

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
 Data File : VX024581.D
 Acq On : 05 Oct 2021 19:10
 Operator : JC/MD
 Sample : M4047-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Oct 06 06:50:35 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

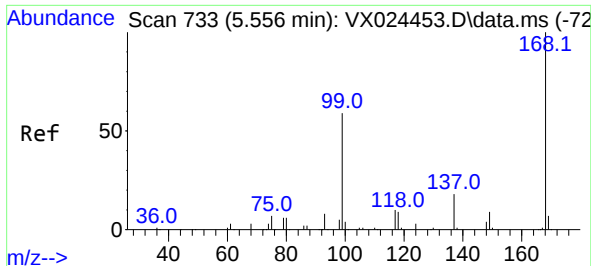
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	146992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	262561	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	109751	52.977	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.960%			
35) Dibromofluoromethane	5.397	113	89703	51.428	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.860%			
50) Toluene-d8	8.653	98	319970	49.841	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.680%			
62) 4-Bromofluorobenzene	11.085	95	104203	41.282	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 82.560%#			
Target Compounds						Qvalue
5) Bromomethane	1.618	94	271	0.276	ug/l #	75
6) Chloroethane	1.685	64	304	0.570	ug/l #	43
11) Tert butyl alcohol	2.971	59	518	Below Cal	#	73
13) Acrolein	2.002	56	44	10.435	ug/l #	14
16) Acetone	2.386	43	6403	Below Cal		91
17) Carbon Disulfide	2.514	76	154	0.272	ug/l #	75
18) Methyl Acetate	2.709	43	1164	0.375	ug/l #	81
20) Methylene Chloride	2.794	84	10213	5.572	ug/l #	91
25) 2-Butanone	4.587	43	2528	1.772	ug/l #	89
29) Tetrahydrofuran	5.032	42	362	0.398	ug/l #	65
31) Cyclohexane	5.568	56	2865	1.155	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11664	4.634	ug/l #	49
38) Carbon Tetrachloride	5.556	117	14993	5.472	ug/l #	18
43) Isopropyl Acetate	6.348	43	19502	4.082	ug/l	94
48) Methyl methacrylate	7.598	41	6026	2.547	ug/l #	10
49) 1,4-Dioxane	7.806	88	185	3.414	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	67071	21.265	ug/l #	43
54) cis-1,3-Dichloropropene	8.555	75	28425	9.665	ug/l #	69
57) 1,3-Dichloropropane	9.488	76	18289	5.638	ug/l #	43
59) 2-Hexanone	9.488	43	256677	103.337	ug/l #	44
60) Dibromochloromethane	9.281	129	88	1.227	ug/l #	11
74) N-amyl acetate	10.775	43	680	0.217	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	56932	26.066	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	56932	70.997	ug/l #	12

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

Quant Time: Oct 06 06:50:35 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

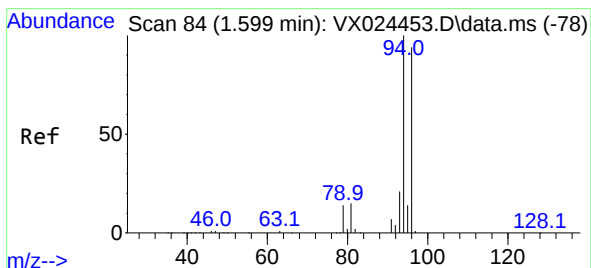
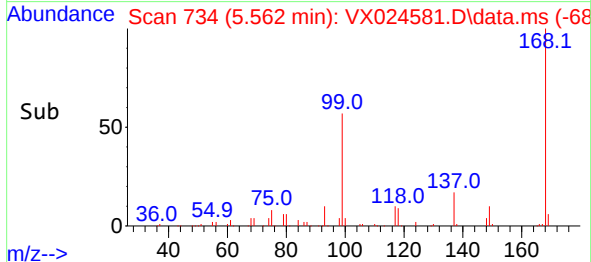
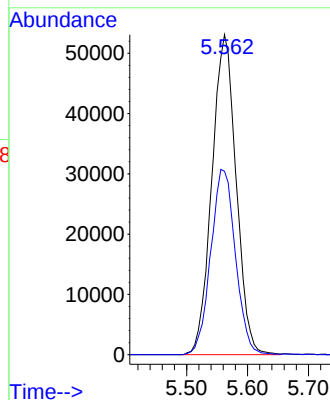
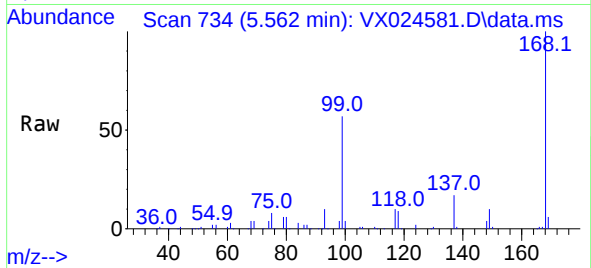




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

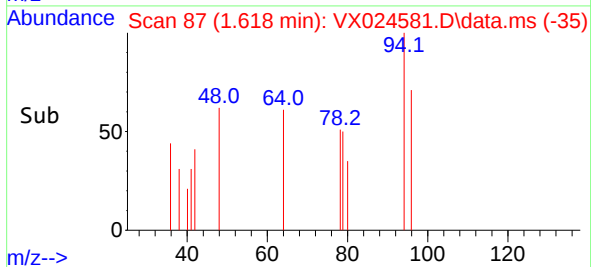
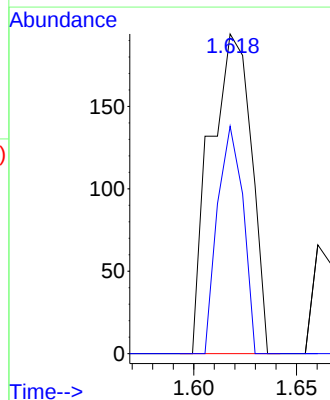
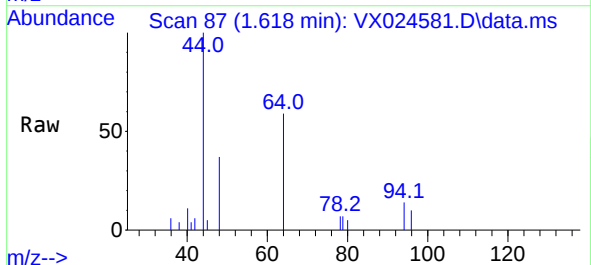
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-COMPOSITE

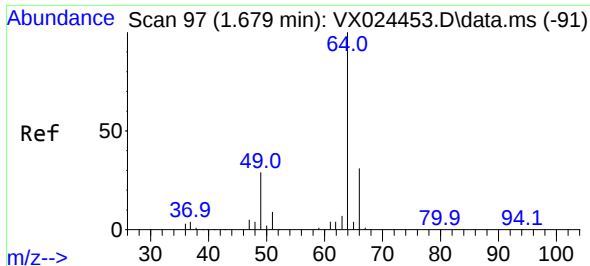
Tgt Ion:168 Resp: 146992
Ion Ratio Lower Upper
168 100
99 57.3 45.8 68.6



#5
Bromomethane
Concen: 0.276 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

Tgt Ion: 94 Resp: 271
Ion Ratio Lower Upper
94 100
96 71.1 76.4 114.6#

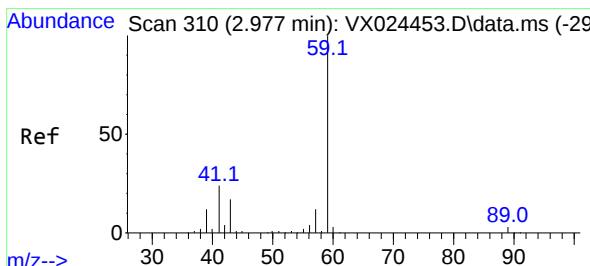
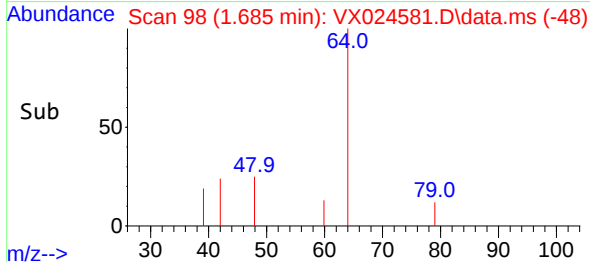
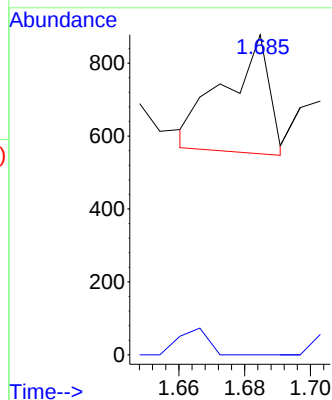
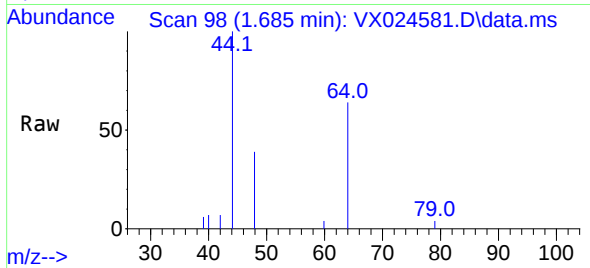




