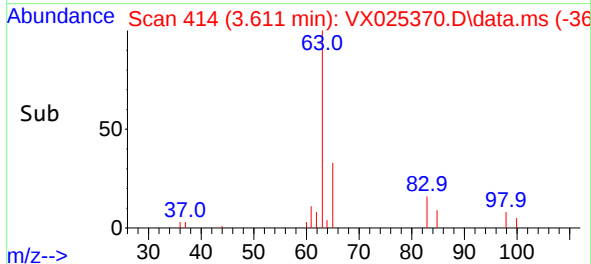
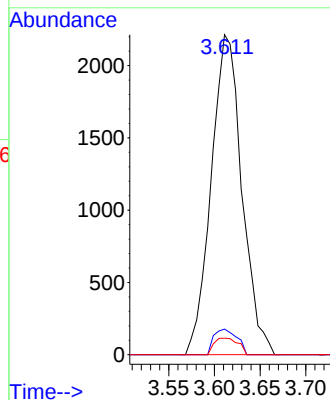
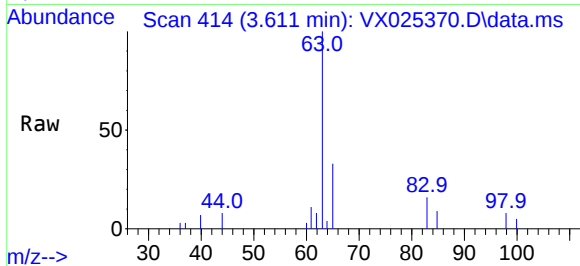




#24
1,1-Dichloroethane
Concen: 2.290 ug/l
RT: 3.611 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

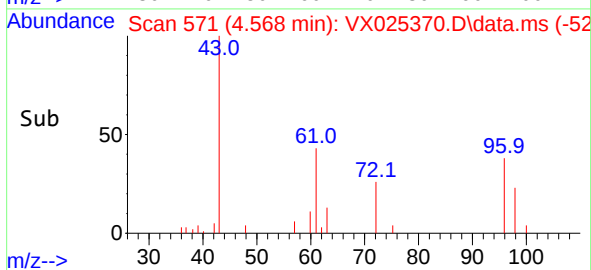
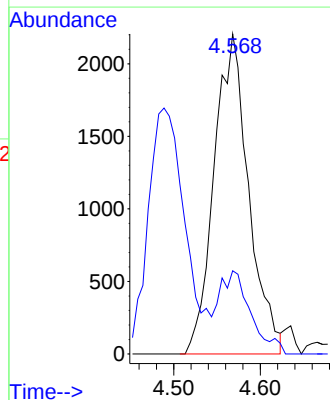
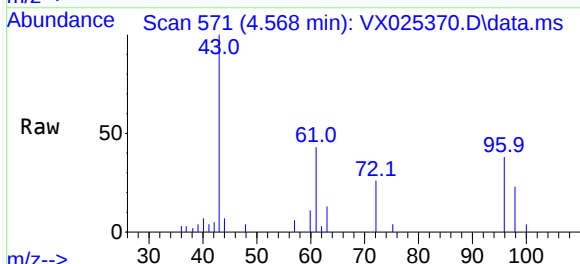
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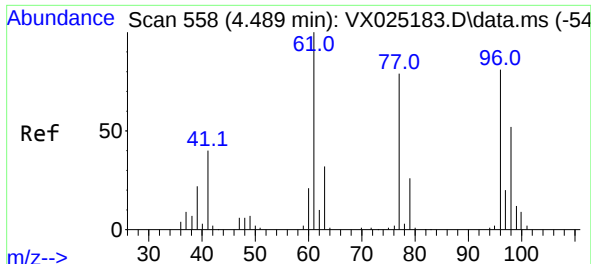
Tgt Ion:	63	Resp:	5179
Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.3	9.9
100	5.1	2.1	6.2



#25
2-Butanone
Concen: 5.568 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

Tgt Ion:	43	Resp:	6109
Ion	Ratio	Lower	Upper
43	100		
72	22.7	21.2	31.8

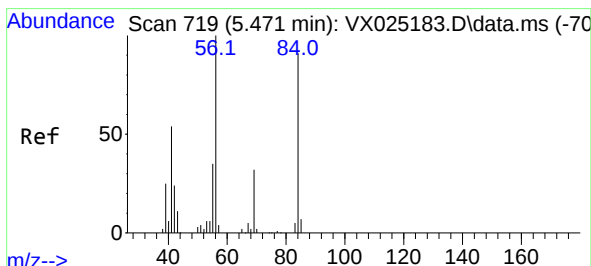
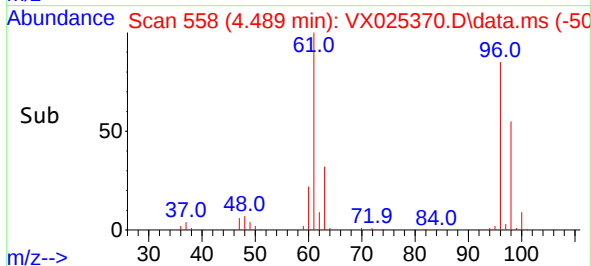
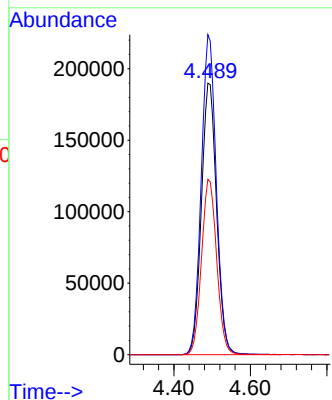
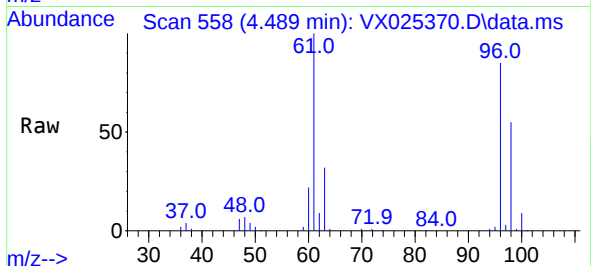




#27
cis-1,2-Dichloroethene
Concen: 341.393 ug/l
RT: 4.489 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

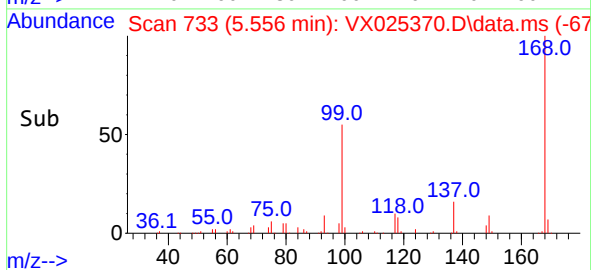
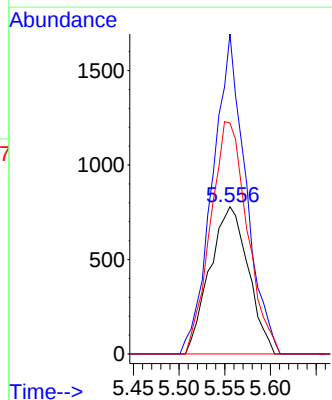
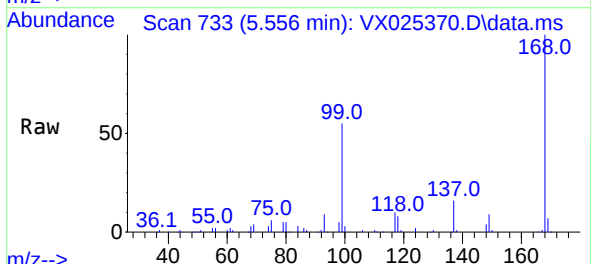
Instrument :
MSVOA_X
ClientSampleId :
GWR3D-B-378-399-112221

