

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091321\
 Data File : VX024190.D
 Acq On : 13 Sep 2021 17:35
 Operator : JC/MD
 Sample : PB139034ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB139034ZHE#02

Quant Time: Sep 14 05:25:12 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)

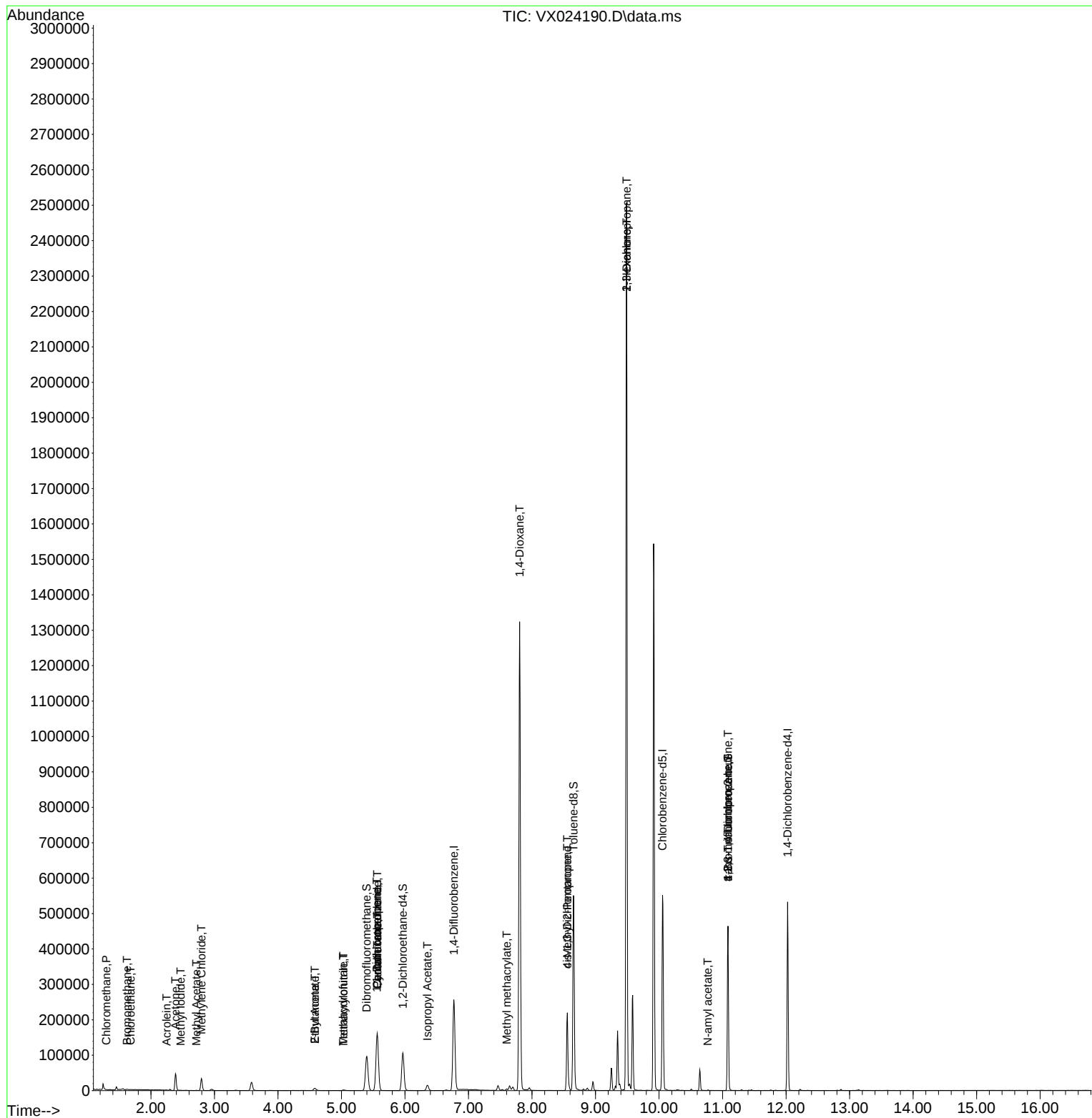
Internal Standards						
1) Pentafluorobenzene	5.562	168	147848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	255710	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	108308	51.853	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.700%			
35) Dibromofluoromethane	5.397	113	83526	47.739	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.480%			
50) Toluene-d8	8.653	98	318862	50.178	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.360%			
62) 4-Bromofluorobenzene	11.085	95	118561	48.385	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.760%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	202	0.796	ug/l #	42
5) Bromomethane	1.624	94	478	0.587	ug/l	93
6) Chloroethane	1.679	64	235	0.251	ug/l	99
10) Methyl Iodide	2.465	142	895	0.487	ug/l #	89
11) Tert butyl alcohol	2.959	59	2877	Below Cal	#	81
13) Acrolein	2.246	56	148	0.867	ug/l #	67
16) Acetone	2.386	43	49839	53.626	ug/l	90
18) Methyl Acetate	2.715	43	1049	0.452	ug/l #	72
20) Methylene Chloride	2.794	84	15078	10.424	ug/l	93
25) 2-Butanone	4.580	43	8979	6.860	ug/l	96
29) Tetrahydrofuran	5.026	42	1029	1.249	ug/l	92
31) Cyclohexane	5.562	56	3480	1.495	ug/l #	17
36) 1,1-Dichloropropene	5.556	75	11679	4.949	ug/l #	49
37) Ethyl Acetate	4.580	43	8979	3.340	ug/l #	64
38) Carbon Tetrachloride	5.562	117	15920	6.164	ug/l #	17
41) Methacrylonitrile	5.032	41	972	0.680	ug/l #	33
43) Isopropyl Acetate	6.355	43	21296	4.887	ug/l	92
48) Methyl methacrylate	7.604	41	5297	2.557	ug/l #	10
49) 1,4-Dioxane	7.806	88	196	4.151	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	78048	28.366	ug/l #	46
54) cis-1,3-Dichloropropene	8.555	75	33110	11.684	ug/l #	68
57) 1,3-Dichloropropane	9.488	76	20546	6.801	ug/l #	42
59) 2-Hexanone	9.488	43	296652	137.730	ug/l #	44
74) N-amyl acetate	10.768	43	990	0.298	ug/l #	44
76) 1,2,3-Trichloropropane	11.085	75	64370	26.945	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	64370	79.547	ug/l #	12

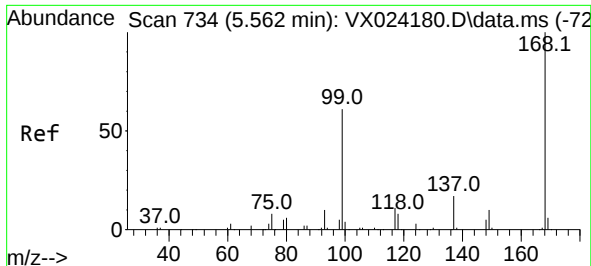
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091321W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 13 12:27:19 2021
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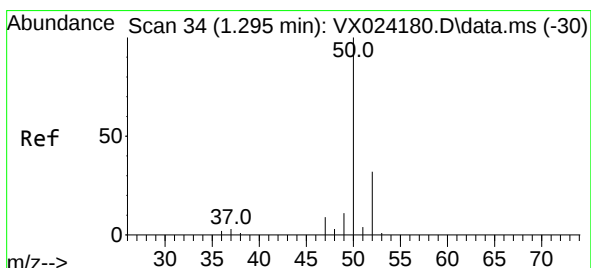
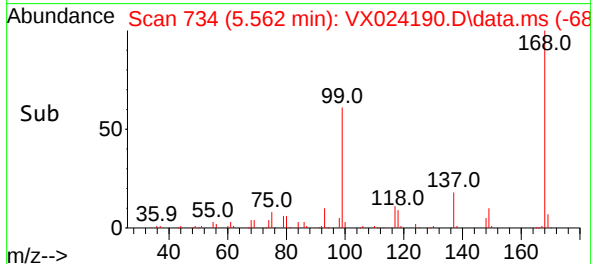
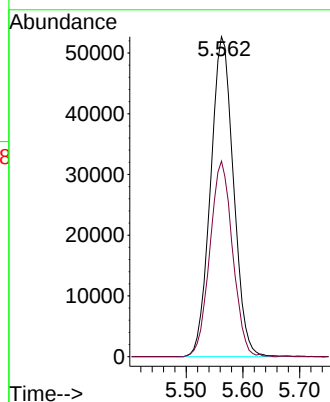
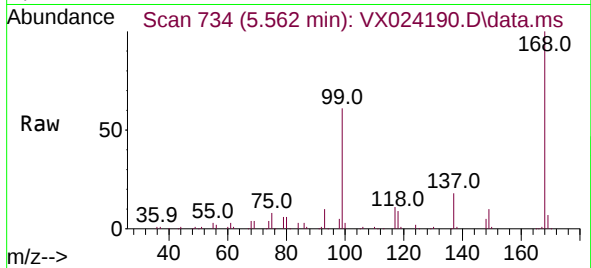




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

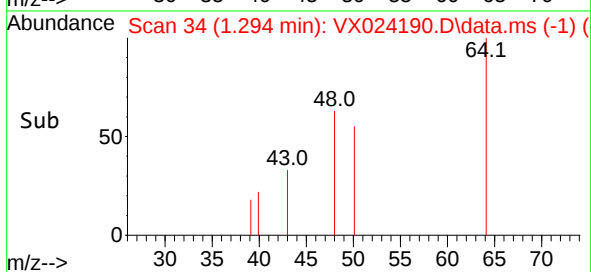
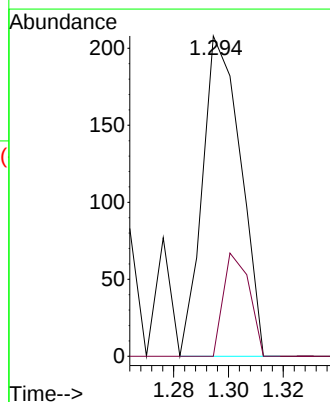
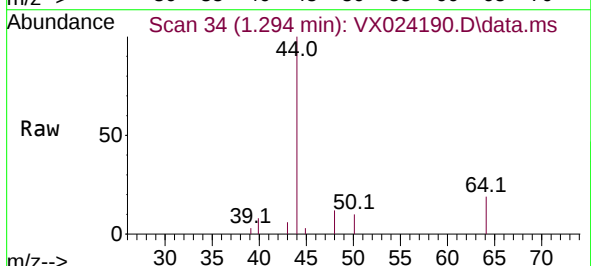
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#02

