

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091321\
 Data File : VX024189.D
 Acq On : 13 Sep 2021 17:11
 Operator : JC/MD
 Sample : PB139034ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB139034ZHE#01

Quant Time: Sep 14 05:24:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091321W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 13 12:27:19 2021
 Response via : Initial Calibration

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

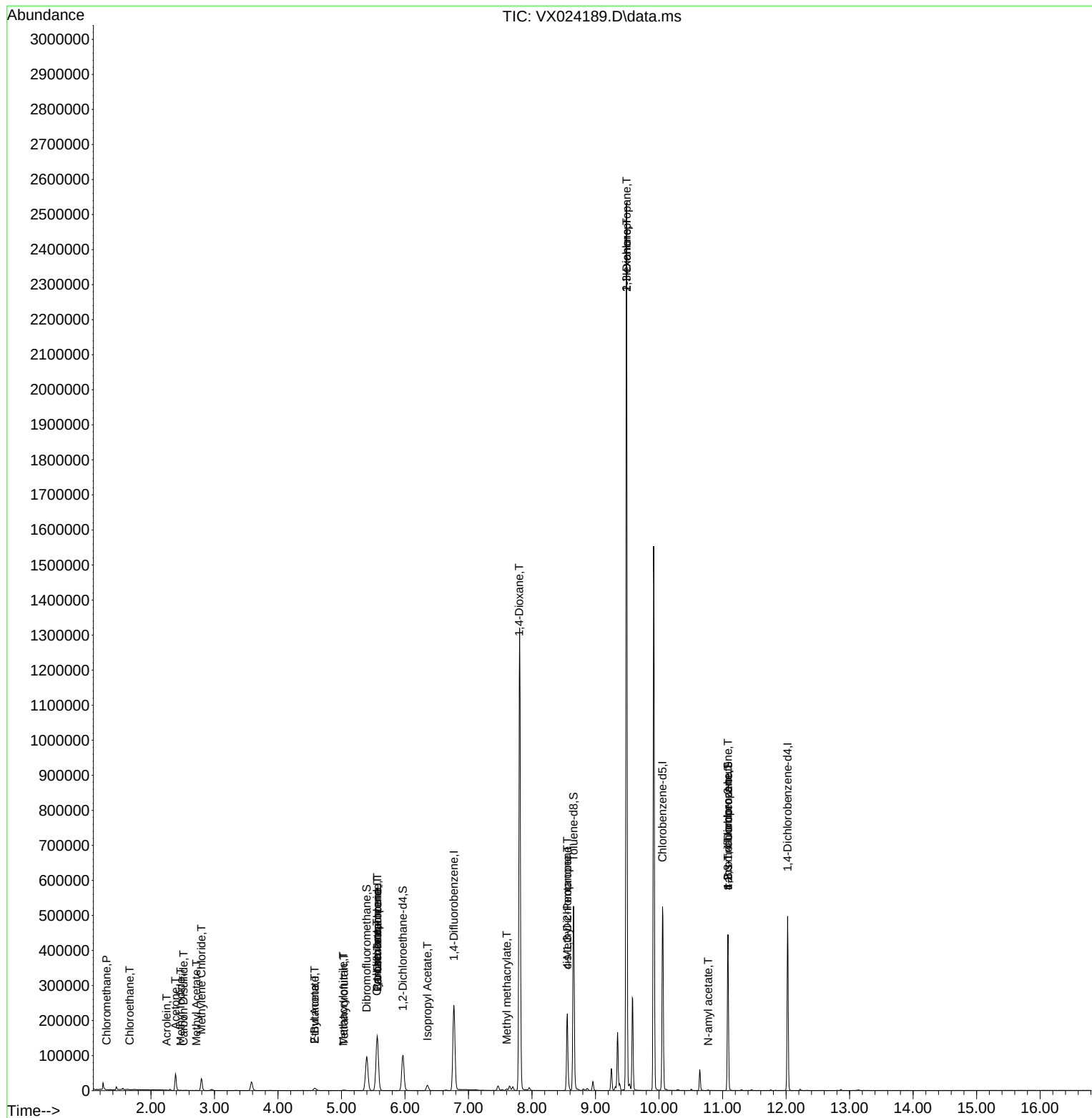
Internal Standards						
1) Pentafluorobenzene	5.562	168	142920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	241211	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103534	51.277	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.560%			
35) Dibromofluoromethane	5.397	113	80618	48.847	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.700%			
50) Toluene-d8	8.653	98	305062	50.892	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.780%			
62) 4-Bromofluorobenzene	11.085	95	112076	48.488	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.980%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	363	0.924	ug/l #	42
6) Chloroethane	1.666	64	211	0.233	ug/l #	43
10) Methyl Iodide	2.465	142	1045	0.589	ug/l #	83
11) Tert butyl alcohol	2.959	59	3012	Below Cal	#	79
13) Acrolein	2.246	56	104	0.630	ug/l #	82
16) Acetone	2.386	43	48994	54.699	ug/l	92
17) Carbon Disulfide	2.514	76	661	0.215	ug/l #	75
18) Methyl Acetate	2.715	43	1078	0.480	ug/l #	85
20) Methylene Chloride	2.794	84	15248	10.866	ug/l	93
25) 2-Butanone	4.574	43	9377	7.411	ug/l	100
29) Tetrahydrofuran	5.038	42	1470	1.846	ug/l #	82
31) Cyclohexane	5.556	56	3008	1.336	ug/l #	20
36) 1,1-Dichloropropene	5.562	75	11479	5.157	ug/l #	49
37) Ethyl Acetate	4.574	43	9377	3.698	ug/l #	65
38) Carbon Tetrachloride	5.562	117	15050	6.177	ug/l #	16
41) Methacrylonitrile	5.026	41	922	0.684	ug/l #	37
43) Isopropyl Acetate	6.355	43	20966	5.100	ug/l #	92
48) Methyl methacrylate	7.604	41	6215	3.181	ug/l #	10
49) 1,4-Dioxane	7.799	88	185	4.153	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	81125	31.256	ug/l #	46
54) cis-1,3-Dichloropropene	8.555	75	33127	12.392	ug/l #	66
57) 1,3-Dichloropropane	9.488	76	20651	7.247	ug/l #	42
59) 2-Hexanone	9.488	43	296883	146.123	ug/l #	43
74) N-amyl acetate	10.774	43	747	0.239	ug/l #	42
76) 1,2,3-Trichloropropane	11.085	75	60391	26.876	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	60391	79.344	ug/l #	12

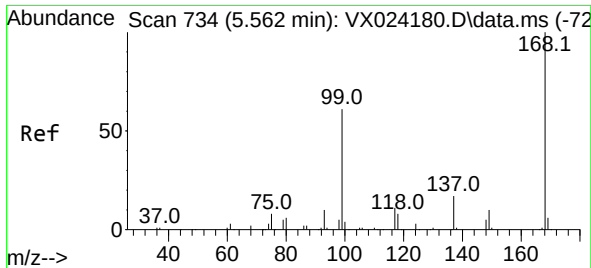
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091321W.M
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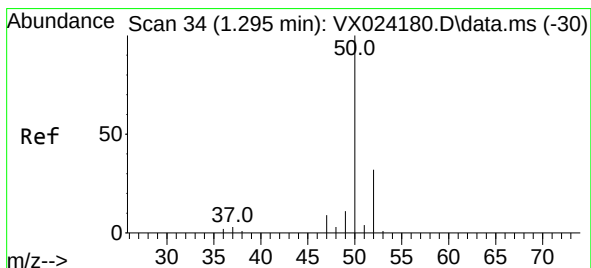
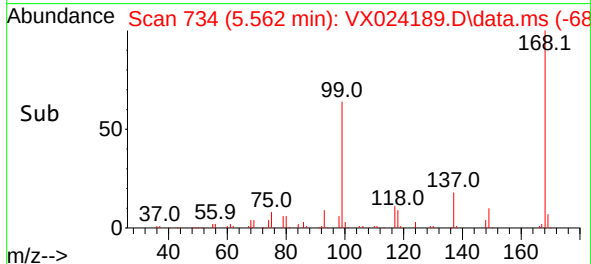
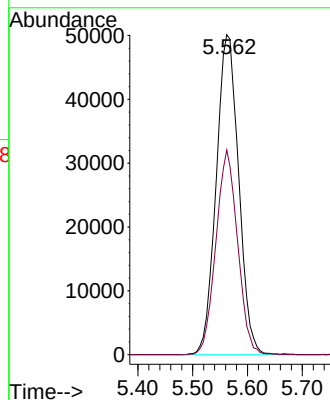
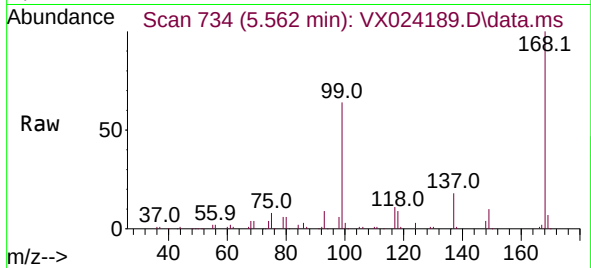




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

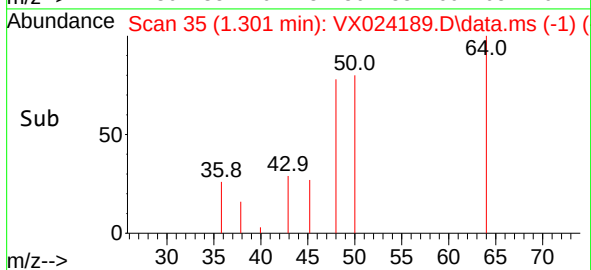
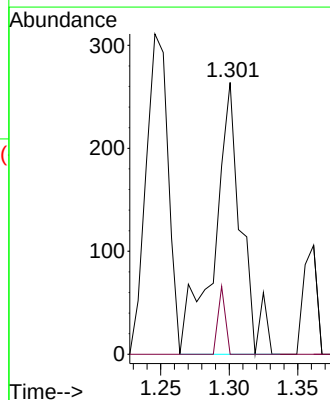
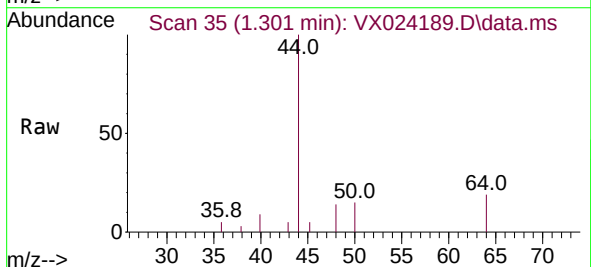
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#01