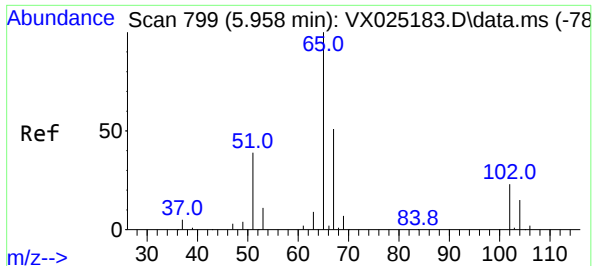
Tgt Ion: 96 Resp: 524478
Ion Ratio Lower Upper
96 100
61 116.3 0.0 302.2
98 64.4 0.0 131.4



#31
Cyclohexane
Concen: 1.080 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

Tgt Ion: 56 Resp: 2280
Ion Ratio Lower Upper
56 100
69 217.5 24.2 36.2#
84 156.9 71.5 107.3#

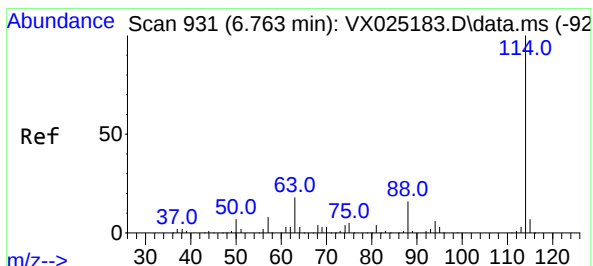
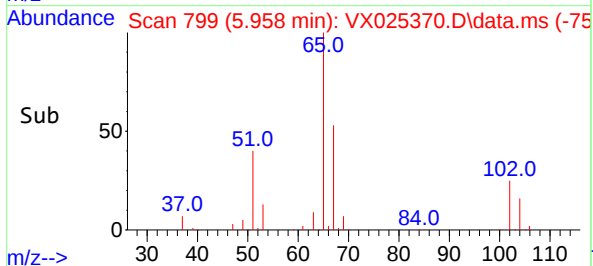
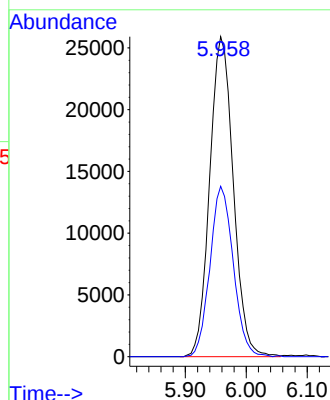
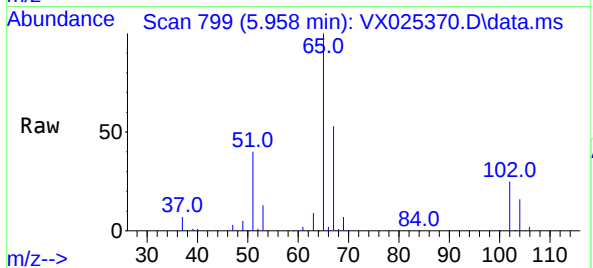




#33
 1,2-Dichloroethane-d4
 Concen: 51.094 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX025370.D
 Acq: 29 Nov 2021 15:24

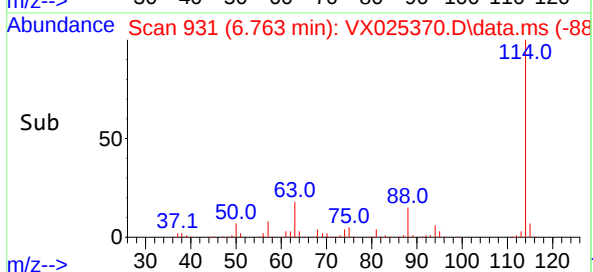
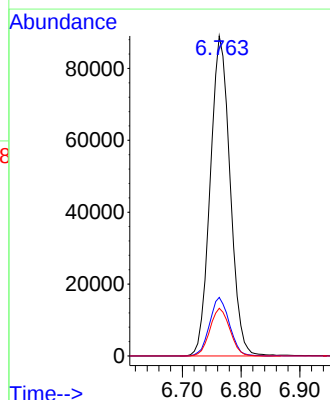
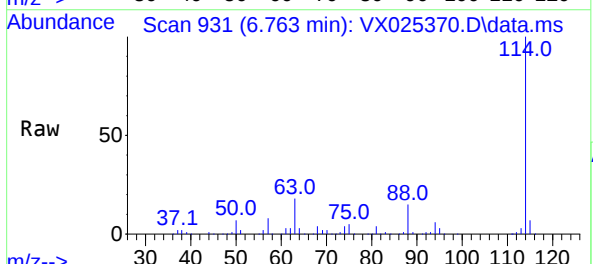
Instrument :
 MSVOA_X
 ClientSampleId :
 GWBR3D-B-378-399-112221

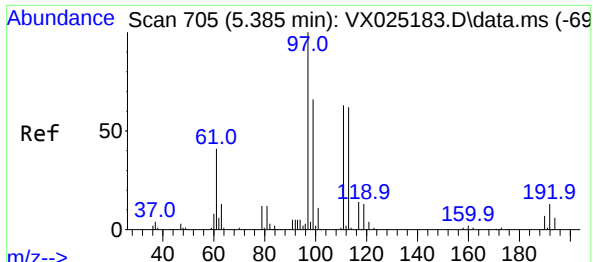
Tgt Ion: 65 Resp: 69780
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX025370.D
 Acq: 29 Nov 2021 15:24

Tgt Ion: 114 Resp: 208970
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 41.0
 88 14.9 0.0 34.8