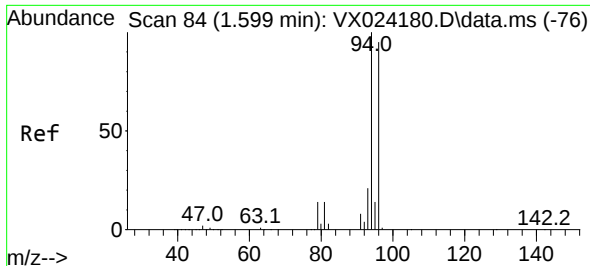
Tgt Ion:168 Resp: 147848
Ion Ratio Lower Upper
168 100
99 61.1 45.8 68.6



#3
Chloromethane
Concen: 0.796 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Tgt Ion: 50 Resp: 202
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

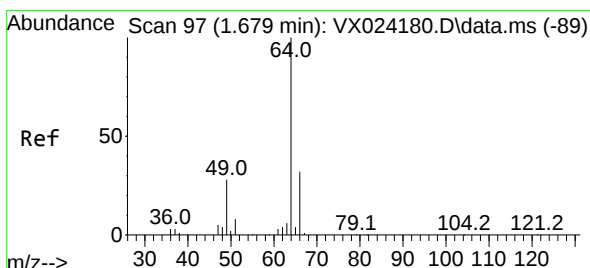
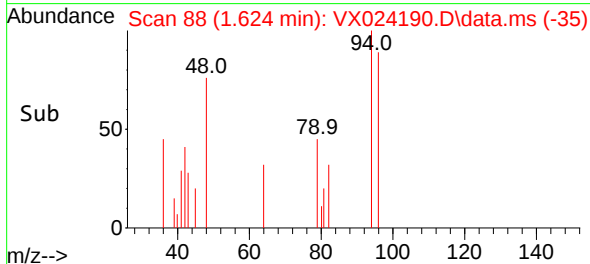
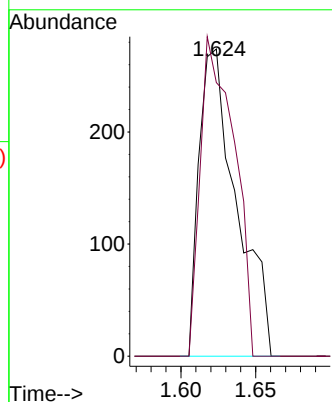
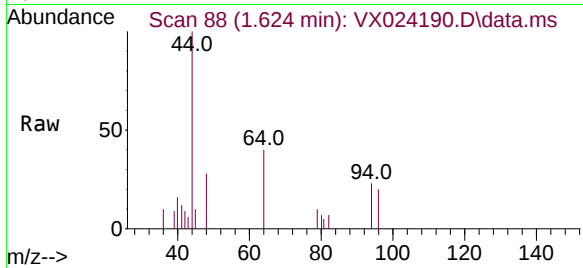




#5
Bromomethane
Concen: 0.587 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

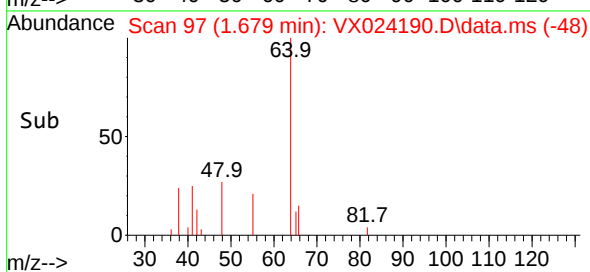
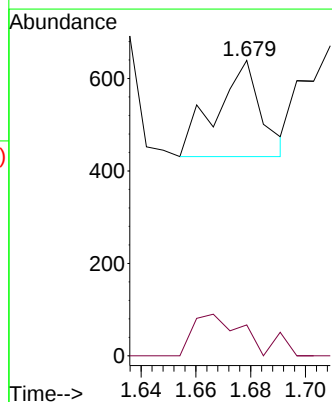
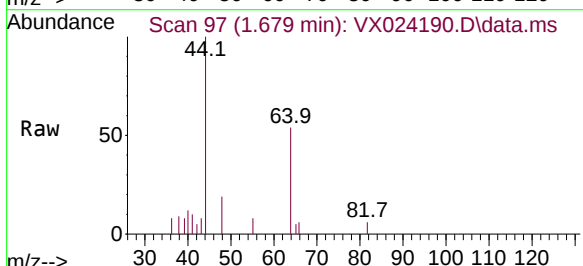
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#02

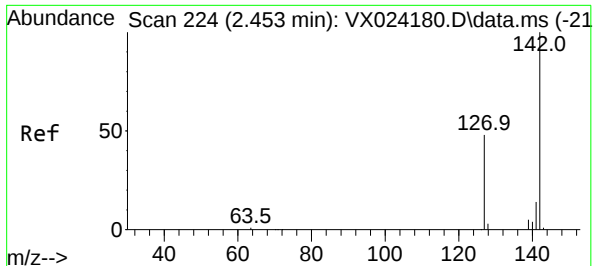
Tgt Ion: 94 Resp: 478
Ion Ratio Lower Upper
94 100
96 89.1 76.4 114.6



#6
Chloroethane
Concen: 0.251 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

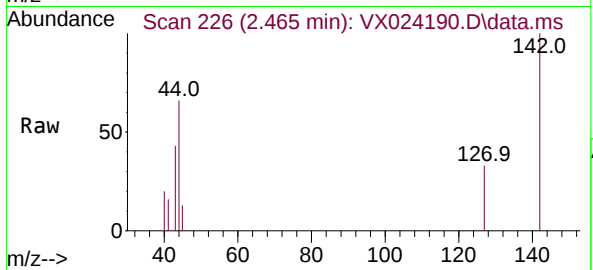
Tgt Ion: 64 Resp: 235
Ion Ratio Lower Upper
64 100
66 32.2 25.4 38.0



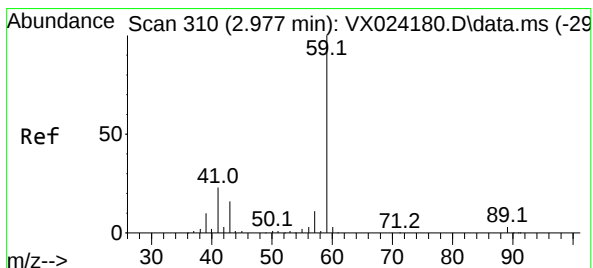
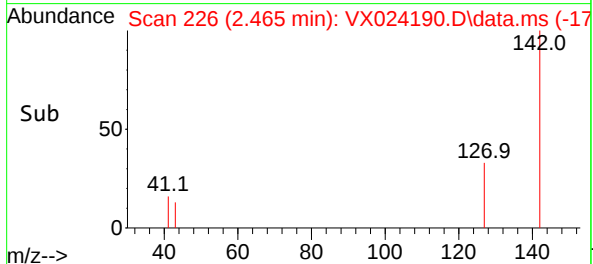
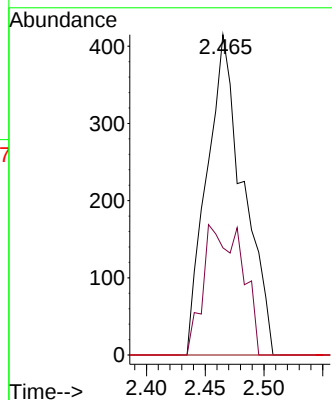


#10
Methyl Iodide
Concen: 0.487 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#02

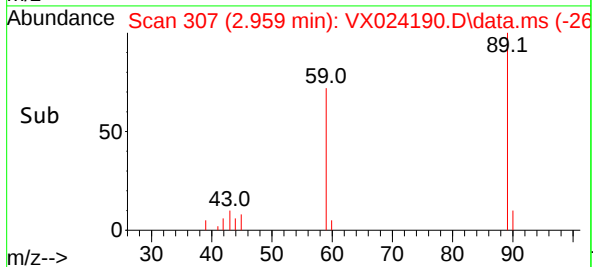
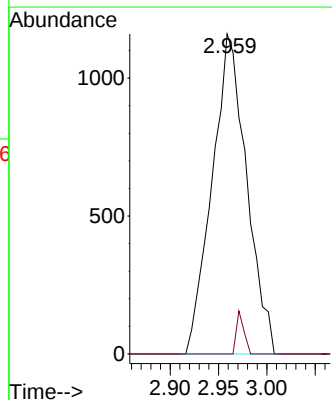
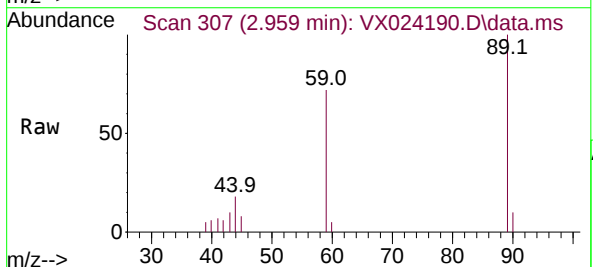


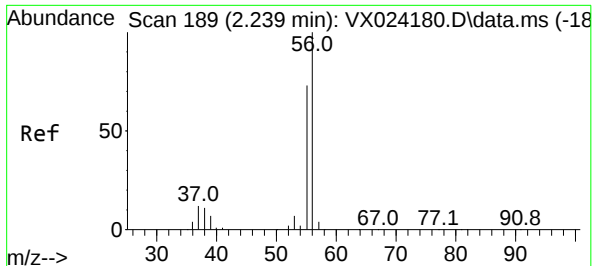
Tgt Ion:142 Resp: 895
Ion Ratio Lower Upper
142 100
127 43.2 33.3 49.9
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Tgt Ion: 59 Resp: 2877
Ion Ratio Lower Upper
59 100
57 2.9 7.8 11.8#