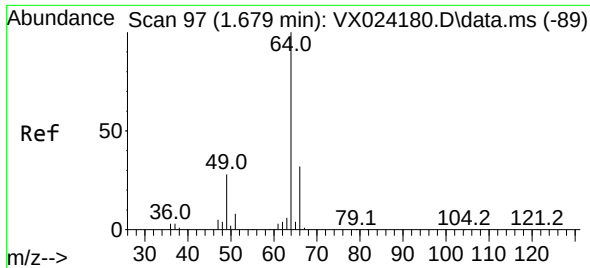
Tgt Ion:168 Resp: 142920
Ion Ratio Lower Upper
168 100
99 64.0 45.8 68.6



#3
Chloromethane
Concen: 0.924 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

Tgt Ion: 50 Resp: 363
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

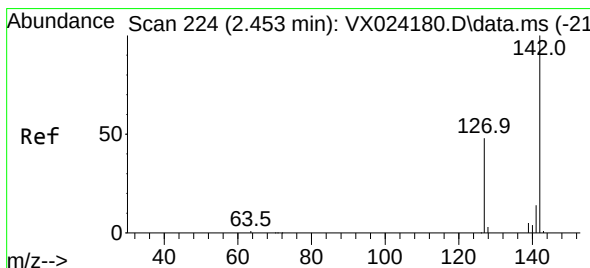
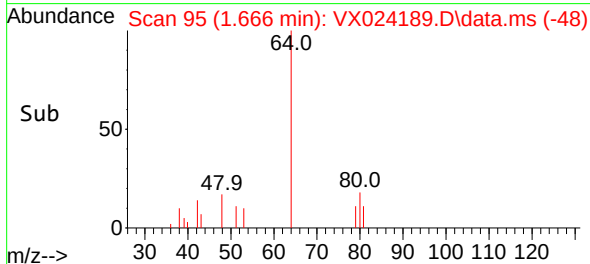
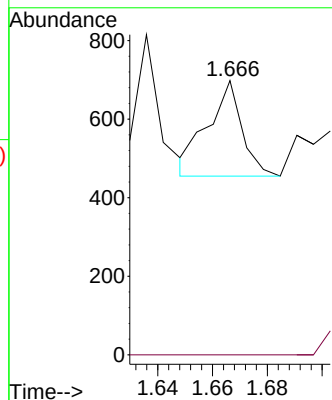
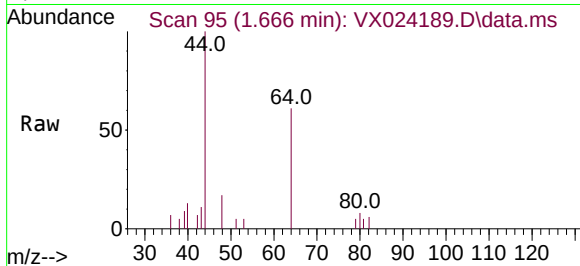




#6
Chloroethane
Concen: 0.233 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

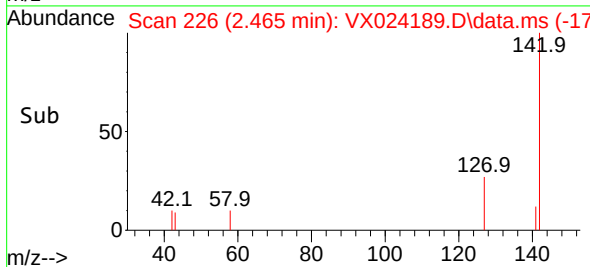
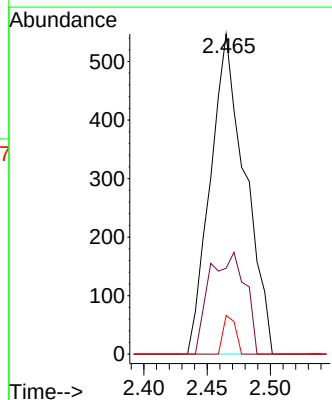
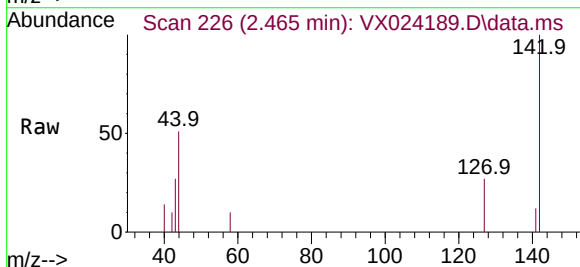
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#01

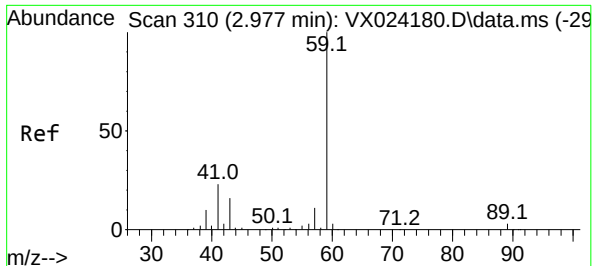
Tgt Ion: 64 Resp: 211
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.589 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

Tgt Ion: 142 Resp: 1045
Ion Ratio Lower Upper
142 100
127 32.6 33.3 49.9#
141 4.3 11.4 17.0#

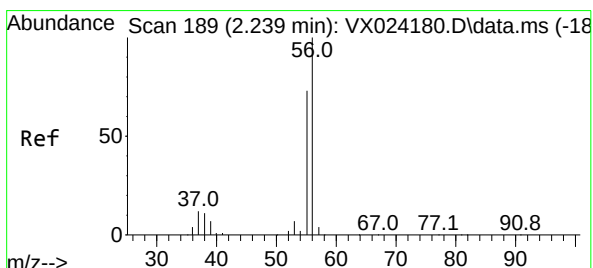
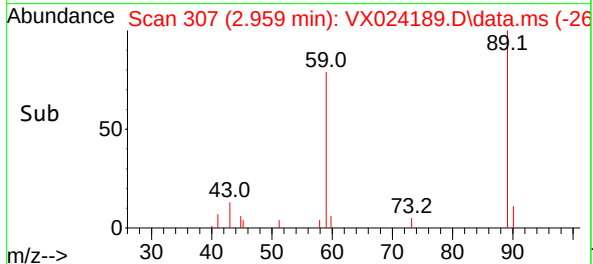
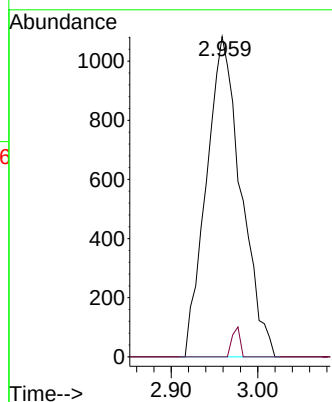
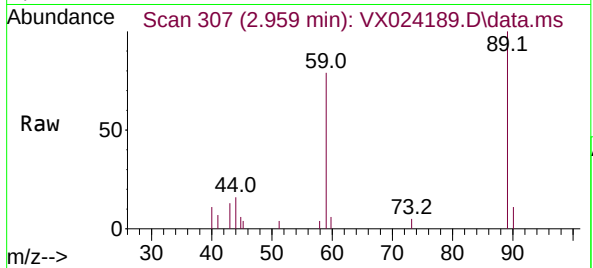




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

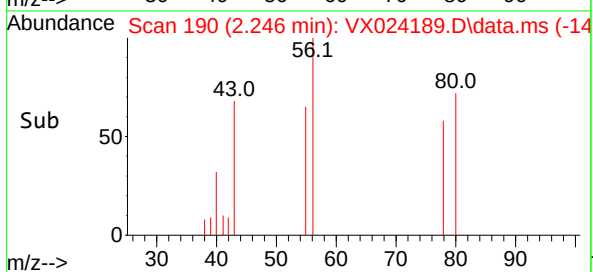
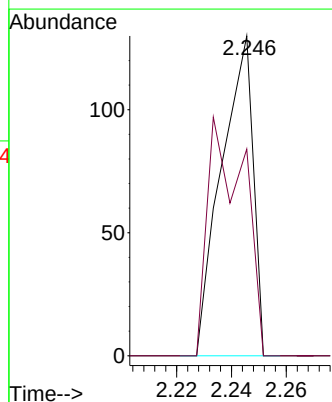
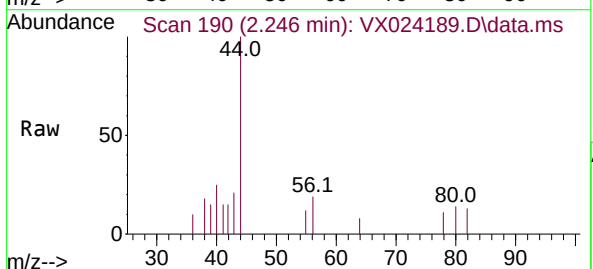
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#01

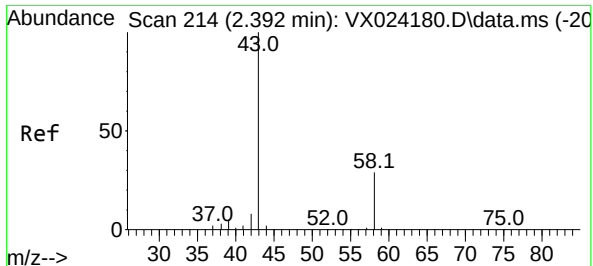
Tgt Ion: 59 Resp: 3012
Ion Ratio Lower Upper
59 100
57 2.1 7.8 11.8#



#13
Acrolein
Concen: 0.630 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.007 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