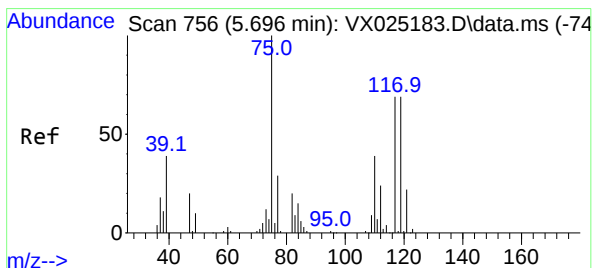
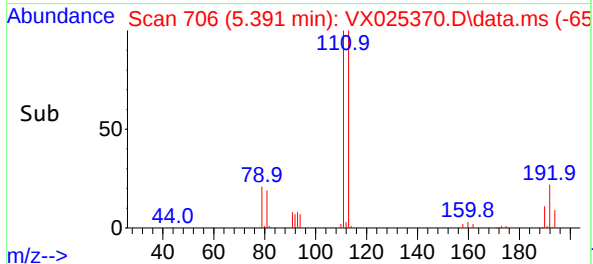
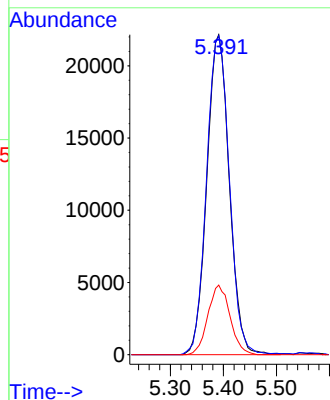
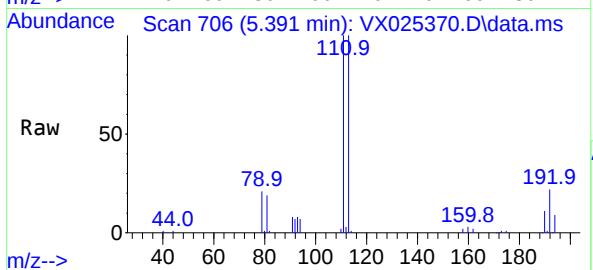




#35
Dibromofluoromethane
Concen: 50.674 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

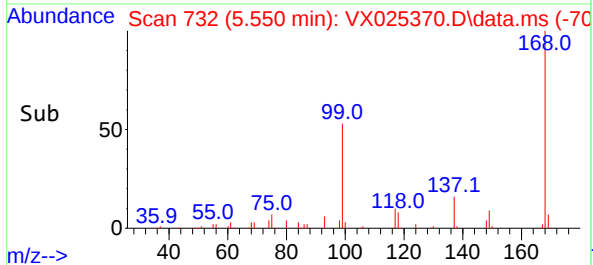
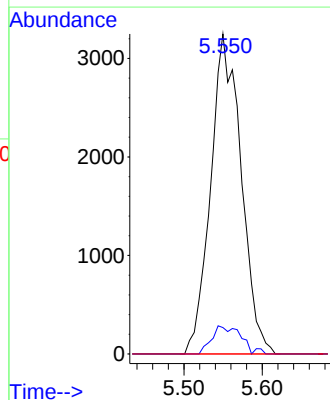
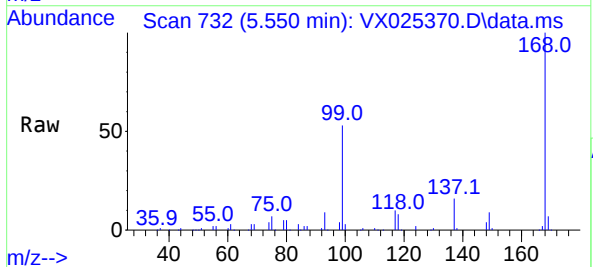
Instrument :
MSVOA_X
ClientSampleId :
GWR3D-B-378-399-112221

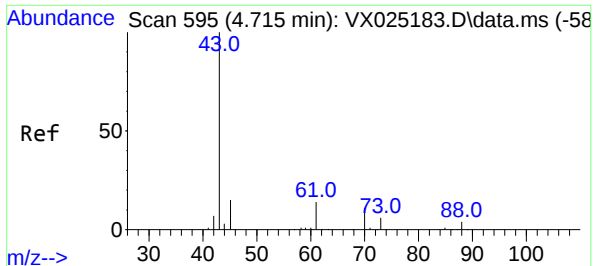
Tgt Ion:	113	Resp:	64973
Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.1	123.1
192	21.5	15.6	23.4



#36
1,1-Dichloropropene
Concen: 4.816 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

Tgt Ion:	75	Resp:	8781
Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.3#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 2.945 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.147 min

Lab File: VX025370.D

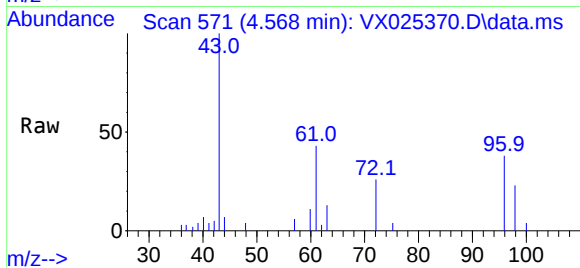
Acq: 29 Nov 2021 15:24

Instrument :

MSVOA_X

ClientSampleId :

GWBR3D-B-378-399-112221



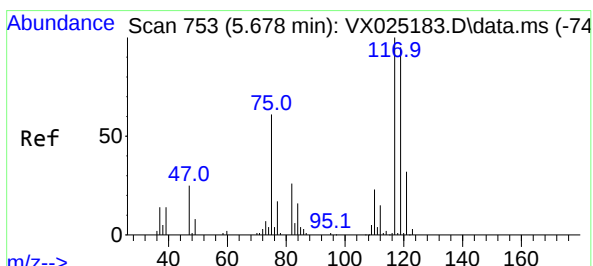
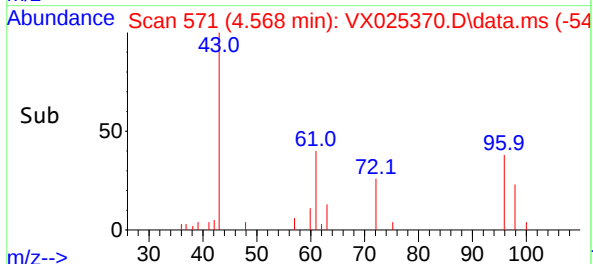
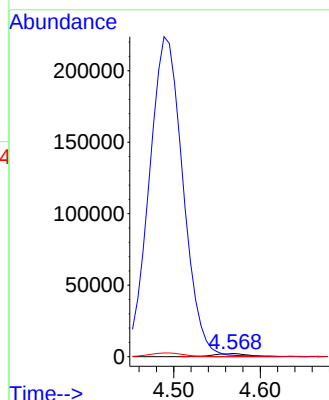
Tgt Ion: 43 Resp: 6109

