

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091421\
 Data File : VX024230.D
 Acq On : 15 Sep 2021 00:56
 Operator : JC/MD
 Sample : PB139075ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB139075ZHE#03

Quant Time: Sep 15 02:01:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

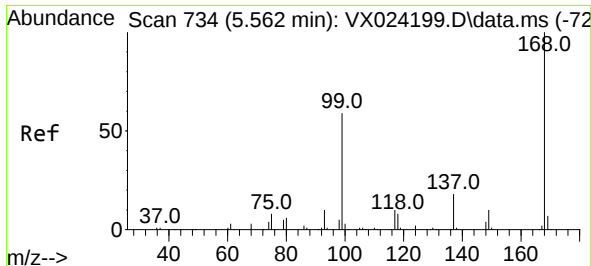
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	127536	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	218466	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	96290	52.947	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.900%			
35) Dibromofluoromethane	5.397	113	72398	49.414	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.820%			
50) Toluene-d8	8.653	98	277502	51.992	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.980%			
62) 4-Bromofluorobenzene	11.085	95	94689	45.586	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.180%			
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	478	0.630	ug/l	86
6) Chloroethane	1.685	64	185	2.173	ug/l #	43
10) Methyl Iodide	2.465	142	666	0.383	ug/l #	88
11) Tert butyl alcohol	2.971	59	1504	Below Cal	#	73
13) Acrolein	2.240	56	26	0.217	ug/l #	1
16) Acetone	2.386	43	28956	37.341	ug/l	88
18) Methyl Acetate	2.715	43	1103	0.454	ug/l #	83
20) Methylene Chloride	2.794	84	9284	6.235	ug/l	90
25) 2-Butanone	4.574	43	5176	4.532	ug/l	95
29) Tetrahydrofuran	5.032	42	603	0.844	ug/l #	59
31) Cyclohexane	5.562	56	2802	1.317	ug/l #	49
36) 1,1-Dichloropropene	5.562	75	9879	4.918	ug/l #	45
37) Ethyl Acetate	4.574	43	5176	2.212	ug/l #	66
38) Carbon Tetrachloride	5.568	117	13272	5.871	ug/l #	16
41) Methacrylonitrile	5.026	41	896	0.718	ug/l #	39
43) Isopropyl Acetate	6.355	43	21424	5.751	ug/l	93
48) Methyl methacrylate	7.604	41	5869	3.157	ug/l #	10
49) 1,4-Dioxane	7.806	88	235	6.038	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	86029	36.237	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	36477	15.019	ug/l #	66
56) Ethyl methacrylate	9.013	69	123	1.407	ug/l #	29
57) 1,3-Dichloropropane	9.488	76	21866	8.350	ug/l #	43
59) 2-Hexanone	9.488	43	320444	173.227	ug/l #	42
60) Dibromochloromethane	9.281	129	93	1.775	ug/l #	11
74) N-amyl acetate	10.768	43	683	0.279	ug/l #	45
76) 1,2,3-Trichloropropane	11.085	75	50651	28.243	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	3896	0.796	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.085	75	50651	83.064	ug/l #	12
95) Naphthalene	13.780	128	216	1.325	ug/l #	69

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

Quant Time: Sep 15 02:01:26 2021
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Response via : Initial Calibration

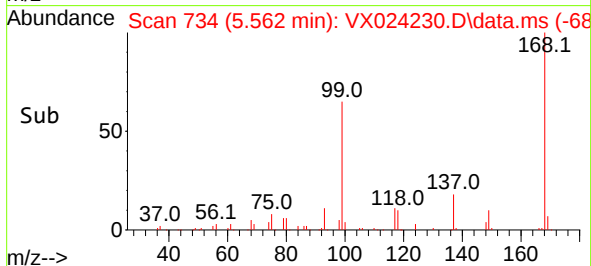
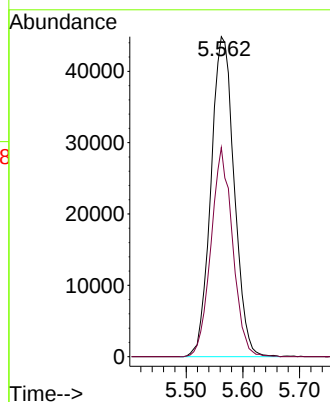
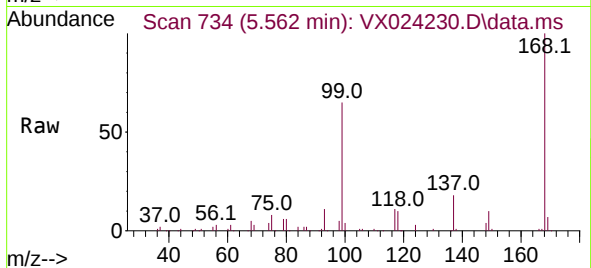




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

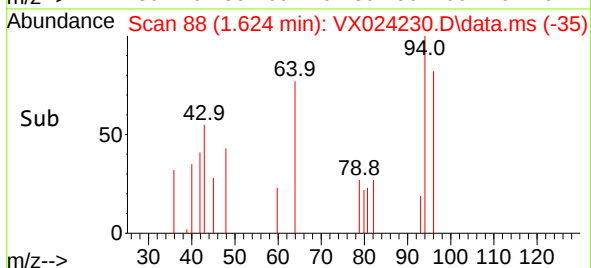
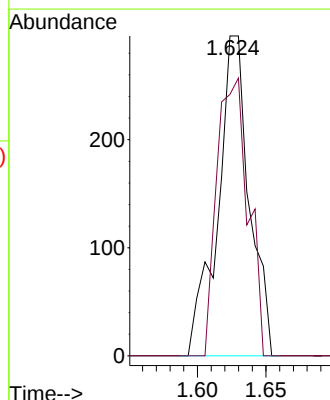
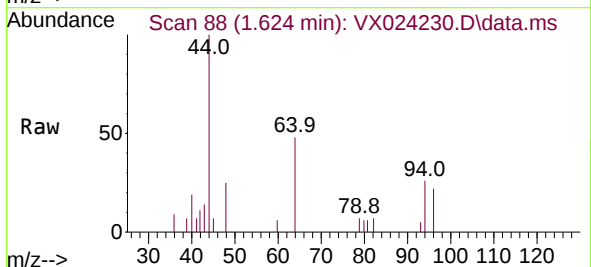
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#03

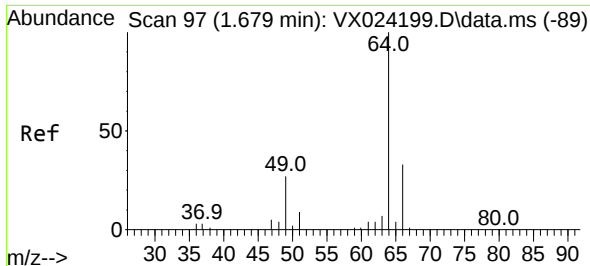
Tgt Ion:168 Resp: 127536
Ion Ratio Lower Upper
168 100
99 65.4 45.8 68.6



#5
Bromomethane
Concen: 0.630 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

Tgt Ion: 94 Resp: 478
Ion Ratio Lower Upper
94 100
96 81.8 76.4 114.6

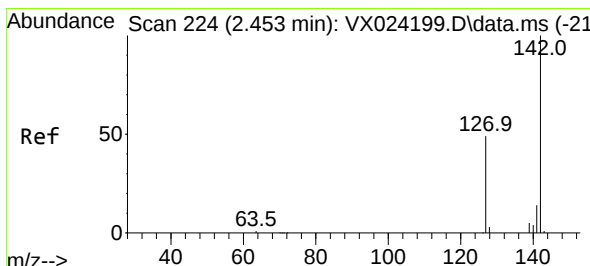
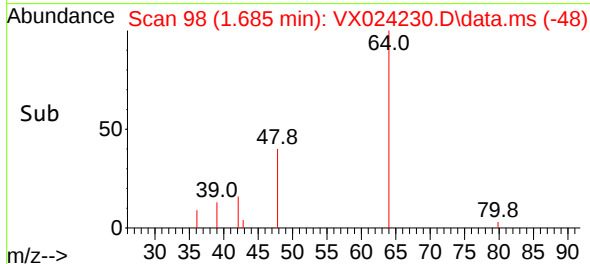
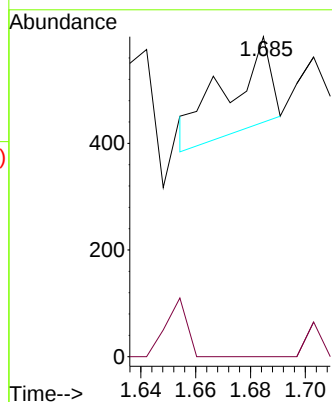
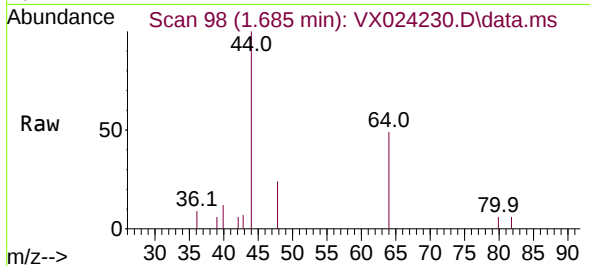




