

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
 Data File : VX024580.D
 Acq On : 05 Oct 2021 18:47
 Operator : JC/MD
 Sample : M4047-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 149-ENV-1-GRAB

Quant Time: Oct 06 06:50:25 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)

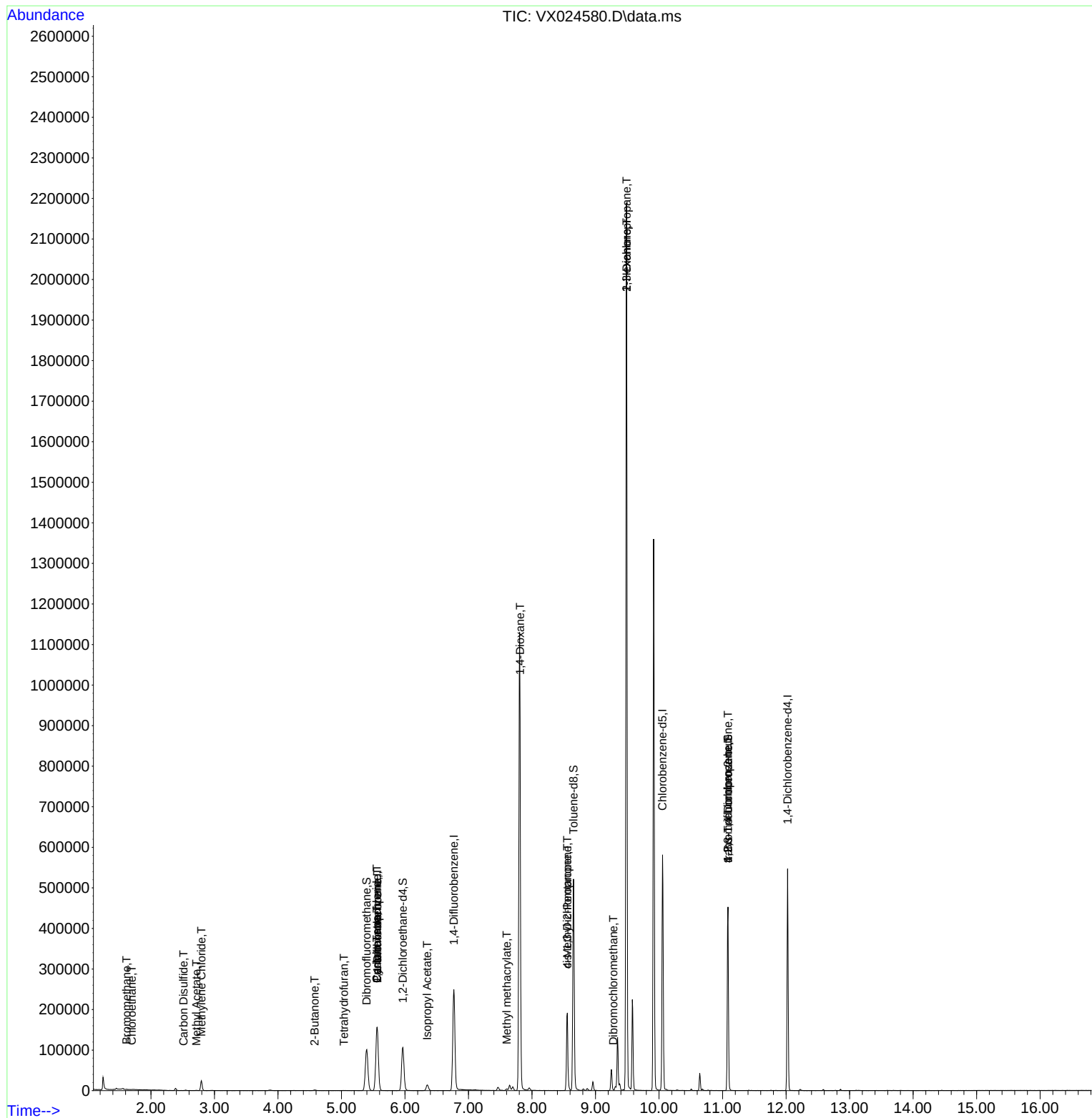
Internal Standards						
1) Pentafluorobenzene	5.562	168	148472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	248503	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	255353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	109474	52.317	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 104.640%		
35) Dibromofluoromethane	5.397	113	89779	54.383	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 108.760%		
50) Toluene-d8	8.653	98	297905	49.029	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 98.060%		
62) 4-Bromofluorobenzene	11.085	95	120110	50.276	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 100.560%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	224	0.226	ug/l	81
6) Chloroethane	1.697	64	121	0.381	ug/l #	69
11) Tert butyl alcohol	2.965	59	688	Below Cal	#	73
16) Acetone	2.386	43	5793	Below Cal		91
17) Carbon Disulfide	2.514	76	130	0.265	ug/l #	75
18) Methyl Acetate	2.715	43	1080	0.345	ug/l #	60
20) Methylene Chloride	2.794	84	10672	5.805	ug/l #	90
25) 2-Butanone	4.574	43	2508	1.740	ug/l #	87
29) Tetrahydrofuran	5.038	42	274	0.298	ug/l #	48
31) Cyclohexane	5.556	56	3090	1.233	ug/l #	24
36) 1,1-Dichloropropene	5.562	75	11068	4.646	ug/l #	45
38) Carbon Tetrachloride	5.556	117	14904	5.747	ug/l #	17
43) Isopropyl Acetate	6.348	43	19100	4.224	ug/l	96
48) Methyl methacrylate	7.604	41	5928	2.648	ug/l #	10
49) 1,4-Dioxane	7.812	88	183	3.568	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	66384	22.238	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	29580	10.627	ug/l #	65
57) 1,3-Dichloropropane	9.488	76	17689	5.762	ug/l #	42
59) 2-Hexanone	9.488	43	254743	108.360	ug/l #	44
60) Dibromochloromethane	9.281	129	108	1.238	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	61385	25.479	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	61385	69.443	ug/l #	12

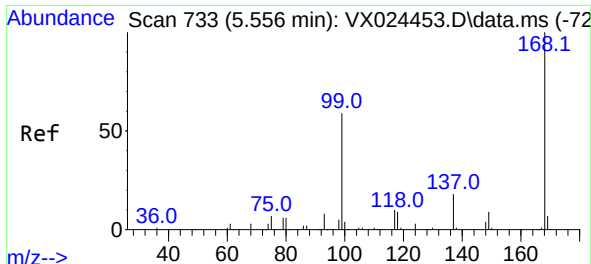
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
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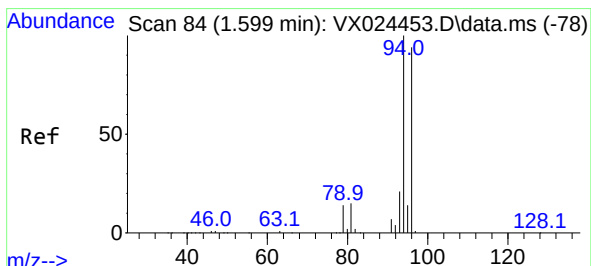
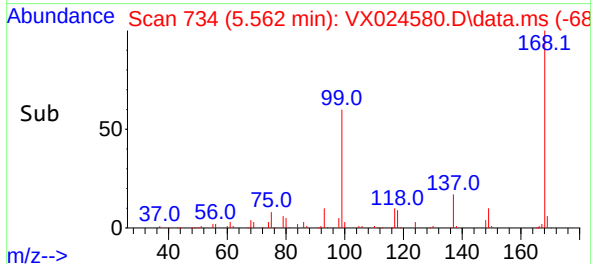
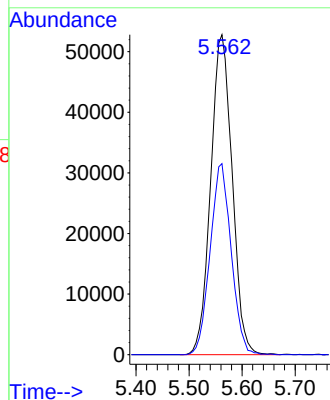
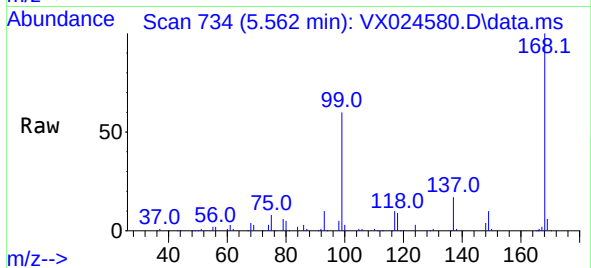