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.0#

70 0.0 8.6 12.8#



#38

Carbon Tetrachloride

Concen: 6.013 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX025370.D

Acq: 29 Nov 2021 15:24

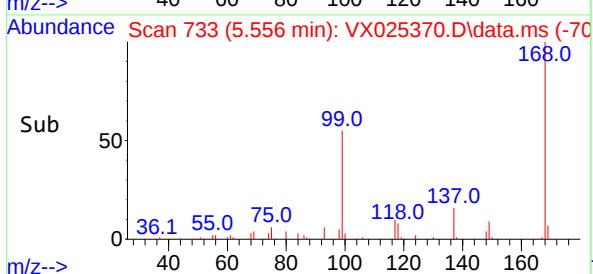
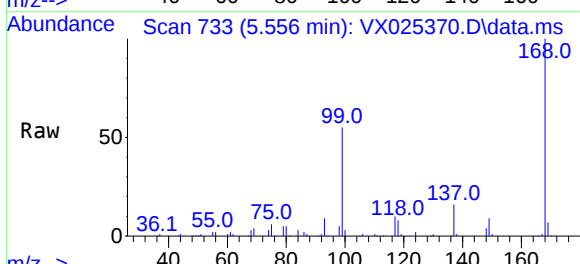
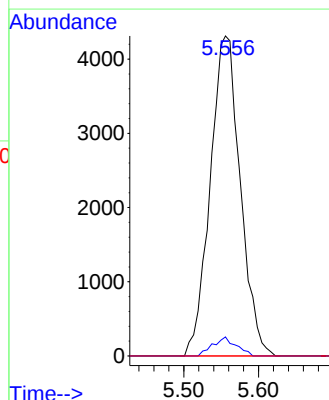
Tgt Ion: 117 Resp: 12075

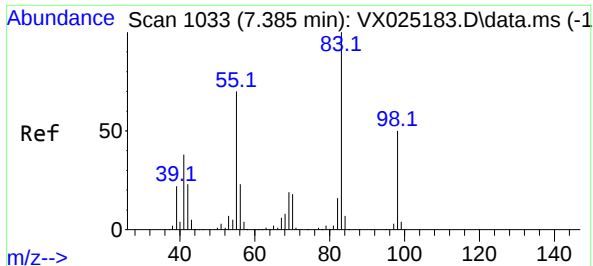
Ion Ratio Lower Upper

117 100

119 6.0 75.6 113.4#

121 0.0 23.7 35.5#





#39

Methylcyclohexane

Concen: 0.591 ug/l

RT: 7.129 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX025370.D

Acq: 29 Nov 2021 15:24

Instrument :

MSVOA_X

ClientSampleId :

GWBR3D-B-378-399-112221

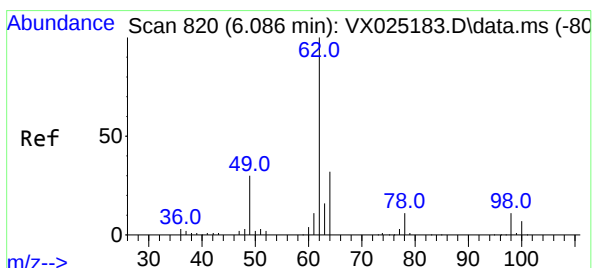
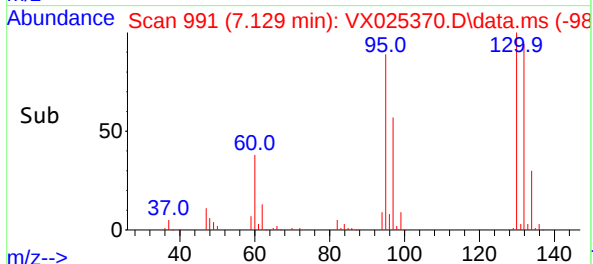
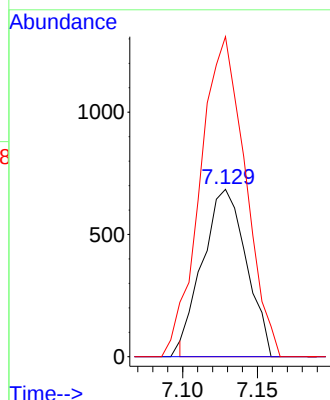
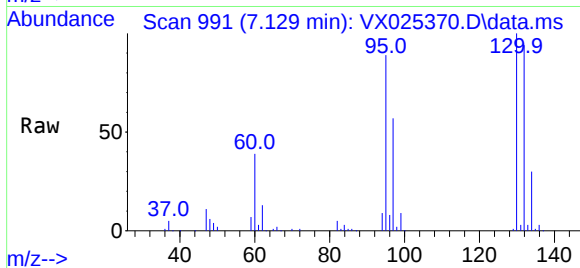
Tgt Ion: 83 Resp: 1383

Ion Ratio Lower Upper

83 100

55 0.0 60.8 91.2#

98 191.1 37.0 55.4#



#42

1,2-Dichloroethane

Concen: 1.514 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.006 min

Lab File: VX025370.D

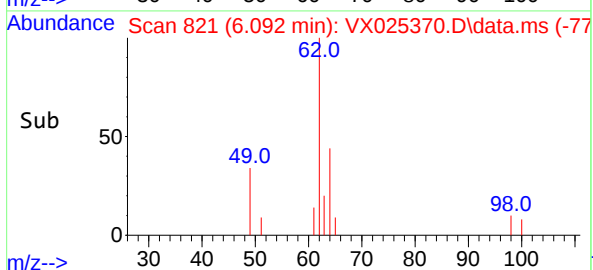
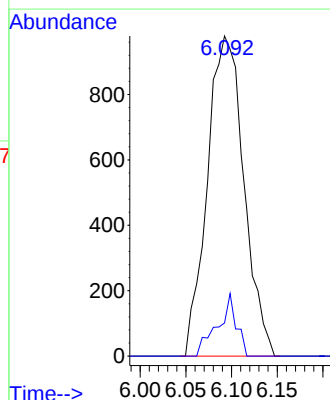
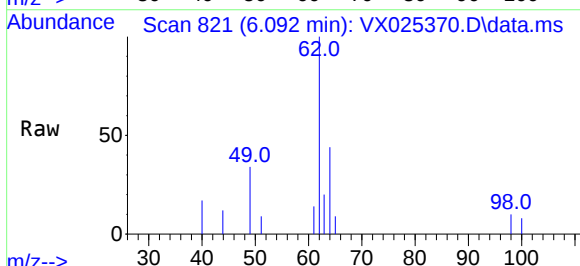
Acq: 29 Nov 2021 15:24