#6
Chloroethane
Concen: 0.570 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

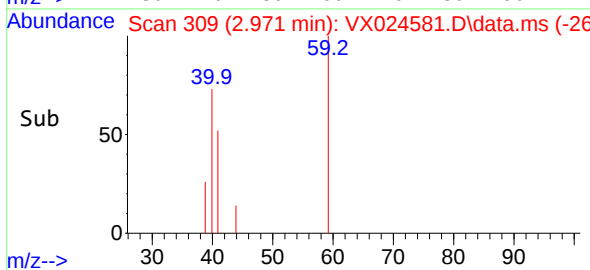
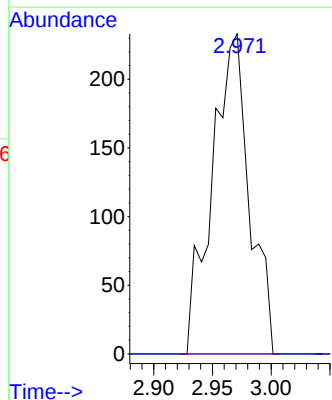
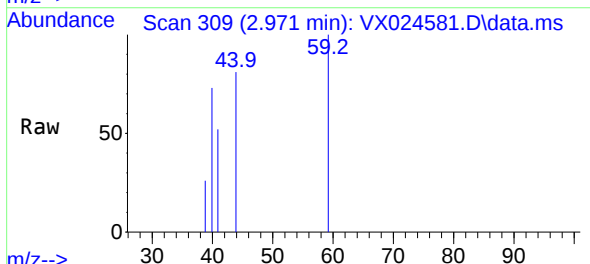
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-COMPOSITE

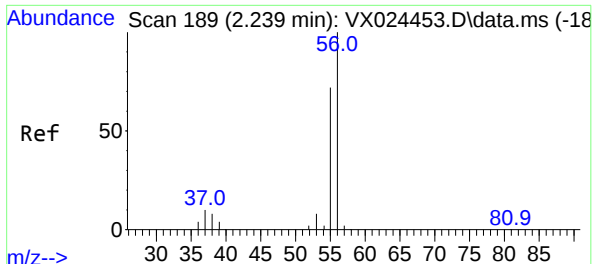
Tgt Ion: 64 Resp: 304
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

Tgt Ion: 59 Resp: 518
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

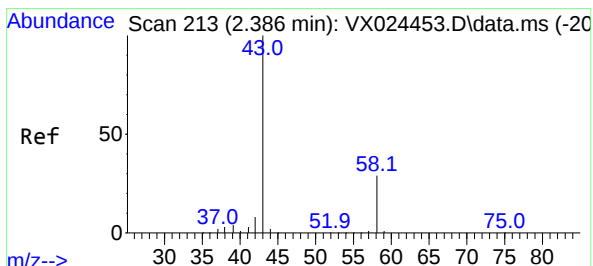
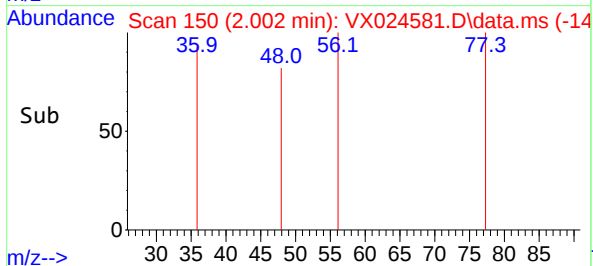
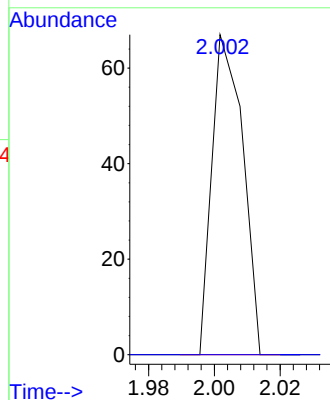
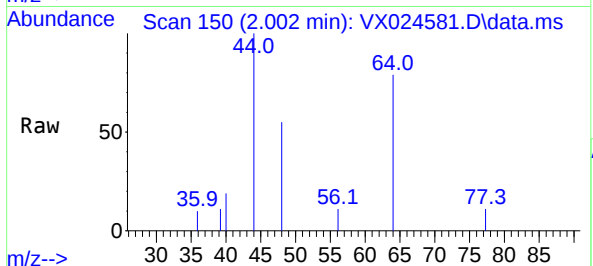




#13
Acrolein
Concen: 10.435 ug/l
RT: 2.002 min Scan# 150
Delta R.T. -0.237 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

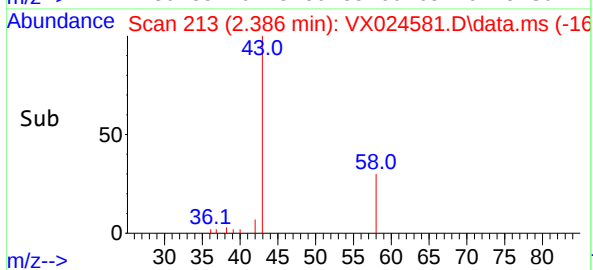
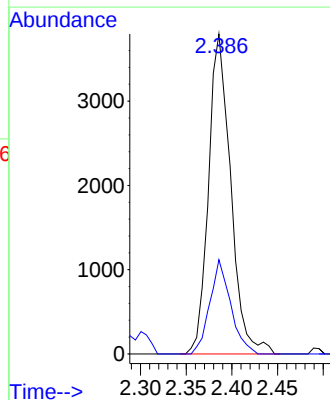
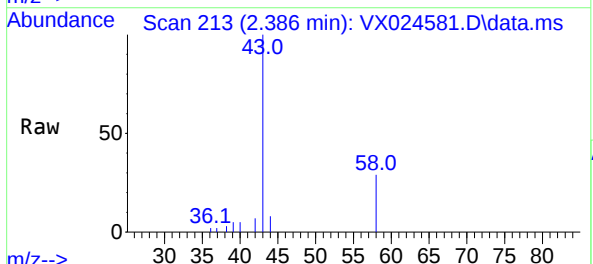
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-COMPOSITE

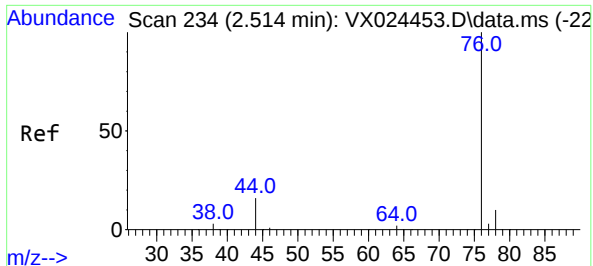
Tgt Ion: 56 Resp: 44
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

Tgt Ion: 43 Resp: 6403
Ion Ratio Lower Upper
43 100
58 29.4 27.8 41.8

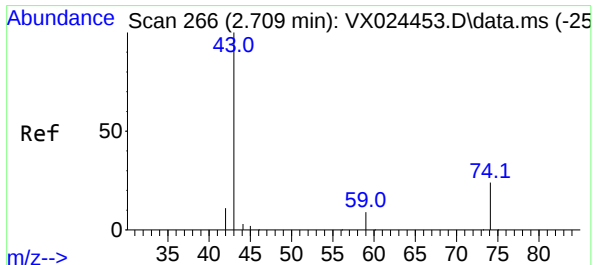
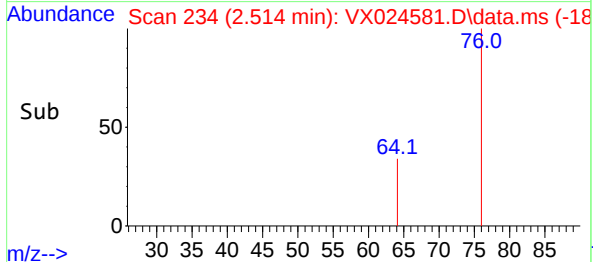
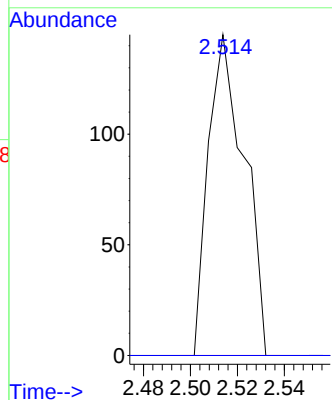
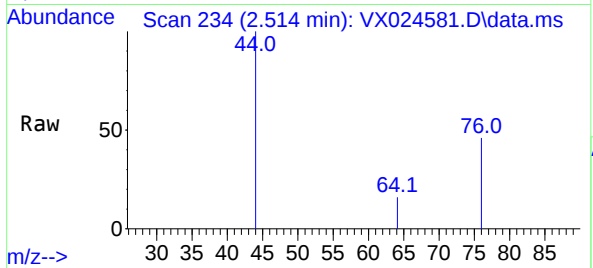




#17
Carbon Disulfide
Concen: 0.272 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