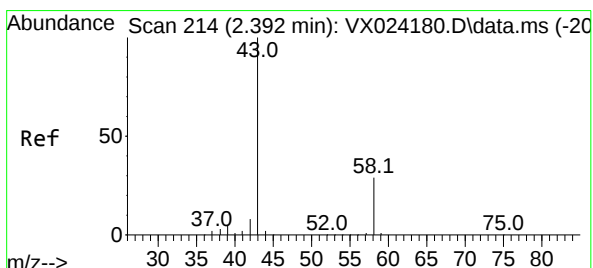
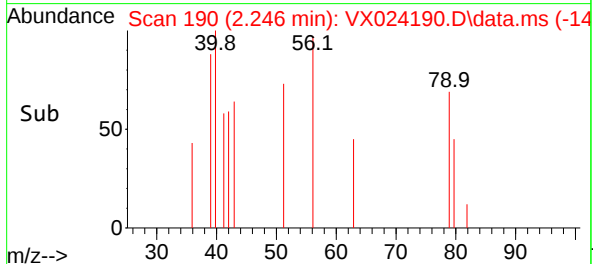
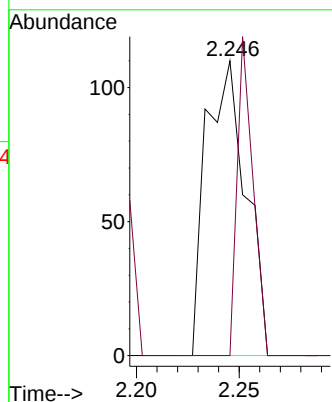
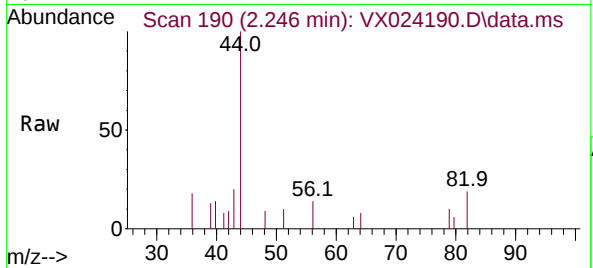




#13
Acrolein
Concen: 0.867 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.007 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

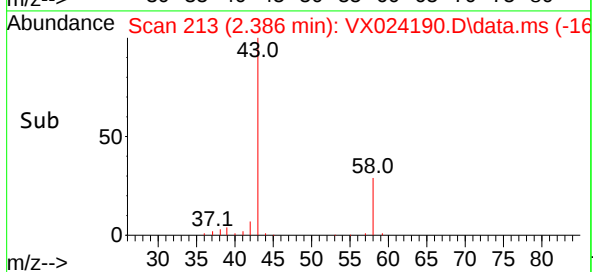
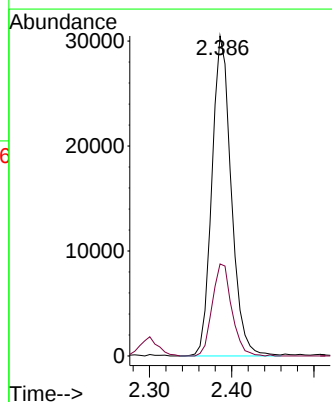
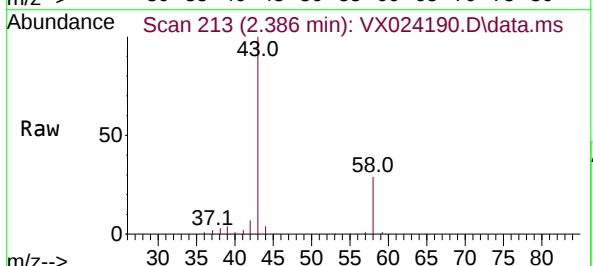
Instrument :
MSVOA_X
ClientSampleId :
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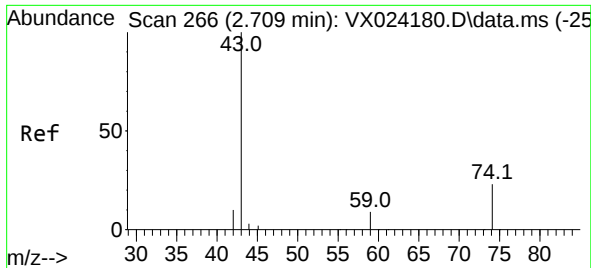
Tgt Ion: 56 Resp: 148
Ion Ratio Lower Upper
56 100
55 43.2 56.4 84.6#



#16
Acetone
Concen: 53.626 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Tgt Ion: 43 Resp: 49839
Ion Ratio Lower Upper
43 100
58 28.8 27.8 41.8

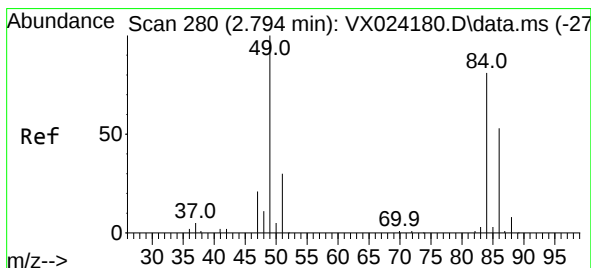
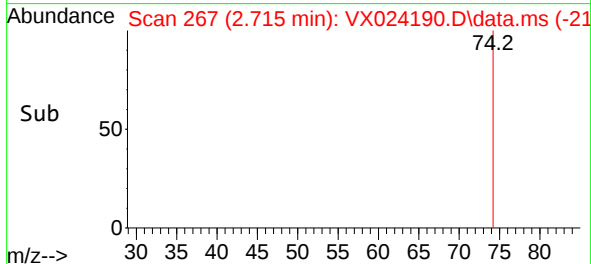
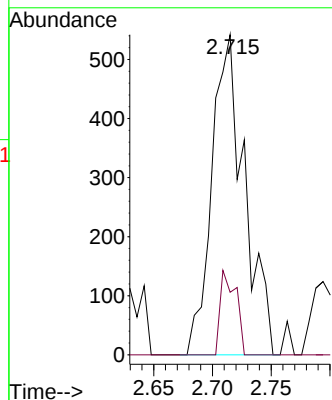
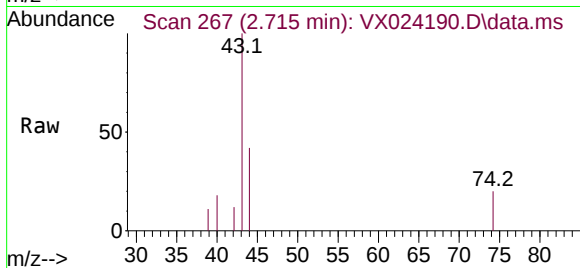




#18
Methyl Acetate
Concen: 0.452 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

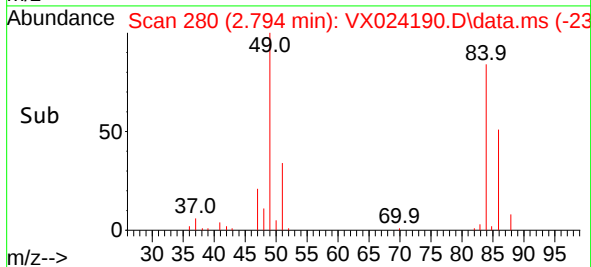
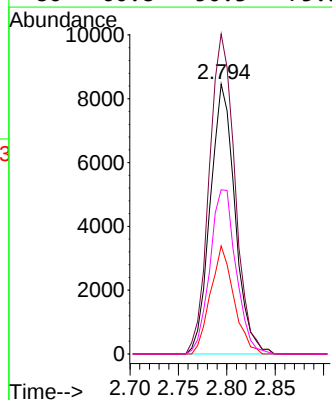
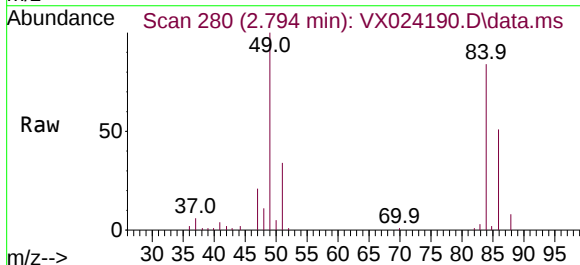
Instrument :
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ClientSampleId :
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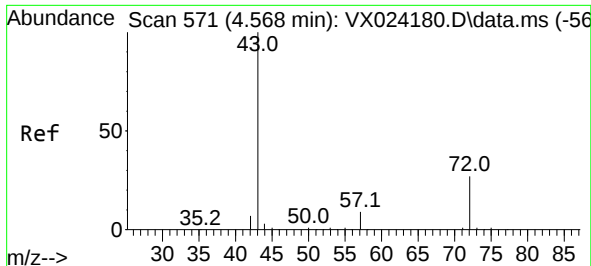
Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
74 12.7 21.9 32.9#



#20
Methylene Chloride
Concen: 10.424 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Tgt Ion: 84 Resp: 15078
Ion Ratio Lower Upper
84 100
49 118.6 88.6 132.8
51 40.0 27.0 40.6
86 60.8 50.3 75.5

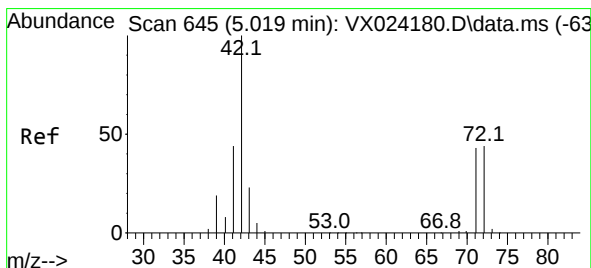
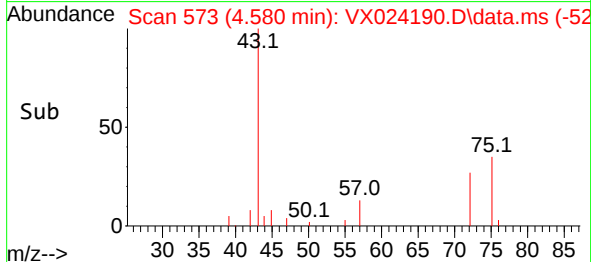
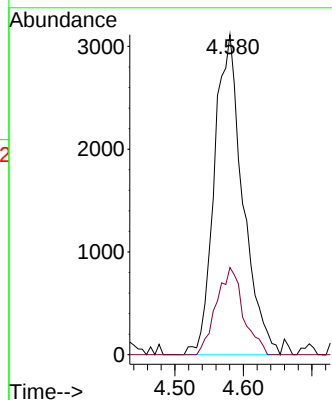
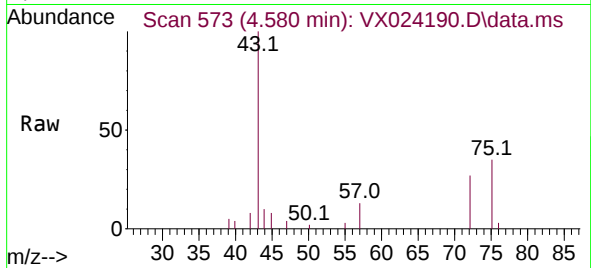