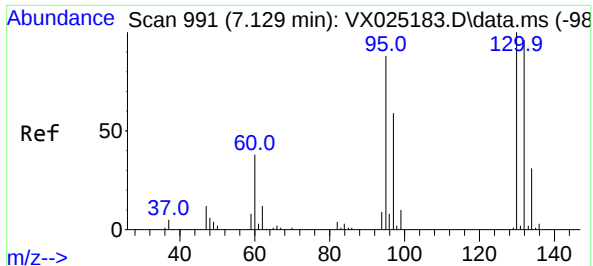
Tgt Ion: 62 Resp: 2721

Ion Ratio Lower Upper

62 100

98 10.0 0.0 16.0

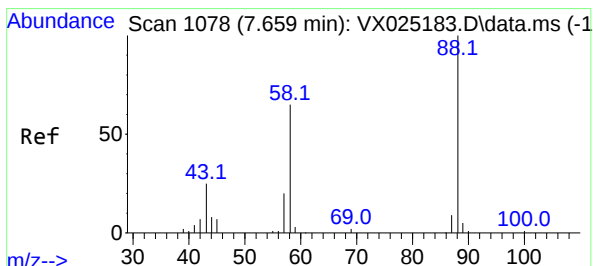
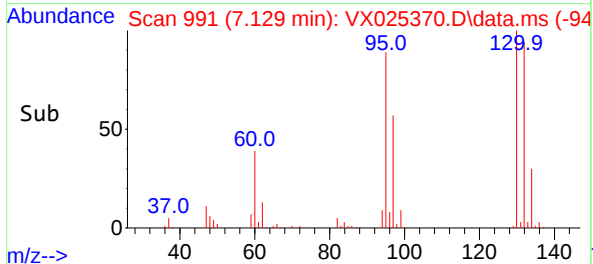
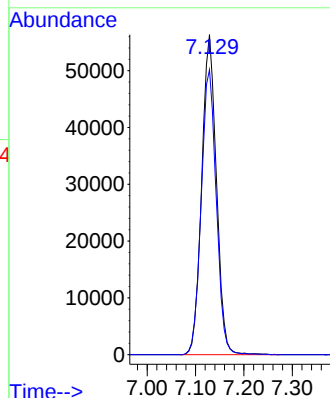
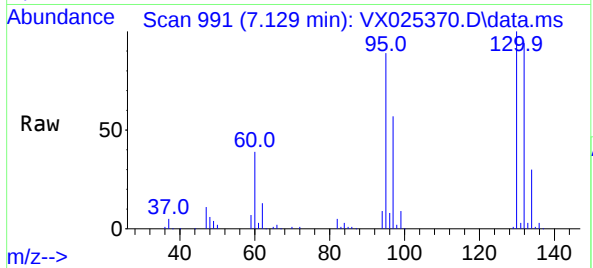




#44
Trichloroethene
Concen: 74.052 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

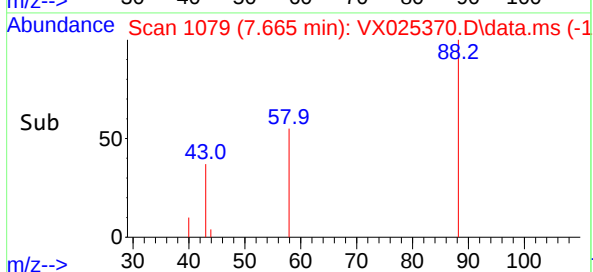
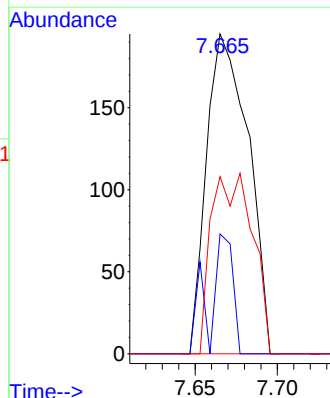
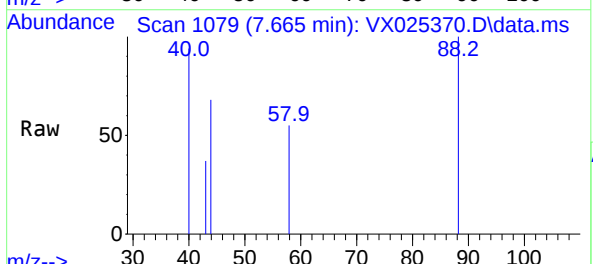
Instrument :
MSVOA_X
ClientSampleId :
GWBR3D-B-378-399-112221

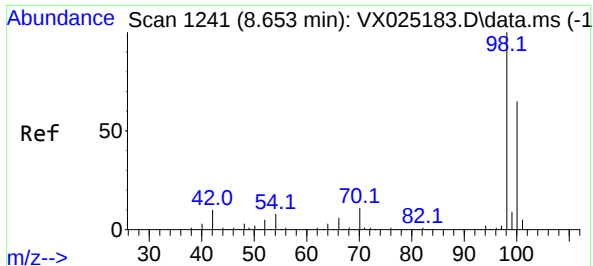
Tgt Ion:130 Resp: 118810
Ion Ratio Lower Upper
130 100
95 89.0 0.0 196.8



#49
1,4-Dioxane
Concen: 10.084 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

Tgt Ion: 88 Resp: 345
Ion Ratio Lower Upper
88 100
43 20.9 27.0 40.6#
58 55.9 55.2 82.8

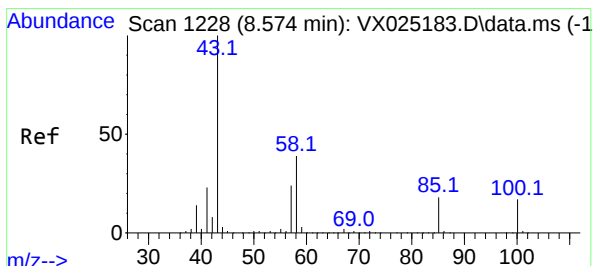
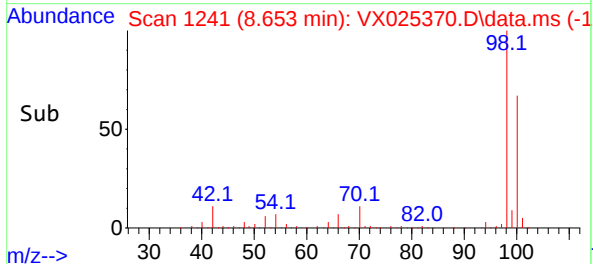
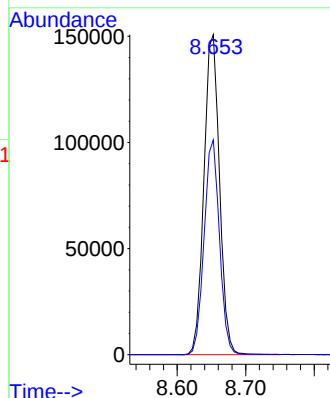
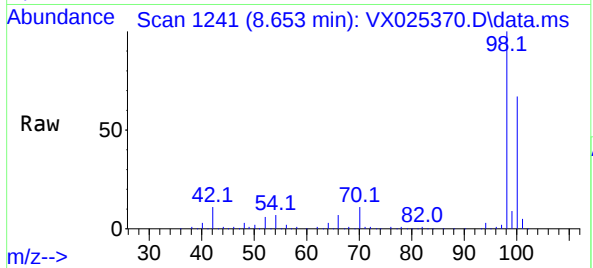




#50
Toluene-d8
Concen: 49.557 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