#6
Chloroethane
Concen: 2.173 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

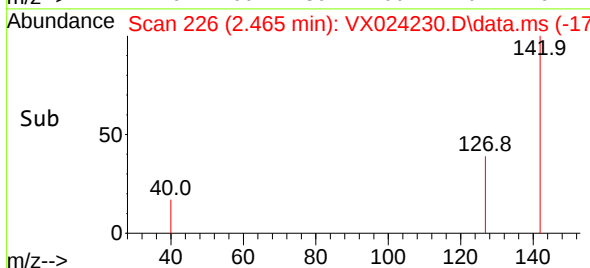
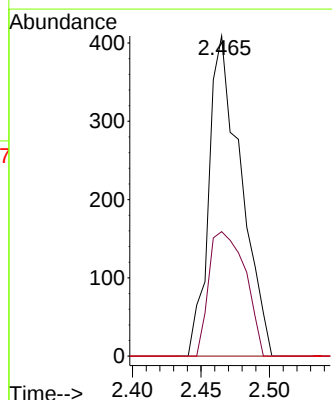
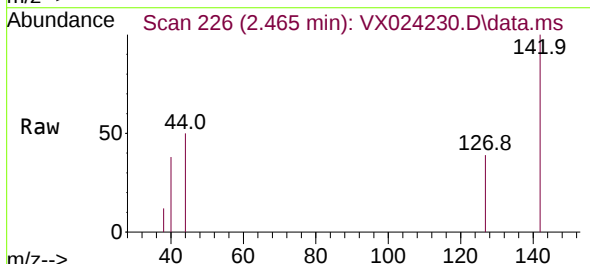
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#03

Tgt Ion: 64 Resp: 185
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.383 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

Tgt Ion: 142 Resp: 666
Ion Ratio Lower Upper
142 100
127 44.1 33.3 49.9
141 0.0 11.4 17.0#



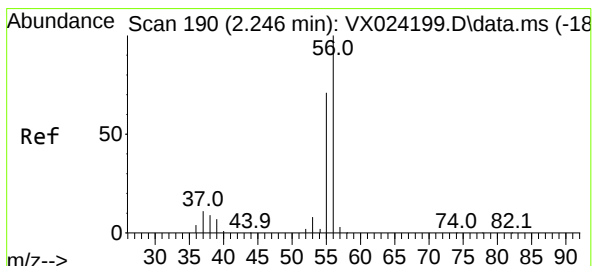
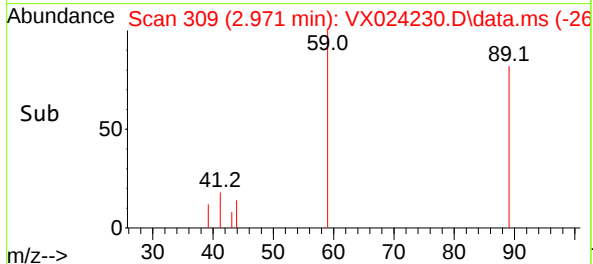
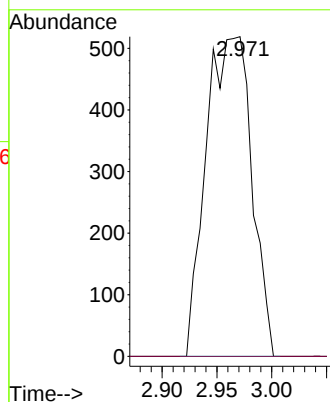
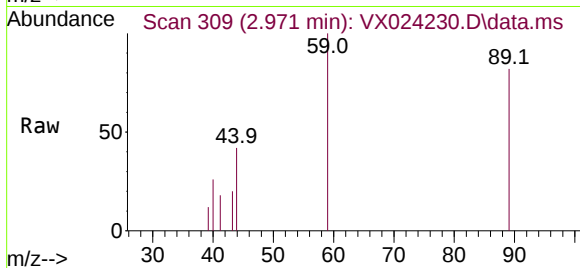


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#03

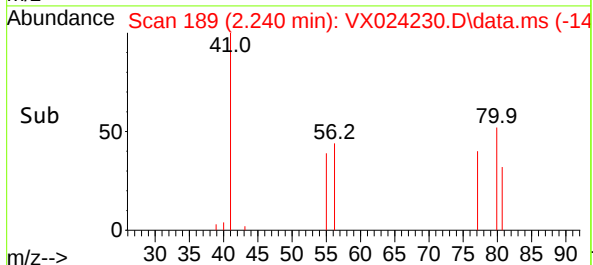
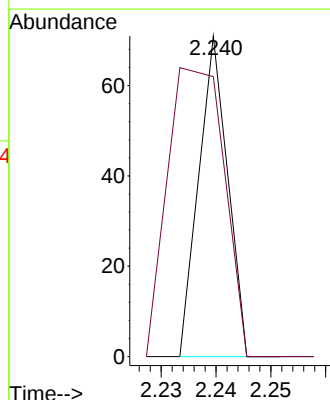
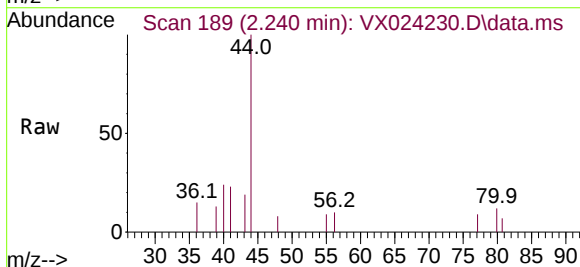
Tgt Ion: 59 Resp: 1504
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

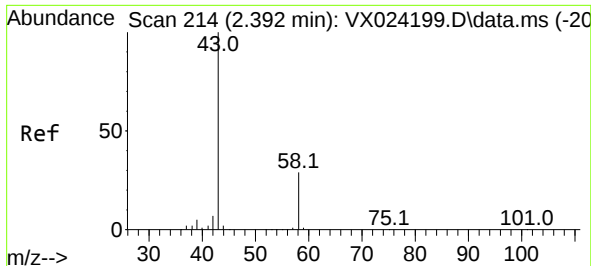


#13

Acrolein
Concen: 0.217 ug/l
RT: 2.240 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 176.9 56.4 84.6#

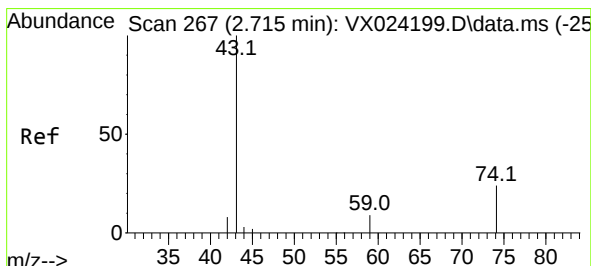
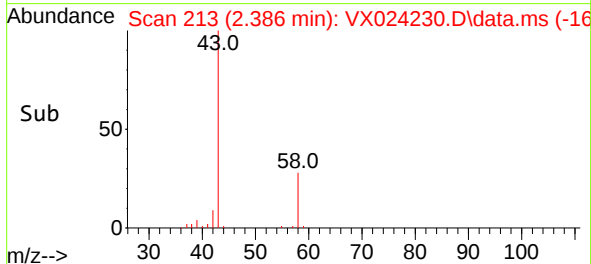
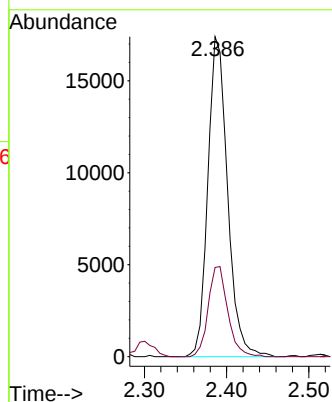
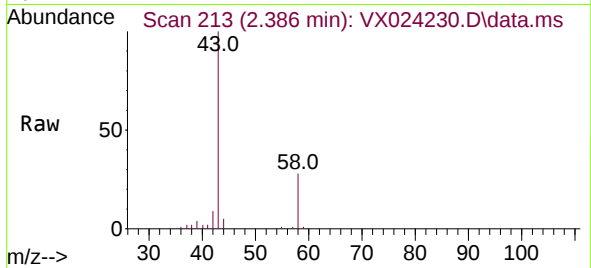