Tgt Ion: 56 Resp: 104
Ion Ratio Lower Upper
56 100
55 85.6 56.4 84.6#

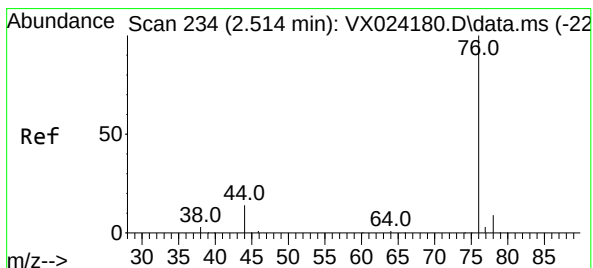
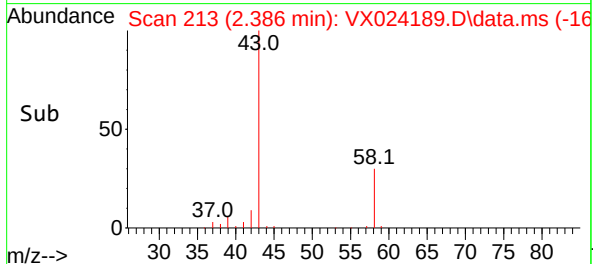
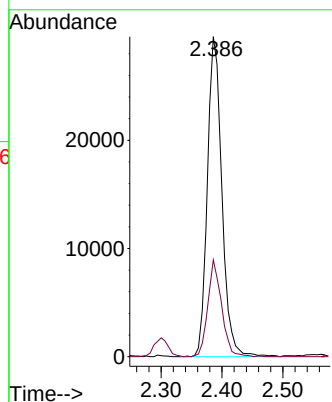
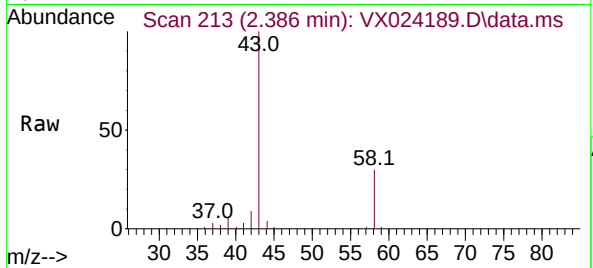




#16
Acetone
Concen: 54.699 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

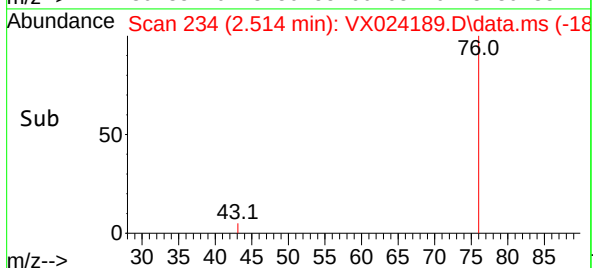
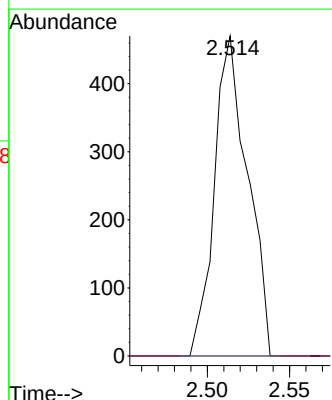
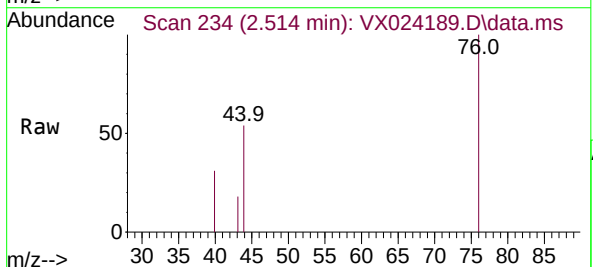
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#01

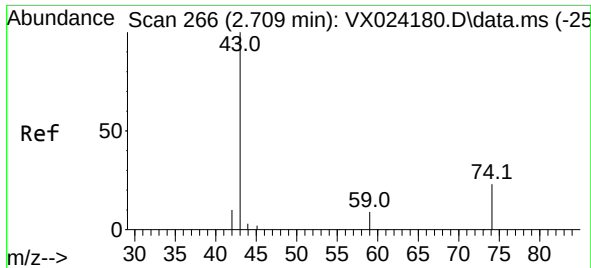
Tgt Ion: 43 Resp: 48994
Ion Ratio Lower Upper
43 100
58 30.2 27.8 41.8



#17
Carbon Disulfide
Concen: 0.215 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

Tgt Ion: 76 Resp: 661
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

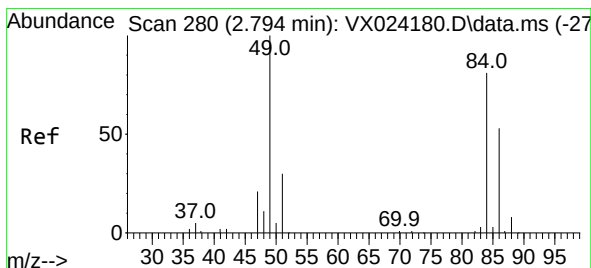
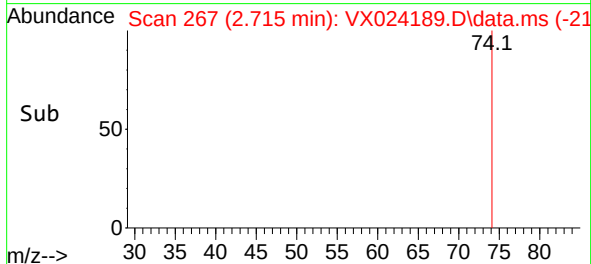
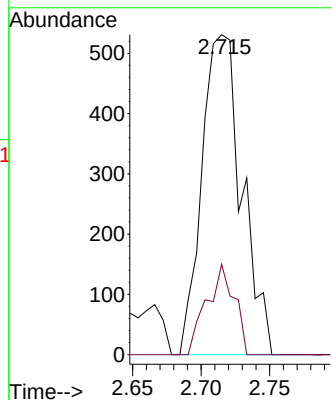
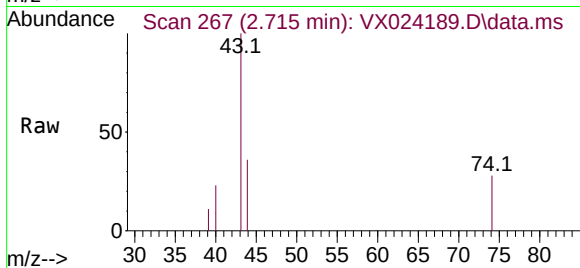




#18
Methyl Acetate
Concen: 0.480 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

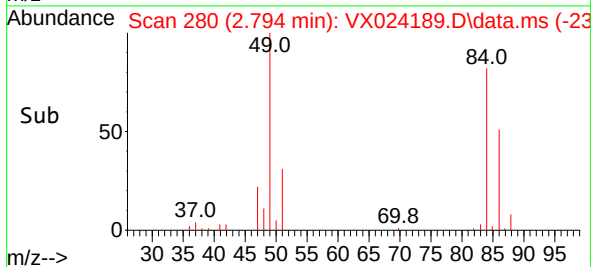
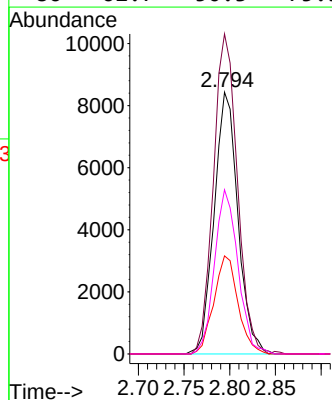
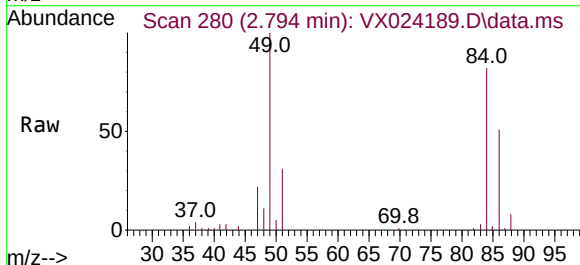
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ClientSampleId :
PB139034ZHE#01

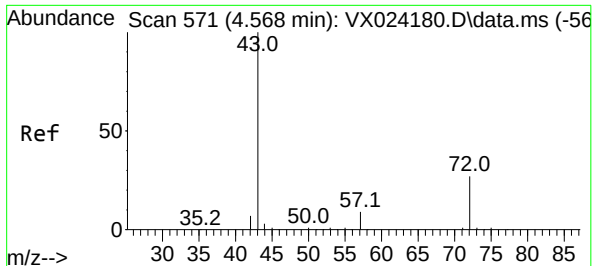
Tgt Ion: 43 Resp: 1078
Ion Ratio Lower Upper
43 100
74 19.4 21.9 32.9#



#20
Methylene Chloride
Concen: 10.866 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

Tgt Ion: 84 Resp: 15248
Ion Ratio Lower Upper
84 100
49 122.3 88.6 132.8
51 37.4 27.0 40.6
86 62.7 50.3 75.5





#25

2-Butanone

Concen: 7.411 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX024189.D

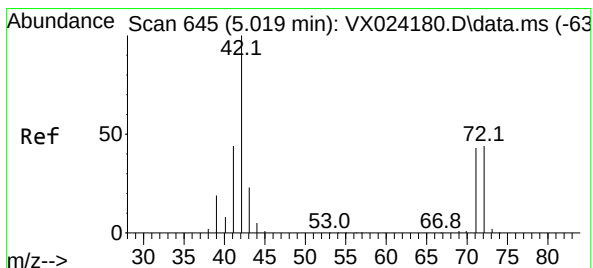
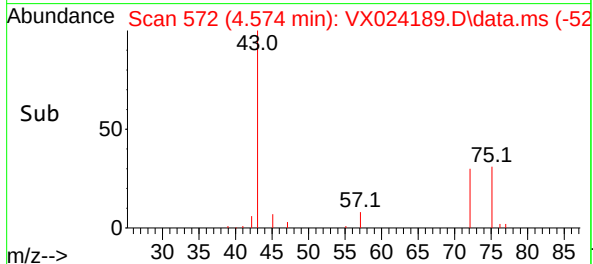
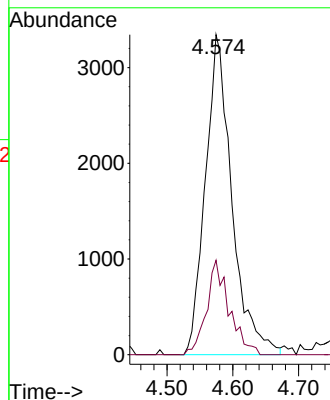
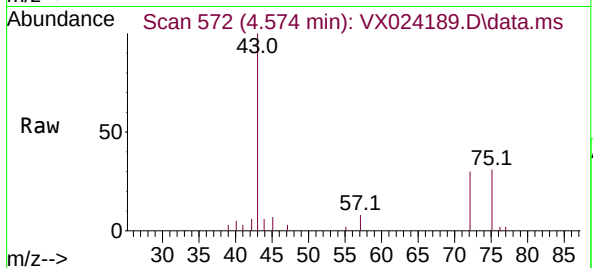
Acq: 13 Sep 2021 17:11