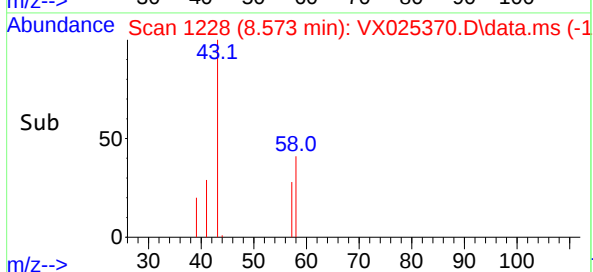
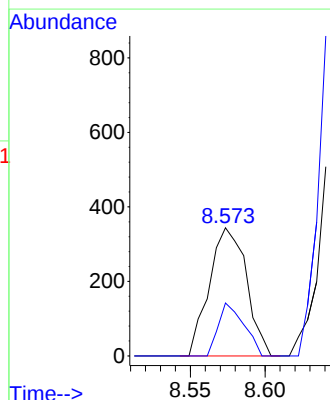
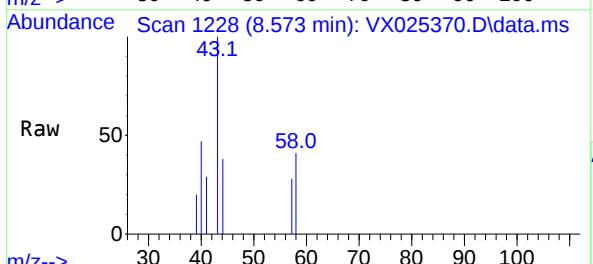
Instrument : MSVOA_X
ClientSampleId : GWBR3D-B-378-399-112221

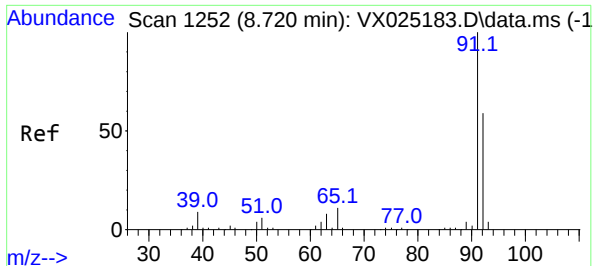
Tgt Ion: 98 Resp: 238906
Ion Ratio Lower Upper
98 100
100 66.3 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.273 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.001 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

Tgt Ion: 43 Resp: 592
Ion Ratio Lower Upper
43 100
58 28.5 30.9 46.3#





#52

Toluene

Concen: 7.614 ug/l

RT: 8.720 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX025370.D

Acq: 29 Nov 2021 15:24

Instrument :

MSVOA_X

ClientSampleId :

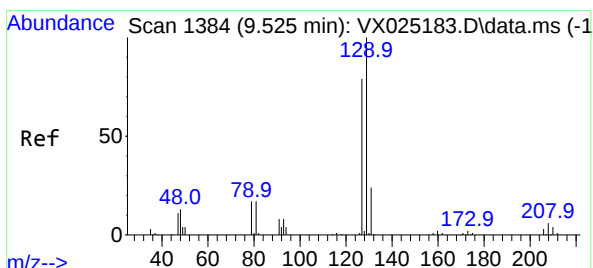
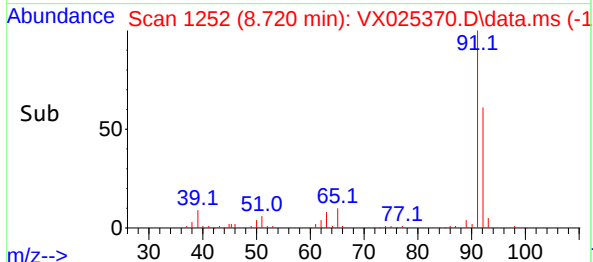
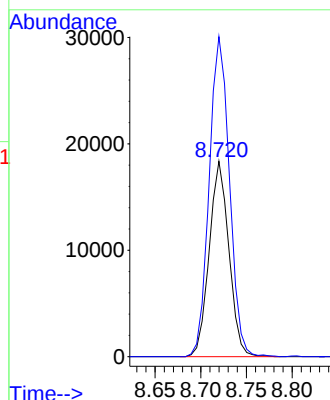
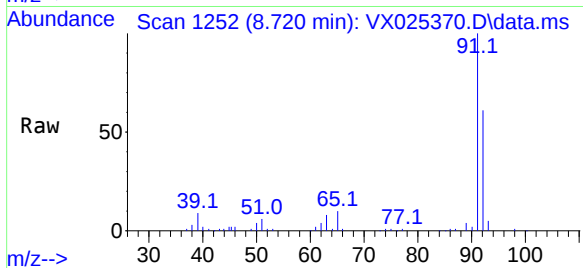
GWBR3D-B-378-399-112221

Tgt Ion: 92 Resp: 27454

Ion Ratio Lower Upper

92 100

91 168.6 138.6 208.0



#60

Dibromochloromethane

Concen: 0.242 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX025370.D

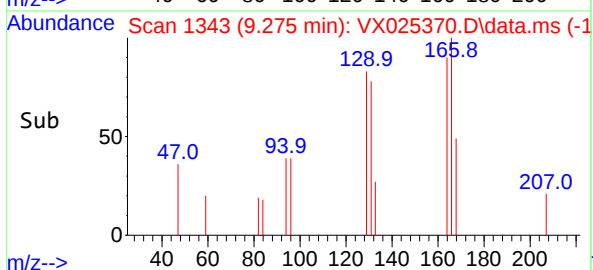
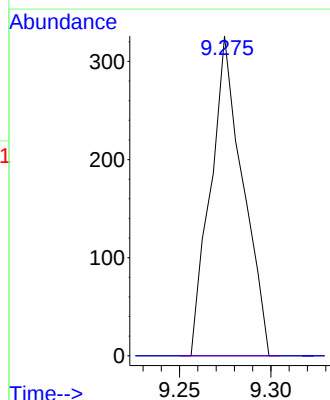
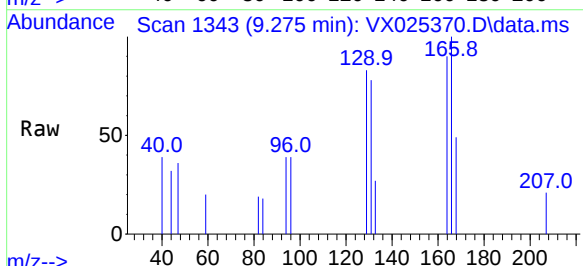
Acq: 29 Nov 2021 15:24