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

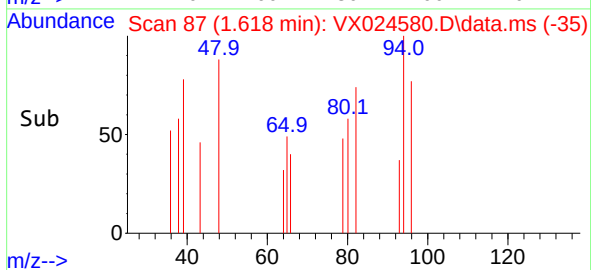
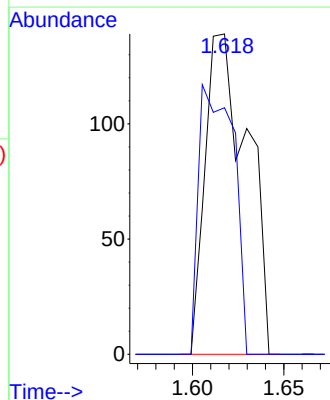
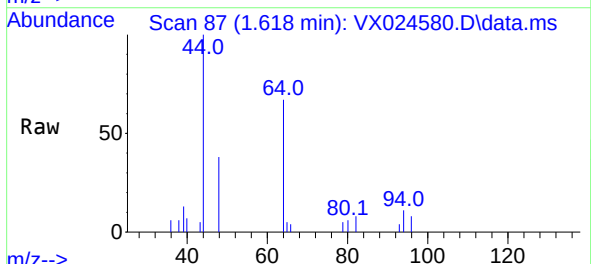
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-GRAB

Tgt Ion:168 Resp: 148472
Ion Ratio Lower Upper
168 100
99 59.7 45.8 68.6

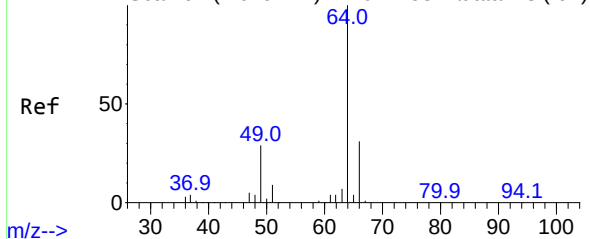


#5
Bromomethane
Concen: 0.226 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

Tgt Ion: 94 Resp: 224
Ion Ratio Lower Upper
94 100
96 77.0 76.4 114.6



Abundance Scan 97 (1.679 min): VX024453.D\data.ms (-91)

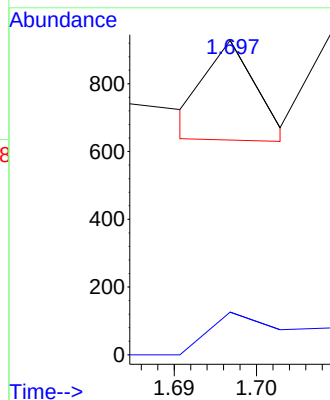
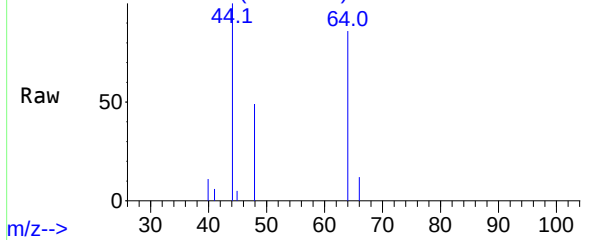


#6
Chloroethane
Concen: 0.381 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

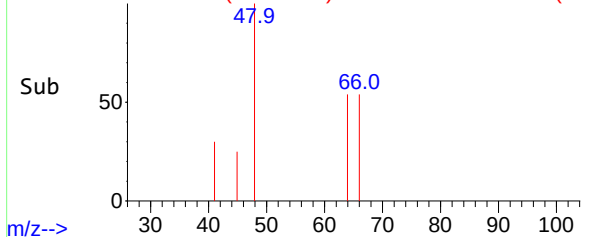
Tgt Ion: 64 Resp: 121
Ion Ratio Lower Upper
64 100
66 48.8 25.4 38.0#

Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-GRAB

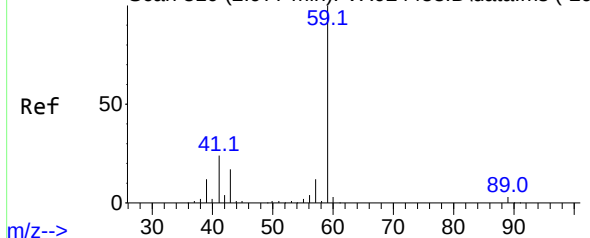
Abundance Scan 100 (1.697 min): VX024580.D\data.ms



Abundance Scan 100 (1.697 min): VX024580.D\data.ms (-48)



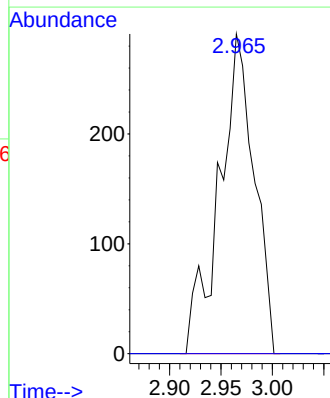
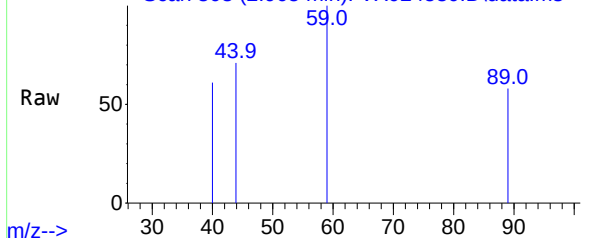
Abundance Scan 310 (2.977 min): VX024453.D\data.ms (-29)



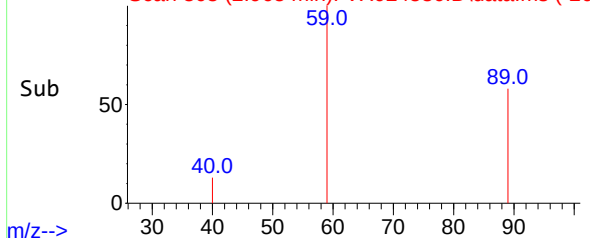
#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

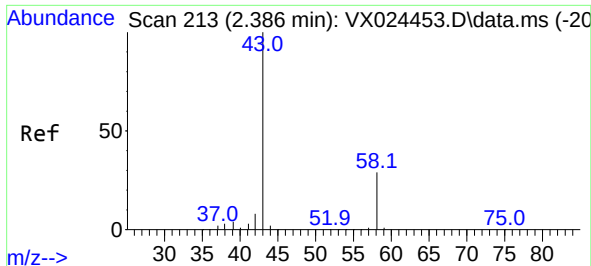
Tgt Ion: 59 Resp: 688
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

Abundance Scan 308 (2.965 min): VX024580.D\data.ms



Abundance Scan 308 (2.965 min): VX024580.D\data.ms (-26)

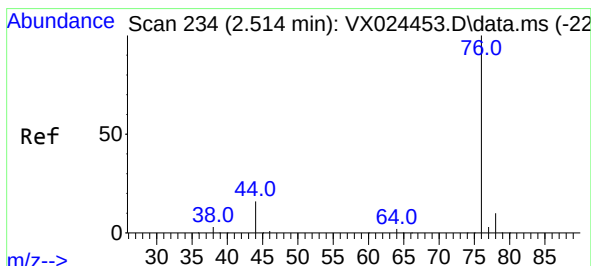
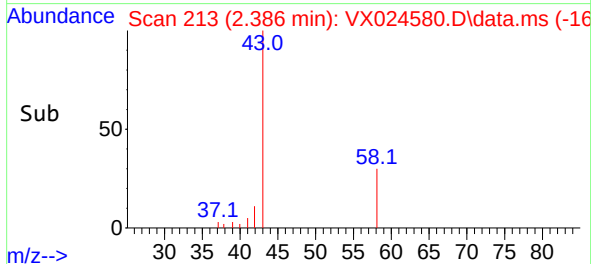
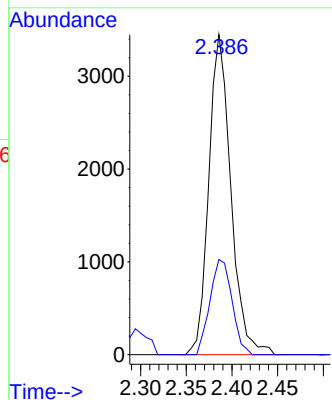
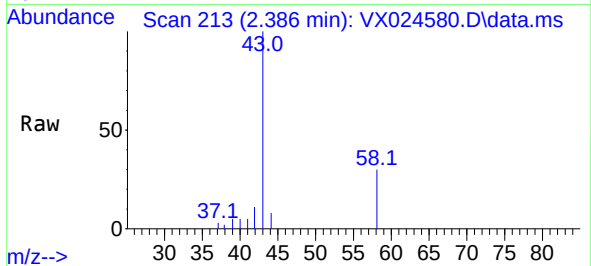