Tgt Ion: 43 Resp: 9377

Ion Ratio Lower Upper

43 100

72 29.5 23.7 35.5



#29

Tetrahydrofuran

Concen: 1.846 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX024189.D

Acq: 13 Sep 2021 17:11

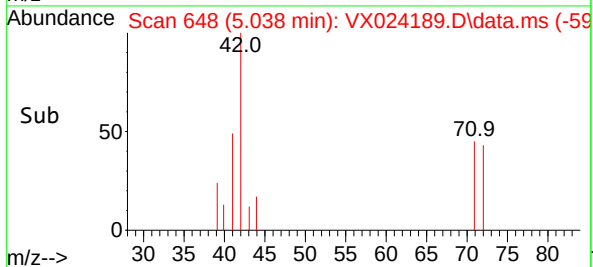
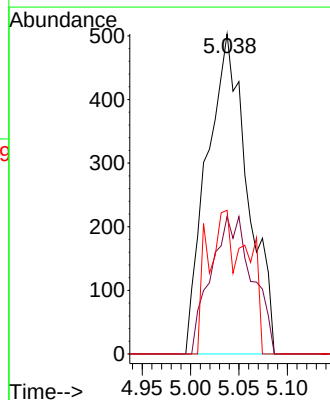
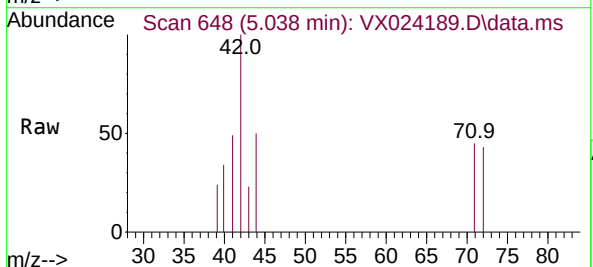
Tgt Ion: 42 Resp: 1470

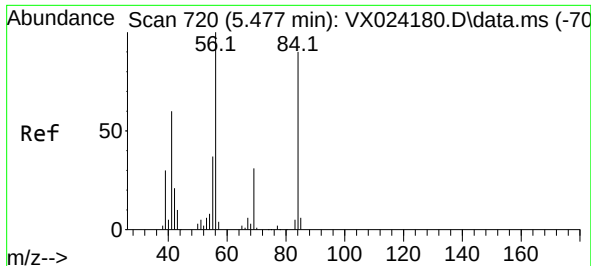
Ion Ratio Lower Upper

42 100

72 43.9 41.7 62.5

71 30.5 38.4 57.6#

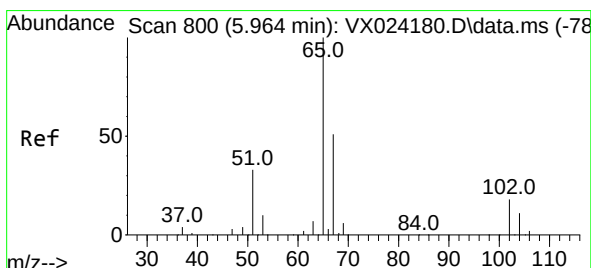
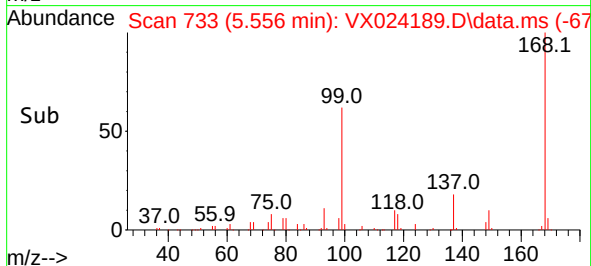
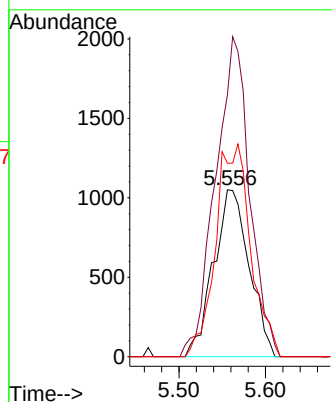
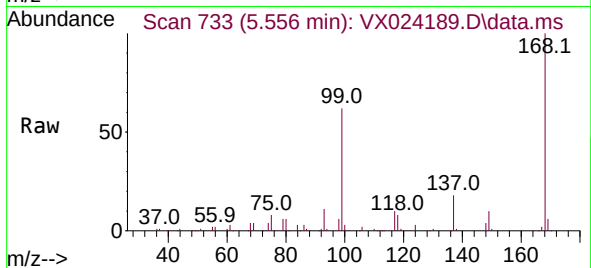




#31
Cyclohexane
Concen: 1.336 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

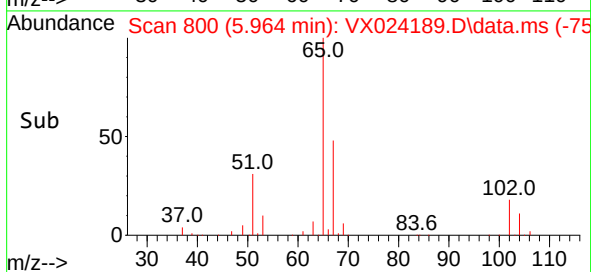
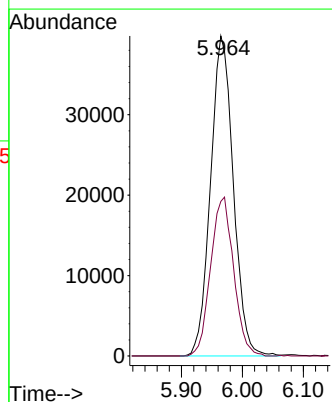
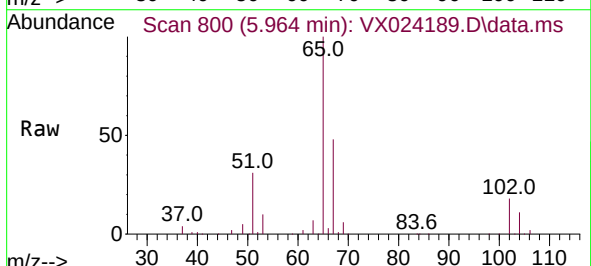
Instrument :
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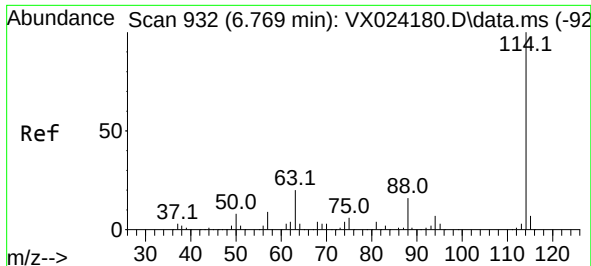
Tgt Ion: 56 Resp: 3008
Ion Ratio Lower Upper
56 100
69 156.7 25.3 37.9#
84 115.9 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.277 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

Tgt Ion: 65 Resp: 103534
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.4

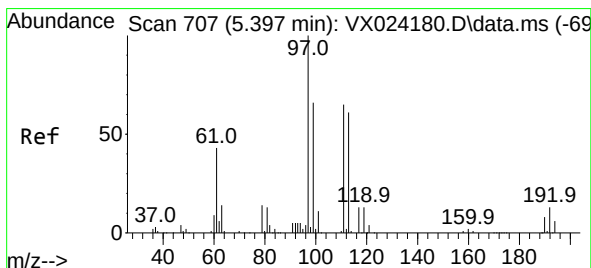
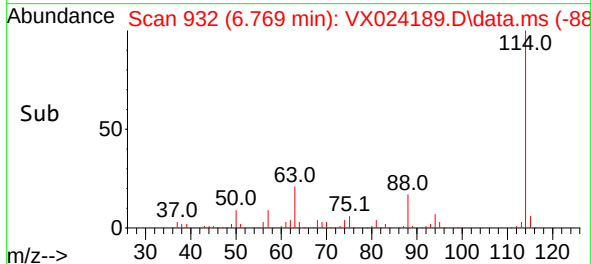
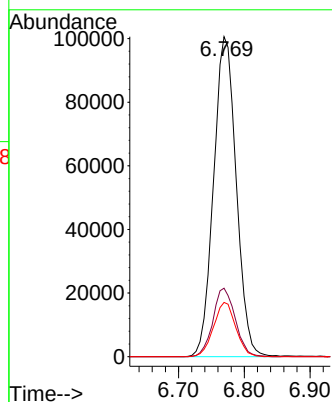
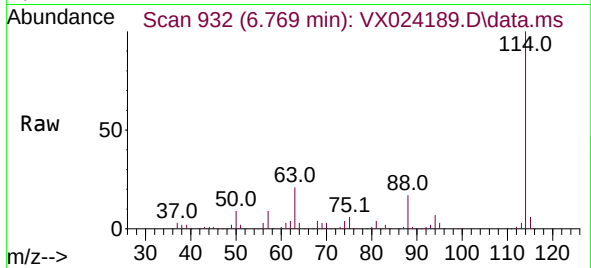