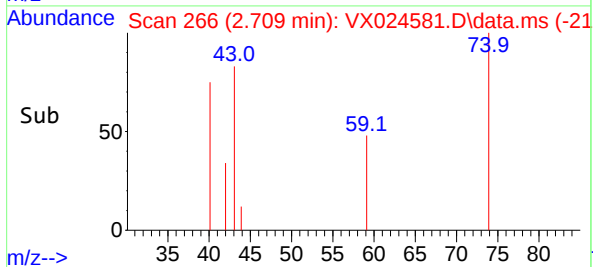
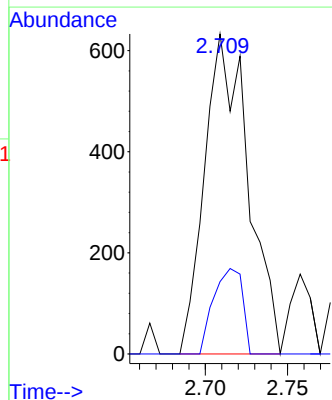
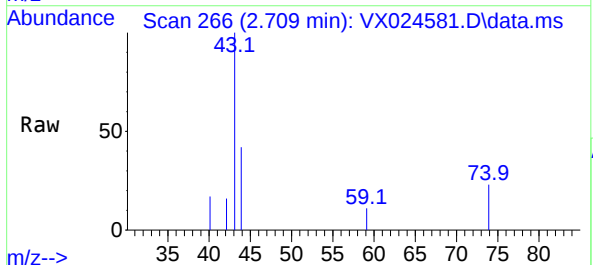
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-COMPOSITE

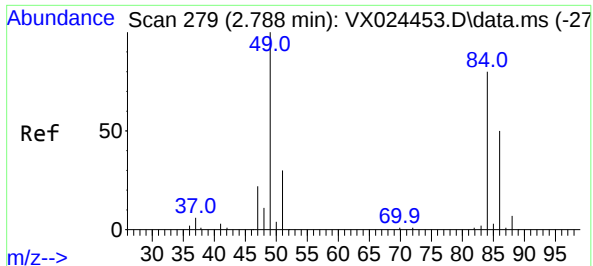
Tgt Ion: 76 Resp: 154
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.375 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

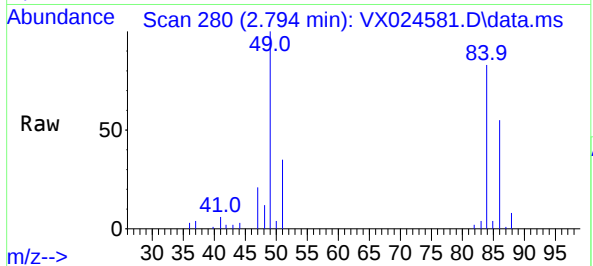
Tgt Ion: 43 Resp: 1164
Ion Ratio Lower Upper
43 100
74 17.7 21.9 32.9#



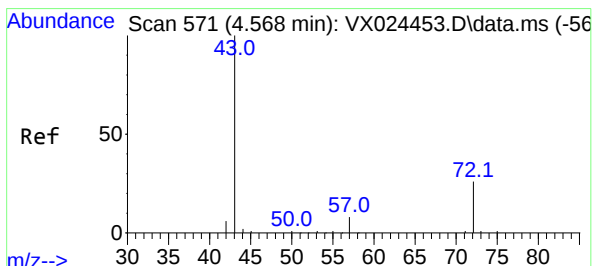
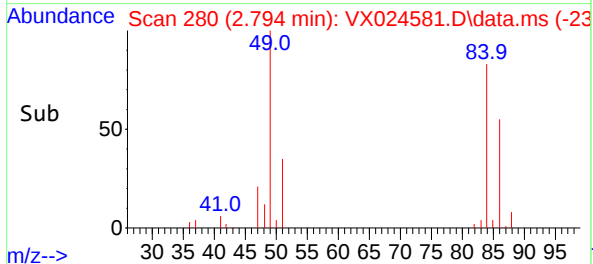
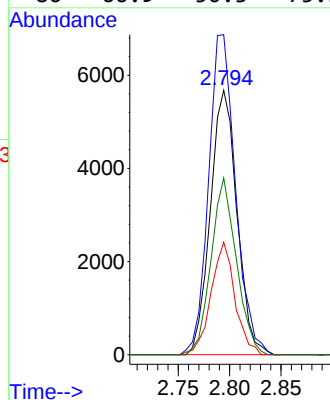


#20
Methylene Chloride
Concen: 5.572 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

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

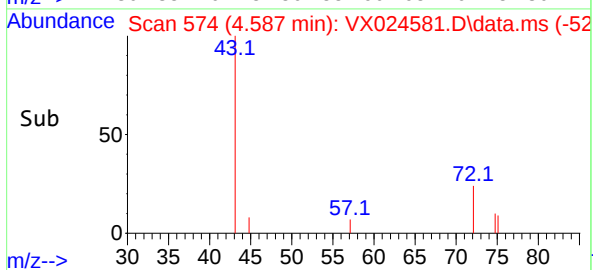
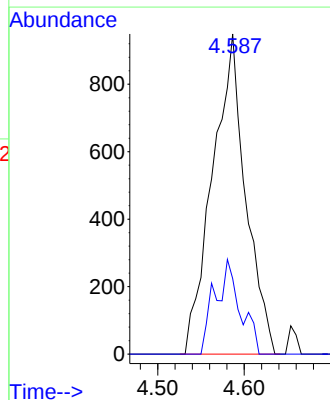
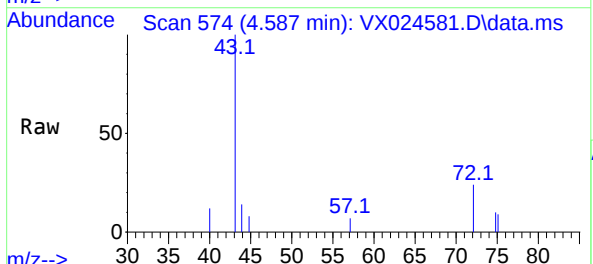


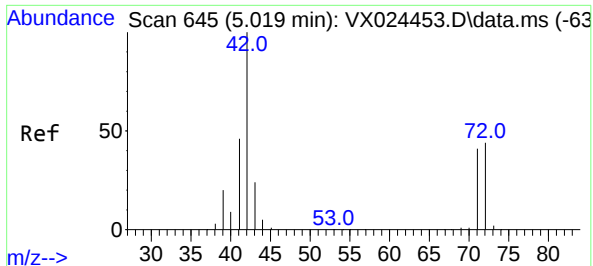
Tgt Ion:	84	Resp:	10213
Ion	Ratio	Lower	Upper
84	100		
49	121.0	88.6	132.8
51	42.5	27.0	40.6#
86	66.9	50.3	75.5



#25
2-Butanone
Concen: 1.772 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

Tgt Ion:	43	Resp:	2528
Ion	Ratio	Lower	Upper
43	100		
72	23.6	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.398 ug/l

RT: 5.032 min Scan# 647

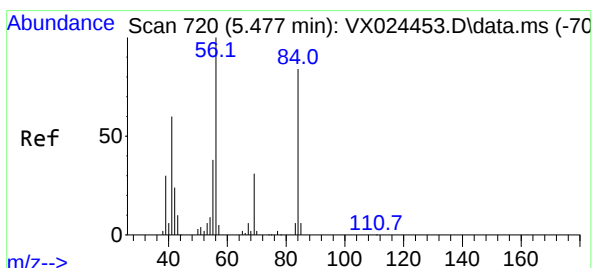
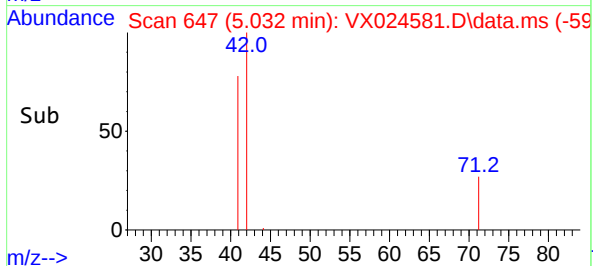
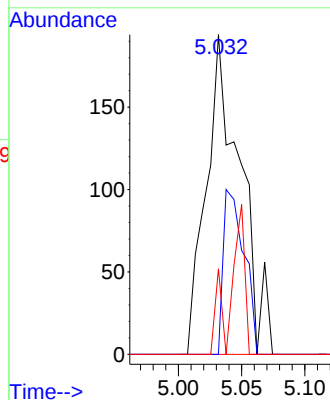
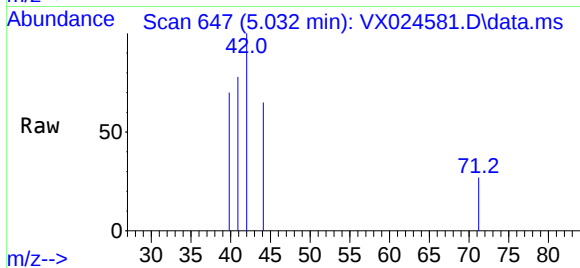
Delta R.T. 0.013 min