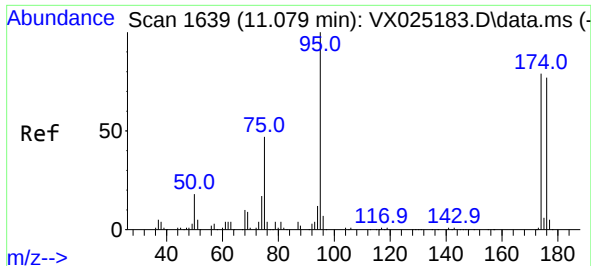
Tgt Ion:129 Resp: 399

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

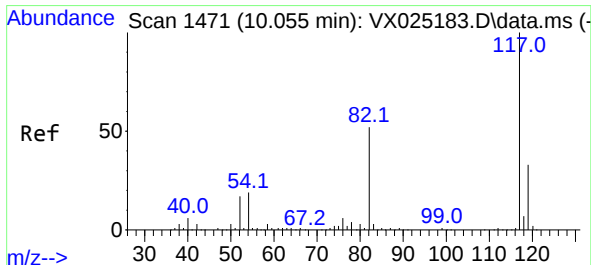
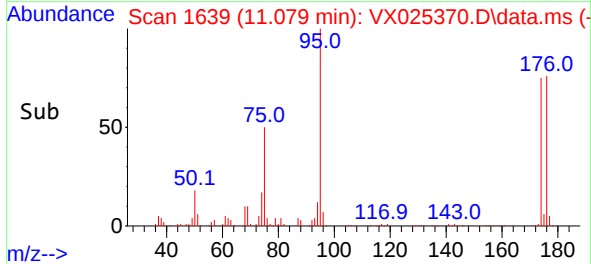
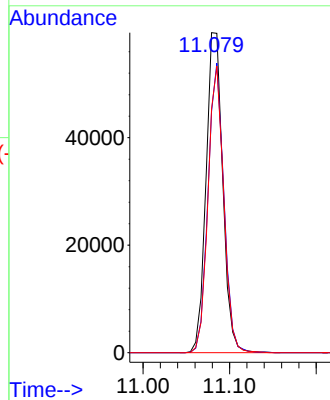
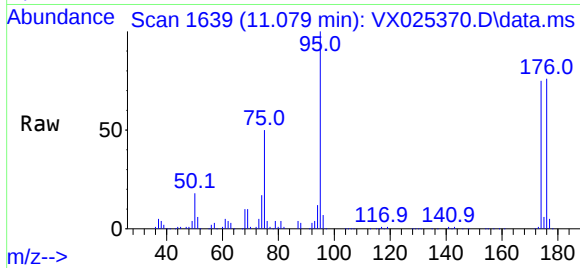




#62
4-Bromofluorobenzene
Concen: 43.791 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

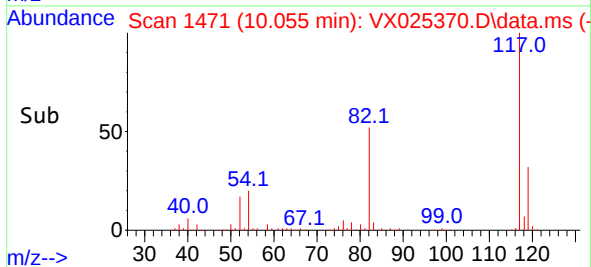
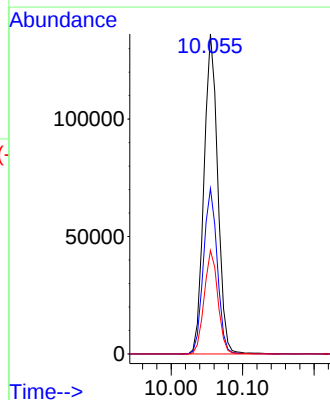
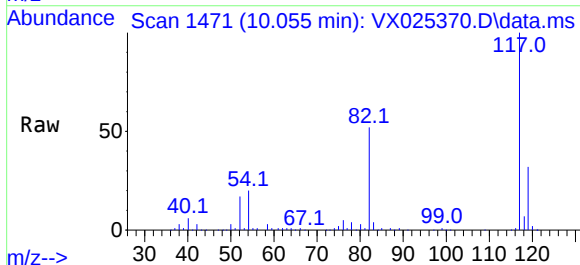
Instrument :
MSVOA_X
ClientSampleId :
GWBR3D-B-378-399-112221

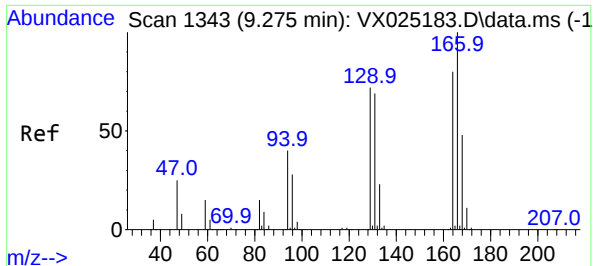
Tgt Ion: 95 Resp: 79864
Ion Ratio Lower Upper
95 100
174 85.5 0.0 158.0
176 84.3 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

Tgt Ion: 117 Resp: 182487
Ion Ratio Lower Upper
117 100
82 51.7 44.6 67.0
119 32.4 24.8 37.2



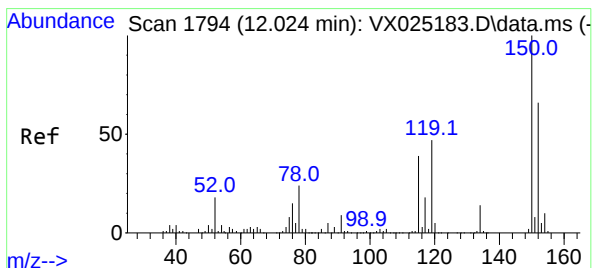
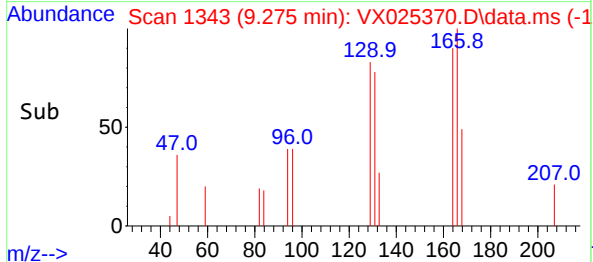
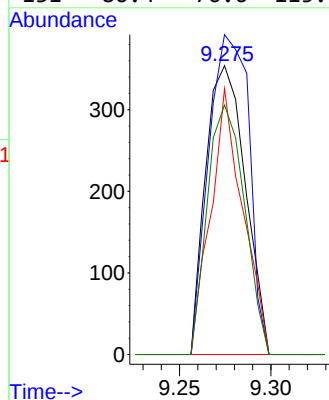
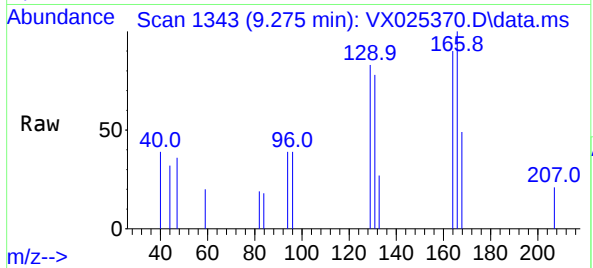


#64
Tetrachloroethene
Concen: 0.356 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