#25
2-Butanone
Concen: 6.860 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

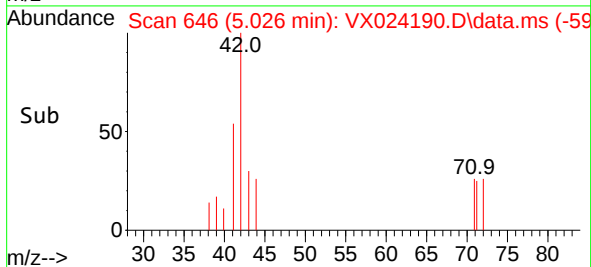
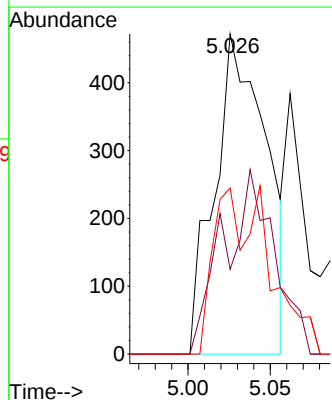
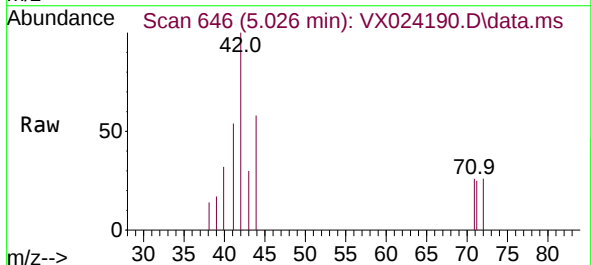
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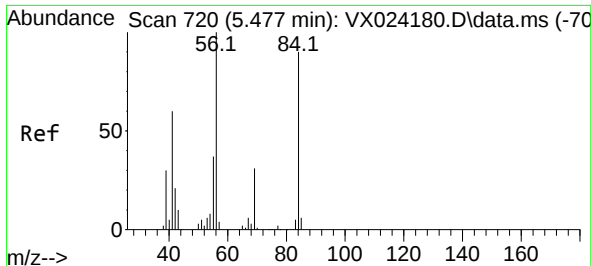
Tgt Ion: 43 Resp: 8979
Ion Ratio Lower Upper
43 100
72 27.3 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.249 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.007 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Tgt Ion: 42 Resp: 1029
Ion Ratio Lower Upper
42 100
72 56.5 41.7 62.5
71 55.4 38.4 57.6

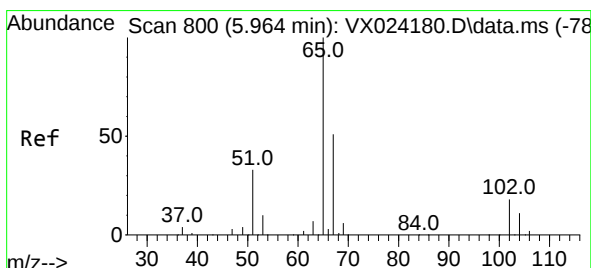
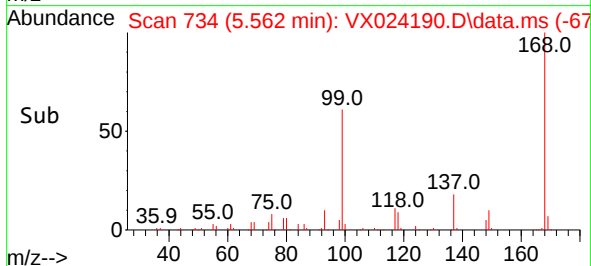
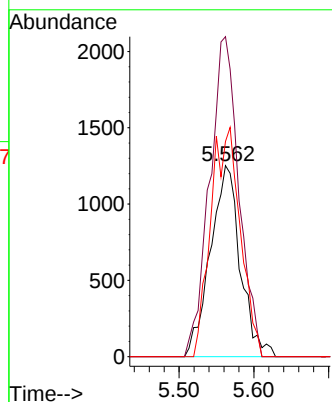
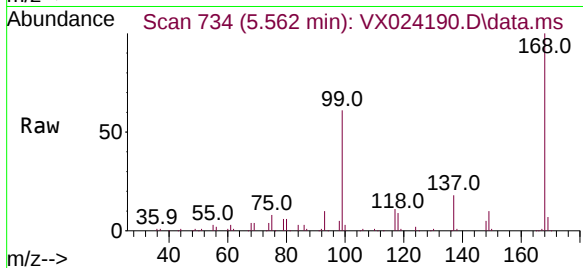




#31
Cyclohexane
Concen: 1.495 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

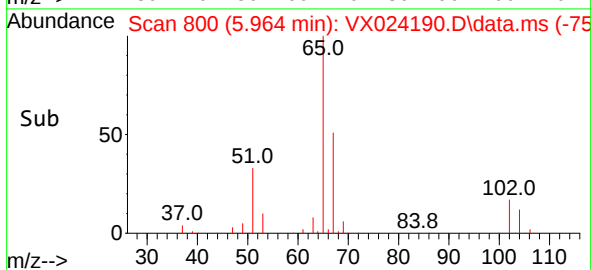
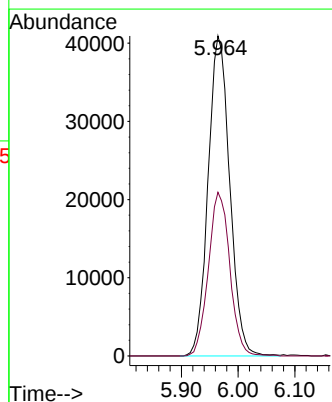
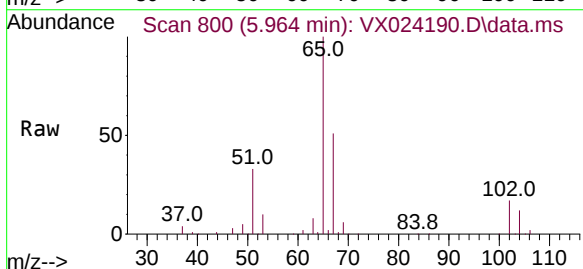
Instrument :
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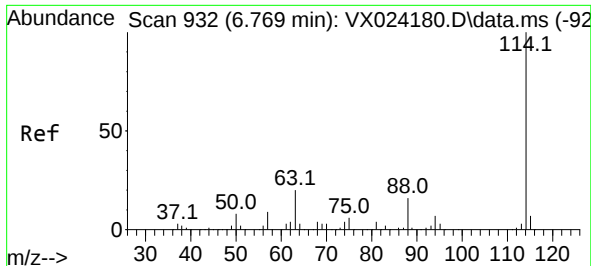
Tgt Ion: 56 Resp: 3480
Ion Ratio Lower Upper
56 100
69 167.5 25.3 37.9#
84 112.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.853 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Tgt Ion: 65 Resp: 108308
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.4

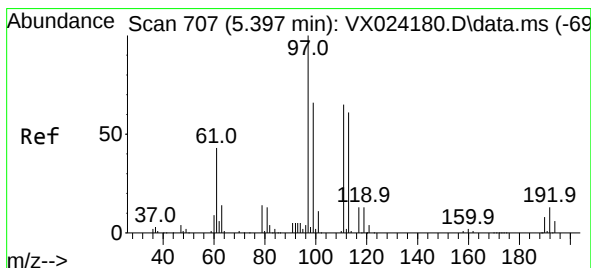
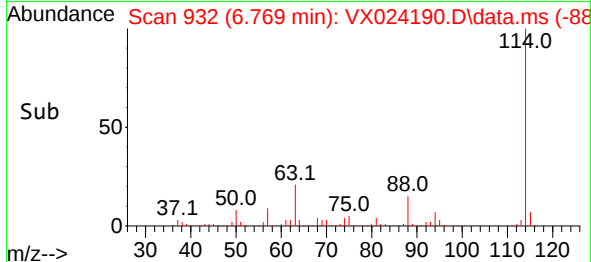
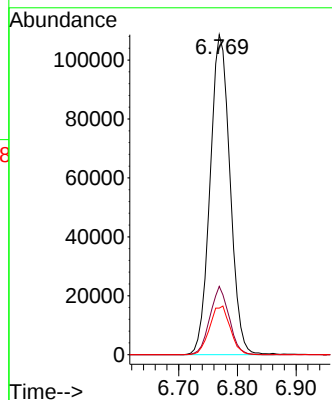
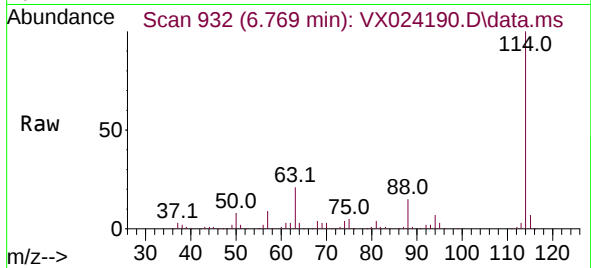