Lab File: VX024581.D

Acq: 05 Oct 2021 19:10

Tgt Ion:	42	Resp:	362
Ion	Ratio	Lower	Upper
42	100		
72	31.5	41.7	62.5#
71	19.9	38.4	57.6#

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



#31

Cyclohexane

Concen: 1.155 ug/l

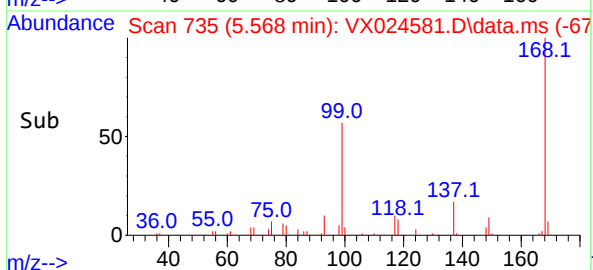
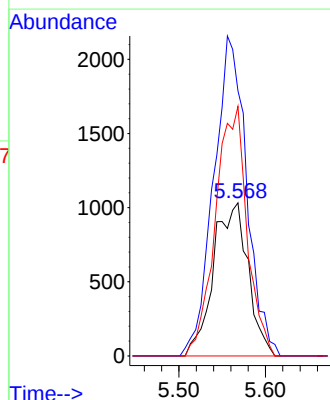
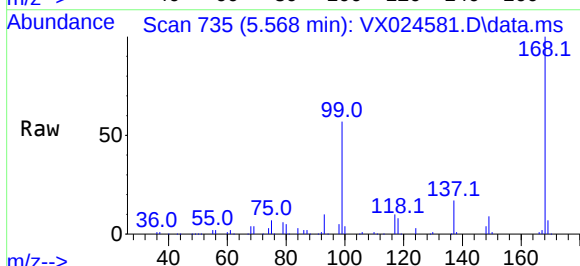
RT: 5.568 min Scan# 735

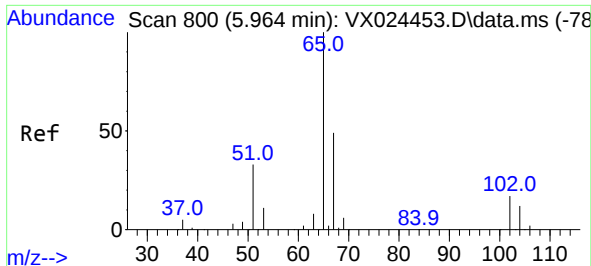
Delta R.T. 0.091 min

Lab File: VX024581.D

Acq: 05 Oct 2021 19:10

Tgt Ion:	56	Resp:	2865
Ion	Ratio	Lower	Upper
56	100		
69	173.1	25.3	37.9#
84	162.9	71.4	107.0#



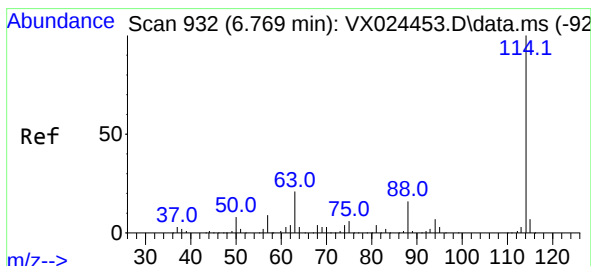
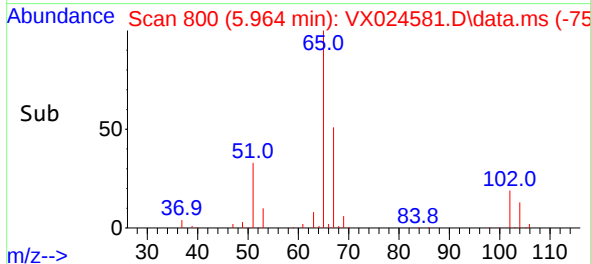
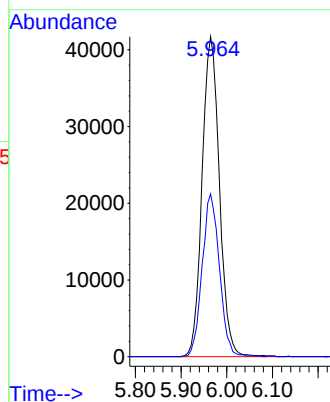
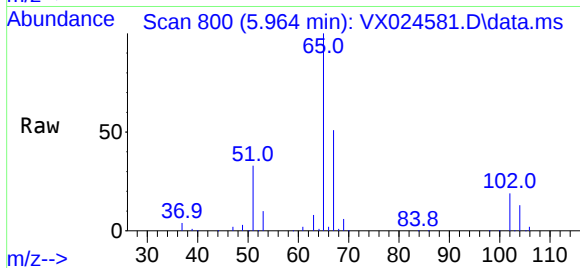


#33

1,2-Dichloroethane-d4
Concen: 52.977 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

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

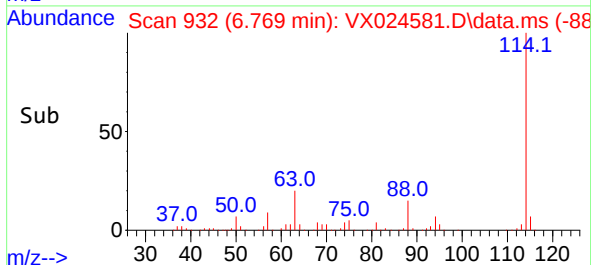
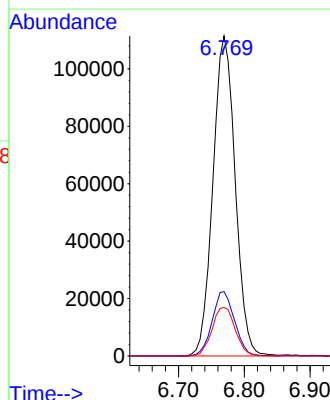
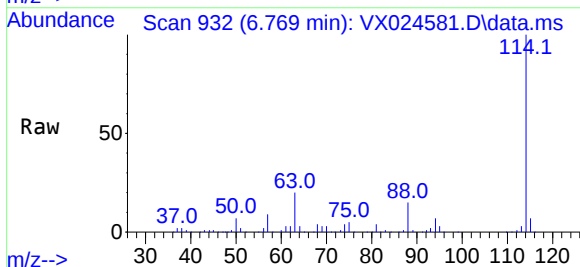
Tgt Ion: 65 Resp: 109751
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4

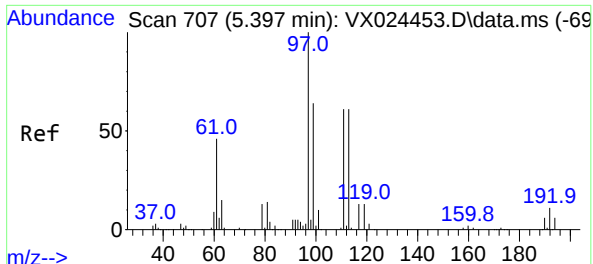


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

Tgt Ion: 114 Resp: 262561
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 15.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.428 ug/l

RT: 5.397 min Scan# 707

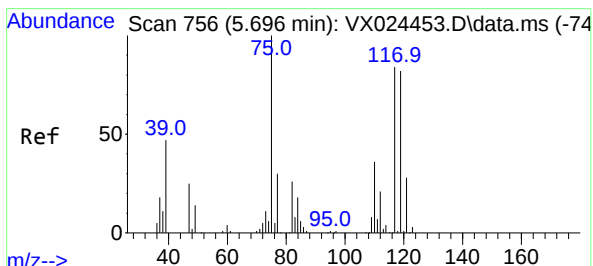
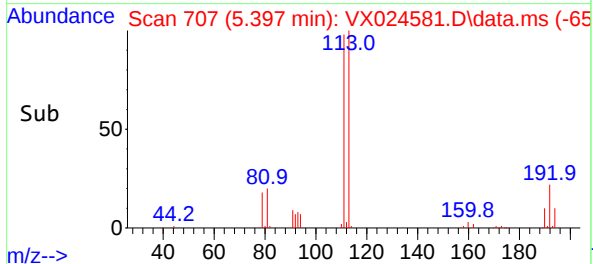
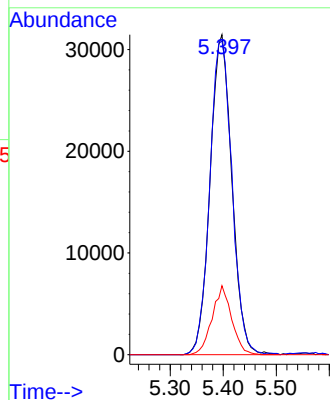
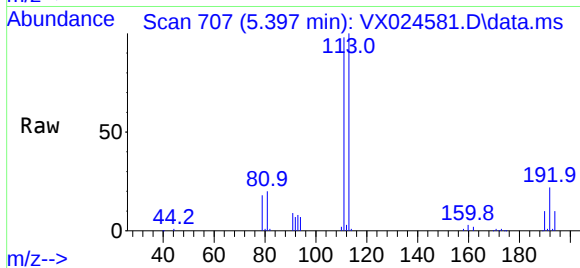
Delta R.T. 0.000 min