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

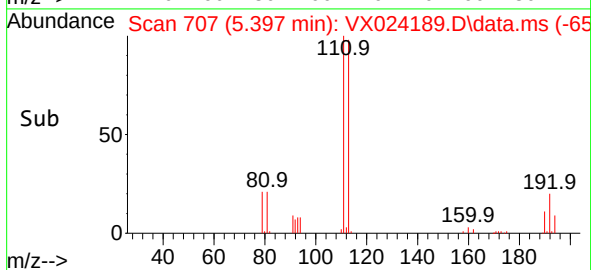
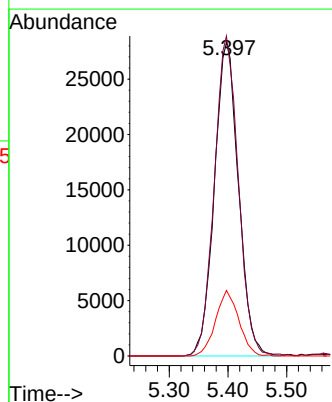
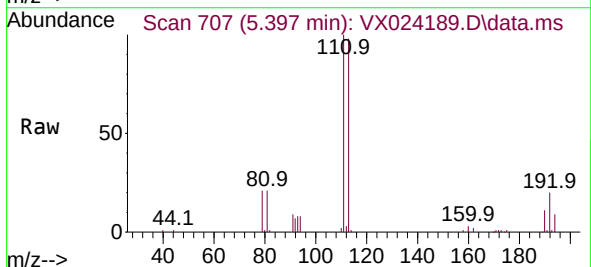
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#01

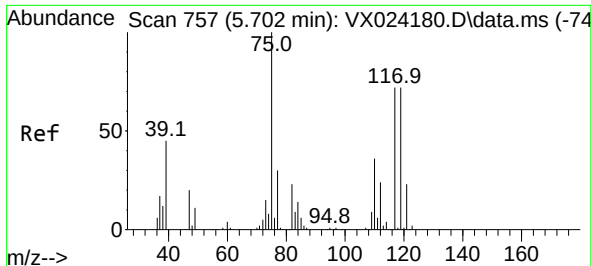
Tgt Ion:114 Resp: 241211
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.847 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

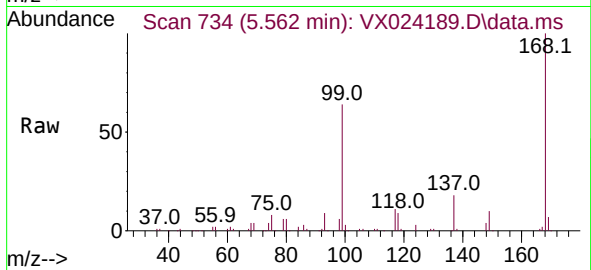
Tgt Ion:113 Resp: 80618
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 20.1 16.7 25.1



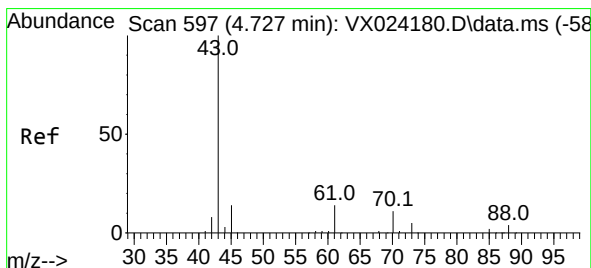
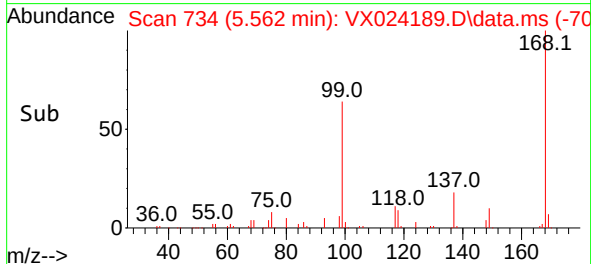
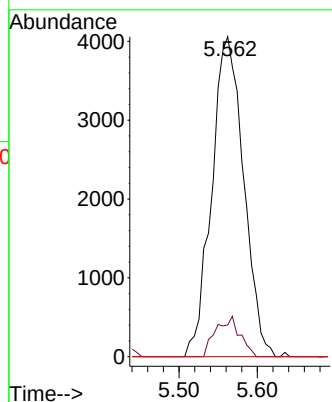


#36
1,1-Dichloropropene
Concen: 5.157 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#01

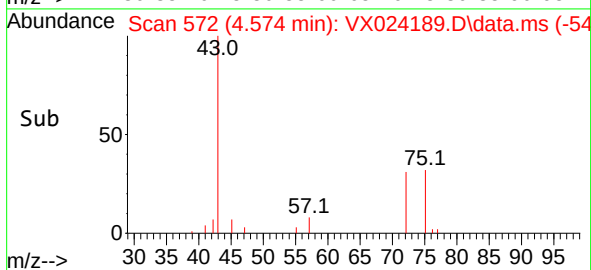
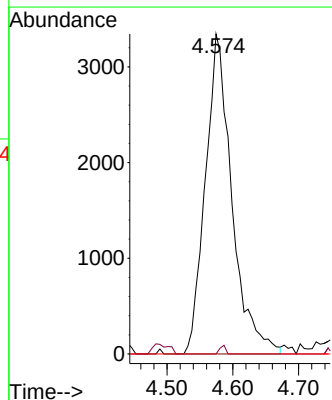
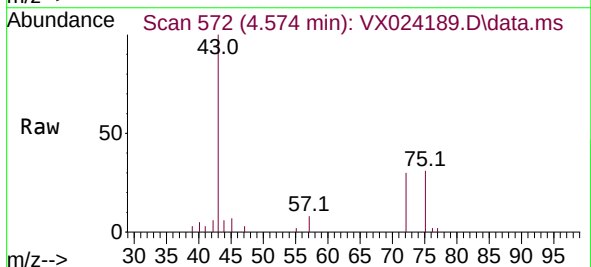


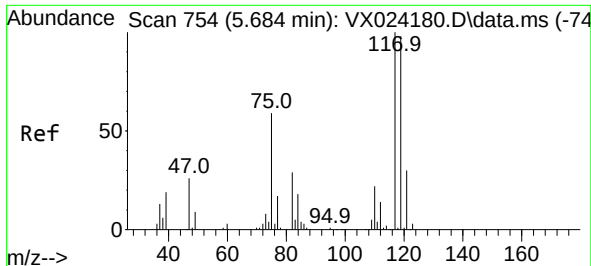
Tgt Ion: 75 Resp: 11479
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 3.698 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.153 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

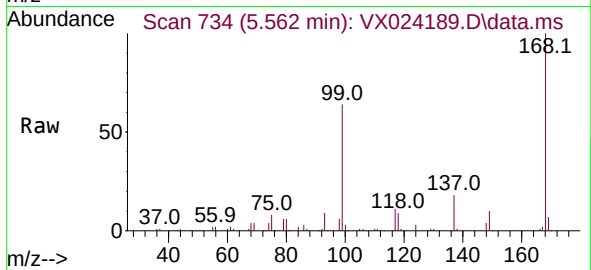
Tgt Ion: 43 Resp: 9377
Ion Ratio Lower Upper
43 100
61 0.6 12.8 19.2#
70 0.0 10.5 15.7#



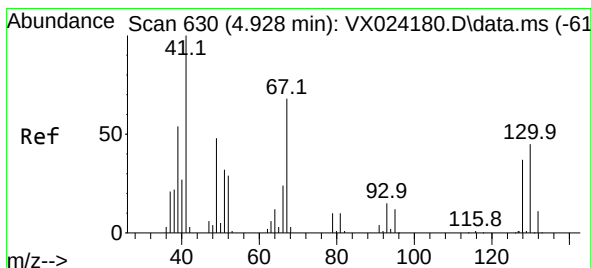
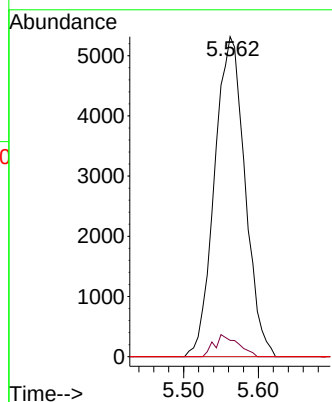
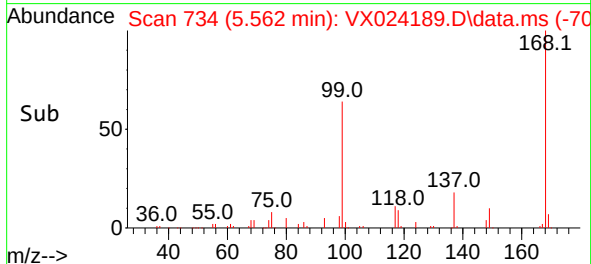


#38
Carbon Tetrachloride
Concen: 6.177 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

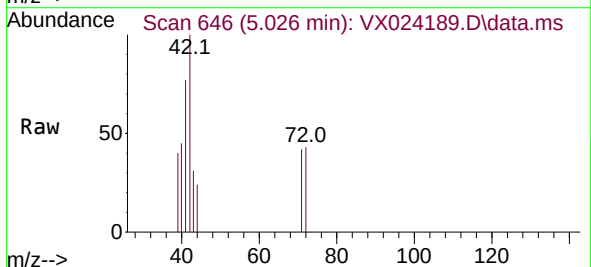
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#01



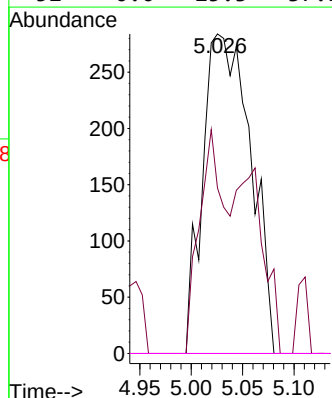
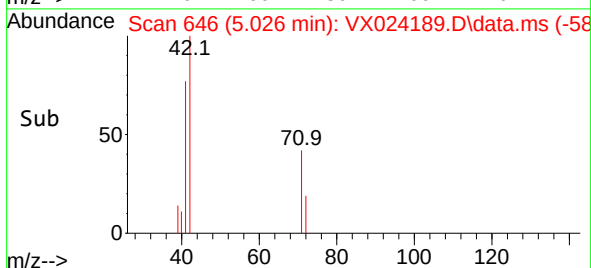
Tgt Ion: 117 Resp: 15050
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#