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

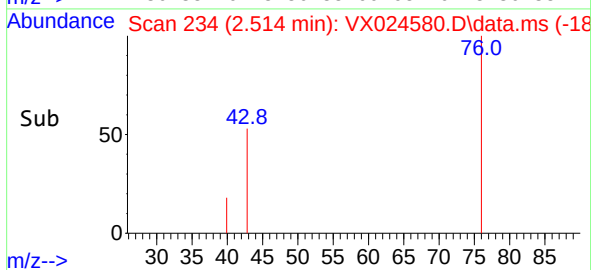
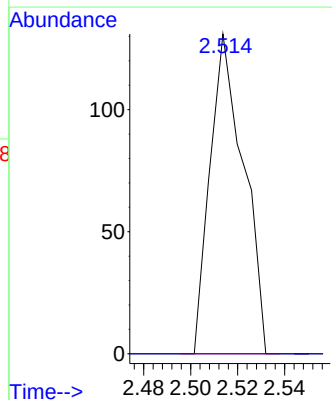
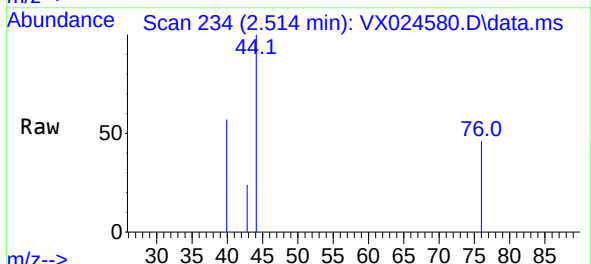
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-GRAB

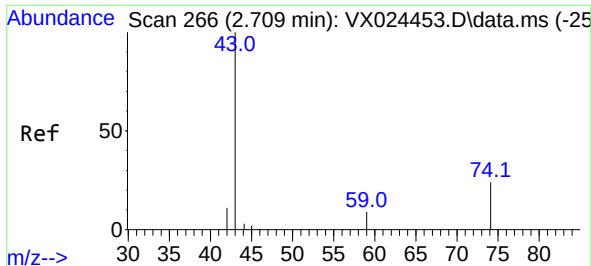
Tgt Ion: 43 Resp: 5793
Ion Ratio Lower Upper
43 100
58 29.8 27.8 41.8



#17
Carbon Disulfide
Concen: 0.265 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

Tgt Ion: 76 Resp: 130
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

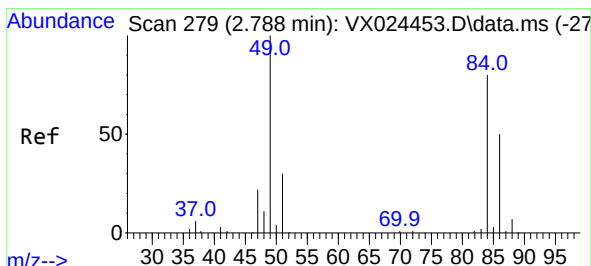
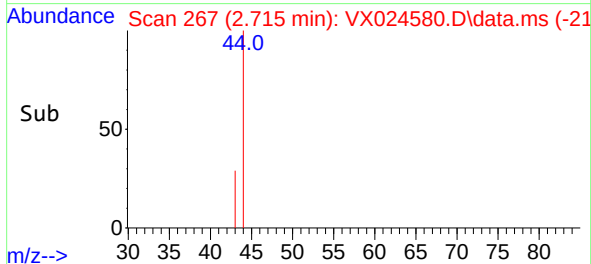
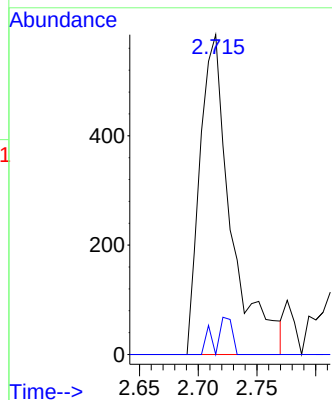
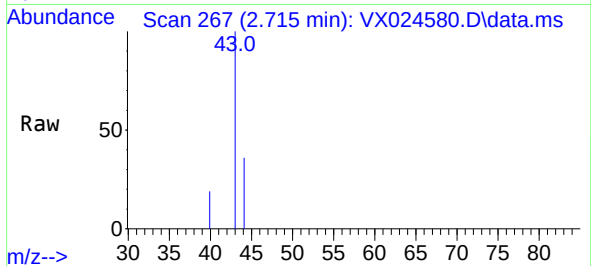




#18
Methyl Acetate
Concen: 0.345 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

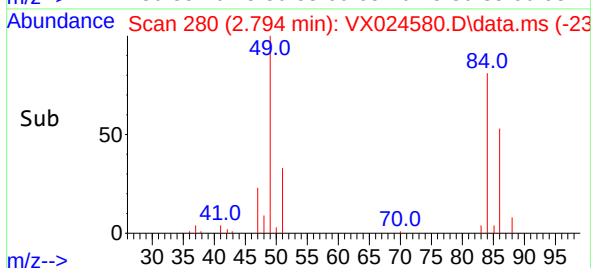
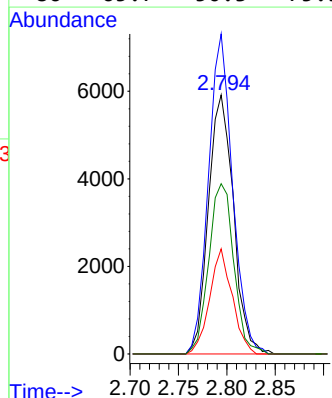
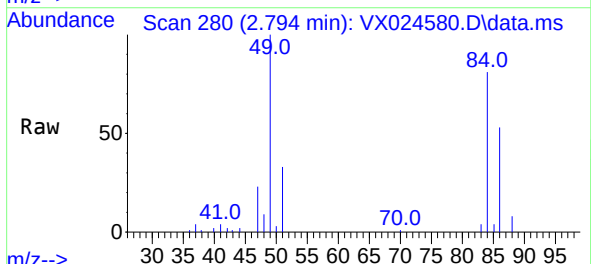
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-GRAB

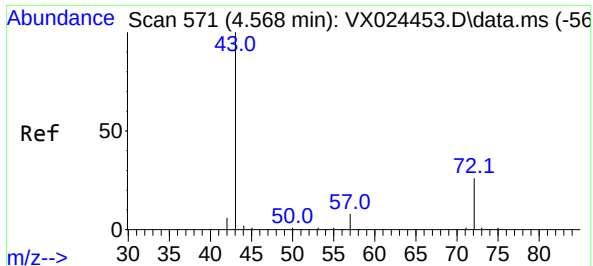
Tgt Ion: 43 Resp: 1080
Ion Ratio Lower Upper
43 100
74 6.3 21.9 32.9#



#20
Methylene Chloride
Concen: 5.805 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

Tgt Ion: 84 Resp: 10672
Ion Ratio Lower Upper
84 100
49 123.6 88.6 132.8
51 40.6 27.0 40.6#
86 65.7 50.3 75.5





#25

2-Butanone

Concen: 1.740 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX024580.D

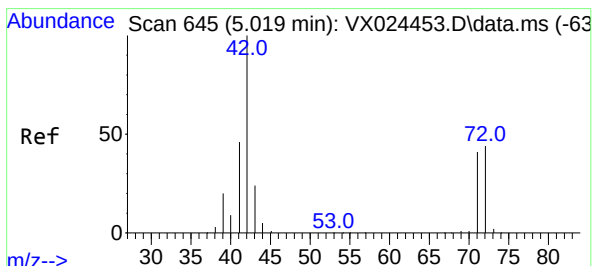
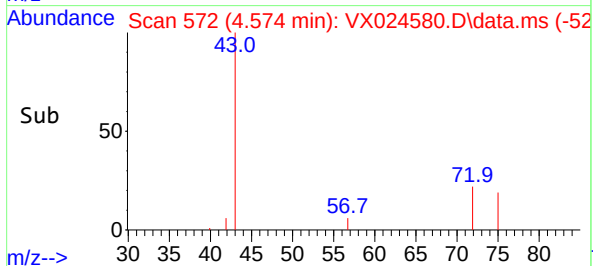
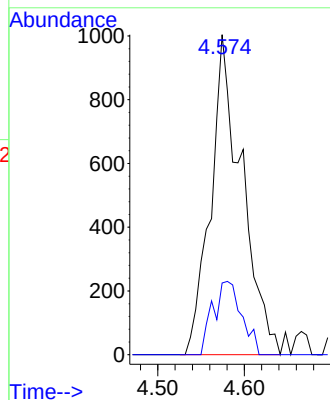
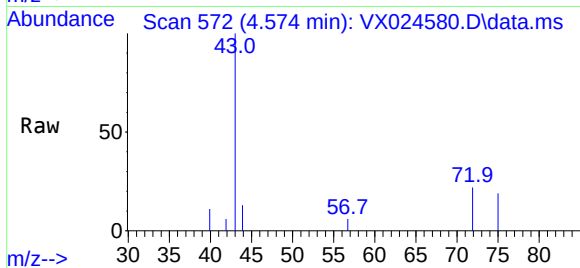
Acq: 05 Oct 2021 18:47

Tgt Ion: 43 Resp: 2508

Ion Ratio Lower Upper

43 100

72 22.4 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.298 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX024580.D