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

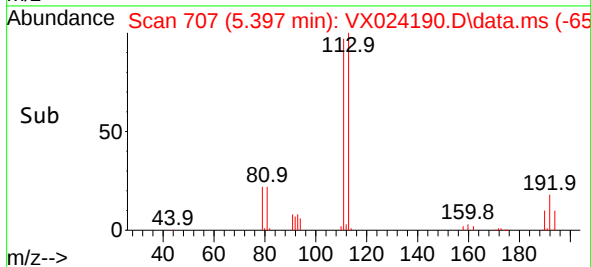
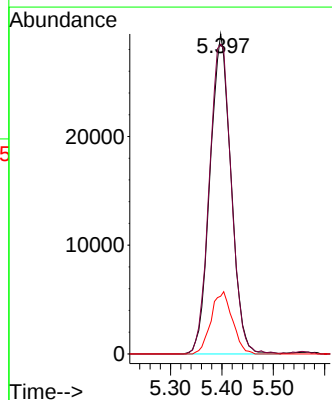
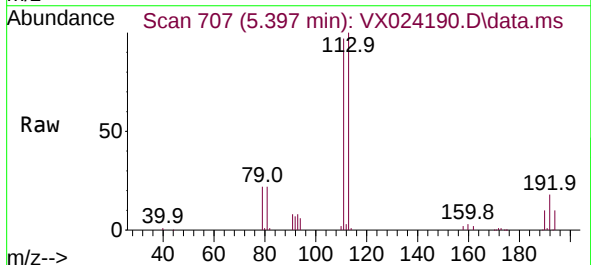
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#02

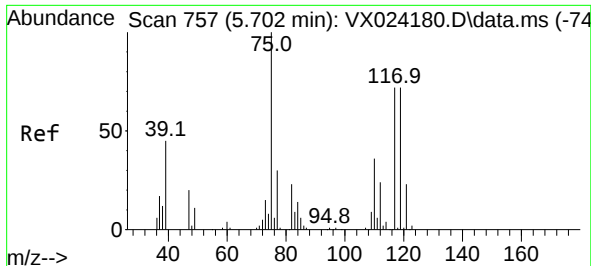
Tgt Ion:114 Resp: 255710
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 14.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.739 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Tgt Ion:113 Resp: 83526
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 19.7 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.949 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX024190.D

Acq: 13 Sep 2021 17:35

Tgt Ion: 75 Resp: 11679

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.4#

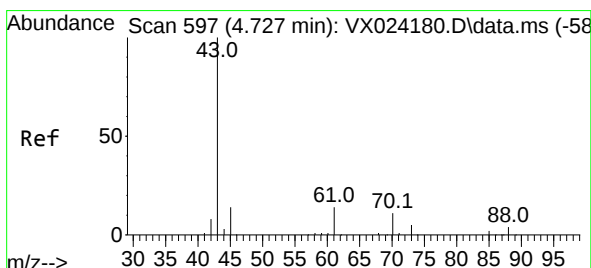
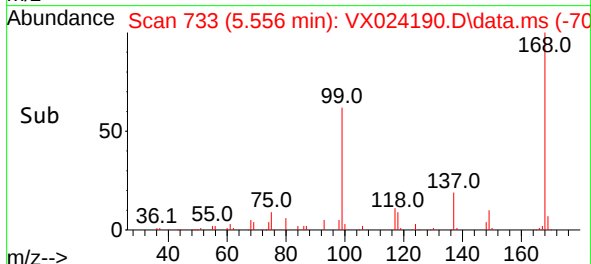
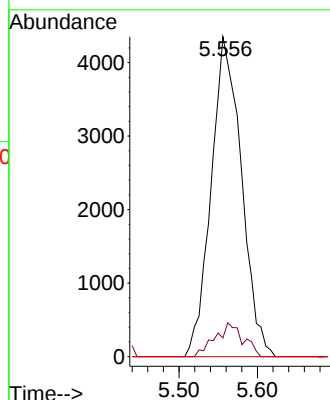
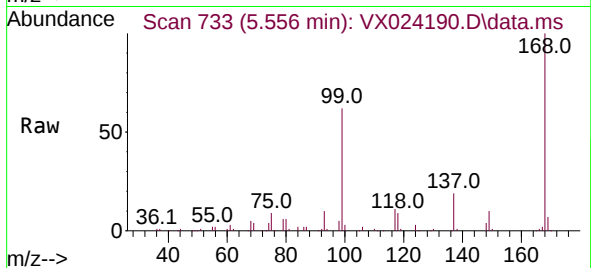
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :

PB139034ZHE#02



#37

Ethyl Acetate

Concen: 3.340 ug/l

RT: 4.580 min Scan# 573

Delta R.T. -0.147 min

Lab File: VX024190.D

Acq: 13 Sep 2021 17:35

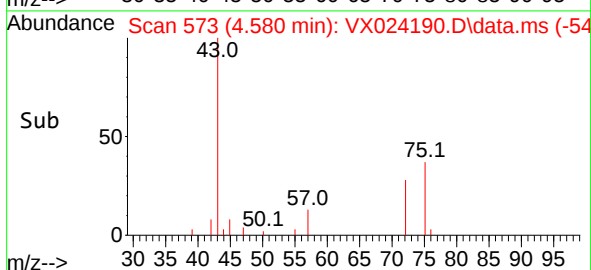
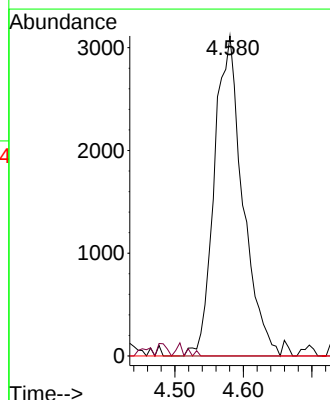
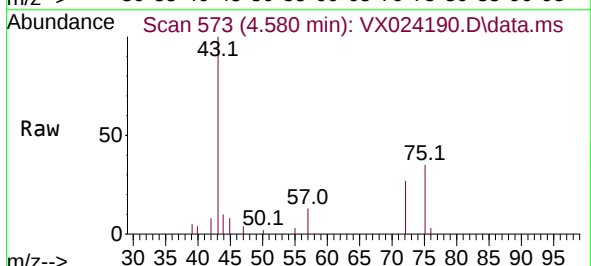
Tgt Ion: 43 Resp: 8979

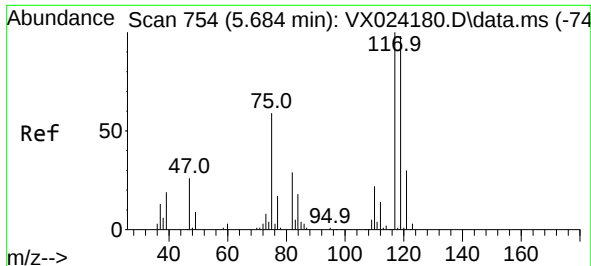
Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

70 0.0 10.5 15.7#

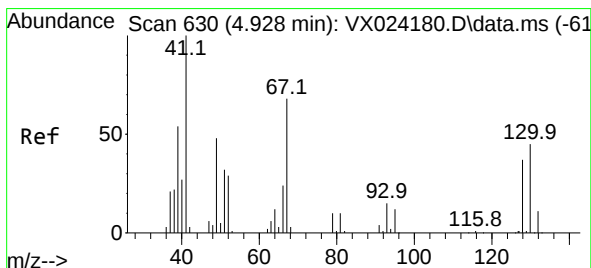
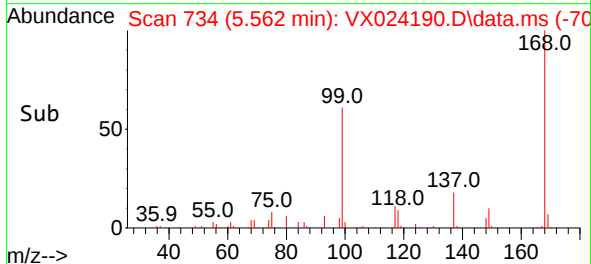
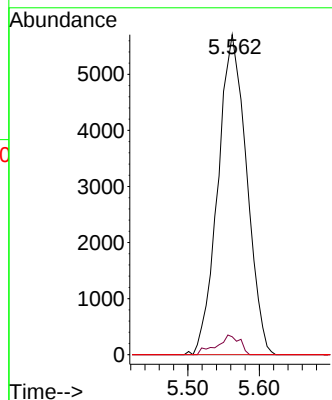
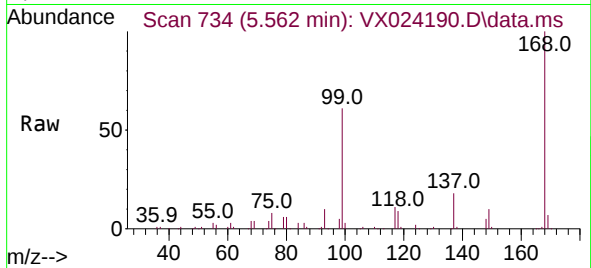




#38
Carbon Tetrachloride
Concen: 6.164 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

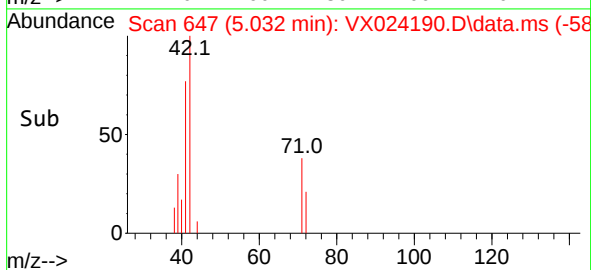
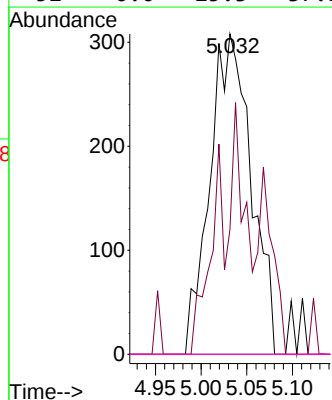
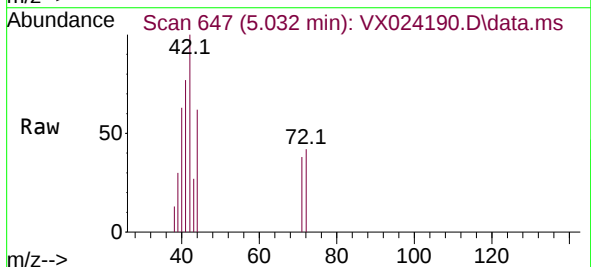
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#02