Lab File: VX024581.D

Acq: 05 Oct 2021 19:10

Tgt Ion:	113	Resp:	89703
Ion	Ratio	Lower	Upper
113	100		
111	100.1	81.9	122.9
192	19.3	16.7	25.1

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



#36

1,1-Dichloropropene

Concen: 4.634 ug/l

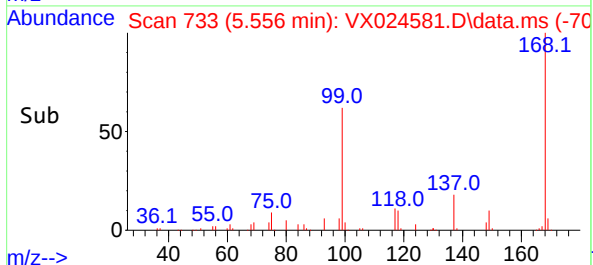
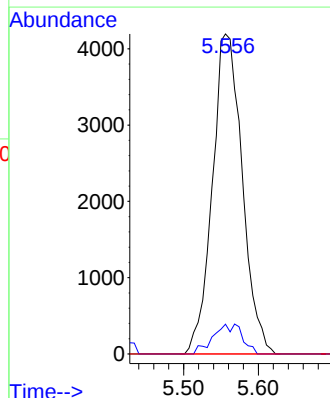
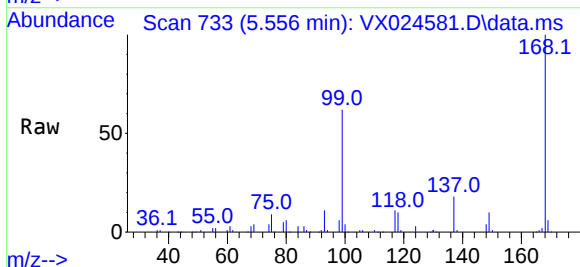
RT: 5.556 min Scan# 733

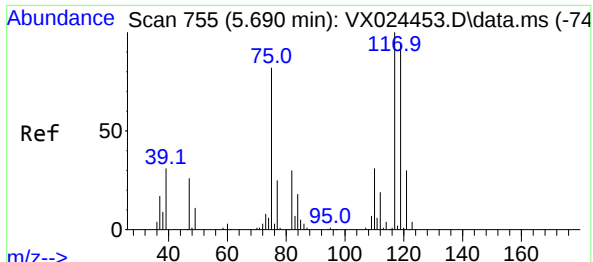
Delta R.T. -0.140 min

Lab File: VX024581.D

Acq: 05 Oct 2021 19:10

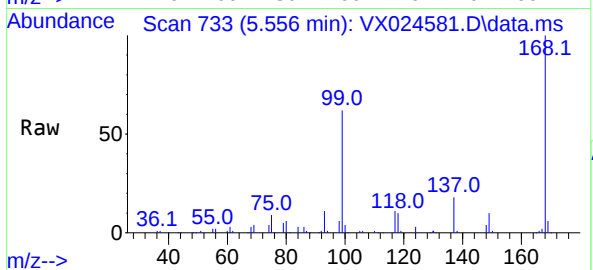
Tgt Ion:	75	Resp:	11664
Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	25.3	37.9#



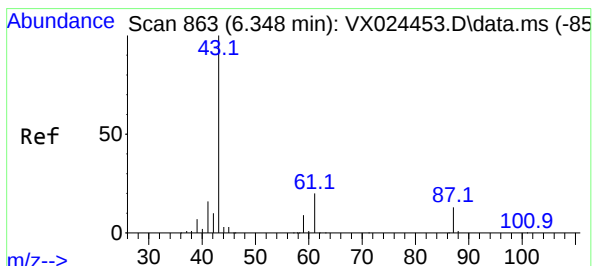
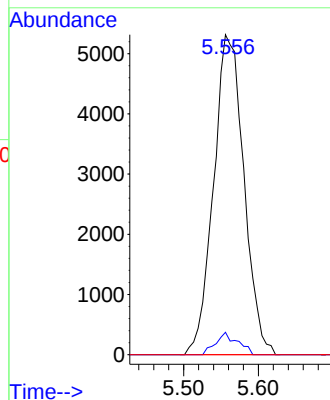
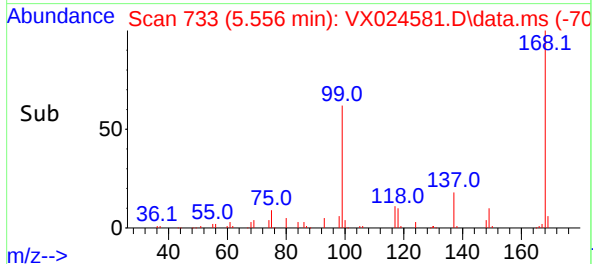


#38
Carbon Tetrachloride
Concen: 5.472 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

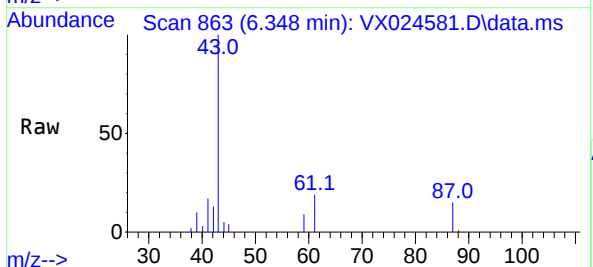
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-COMPOSITE



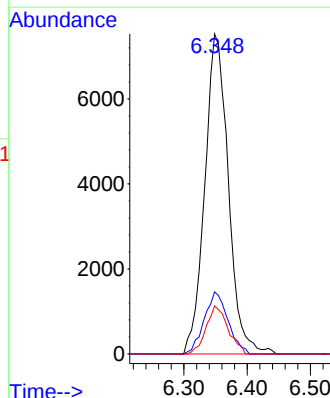
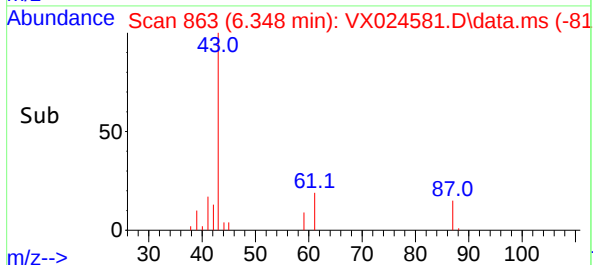
Tgt Ion:117 Resp: 14993
Ion Ratio Lower Upper
117 100
119 7.0 76.2 114.2#
121 0.0 24.8 37.2#

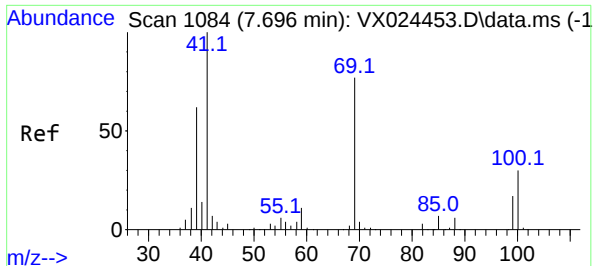


#43
Isopropyl Acetate
Concen: 4.082 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10



Tgt Ion: 43 Resp: 19502
Ion Ratio Lower Upper
43 100
61 19.5 18.2 27.4
87 13.9 12.5 18.7



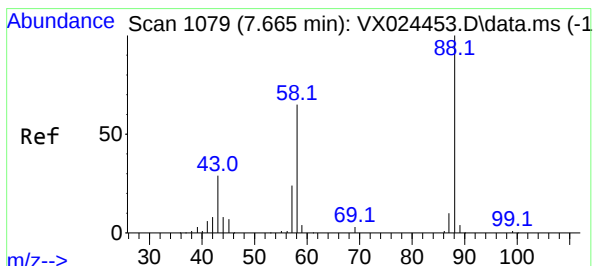
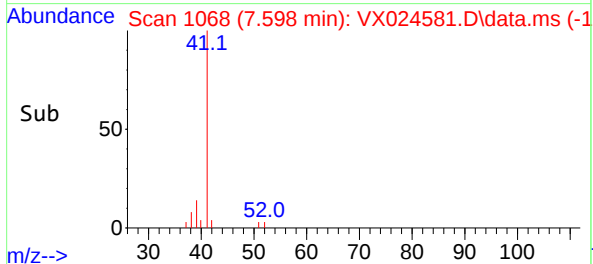
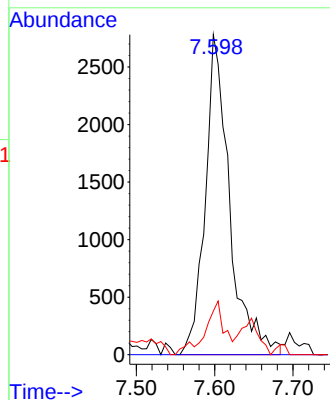
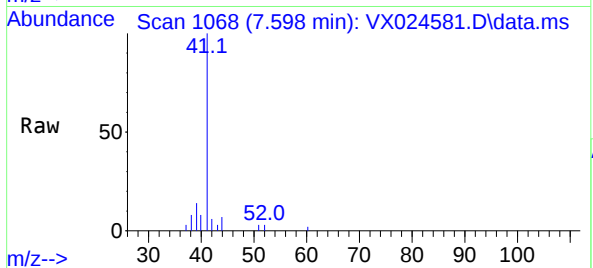