#16
Acetone
Concen: 37.341 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

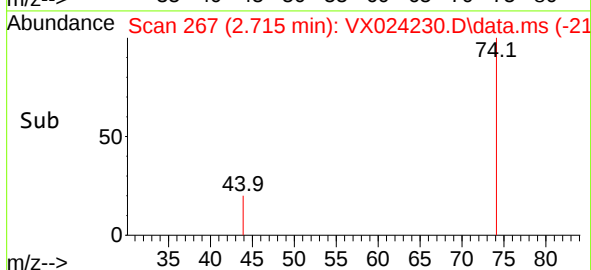
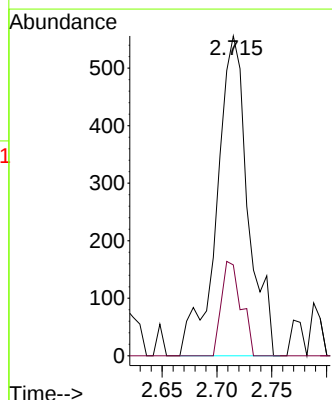
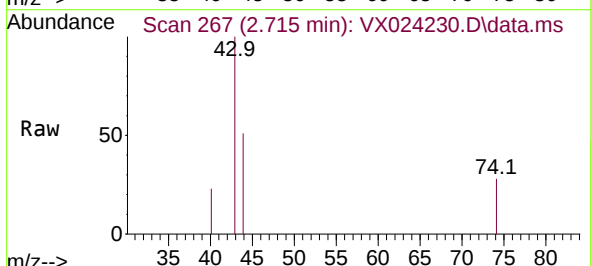
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#03

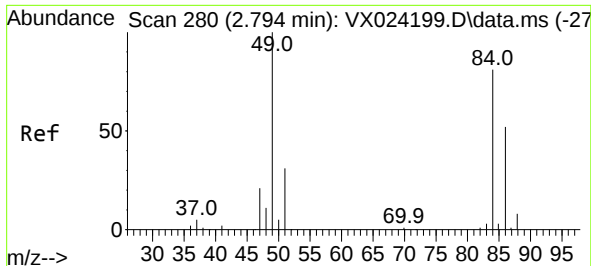
Tgt Ion: 43 Resp: 28956
Ion Ratio Lower Upper
43 100
58 27.9 27.8 41.8



#18
Methyl Acetate
Concen: 0.454 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

Tgt Ion: 43 Resp: 1103
Ion Ratio Lower Upper
43 100
74 18.7 21.9 32.9#





#20

Methylene Chloride

Concen: 6.235 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX024230.D

Acq: 15 Sep 2021 00:56

Tgt Ion: 84 Resp: 9284

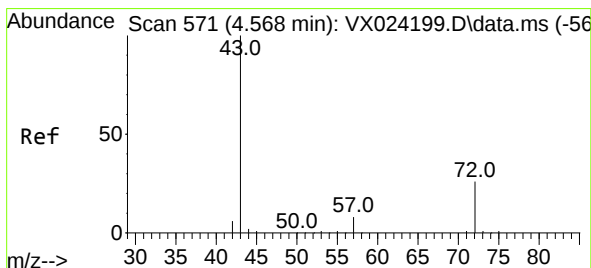
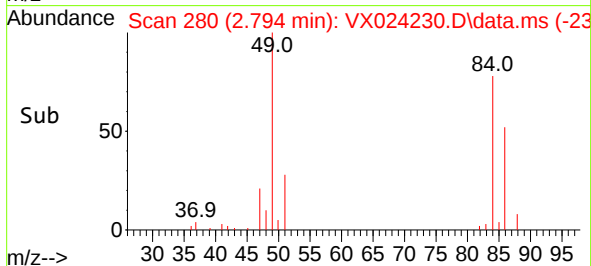
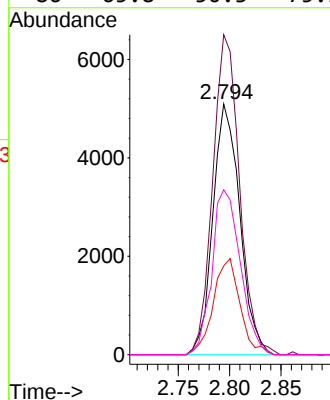
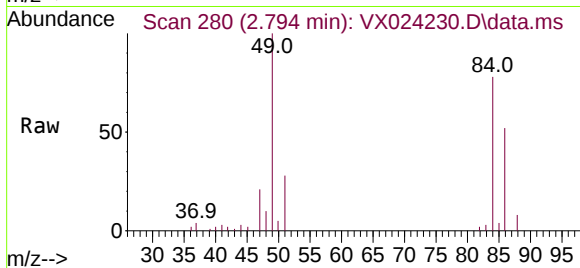
Ion Ratio Lower Upper

84 100

49 127.6 88.6 132.8

51 35.4 27.0 40.6

86 65.8 50.3 75.5



#25

2-Butanone

Concen: 4.532 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX024230.D

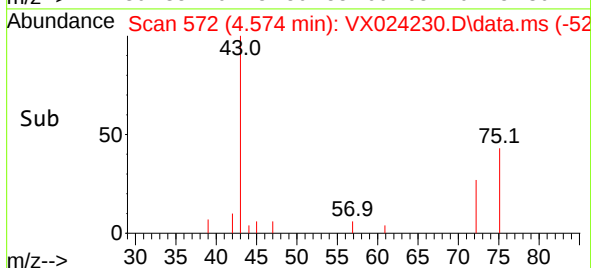
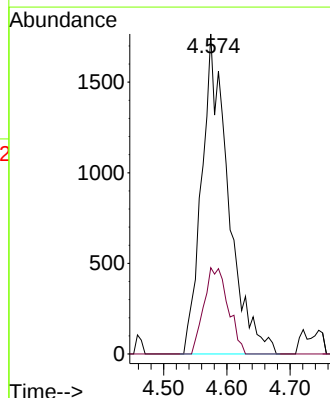
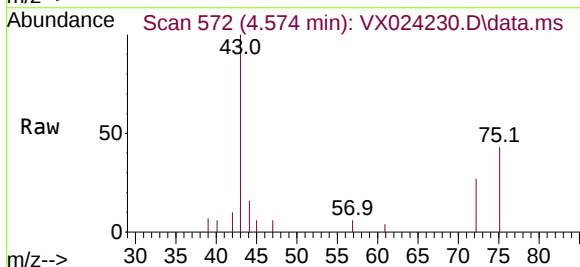
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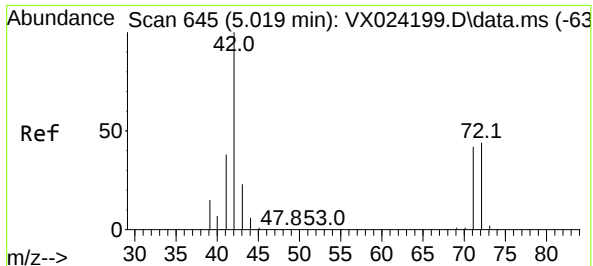
Tgt Ion: 43 Resp: 5176

Ion Ratio Lower Upper

43 100

72 27.0 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.844 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX024230.D