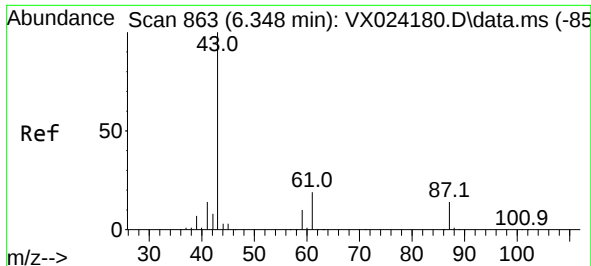
Tgt Ion:117 Resp: 15920
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.680 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Tgt Ion: 41 Resp: 972
Ion Ratio Lower Upper
41 100
39 26.9 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

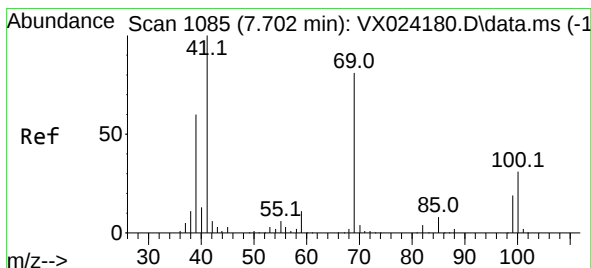
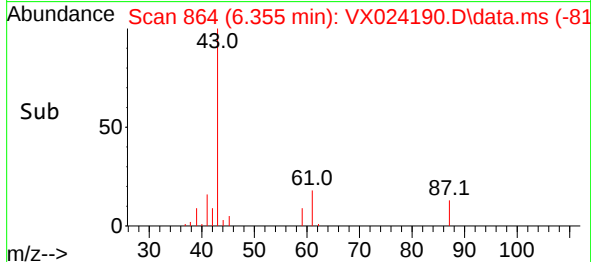
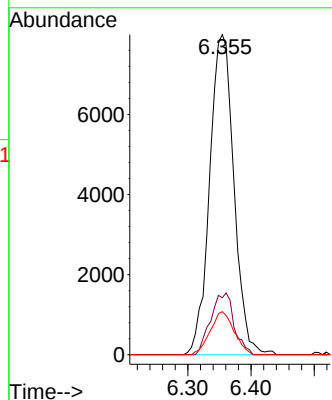
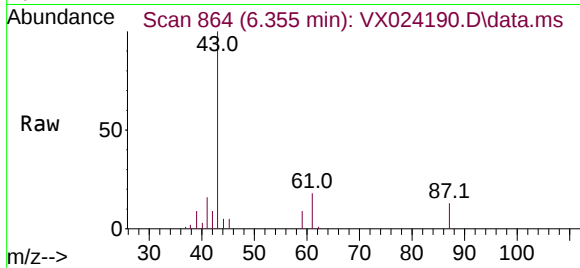




#43
Isopropyl Acetate
Concen: 4.887 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

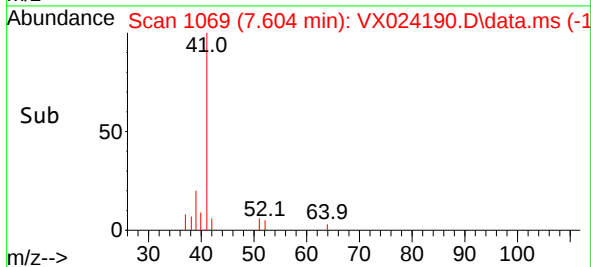
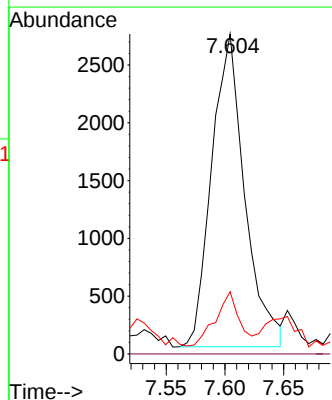
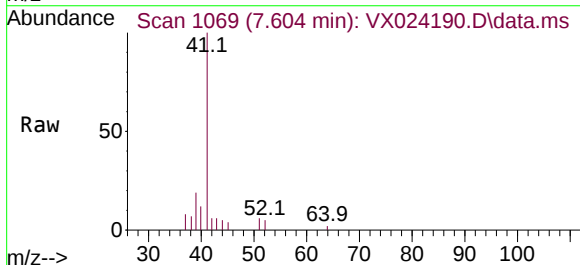
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#02

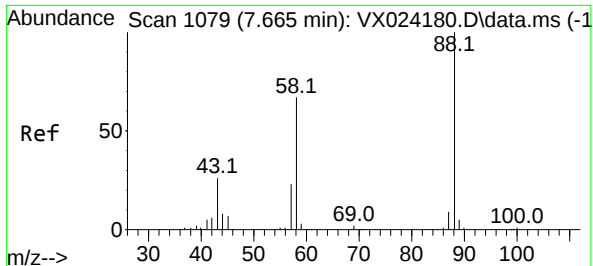
Tgt Ion:	43	Resp:	21296
Ion	Ratio	Lower	Upper
43	100		
61	18.6	18.2	27.4
87	13.2	12.5	18.7



#48
Methyl methacrylate
Concen: 2.557 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Tgt Ion:	41	Resp:	5297
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: 4.151 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.141 min

Lab File: VX024190.D

Acq: 13 Sep 2021 17:35

Instrument :

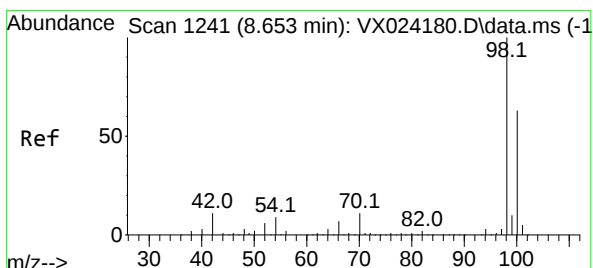
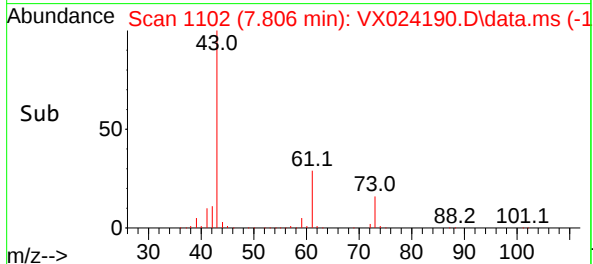
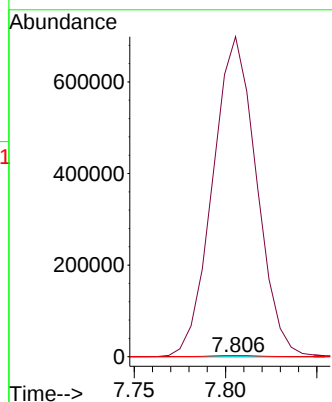
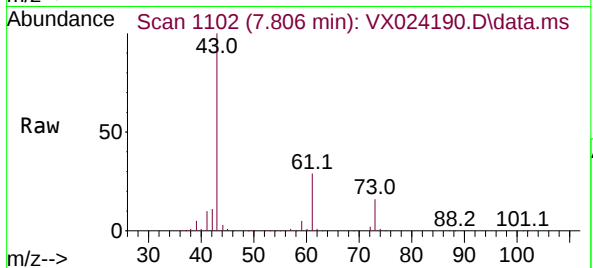
MSVOA_X

ClientSampleId :

PB139034ZHE#02

Tgt Ion: 88 Resp: 196

Ion	Ratio	Lower	Upper
88	100		
43	598945.9	23.2	34.8#
58	2492.3	55.0	82.4#



#50

Toluene-d8

Concen: 50.178 ug/l

RT: 8.653 min Scan# 1241

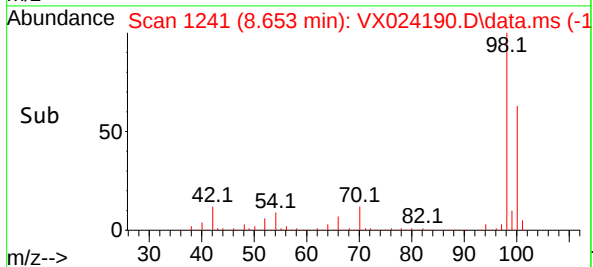
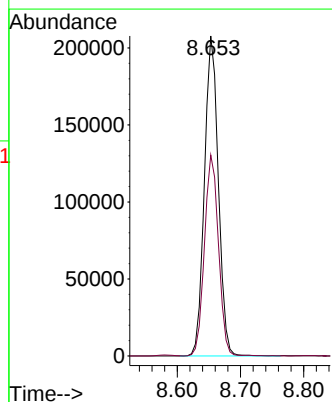
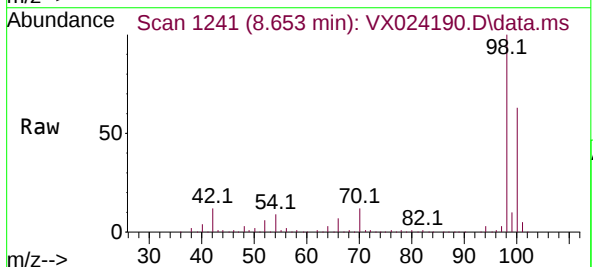
Delta R.T. -0.000 min