Instrument :
MSVOA_X
ClientSampleId :
GWBR3D-B-378-399-112221

Tgt Ion:164 Resp: 535

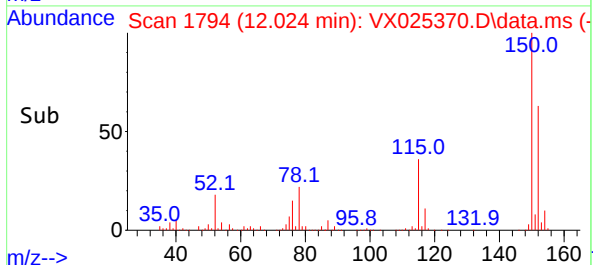
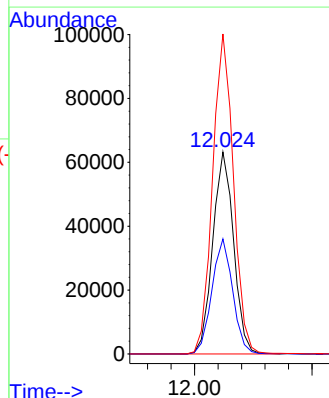
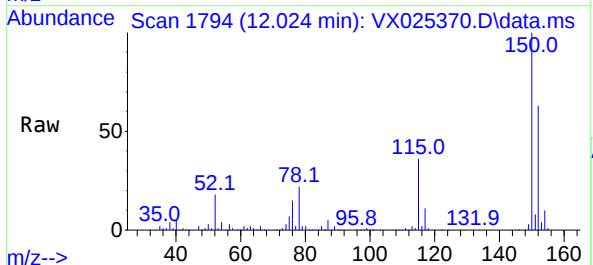
Ion	Ratio	Lower	Upper
164	100		
166	110.7	103.2	154.8
129	92.1	81.0	121.4
131	86.4	76.6	115.0

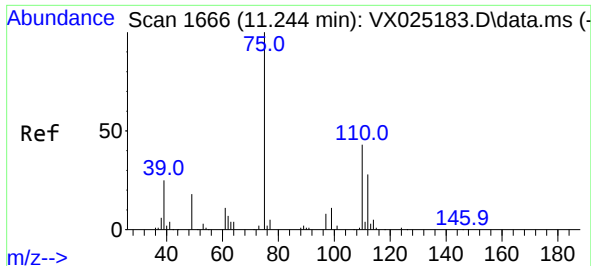


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

Tgt Ion:152 Resp: 78047

Ion	Ratio	Lower	Upper
152	100		
115	56.9	43.3	129.8
150	158.0	0.0	351.2

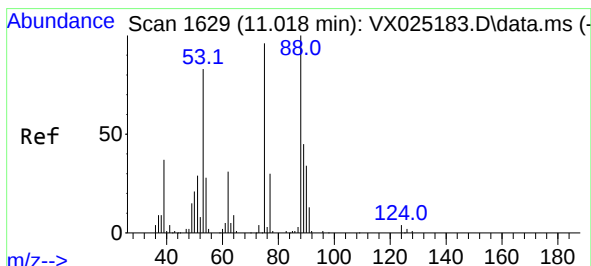
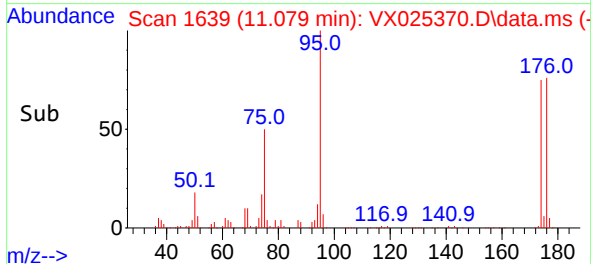
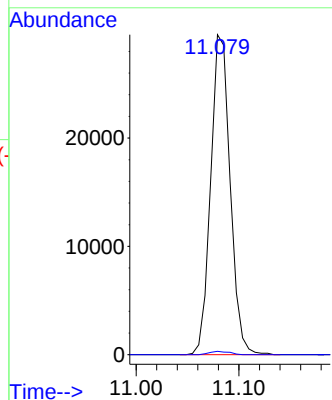
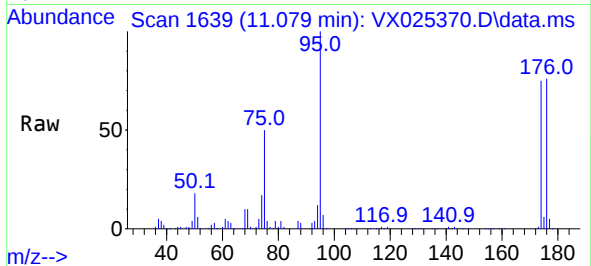




#76
1,2,3-Trichloropropane
Concen: 24.278 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

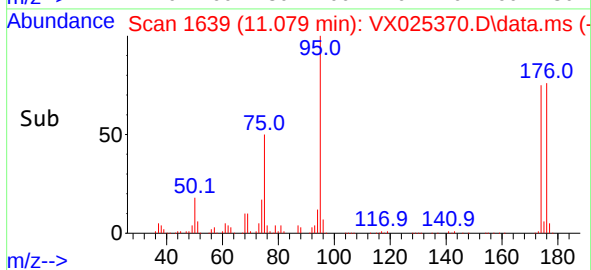
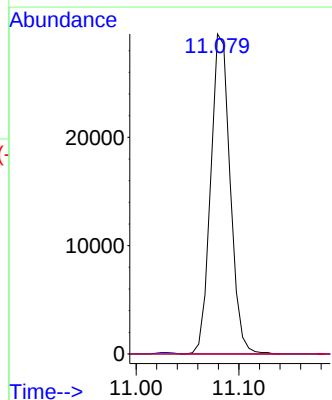
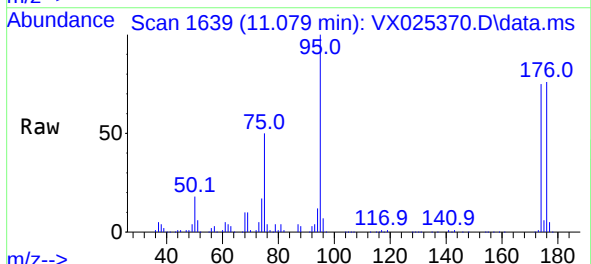
Instrument :
MSVOA_X
ClientSampleId :
GWR3D-B-378-399-112221

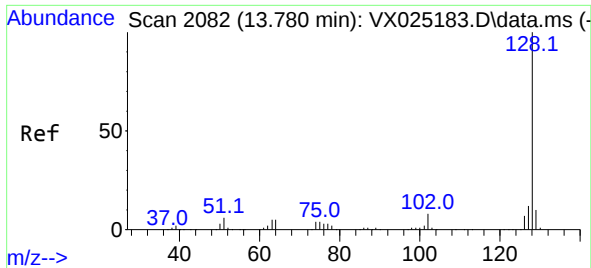
Tgt Ion: 75 Resp: 38802
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.160 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

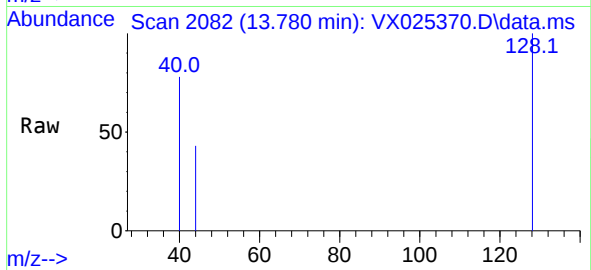
Tgt Ion: 75 Resp: 38802
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#





#95
Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025370.D
Acq: 29 Nov 2021 15:24

Instrument : MSVOA_X
ClientSampleId : GWBR3D-B-378-399-112221



Tgt Ion:128 Resp: 213
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