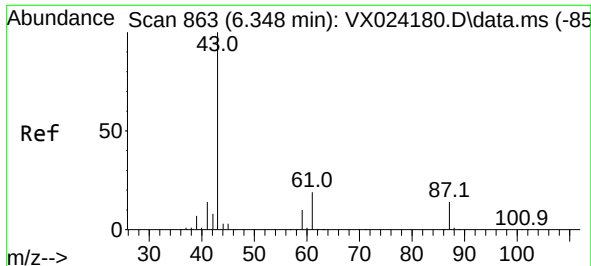


#41
Methacrylonitrile
Concen: 0.684 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.098 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11



Tgt Ion: 41 Resp: 922
Ion Ratio Lower Upper
41 100
39 37.5 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

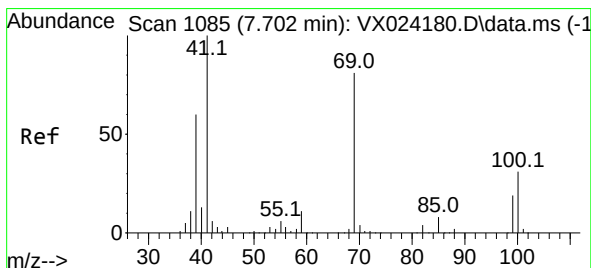
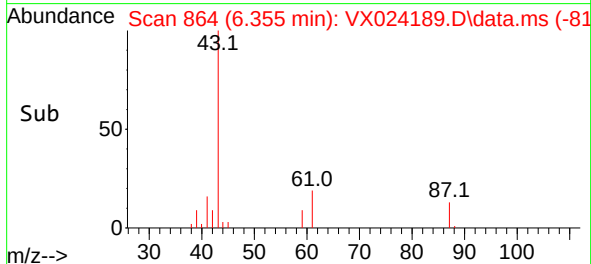
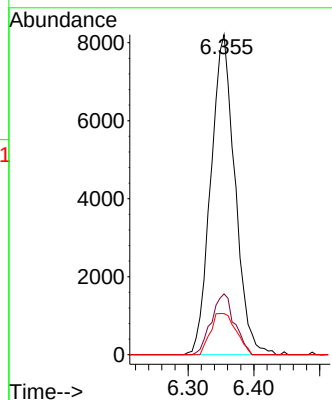
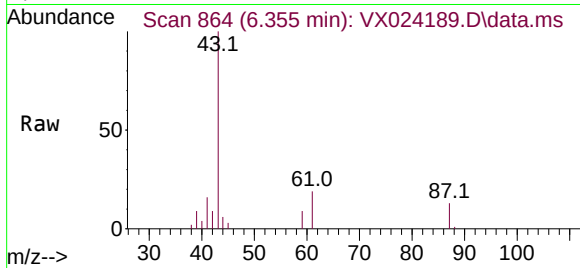




#43
Isopropyl Acetate
Concen: 5.100 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

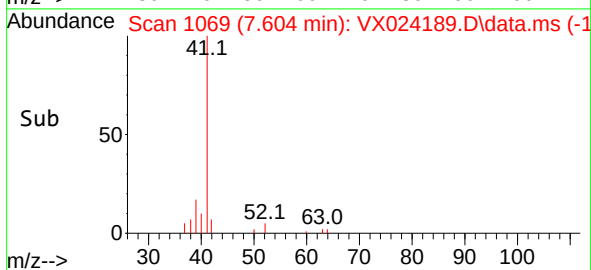
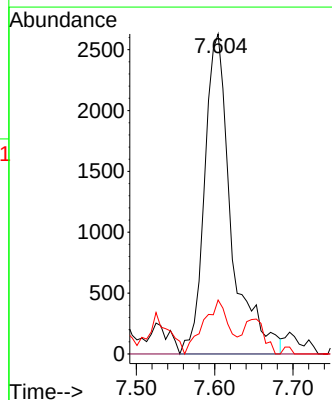
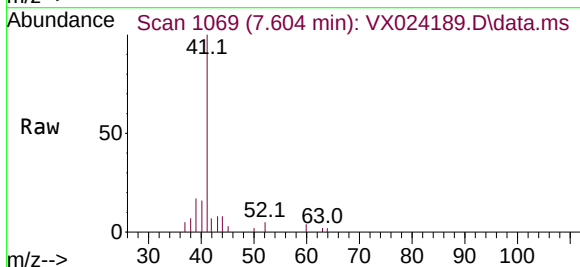
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#01

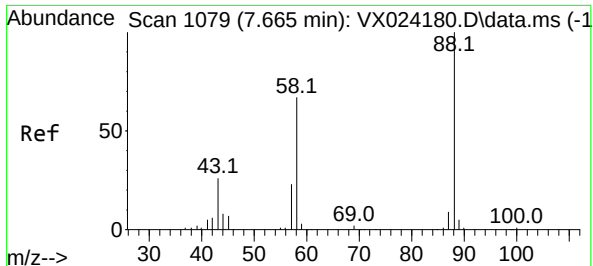
Tgt Ion:	43	Resp:	20966
Ion Ratio	Lower	Upper	
43	100		
61	18.2	18.2	27.4#
87	13.6	12.5	18.7



#48
Methyl methacrylate
Concen: 3.181 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

Tgt Ion:	41	Resp:	6215
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: 4.153 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX024189.D

Acq: 13 Sep 2021 17:11

Tgt Ion: 88 Resp: 185

Ion Ratio Lower Upper

88 100

43 634827.0 23.2 34.8#

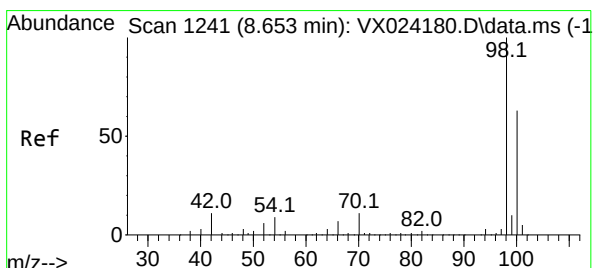
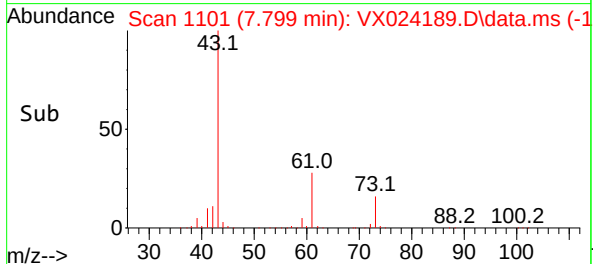
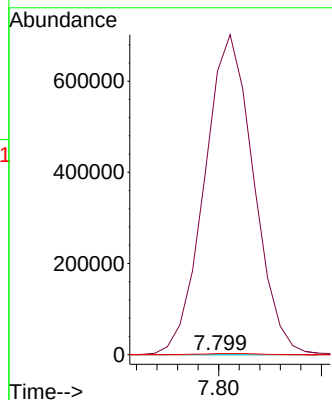
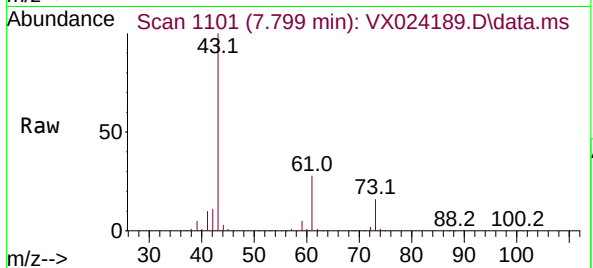
58 2658.9 55.0 82.4#

Instrument :

MSVOA_X

ClientSampleId :

PB139034ZHE#01



#50

Toluene-d8

Concen: 50.892 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024189.D

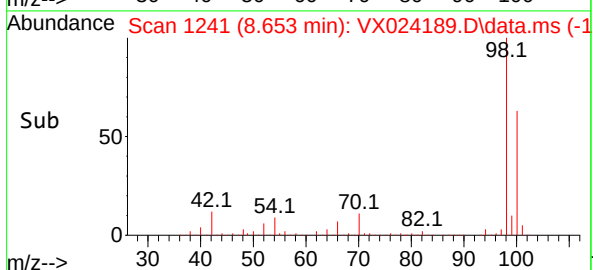
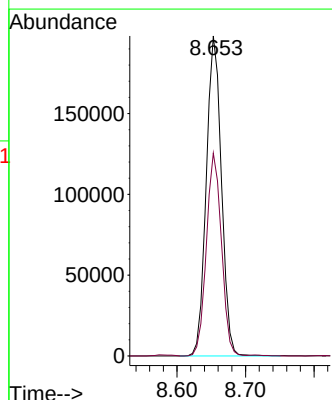
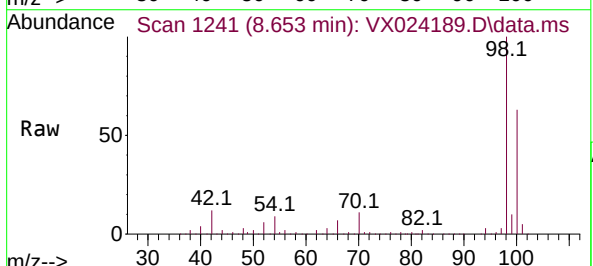
Acq: 13 Sep 2021 17:11