Acq: 15 Sep 2021 00:56

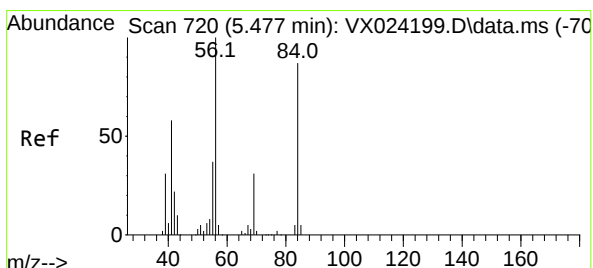
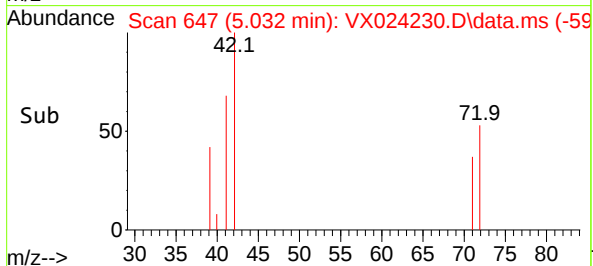
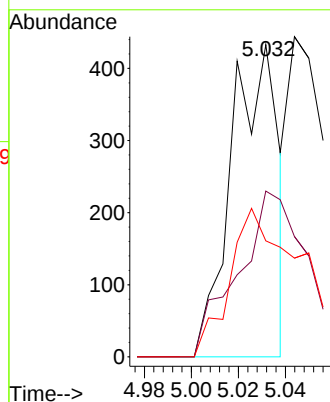
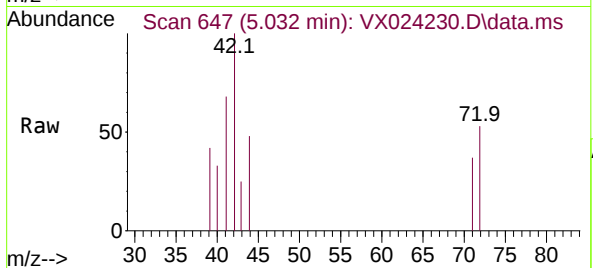
Instrument :

MSVOA_X

ClientSampleId :

PB139075ZHE#03

Tgt Ion:	42	Resp:	603
Ion	Ratio	Lower	Upper
42	100		
72	74.6	41.7	62.5#
71	82.1	38.4	57.6#



#31

Cyclohexane

Concen: 1.317 ug/l

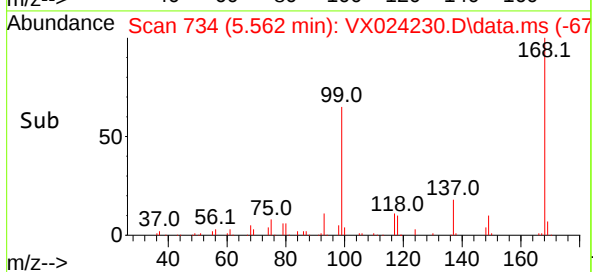
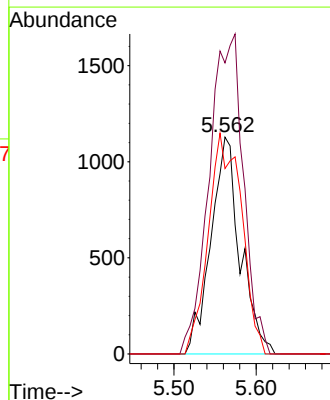
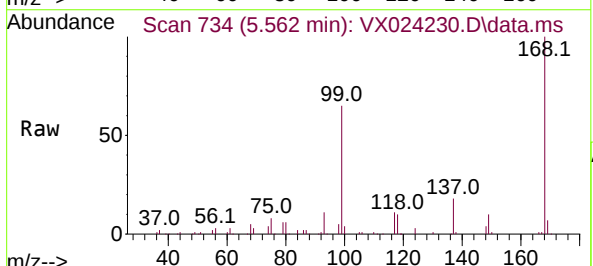
RT: 5.562 min Scan# 734

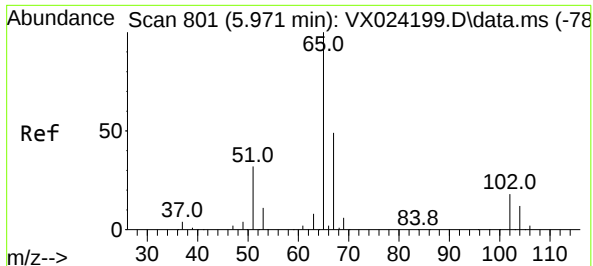
Delta R.T. 0.085 min

Lab File: VX024230.D

Acq: 15 Sep 2021 00:56

Tgt Ion:	56	Resp:	2802
Ion	Ratio	Lower	Upper
56	100		
69	134.2	25.3	37.9#
84	85.5	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 52.947 ug/l

RT: 5.971 min Scan# 801

Delta R.T. -0.000 min

Lab File: VX024230.D

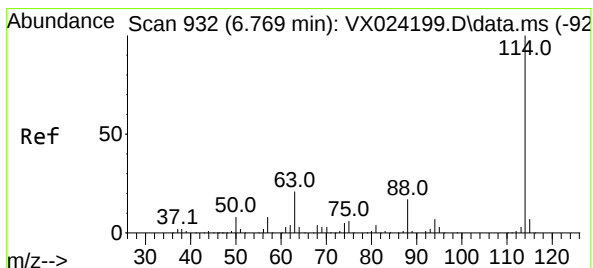
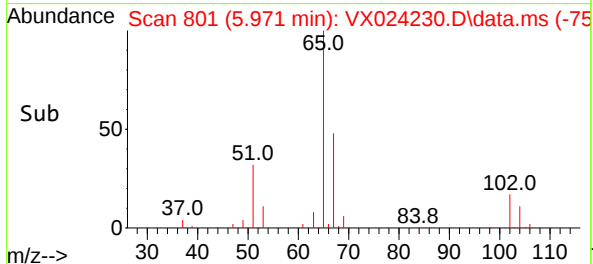
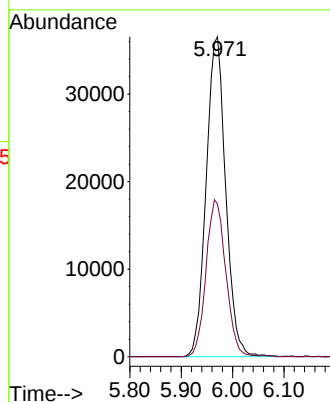
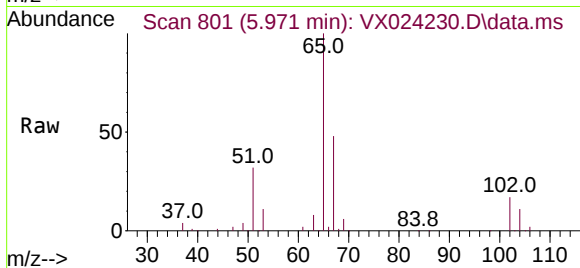
Acq: 15 Sep 2021 00:56

Tgt Ion: 65 Resp: 96290

Ion Ratio Lower Upper

65 100

67 49.7 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: VX024230.D

Acq: 15 Sep 2021 00:56

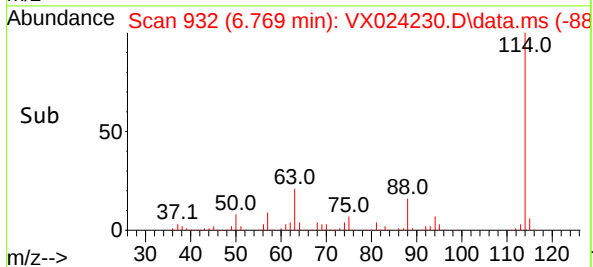
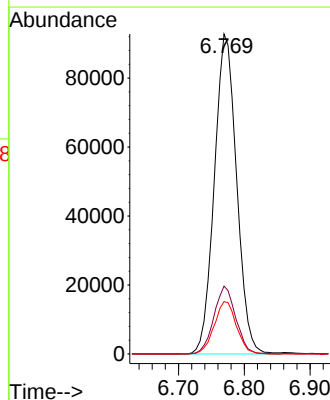
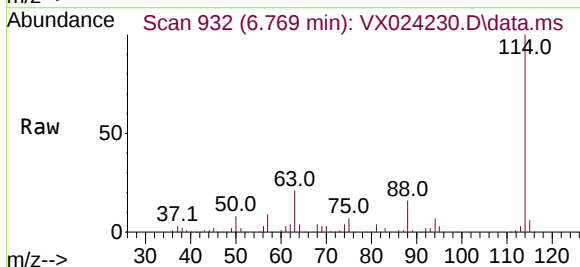
Tgt Ion: 114 Resp: 218466

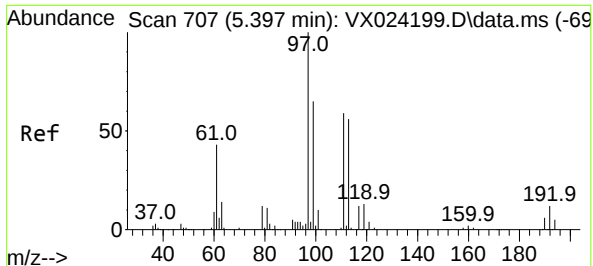
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.414 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024230.D