#48

Methyl methacrylate
Concen: 2.547 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

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

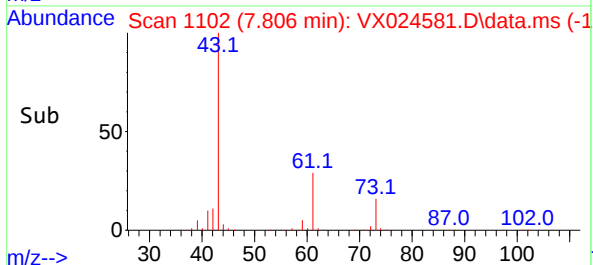
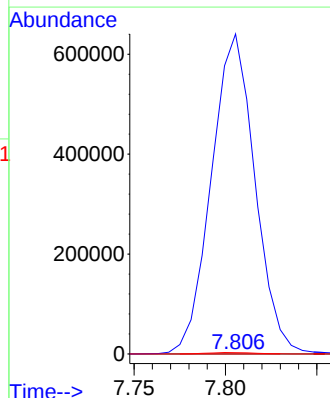
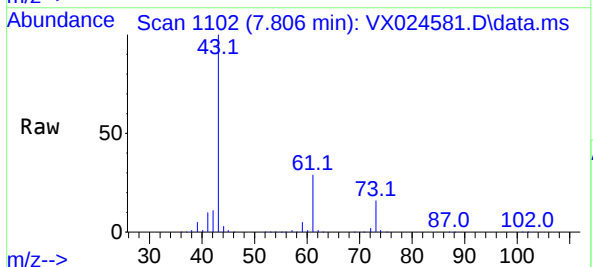
Tgt Ion: 41 Resp: 6026
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

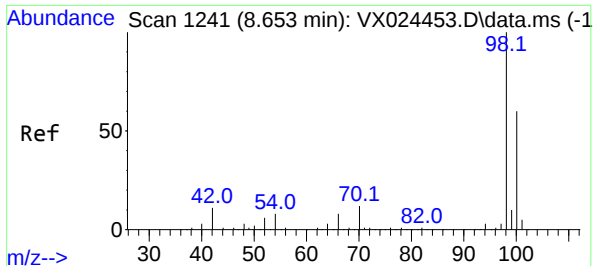


#49

1,4-Dioxane
Concen: 3.414 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.141 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

Tgt Ion: 88 Resp: 185
Ion Ratio Lower Upper
88 100
43 578378.4 23.2 34.8#
58 2683.8 55.0 82.4#

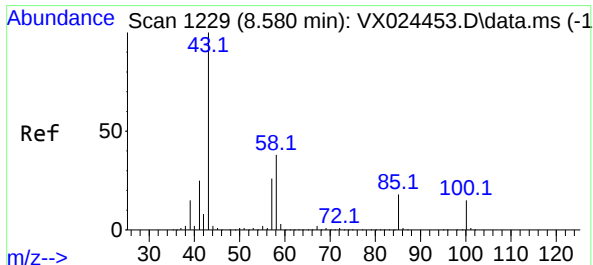
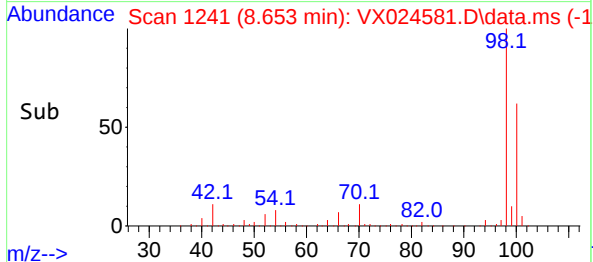
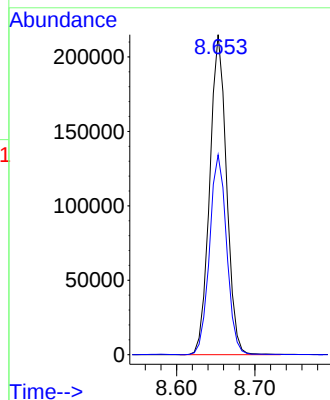
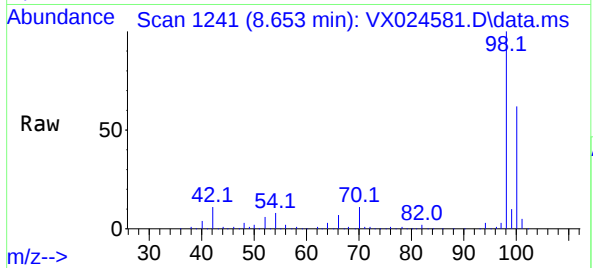




#50
Toluene-d8
Concen: 49.841 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

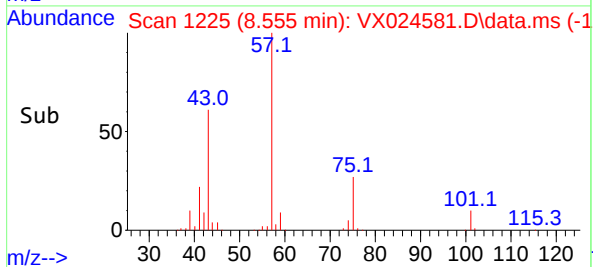
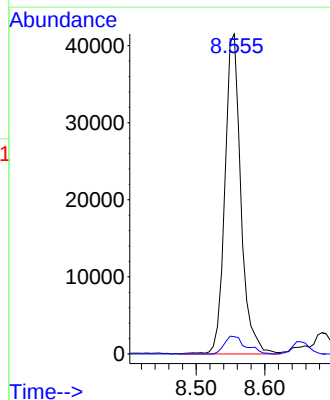
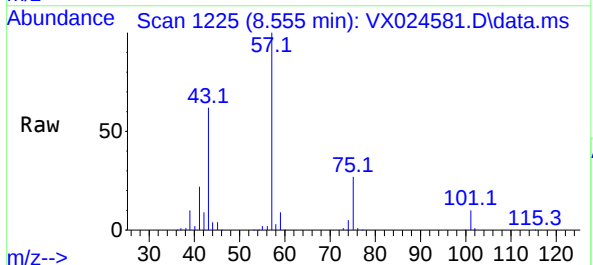
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-COMPOSITE

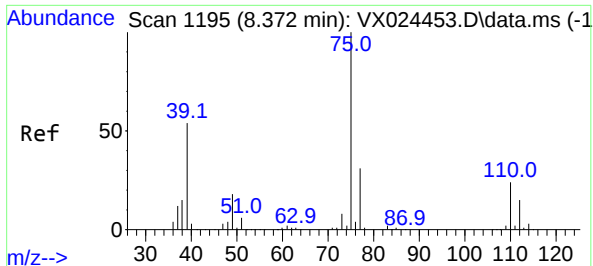
Tgt Ion: 98 Resp: 319970
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 21.265 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

Tgt Ion: 43 Resp: 67071
Ion Ratio Lower Upper
43 100
58 7.4 35.4 53.0#

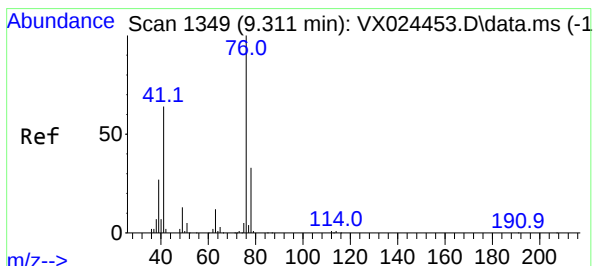
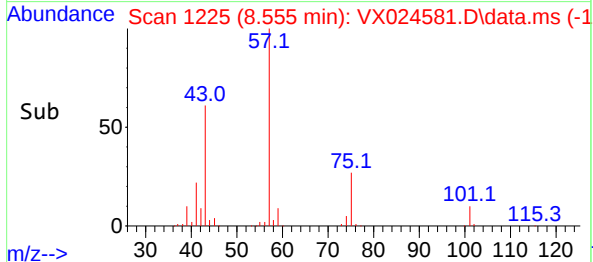
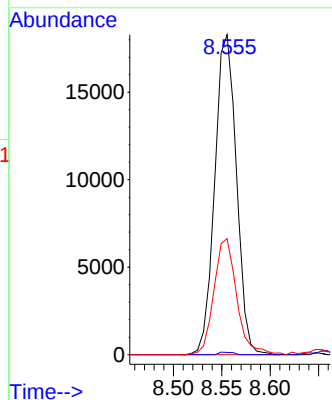
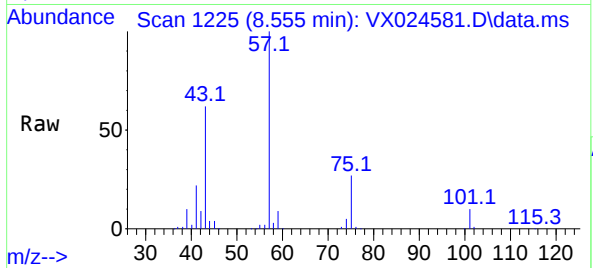