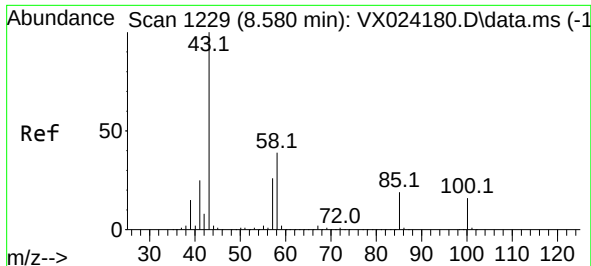
Tgt Ion: 98 Resp: 305062

Ion Ratio Lower Upper

98 100

100 63.0 51.9 77.9

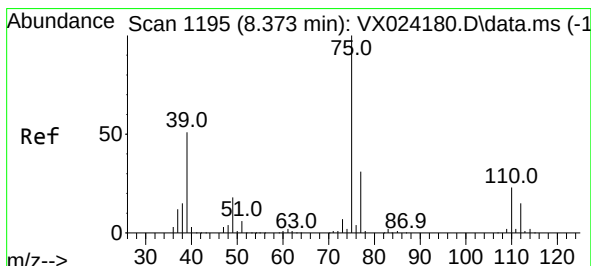
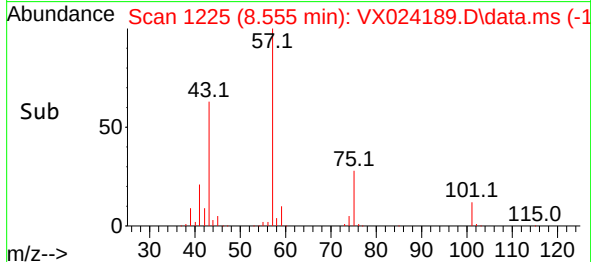
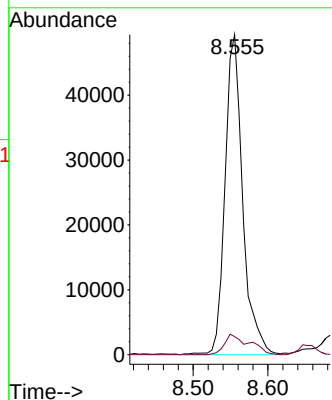
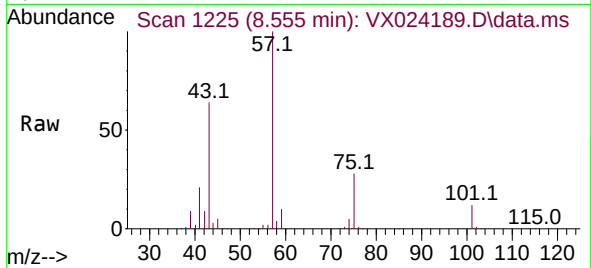




#51
4-Methyl-2-Pentanone
Concen: 31.256 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

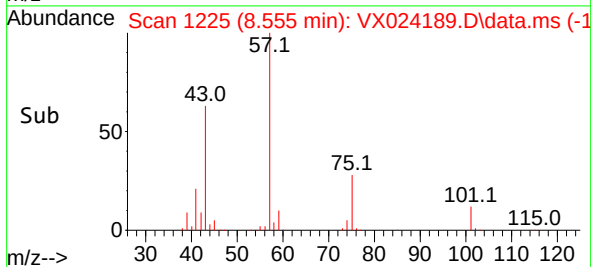
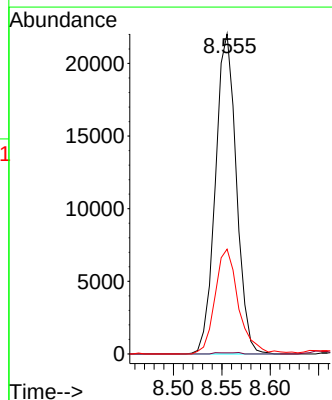
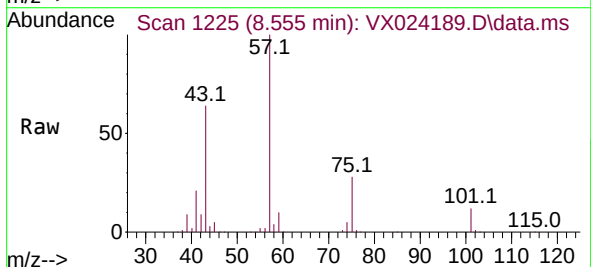
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#01

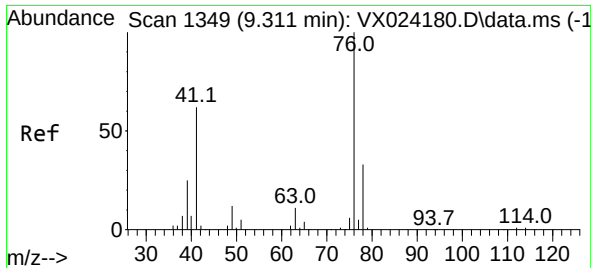
Tgt Ion: 43 Resp: 81125
Ion Ratio Lower Upper
43 100
58 9.0 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 12.392 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

Tgt Ion: 75 Resp: 33127
Ion Ratio Lower Upper
75 100
77 0.3 25.7 38.5#
39 32.7 35.1 52.7#



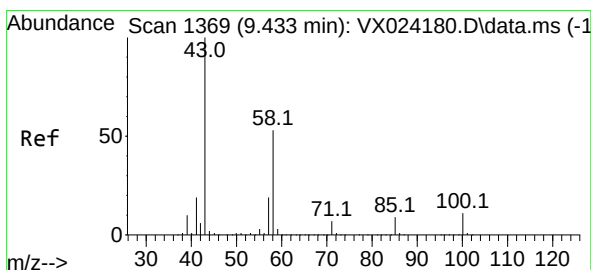
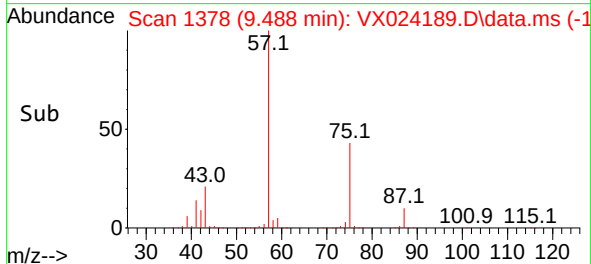
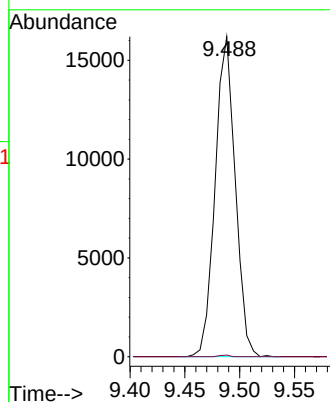
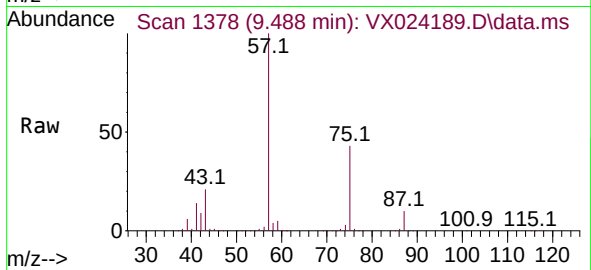


#57

1,3-Dichloropropane
Concen: 7.247 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#01

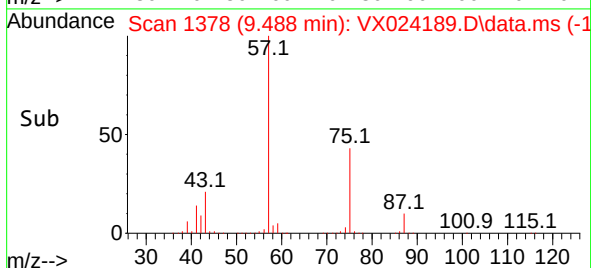
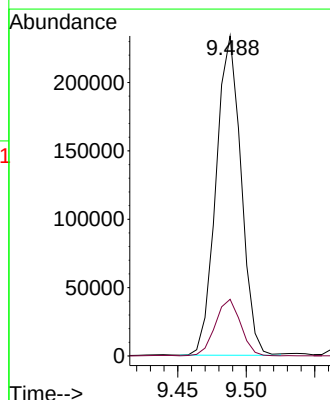
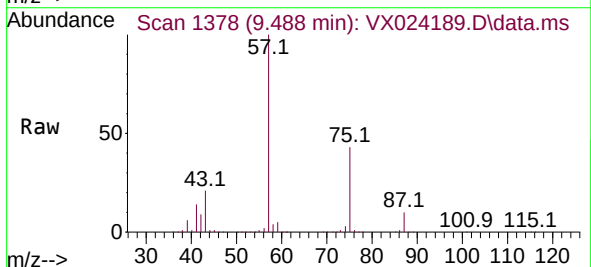
Tgt Ion: 76 Resp: 20651
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#

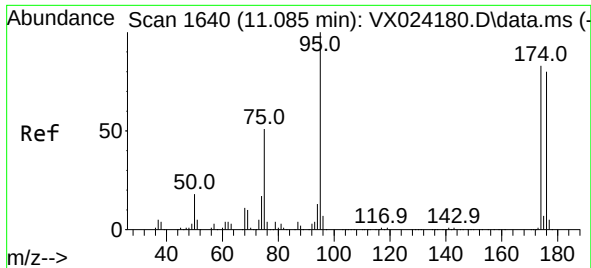


#59

2-Hexanone
Concen: 146.123 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

Tgt Ion: 43 Resp: 296883
Ion Ratio Lower Upper
43 100
58 18.0 30.9 92.8#

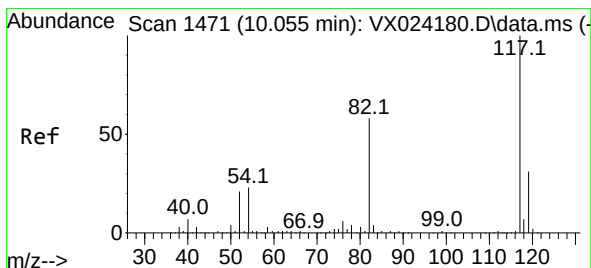
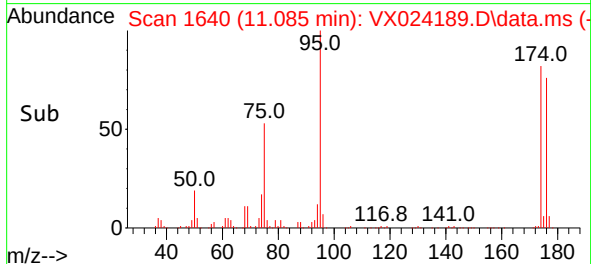
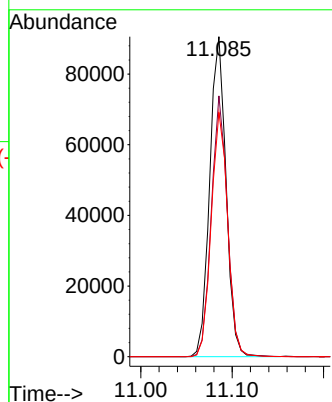
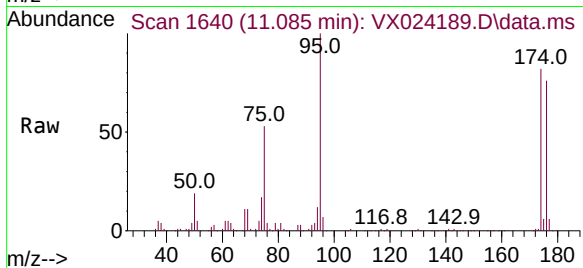