Acq: 15 Sep 2021 00:56

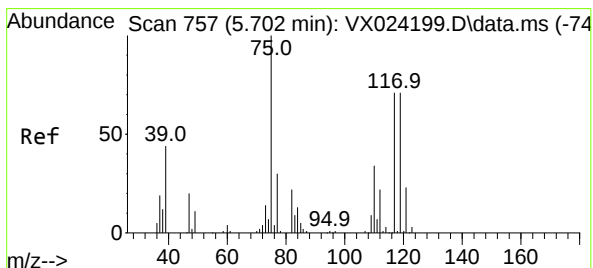
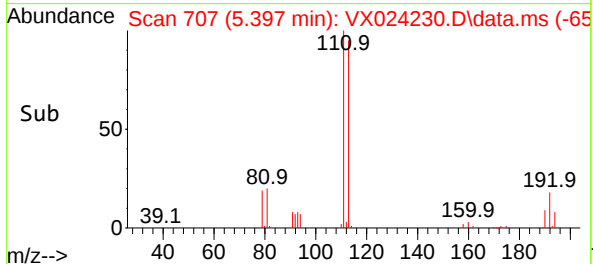
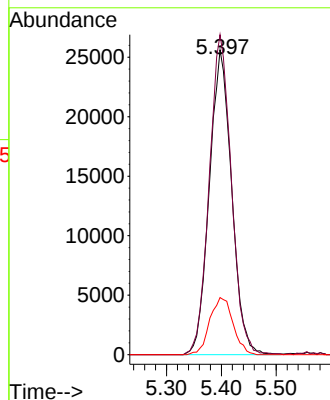
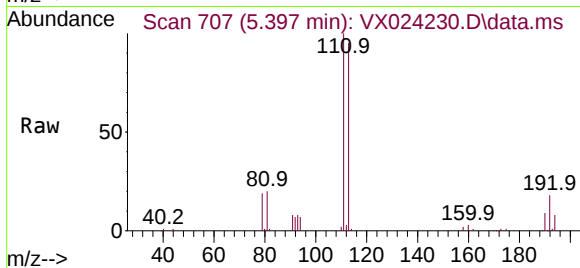
Tgt Ion:113 Resp: 72398

Ion Ratio Lower Upper

113 100

111 104.1 81.9 122.9

192 19.5 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.918 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX024230.D

Acq: 15 Sep 2021 00:56

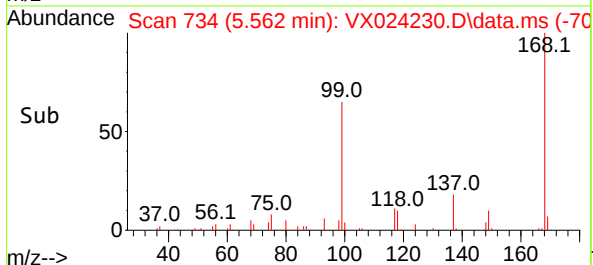
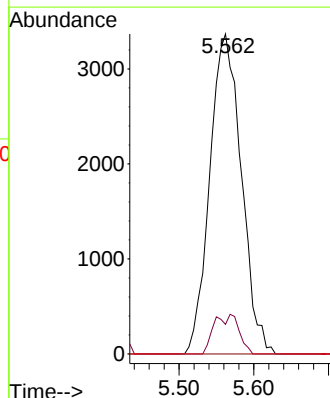
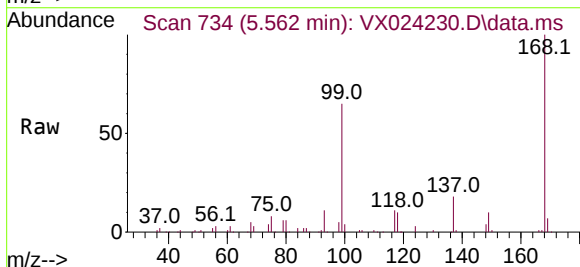
Tgt Ion: 75 Resp: 9879

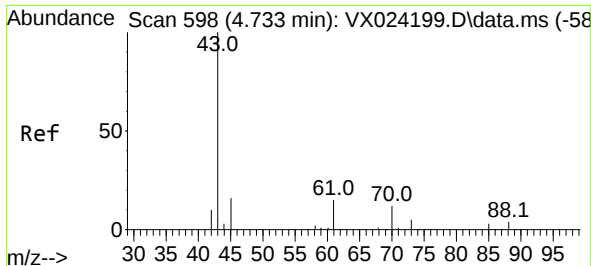
Ion Ratio Lower Upper

75 100

110 5.2 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 2.212 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.159 min

Lab File: VX024230.D

Acq: 15 Sep 2021 00:56

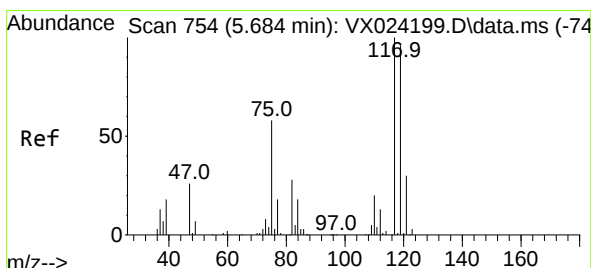
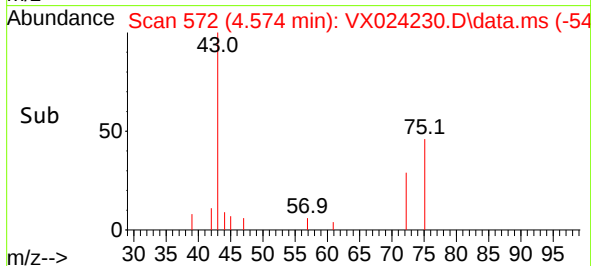
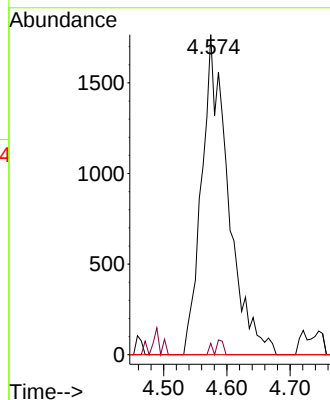
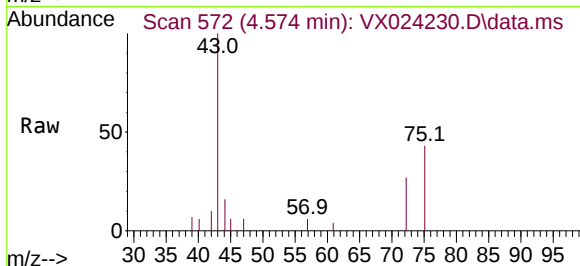
Instrument :

MSVOA_X

ClientSampleId :

PB139075ZHE#03

Tgt Ion:	43	Resp:	5176
Ion	Ratio	Lower	Upper
43	100		
61	1.5	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 5.871 ug/l

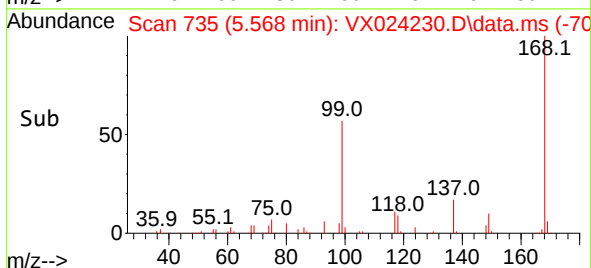
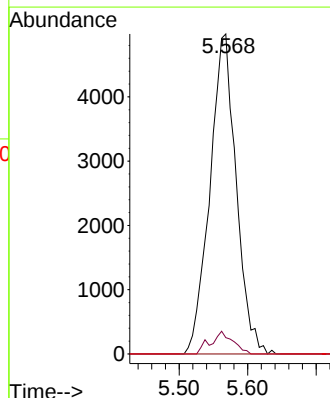
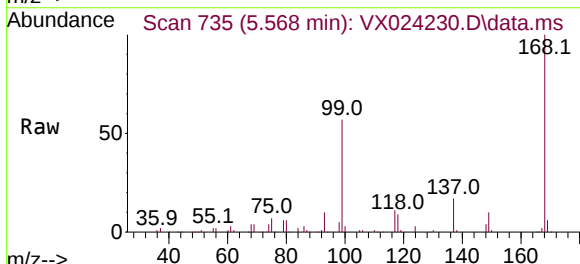
RT: 5.568 min Scan# 735