Acq: 05 Oct 2021 18:47

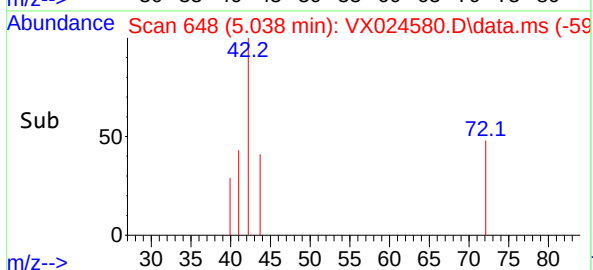
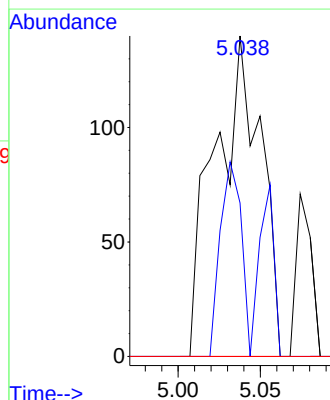
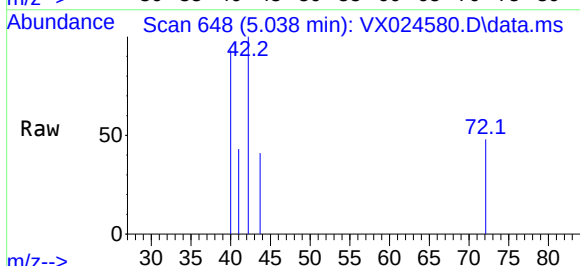
Tgt Ion: 42 Resp: 274

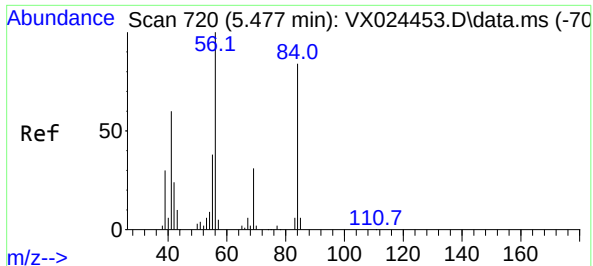
Ion Ratio Lower Upper

42 100

72 27.7 41.7 62.5#

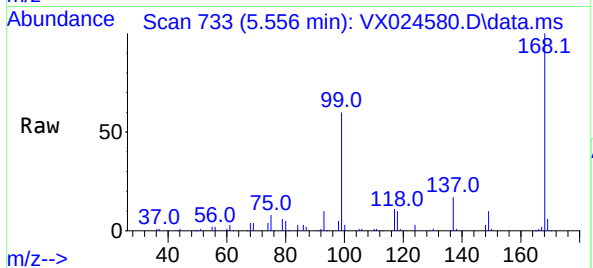
71 0.0 38.4 57.6#



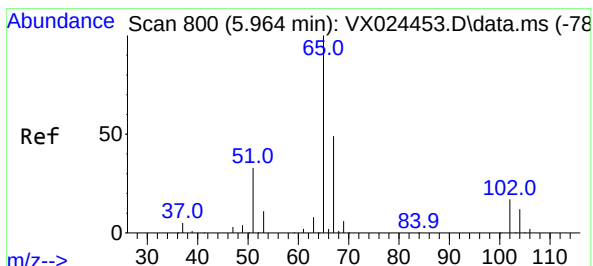
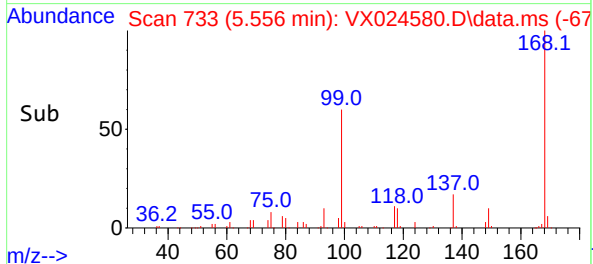
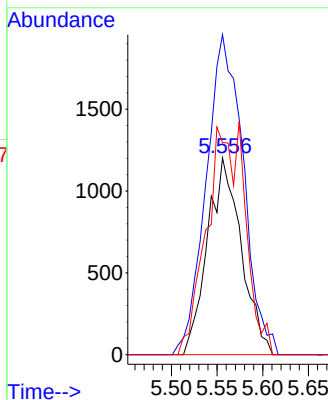


#31
Cyclohexane
Concen: 1.233 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

Instrument :
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ClientSampleId :
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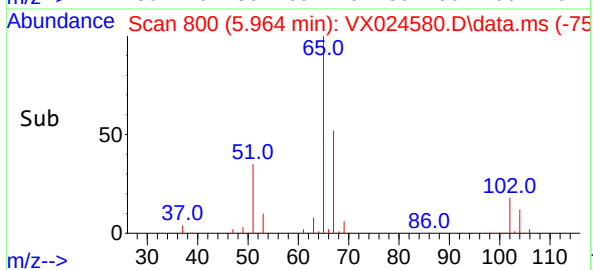
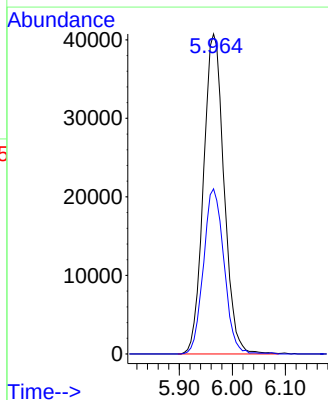
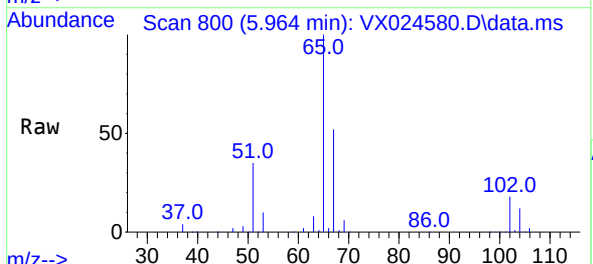


Tgt Ion: 56 Resp: 3090
Ion Ratio Lower Upper
56 100
69 162.6 25.3 37.9#
84 107.7 71.4 107.0#

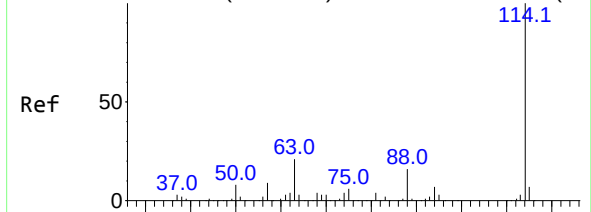


#33
1,2-Dichloroethane-d4
Concen: 52.317 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

Tgt Ion: 65 Resp: 109474
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.4

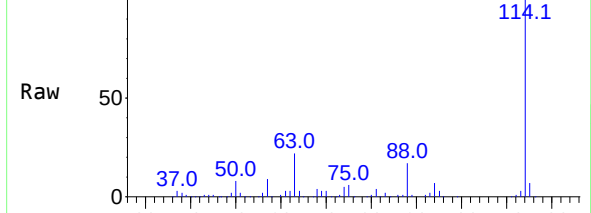


Abundance Scan 932 (6.769 min): VX024453.D\data.ms (-92



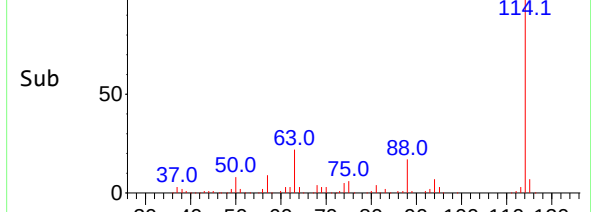
m/z-->

Abundance Scan 932 (6.769 min): VX024580.D\data.ms



m/z-->

Abundance Scan 932 (6.769 min): VX024580.D\data.ms (-88



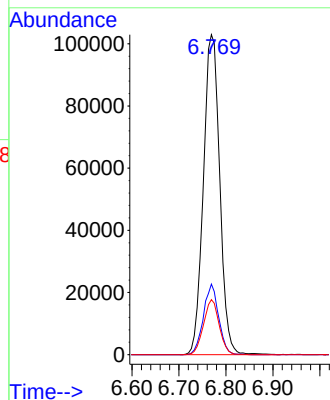
m/z-->

#34

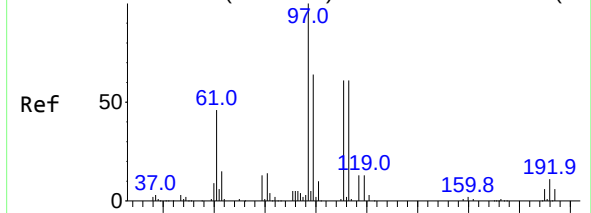
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