#62
4-Bromofluorobenzene
Concen: 48.488 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

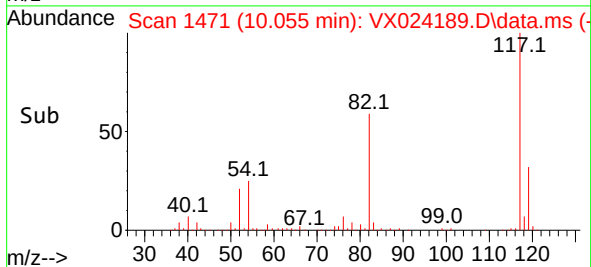
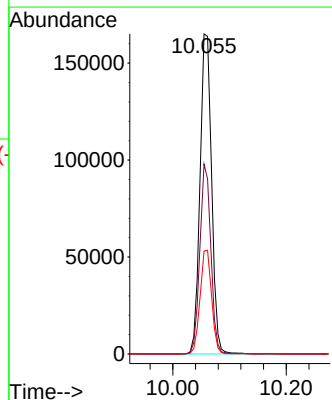
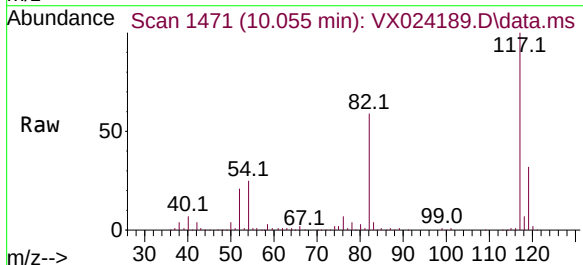
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#01

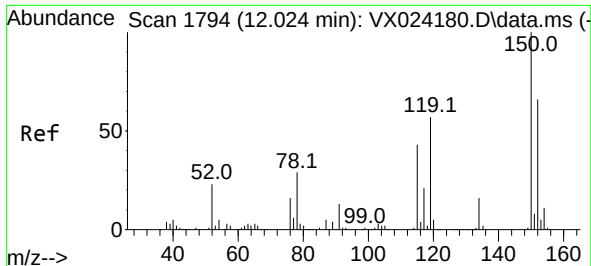
Tgt Ion: 95 Resp: 112076
Ion Ratio Lower Upper
95 100
174 80.3 0.0 154.6
176 77.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

Tgt Ion: 117 Resp: 233678
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.2
119 32.1 26.6 39.8

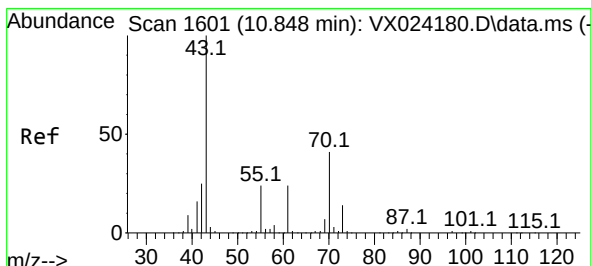
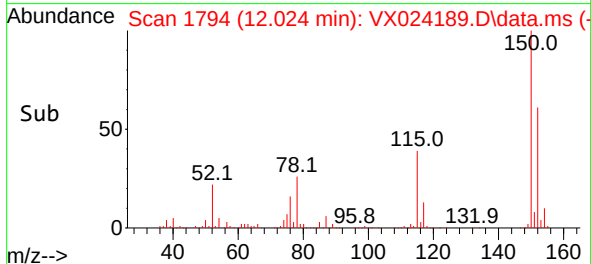
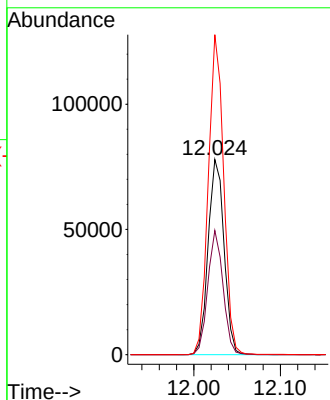
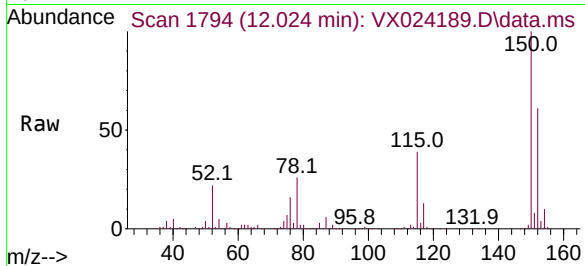




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024189.D
 Acq: 13 Sep 2021 17:11

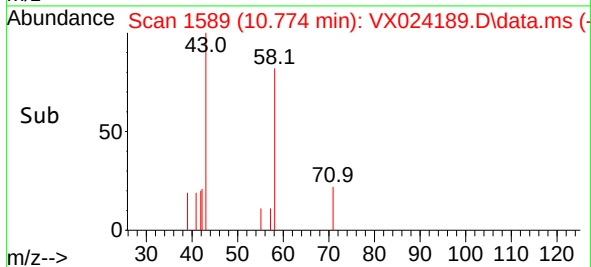
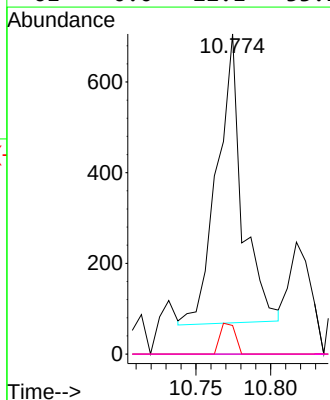
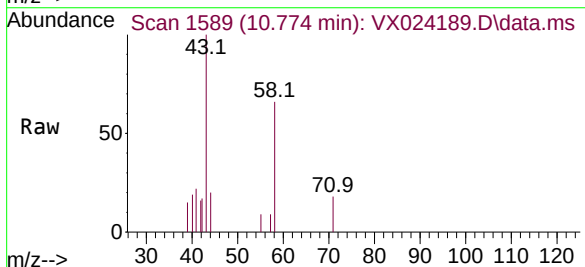
Instrument :
 MSVOA_X
 ClientSampleId :
 PB139034ZHE#01

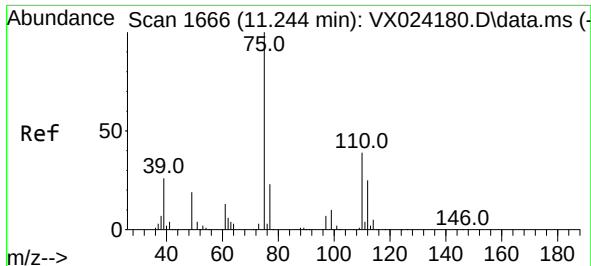
Tgt Ion:152 Resp: 99675
 Ion Ratio Lower Upper
 152 100
 115 60.8 41.1 123.3
 150 158.1 0.0 349.0



#74
 N-ethyl acetate
 Concen: 0.239 ug/l
 RT: 10.774 min Scan# 1589
 Delta R.T. -0.074 min
 Lab File: VX024189.D
 Acq: 13 Sep 2021 17:11

Tgt Ion: 43 Resp: 747
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.6#
 55 6.4 21.5 32.3#
 61 0.0 22.1 33.1#

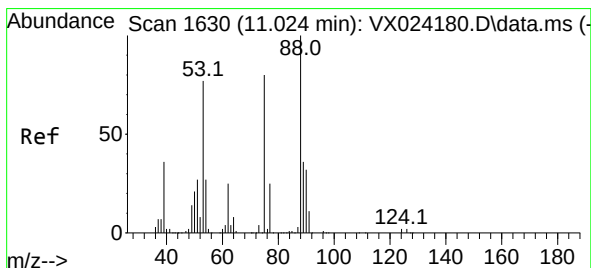
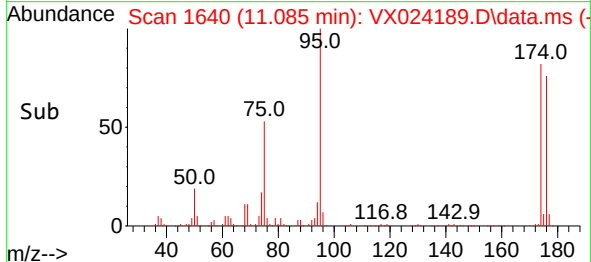
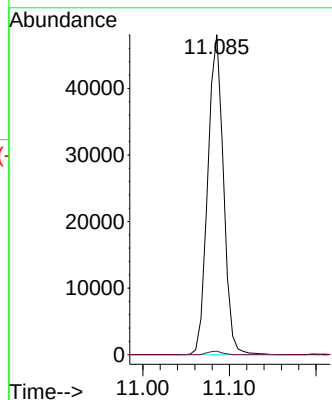
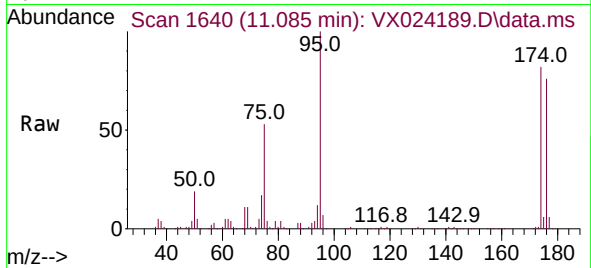




#76
1,2,3-Trichloropropane
Concen: 26.876 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#01

Tgt Ion: 75 Resp: 60391
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.344 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024189.D
Acq: 13 Sep 2021 17:11

Tgt Ion: 75 Resp: 60391
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