#54
 cis-1,3-Dichloropropene
 Concen: 9.665 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX024581.D
 Acq: 05 Oct 2021 19:10

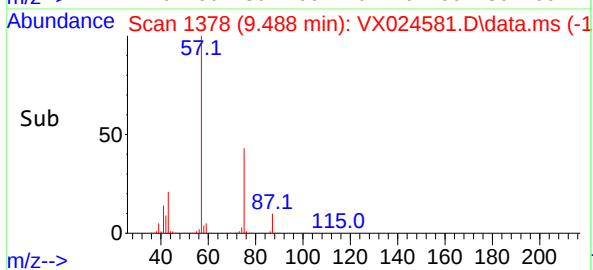
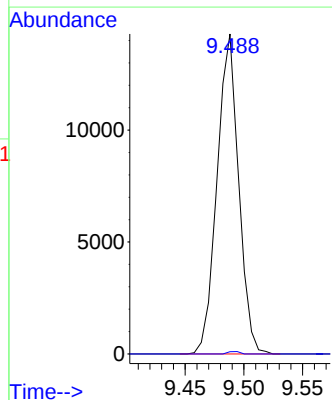
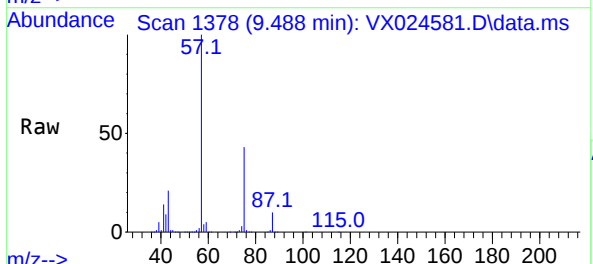
Instrument :
 MSVOA_X
 ClientSampleId :
 149-ENV-1-COMPOSITE

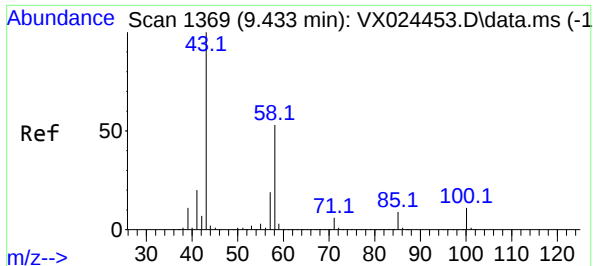
Tgt Ion: 75 Resp: 28425
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.7 38.5#
 39 36.3 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 5.638 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX024581.D
 Acq: 05 Oct 2021 19:10

Tgt Ion: 76 Resp: 18289
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.2 39.2#

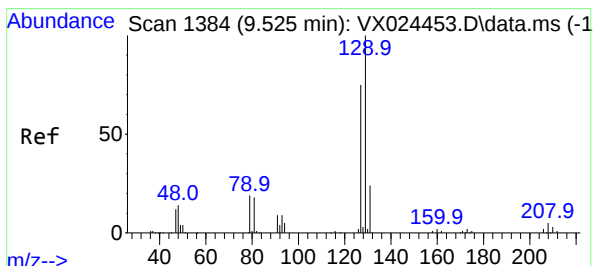
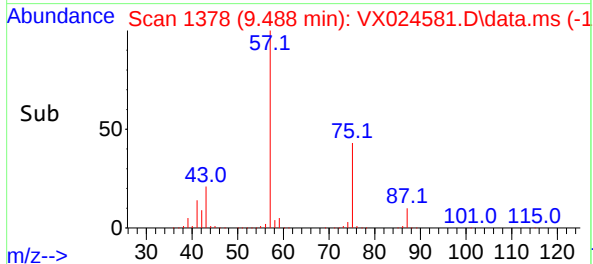
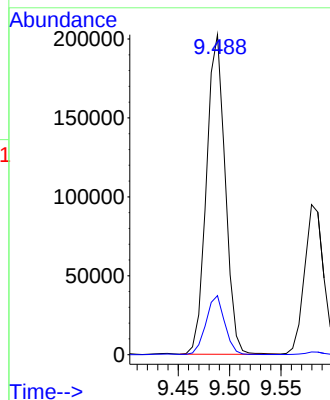
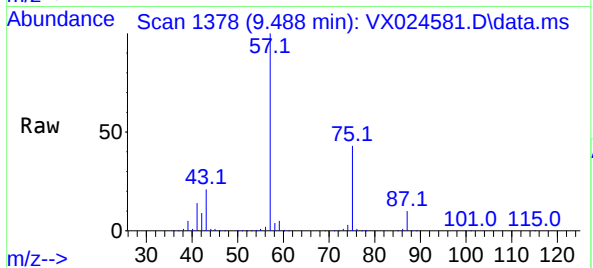




#59
2-Hexanone
Concen: 103.337 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

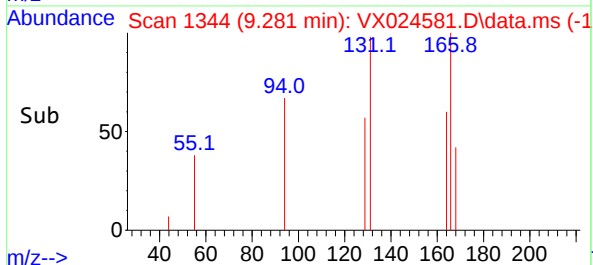
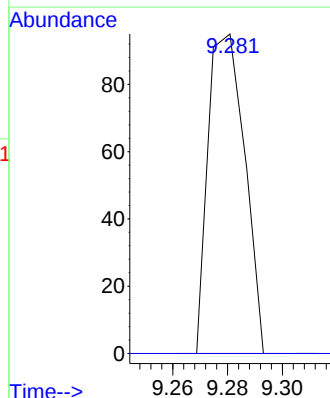
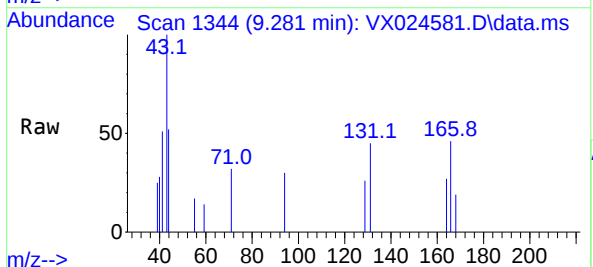
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-COMPOSITE

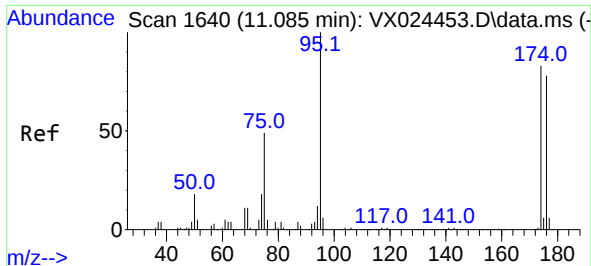
Tgt Ion: 43 Resp: 256677
Ion Ratio Lower Upper
43 100
58 18.5 30.9 92.8#



#60
Dibromochloromethane
Concen: 1.227 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

Tgt Ion: 129 Resp: 88
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

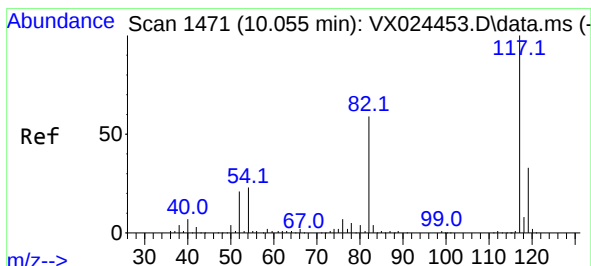
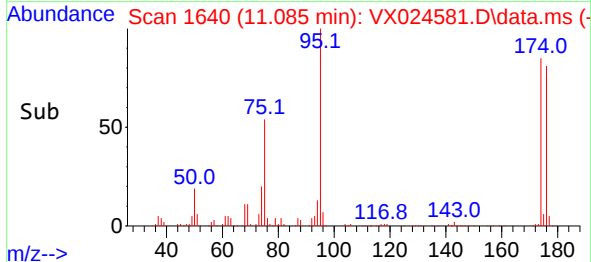
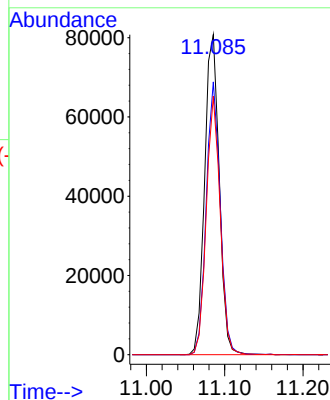
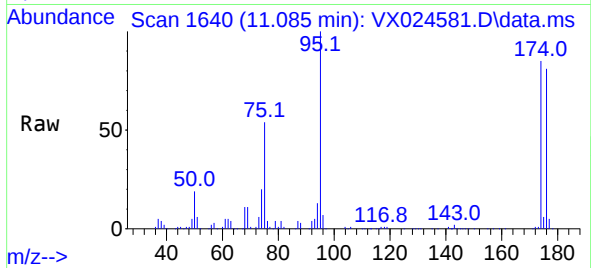




#62
4-Bromofluorobenzene
Concen: 41.282 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