Tgt Ion:114 Resp: 248503

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	40.8
88	17.2	0.0	32.8

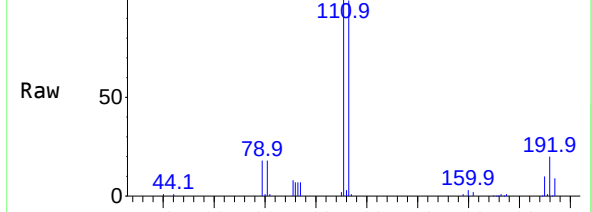


Abundance Scan 707 (5.397 min): VX024453.D\data.ms (-69



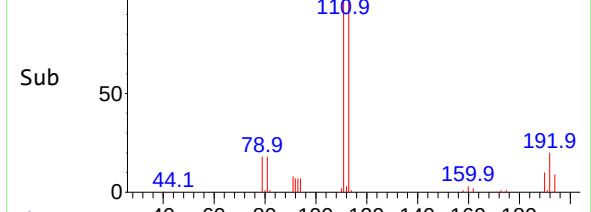
m/z-->

Abundance Scan 707 (5.397 min): VX024580.D\data.ms



m/z-->

Abundance Scan 707 (5.397 min): VX024580.D\data.ms (-65



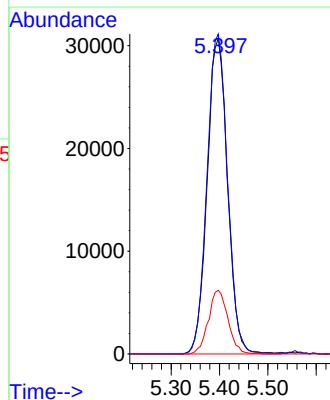
m/z-->

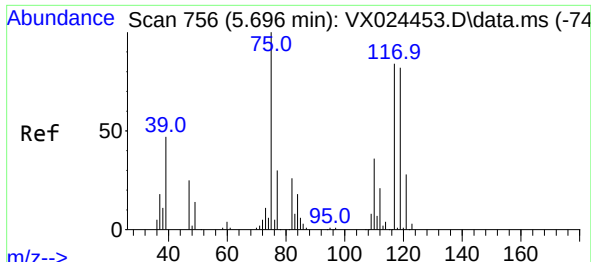
#35

Dibromofluoromethane
Concen: 54.383 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

Tgt Ion:113 Resp: 89779

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.9	122.9
192	19.4	16.7	25.1

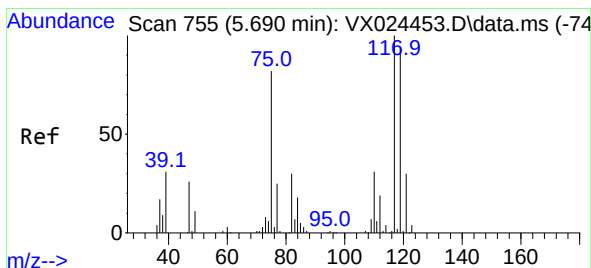
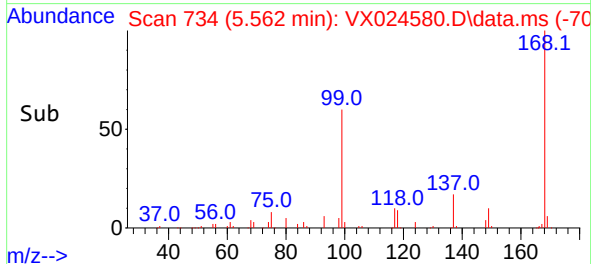
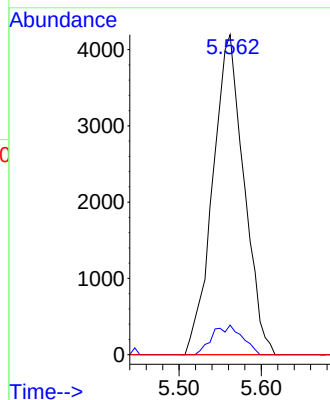
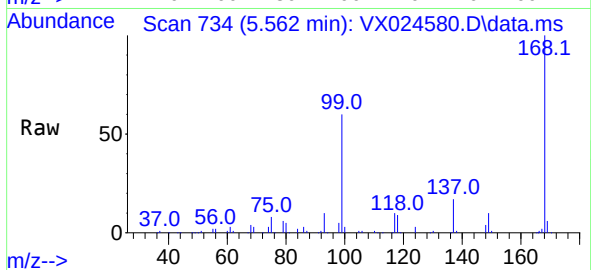




#36
1,1-Dichloropropene
Concen: 4.646 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

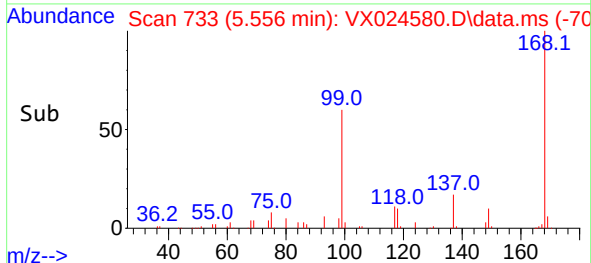
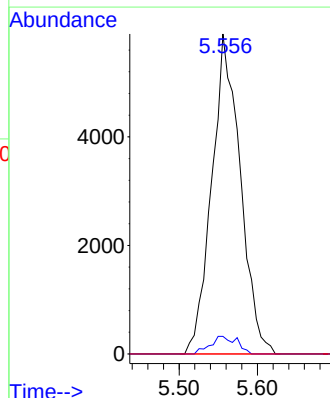
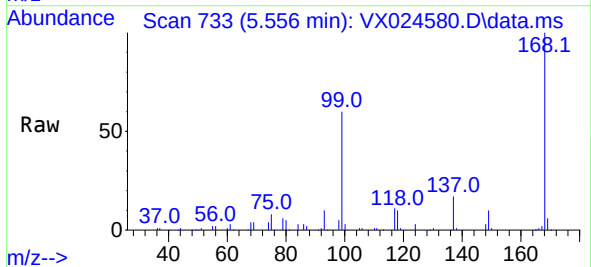
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-GRAB

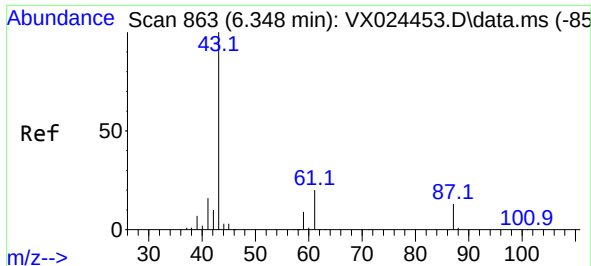
Tgt Ion: 75 Resp: 11068
Ion Ratio Lower Upper
75 100
110 4.4 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.747 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

Tgt Ion: 117 Resp: 14904
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#

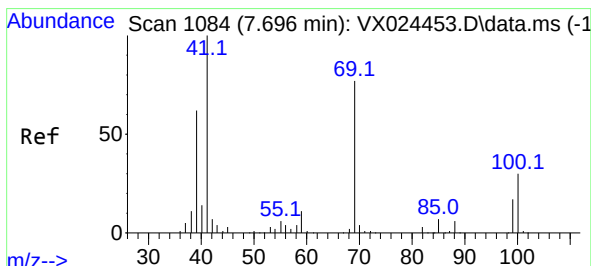
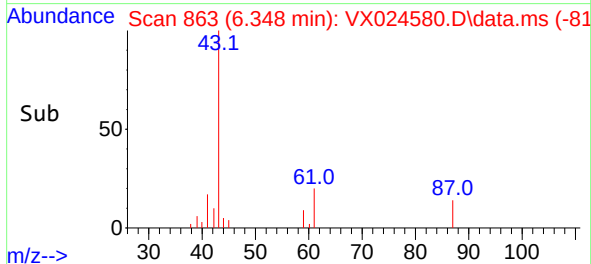
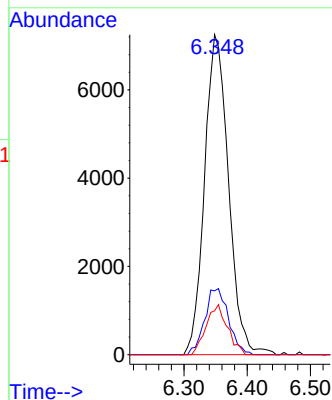
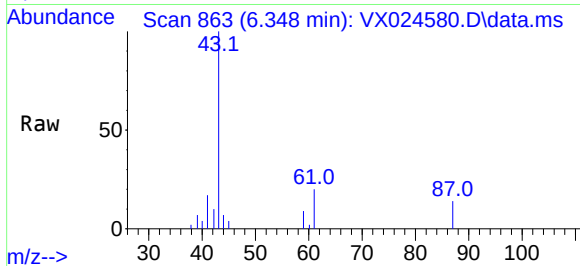




#43
Isopropyl Acetate
Concen: 4.224 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