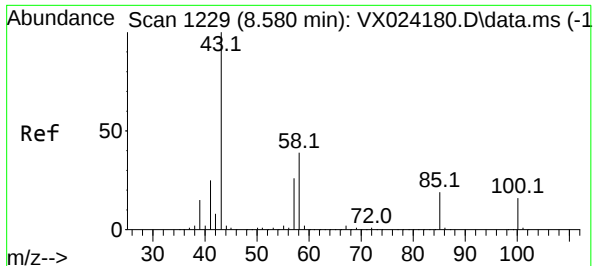
Lab File: VX024190.D

Acq: 13 Sep 2021 17:35

Tgt Ion: 98 Resp: 318862

Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.9	77.9

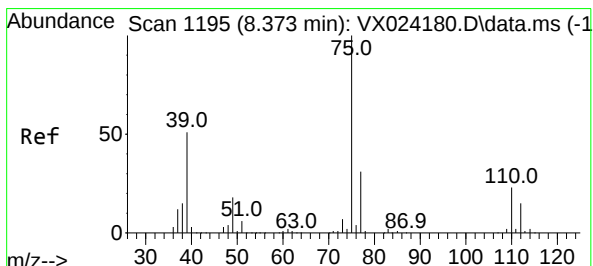
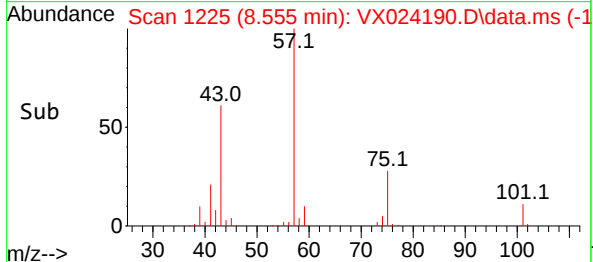
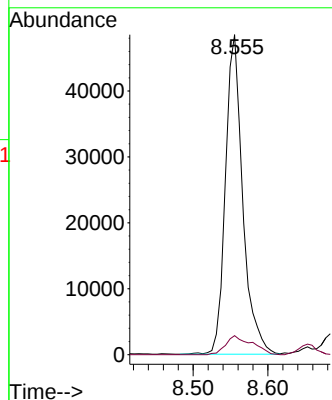
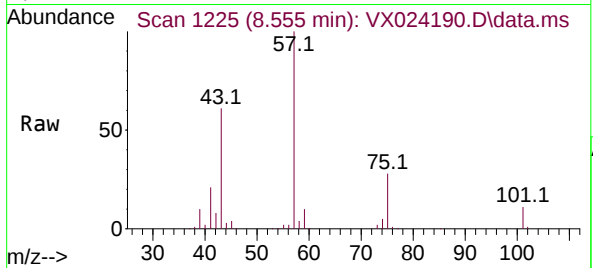




#51
4-Methyl-2-Pentanone
Concen: 28.366 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

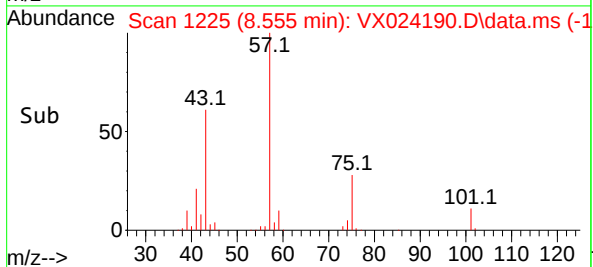
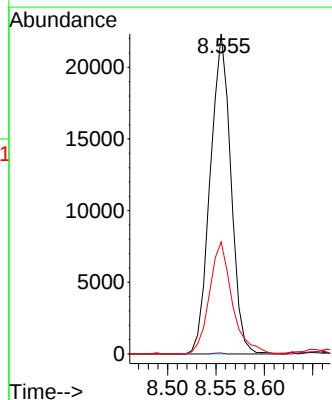
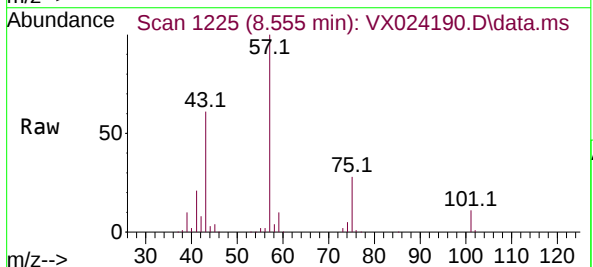
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#02

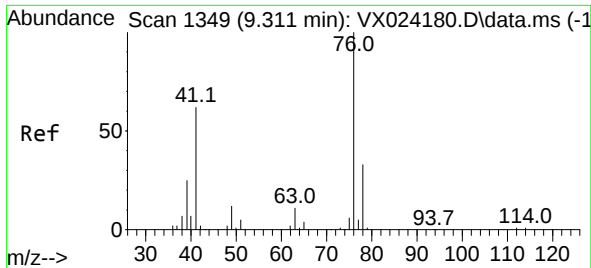
Tgt Ion: 43 Resp: 78048
Ion Ratio Lower Upper
43 100
58 9.0 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 11.684 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Tgt Ion: 75 Resp: 33110
Ion Ratio Lower Upper
75 100
77 0.3 25.7 38.5#
39 35.0 35.1 52.7#



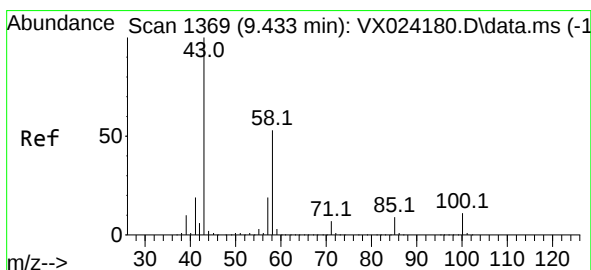
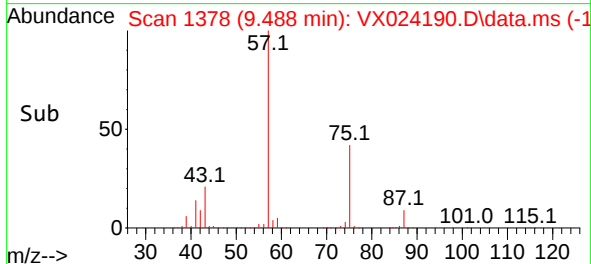
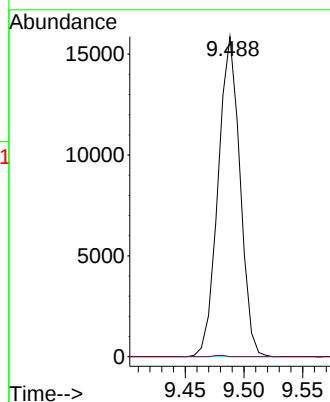
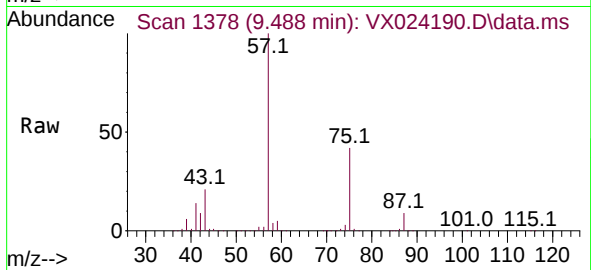


#57

1,3-Dichloropropane
Concen: 6.801 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#02

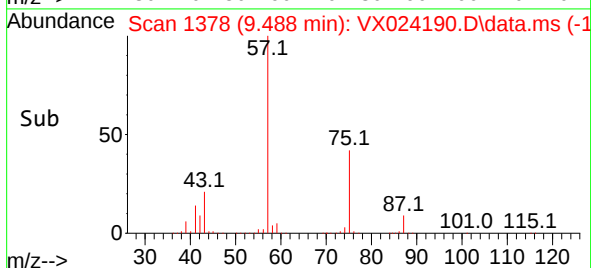
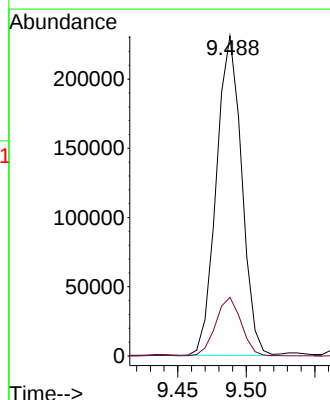
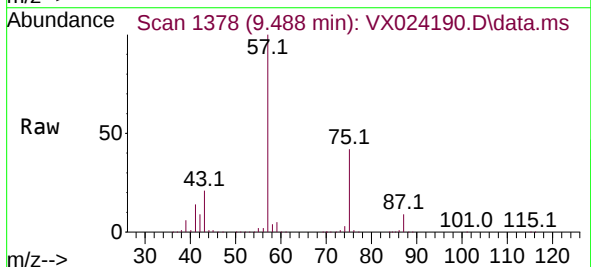
Tgt Ion: 76 Resp: 20546
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#

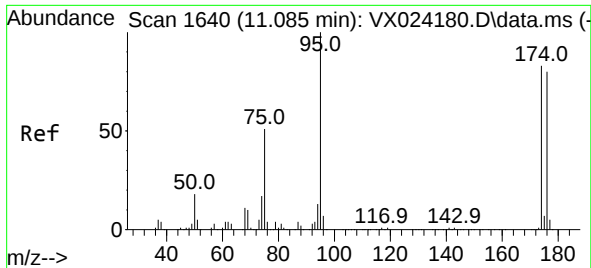


#59

2-Hexanone
Concen: 137.730 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Tgt Ion: 43 Resp: 296652
Ion Ratio Lower Upper
43 100
58 18.6 30.9 92.8#

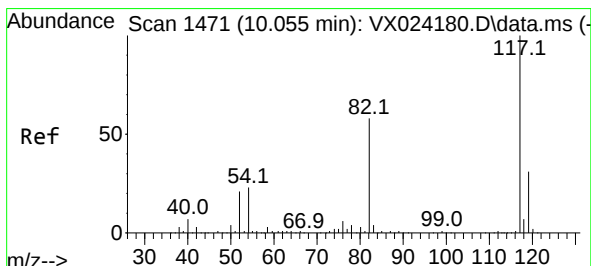
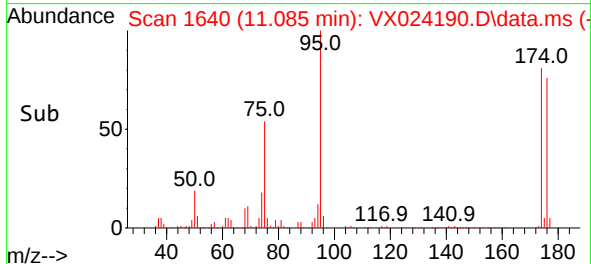
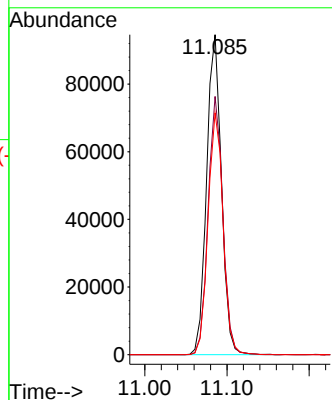
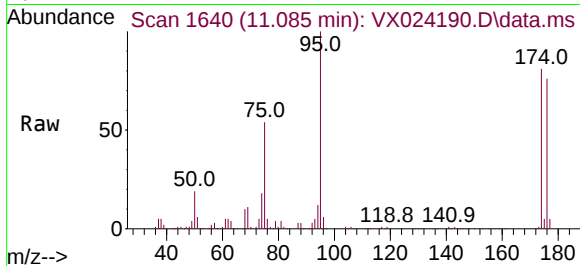