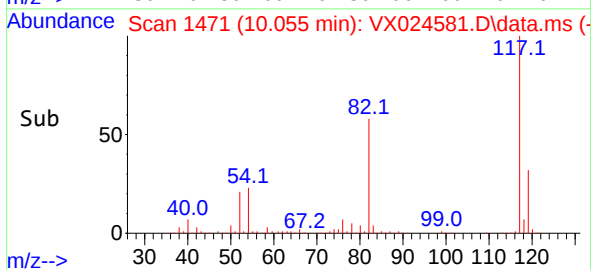
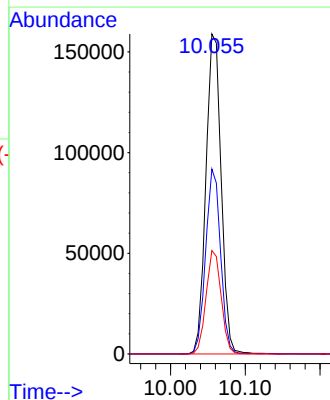
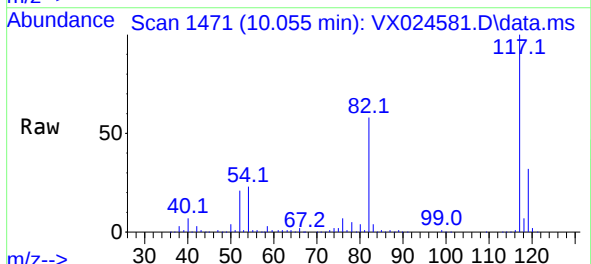
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-COMPOSITE

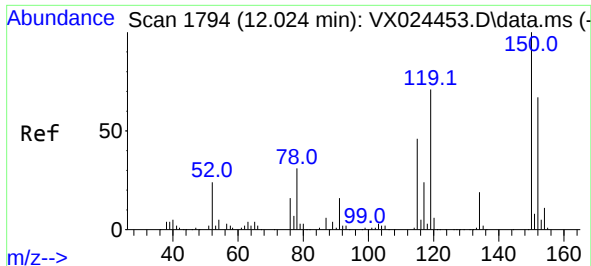
Tgt Ion: 95 Resp: 104203
Ion Ratio Lower Upper
95 100
174 81.9 0.0 154.6
176 76.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

Tgt Ion: 117 Resp: 224958
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 32.3 26.6 39.8

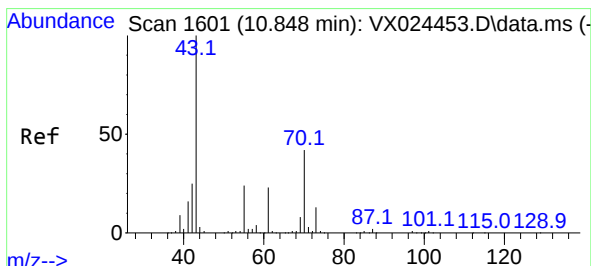
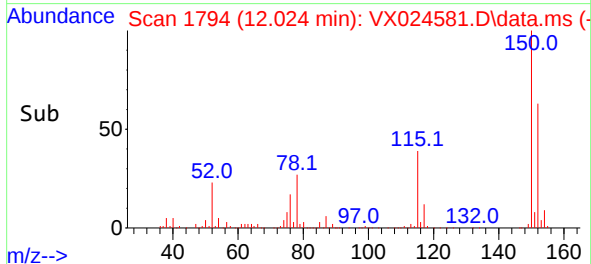
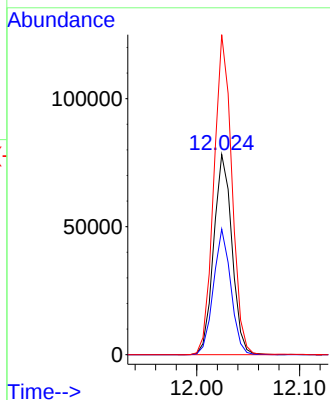
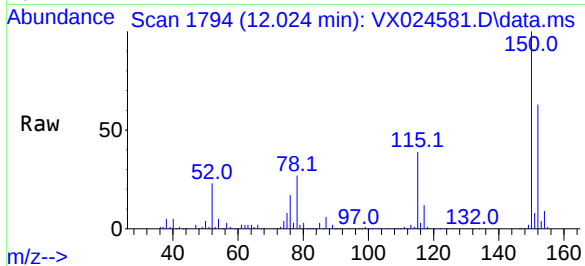




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

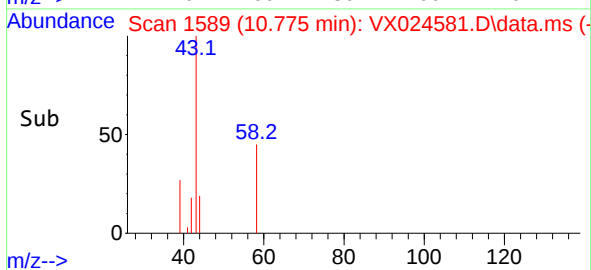
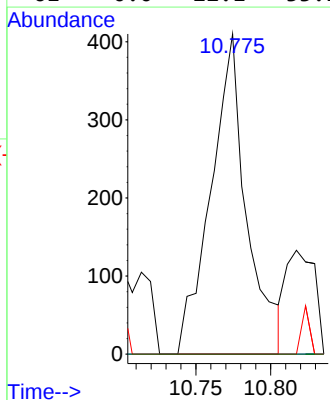
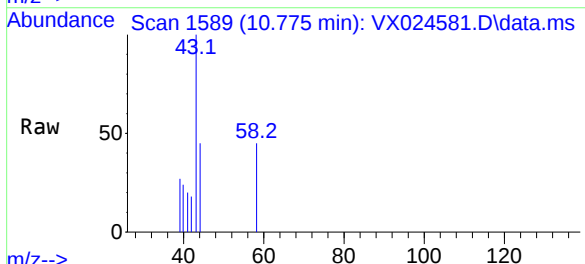
Instrument :
MSVOA_X
ClientSampleId :
149-ENV-1-COMPOSITE

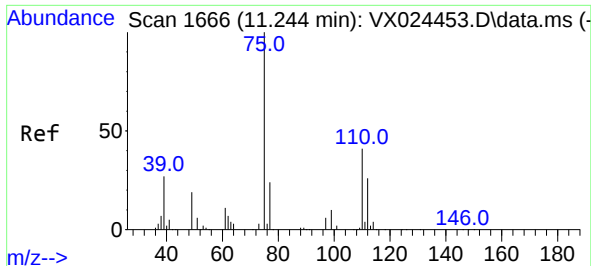
Tgt Ion:152 Resp: 96180
Ion Ratio Lower Upper
152 100
115 59.8 41.1 123.3
150 157.9 0.0 349.0



#74
N-ethyl acetate
Concen: 0.217 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

Tgt Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

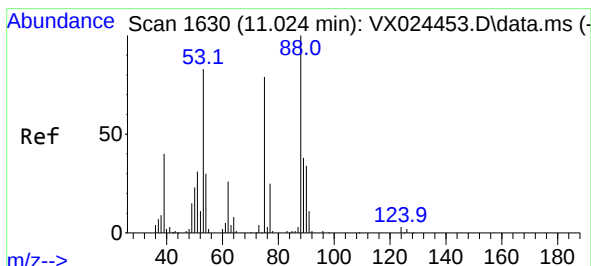
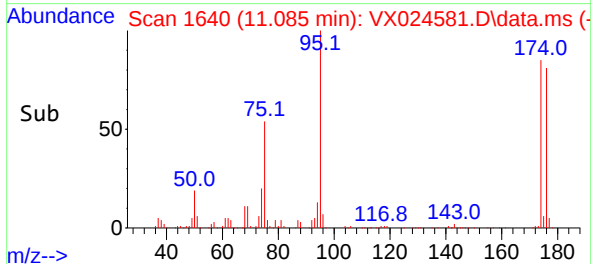
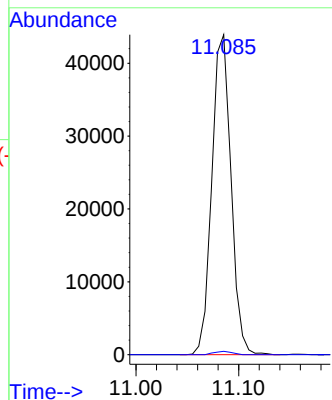
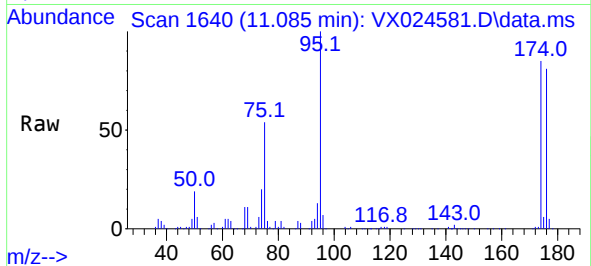




#76
1,2,3-Trichloropropane
Concen: 26.066 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

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

Tgt Ion: 75 Resp: 56932
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.997 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024581.D
Acq: 05 Oct 2021 19:10

Tgt Ion: 75 Resp: 56932
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