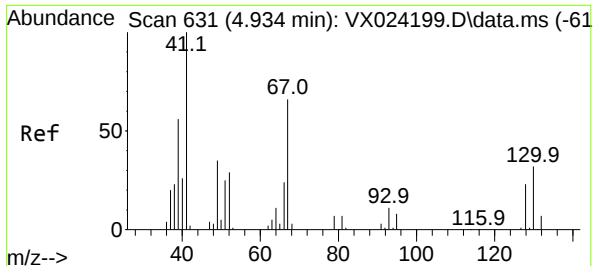
Delta R.T. -0.116 min

Lab File: VX024230.D

Acq: 15 Sep 2021 00:56

Tgt Ion:	117	Resp:	13272
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.2	114.2#
121	0.0	24.8	37.2#

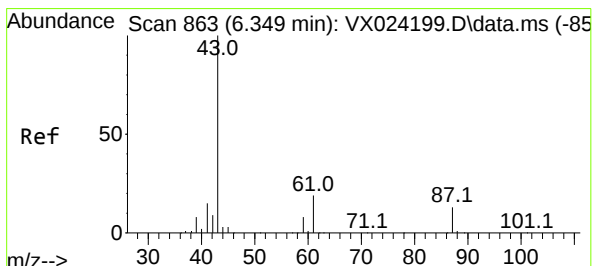
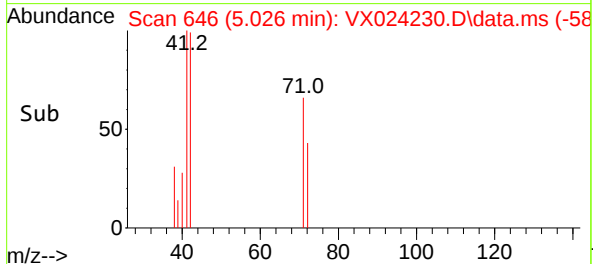
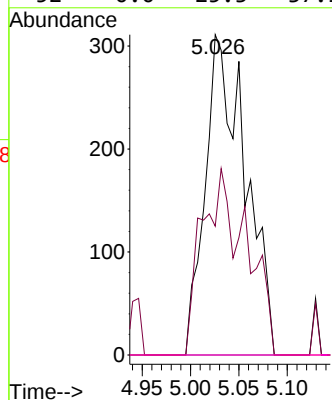
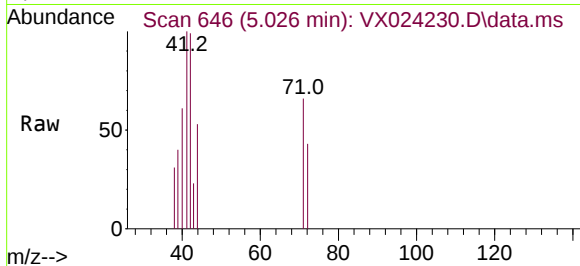




#41
Methacrylonitrile
Concen: 0.718 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.092 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

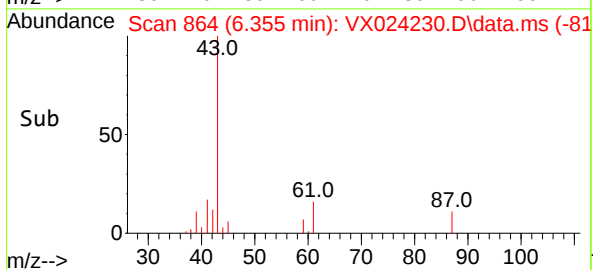
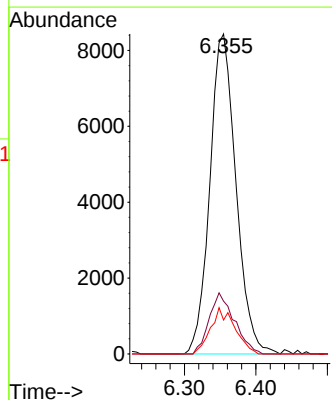
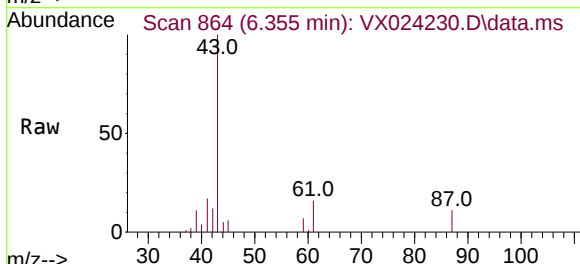
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#03

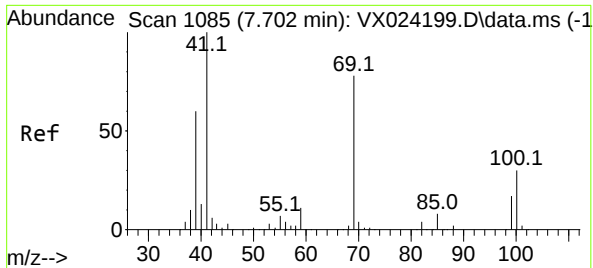
Tgt Ion: 41	Resp:	896
Ion	Ratio	Lower Upper
41	100	
39	64.6	42.5 63.7#
67	0.0	65.0 97.6#
52	0.0	25.3 37.9#



#43
Isopropyl Acetate
Concen: 5.751 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

Tgt Ion: 43	Resp:	21424
Ion	Ratio	Lower Upper
43	100	
61	18.5	18.2 27.4
87	13.5	12.5 18.7

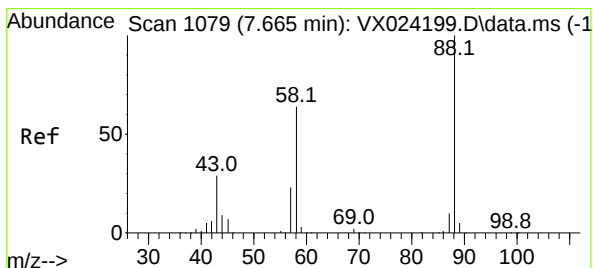
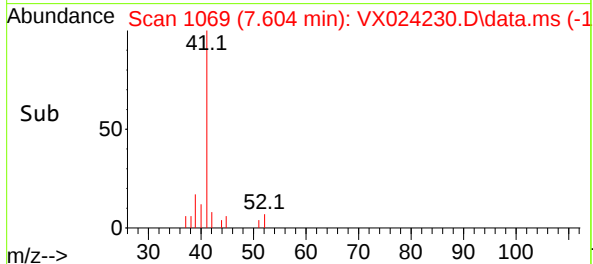
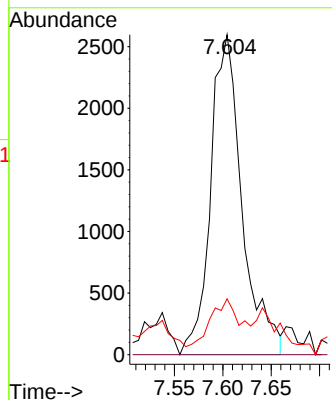
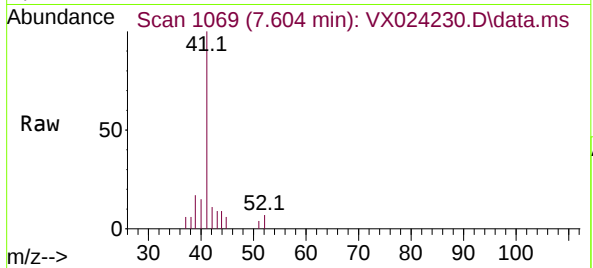




#48
Methyl methacrylate
Concen: 3.157 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

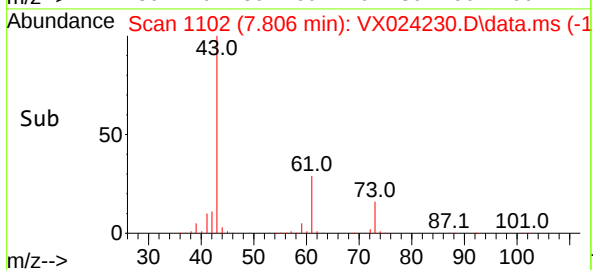
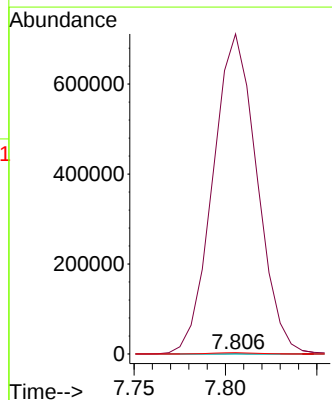
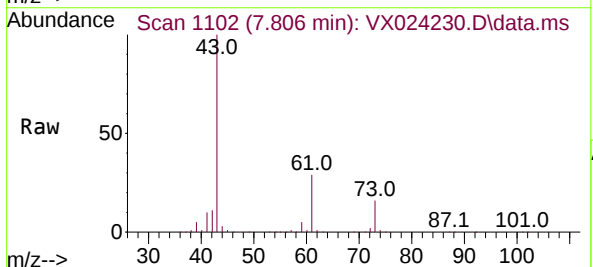
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#03