#62
4-Bromofluorobenzene
Concen: 48.385 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

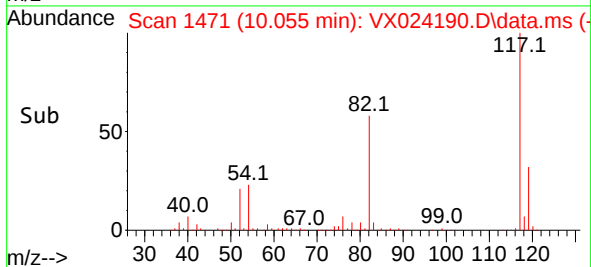
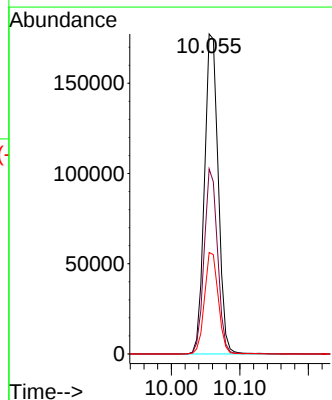
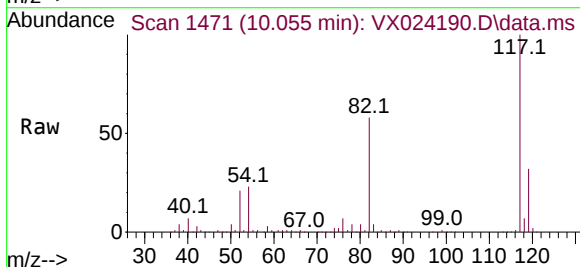
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#02

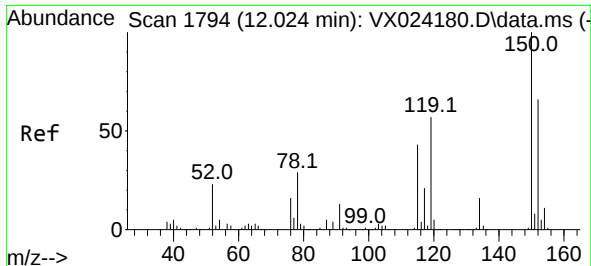
Tgt Ion: 95 Resp: 118561
Ion Ratio Lower Upper
95 100
174 80.2 0.0 154.6
176 76.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Tgt Ion: 117 Resp: 247912
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 31.7 26.6 39.8

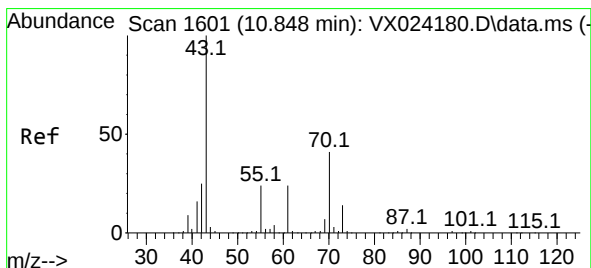
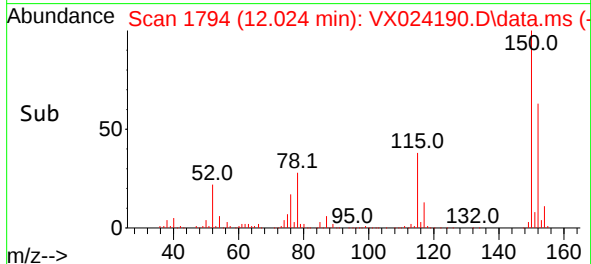
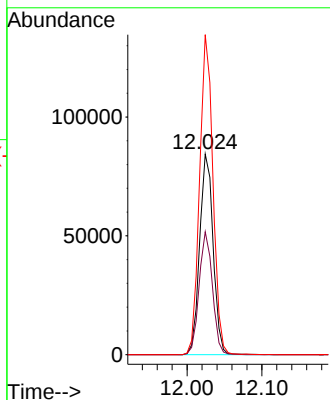
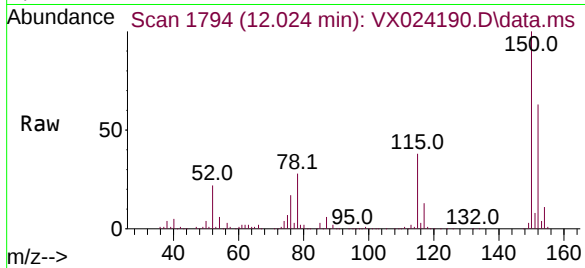




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

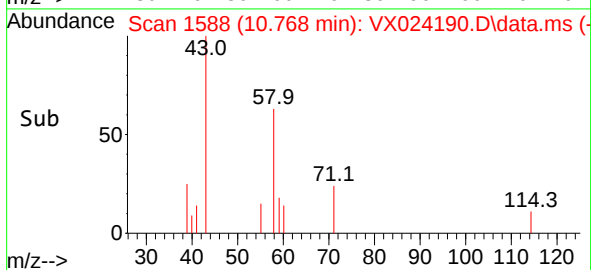
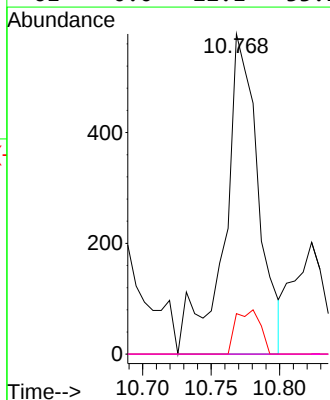
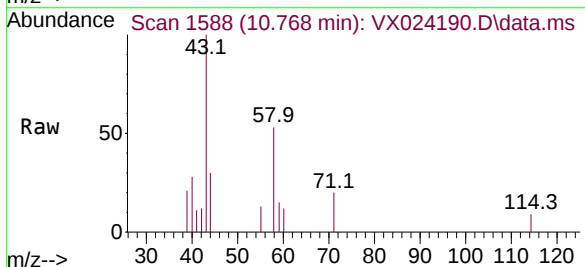
Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#02

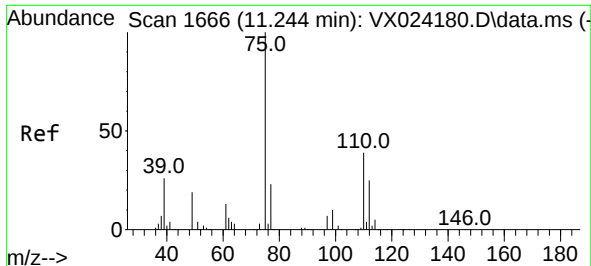
Tgt Ion:152 Resp: 105971
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 157.3 0.0 349.0



#74
N-ethyl acetate
Concen: 0.298 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Tgt Ion: 43 Resp: 990
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 10.1 21.5 32.3#
61 0.0 22.1 33.1#

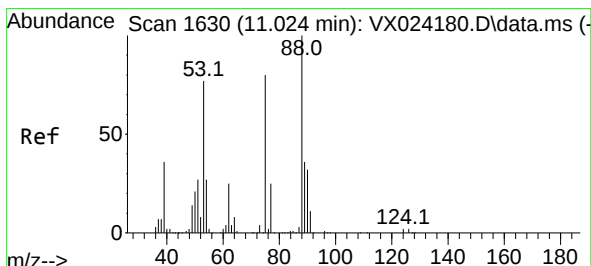
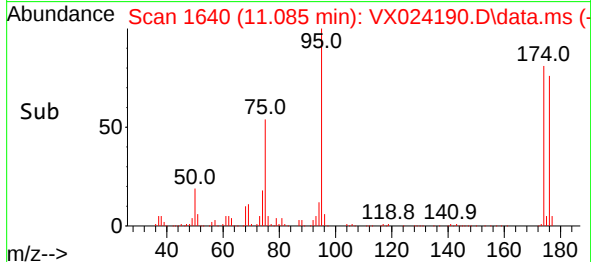
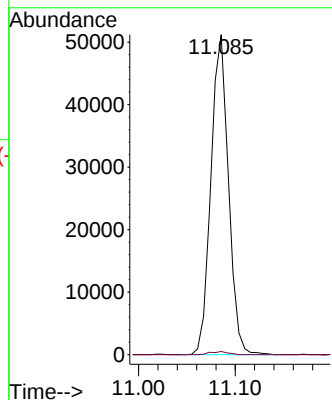
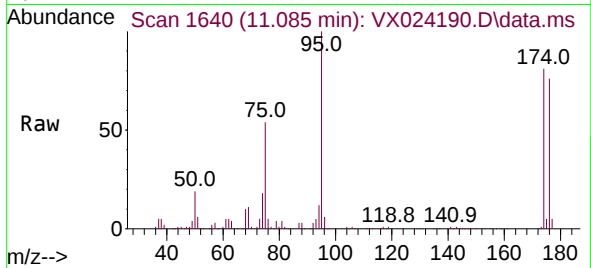




#76
1,2,3-Trichloropropane
Concen: 26.945 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Instrument :
MSVOA_X
ClientSampleId :
PB139034ZHE#02

Tgt Ion: 75 Resp: 64370
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.547 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024190.D
Acq: 13 Sep 2021 17:35

Tgt Ion: 75 Resp: 64370
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