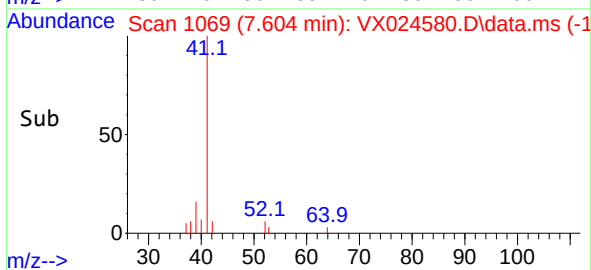
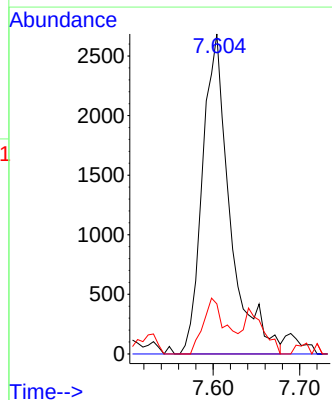
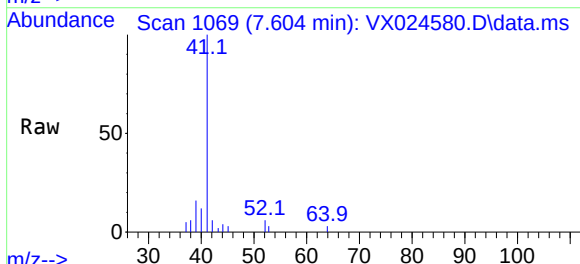
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-GRAB

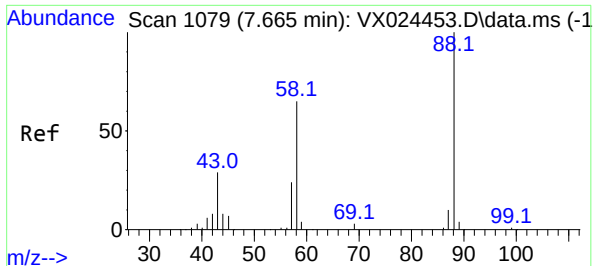
Tgt Ion:	43	Resp:	19100
Ion	Ratio	Lower	Upper
43	100		
61	20.5	18.2	27.4
87	14.0	12.5	18.7



#48
Methyl methacrylate
Concen: 2.648 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

Tgt Ion:	41	Resp:	5928
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

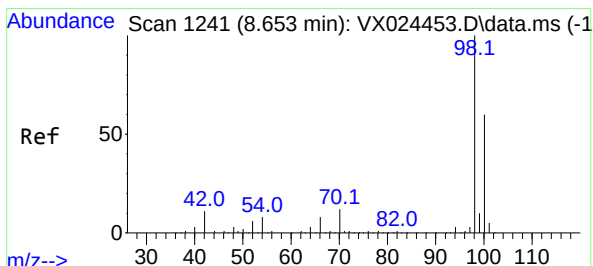
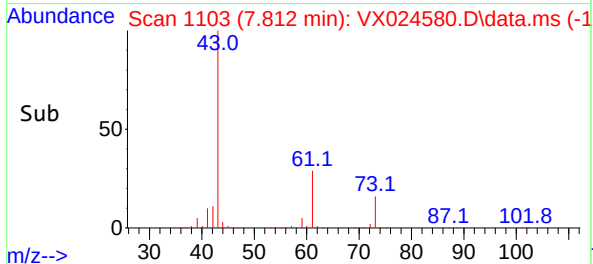
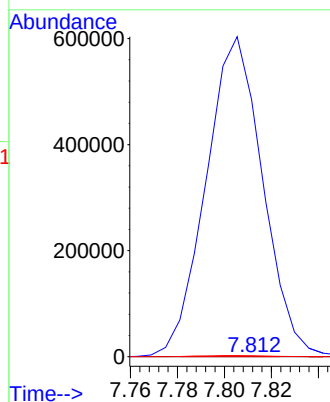
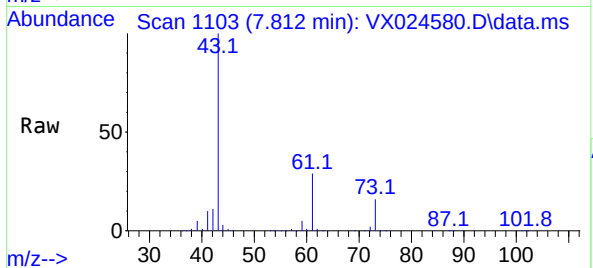




#49
1,4-Dioxane
Concen: 3.568 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.147 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

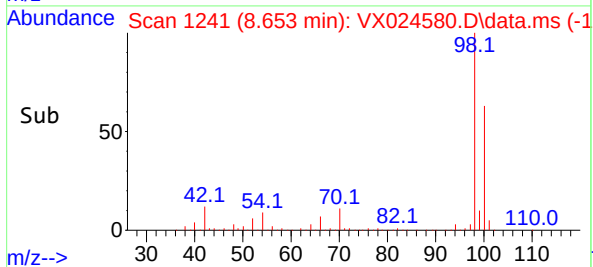
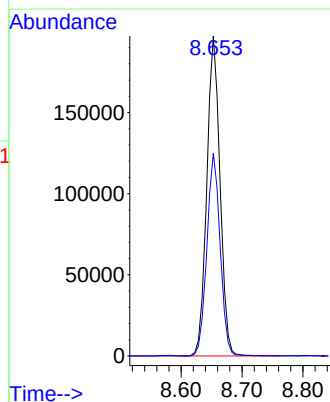
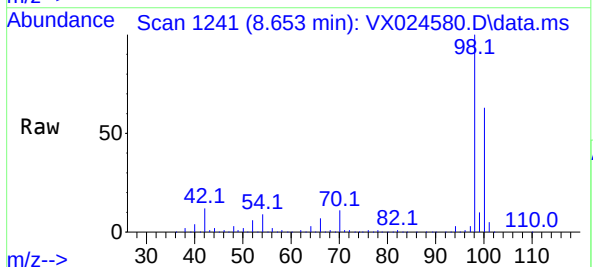
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-GRAB

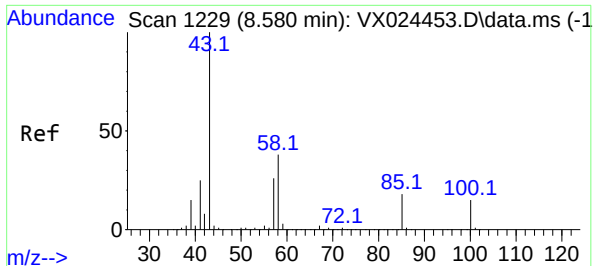
Tgt Ion: 88 Resp: 183
Ion Ratio Lower Upper
88 100
43 55829.0 23.2 34.8#
58 2482.0 55.0 82.4#



#50
Toluene-d8
Concen: 49.029 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

Tgt Ion: 98 Resp: 297905
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

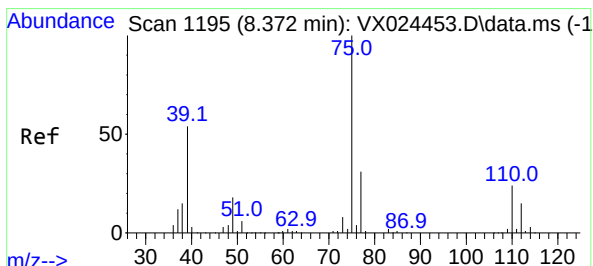
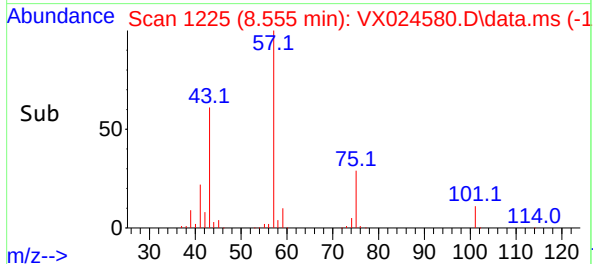
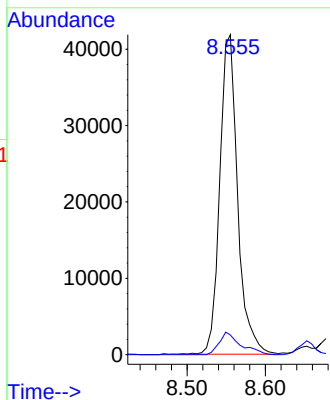
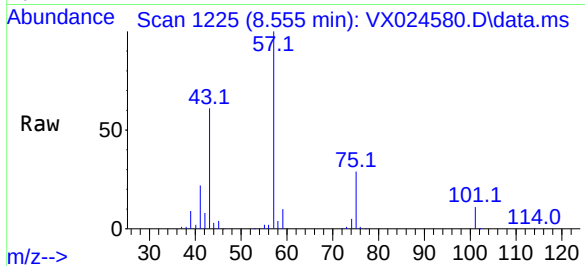




#51
4-Methyl-2-Pentanone
Concen: 22.238 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