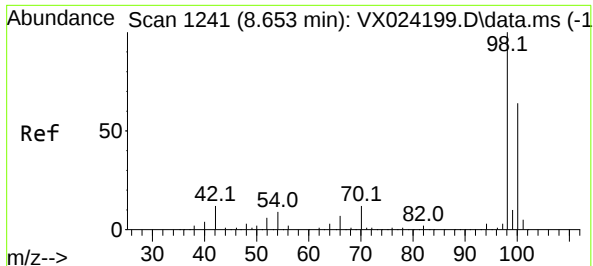
Tgt Ion: 41 Resp: 5869
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 6.038 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.141 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

Tgt Ion: 88 Resp: 235
Ion Ratio Lower Upper
88 100
43 512089.8 23.2 34.8#
58 2077.9 55.0 82.4#





#50

Toluene-d8

Concen: 51.992 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024230.D

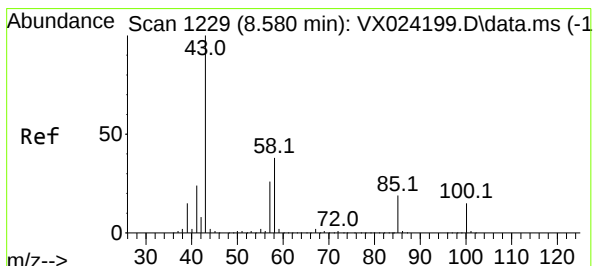
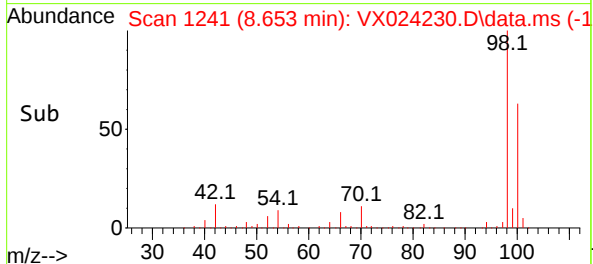
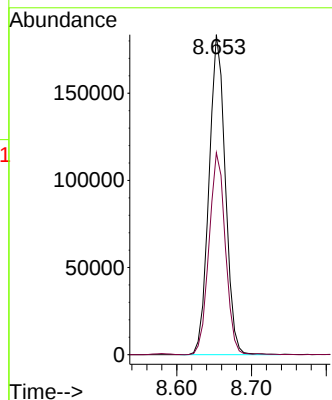
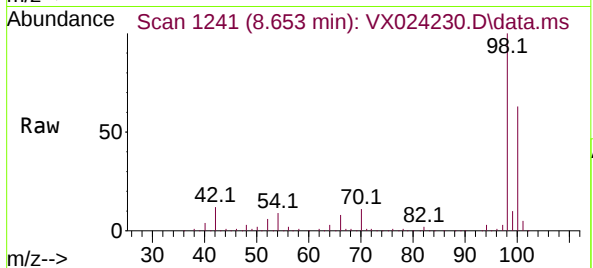
Acq: 15 Sep 2021 00:56

Tgt Ion: 98 Resp: 277502

Ion Ratio Lower Upper

98 100

100 63.2 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 36.237 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.025 min

Lab File: VX024230.D

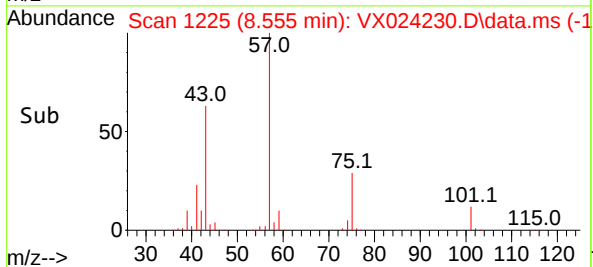
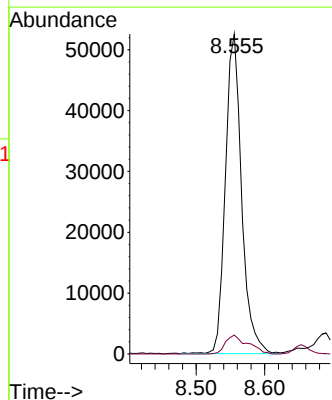
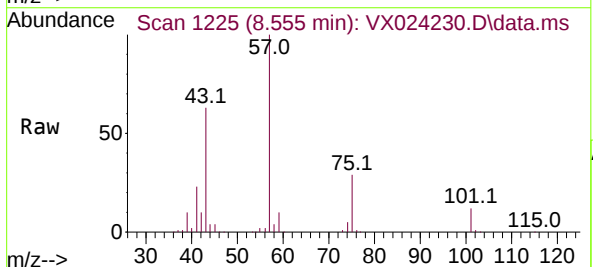
Acq: 15 Sep 2021 00:56

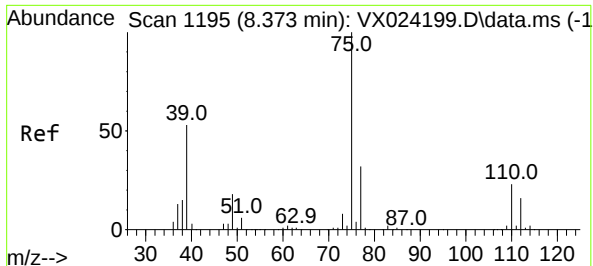
Tgt Ion: 43 Resp: 86029

Ion Ratio Lower Upper

43 100

58 8.2 35.4 53.0#

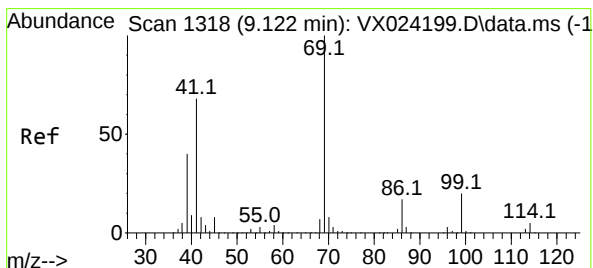
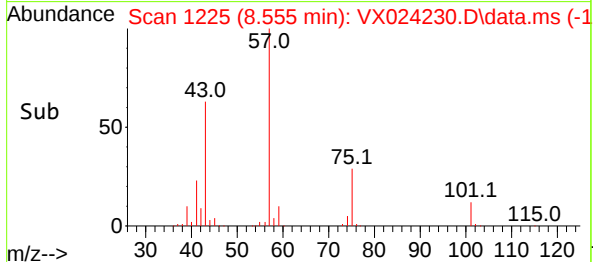
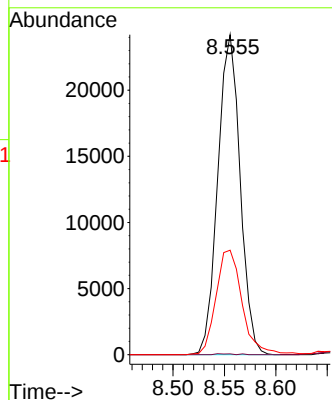
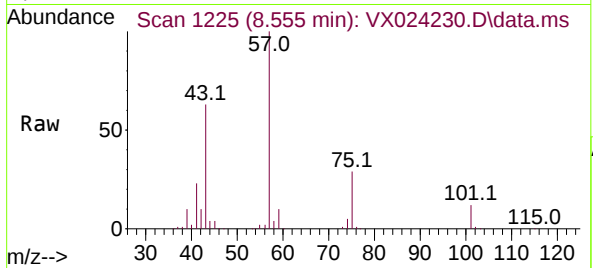




#54
cis-1,3-Dichloropropene
Concen: 15.019 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