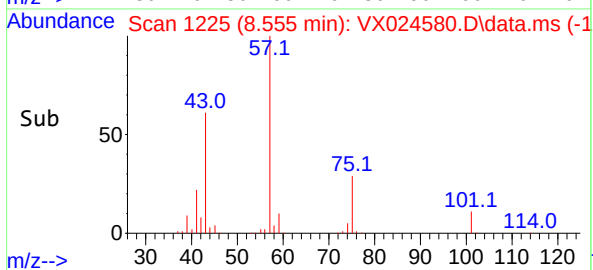
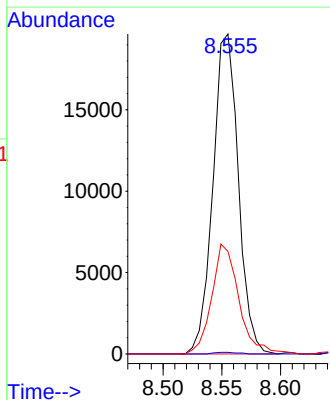
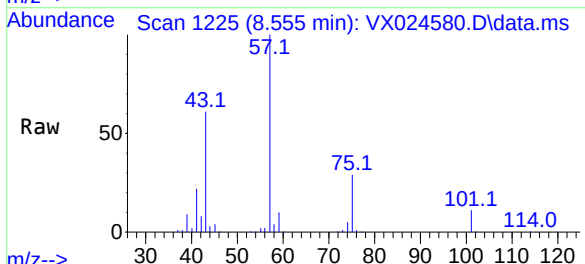
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-GRAB

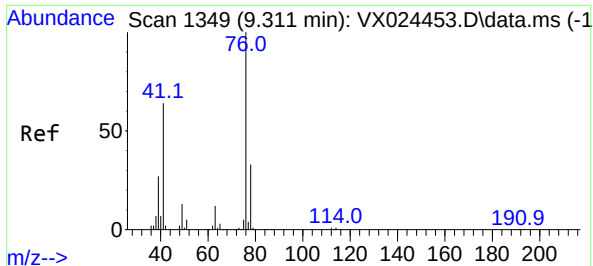
Tgt Ion: 43 Resp: 66384
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 10.627 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

Tgt Ion: 75 Resp: 29580
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 32.0 35.1 52.7#

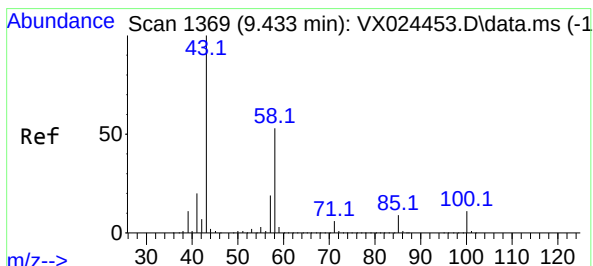
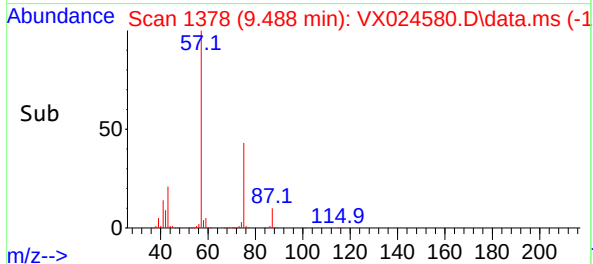
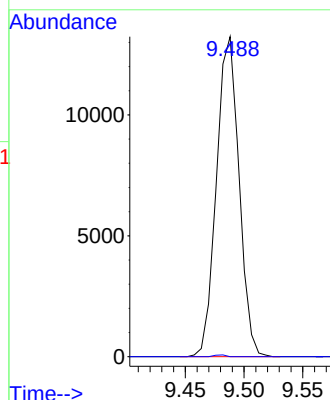
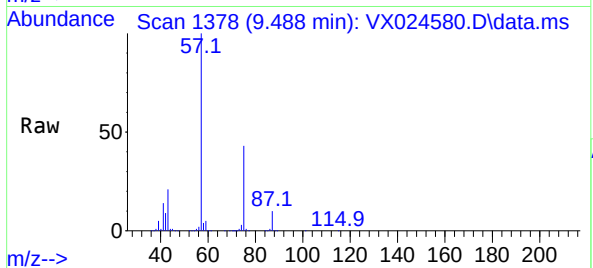




#57
1,3-Dichloropropane
Concen: 5.762 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

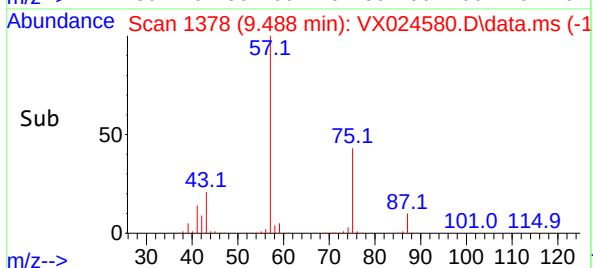
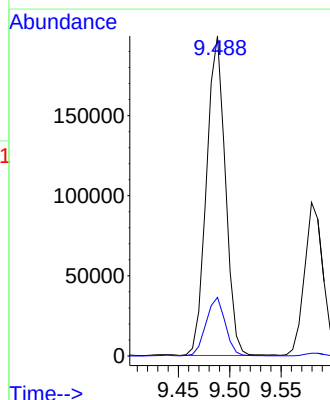
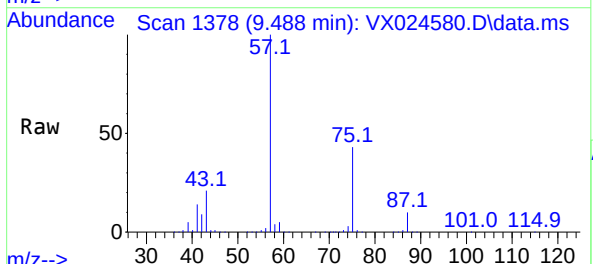
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-GRAB

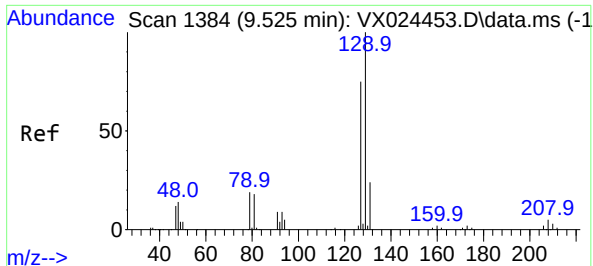
Tgt Ion: 76 Resp: 17689
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#



#59
2-Hexanone
Concen: 108.360 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

Tgt Ion: 43 Resp: 254743
Ion Ratio Lower Upper
43 100
58 18.7 30.9 92.8#





#60

Dibromochloromethane

Concen: 1.238 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX024580.D

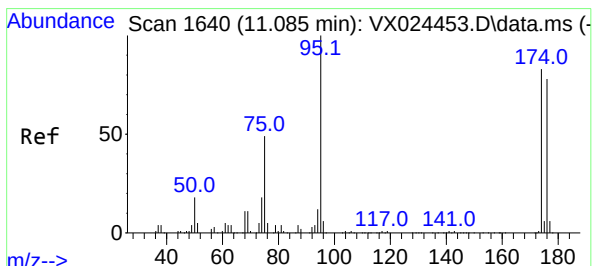
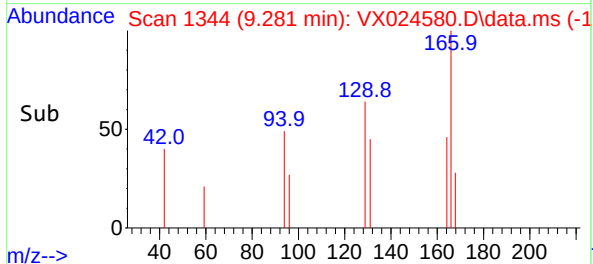
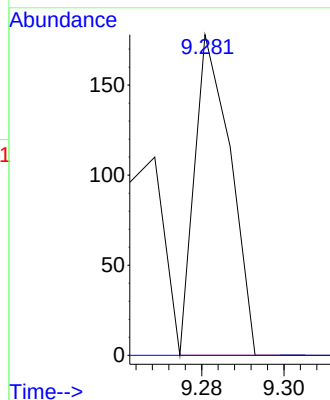
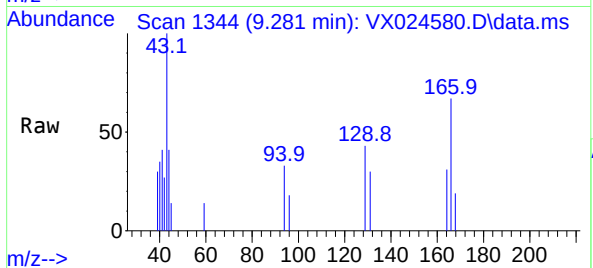
Acq: 05 Oct 2021 18:47

Tgt Ion:129 Resp: 108

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 50.276 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024580.D

Acq: 05 Oct 2021 18:47

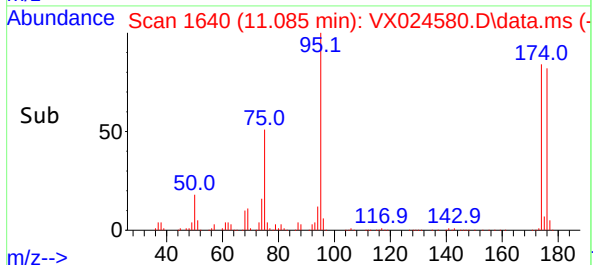
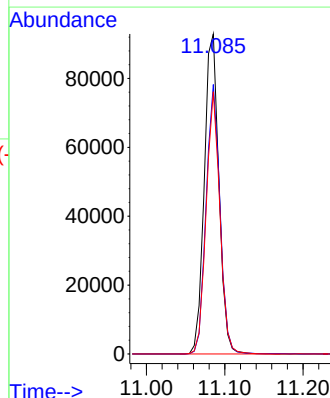
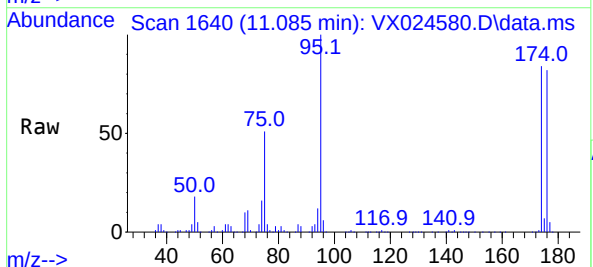
Tgt Ion: 95 Resp: 120110

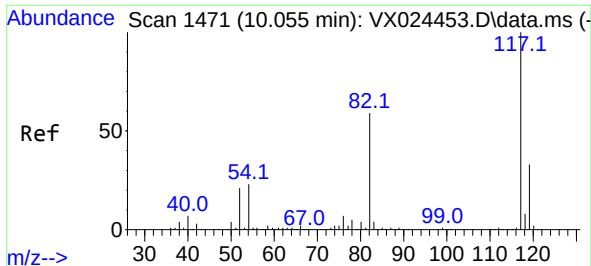
Ion Ratio Lower Upper

95 100

174 79.9 0.0 154.6

176 77.0 0.0 155.8

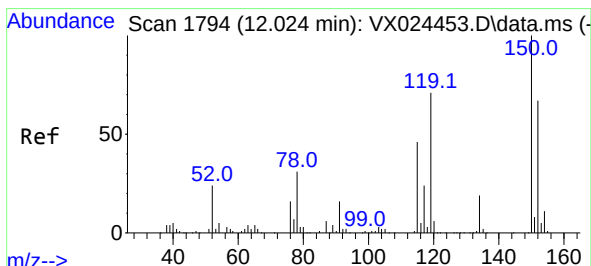
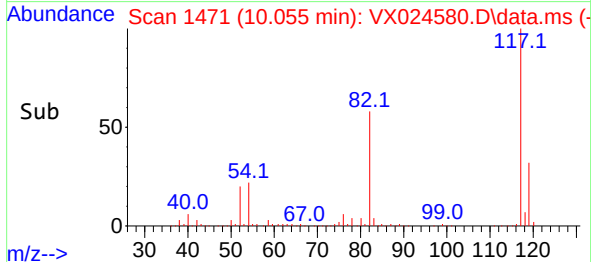
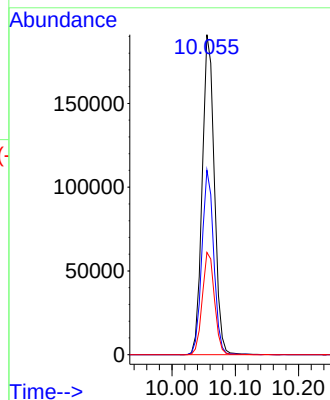
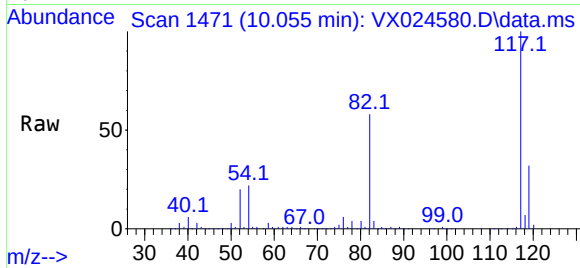




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

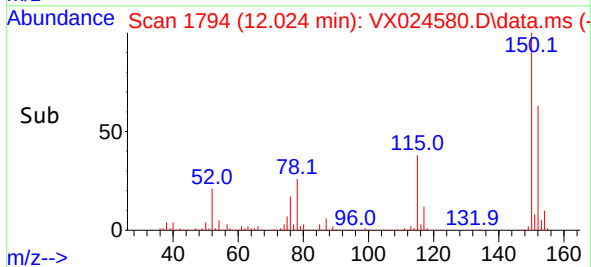
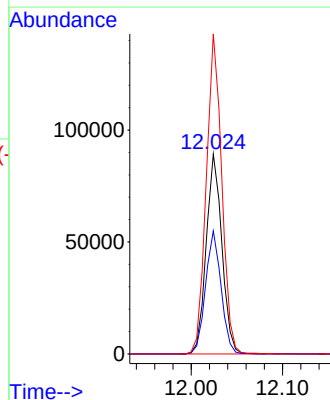
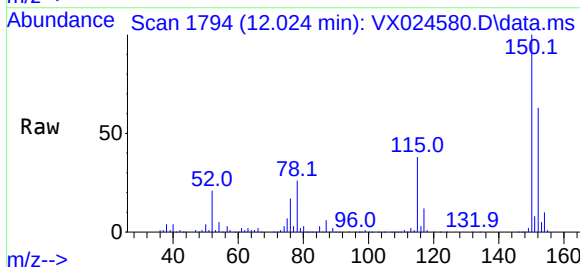
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-GRAB

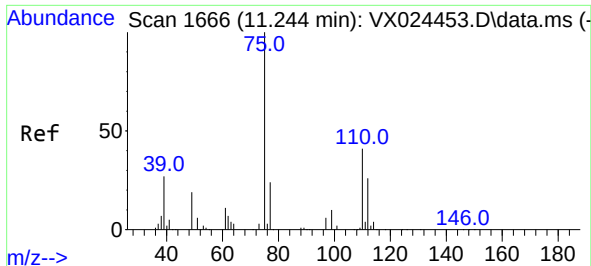
Tgt Ion:117 Resp: 255353
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 32.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

Tgt Ion:152 Resp: 106090
Ion Ratio Lower Upper
152 100
115 61.0 41.1 123.3
150 158.1 0.0 349.0

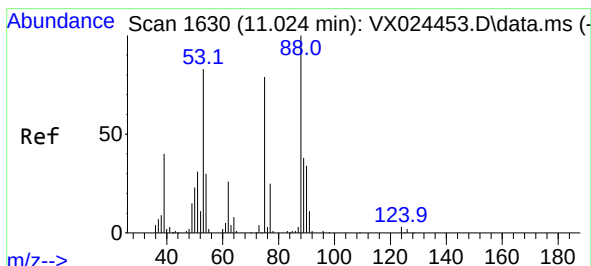
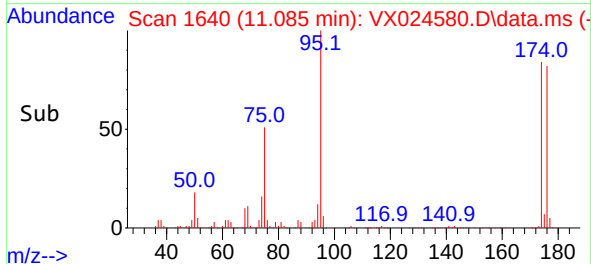
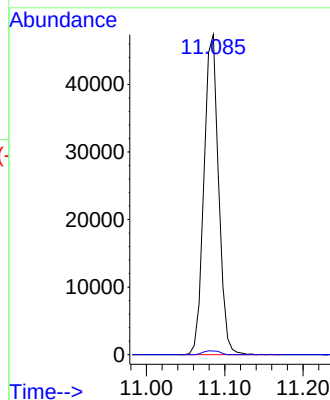
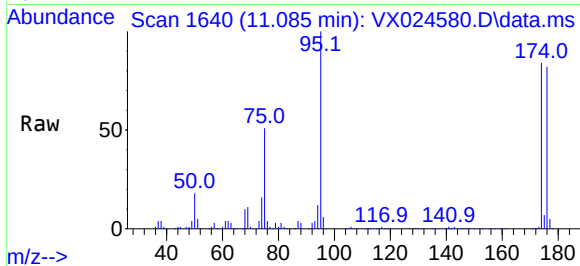




#76
1,2,3-Trichloropropane
Concen: 25.479 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-GRAB

Tgt Ion: 75 Resp: 61385
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.443 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024580.D
Acq: 05 Oct 2021 18:47

Tgt Ion: 75 Resp: 61385
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