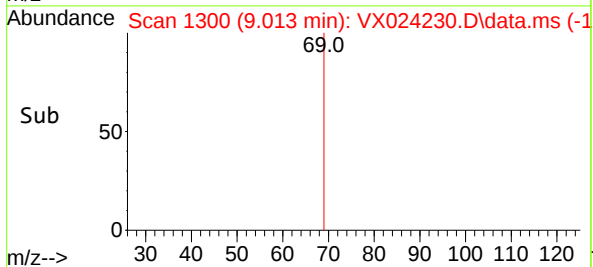
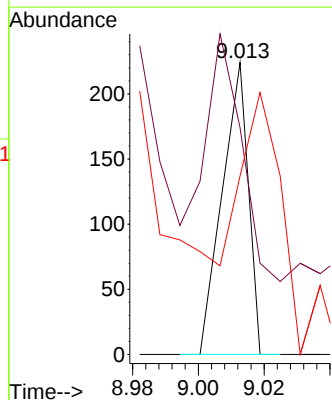
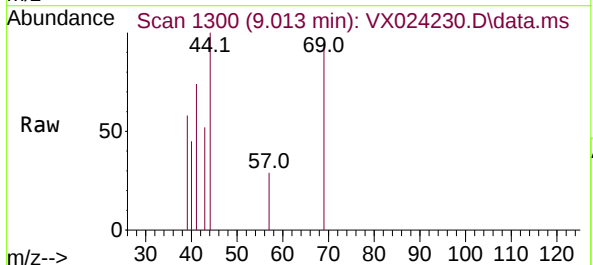
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#03

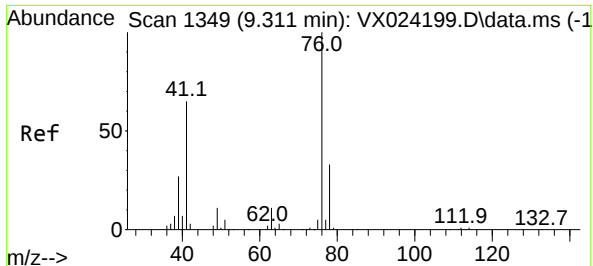
Tgt Ion: 75 Resp: 36477
Ion Ratio Lower Upper
75 100
77 0.3 25.7 38.5#
39 32.6 35.1 52.7#



#56
Ethyl methacrylate
Concen: 1.407 ug/l
RT: 9.013 min Scan# 1300
Delta R.T. -0.109 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

Tgt Ion: 69 Resp: 123
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#

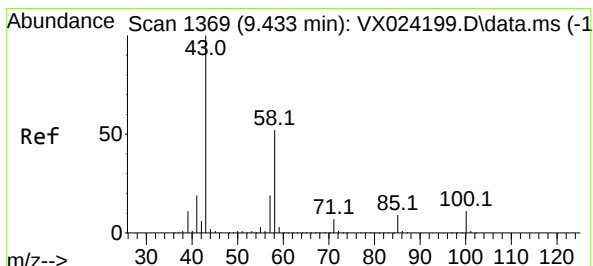
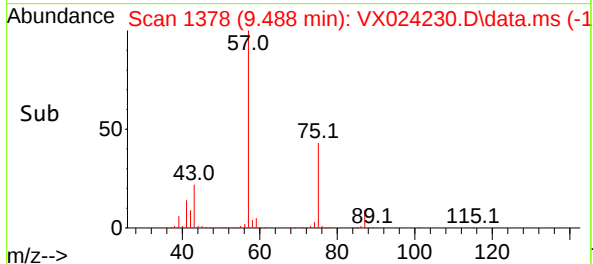
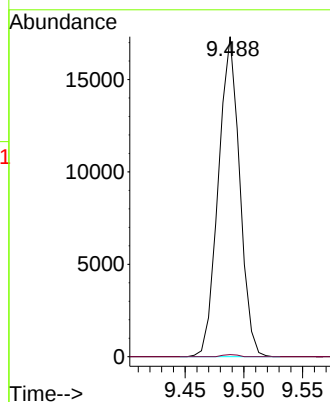
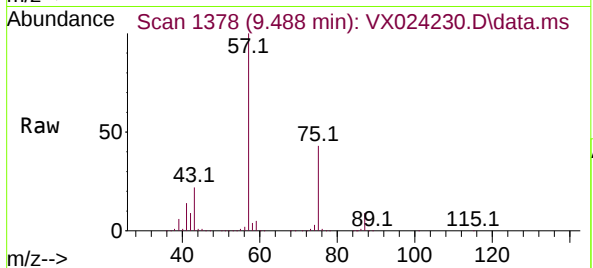




#57
1,3-Dichloropropane
Concen: 8.350 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

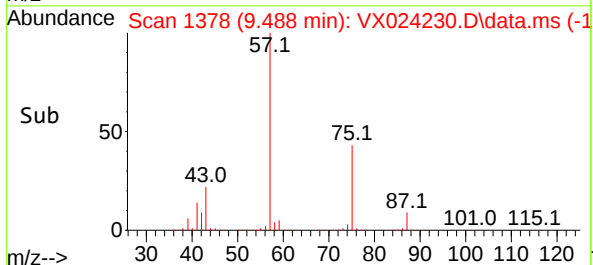
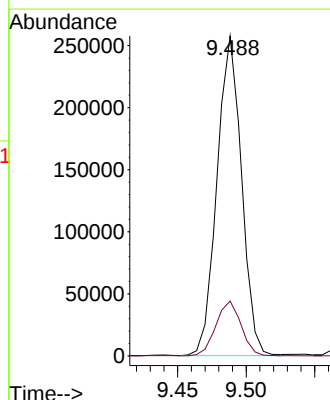
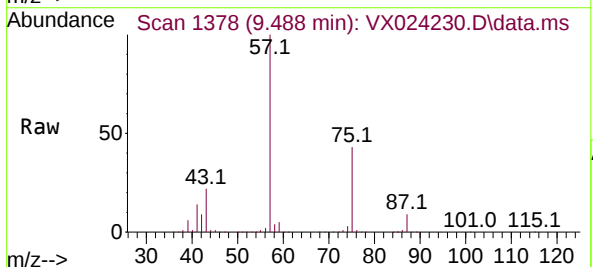
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#03

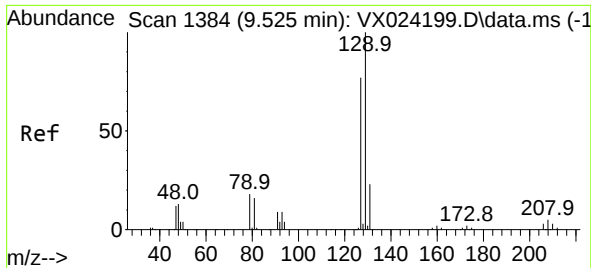
Tgt Ion: 76 Resp: 21866
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#



#59
2-Hexanone
Concen: 173.227 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

Tgt Ion: 43 Resp: 320444
Ion Ratio Lower Upper
43 100
58 17.6 30.9 92.8#

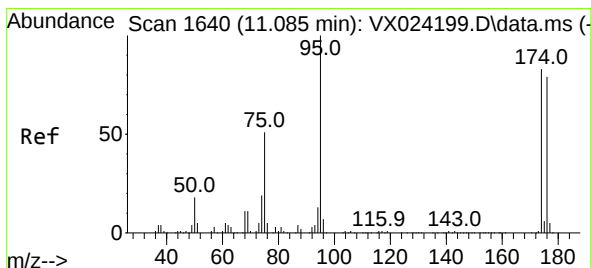
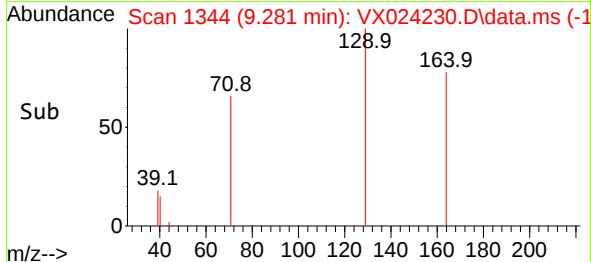
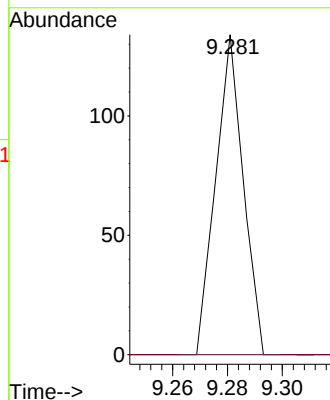
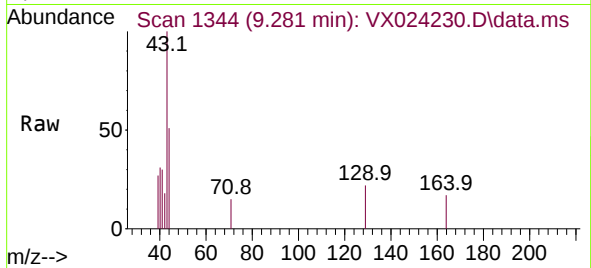




#60
Dibromochloromethane
Concen: 1.775 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

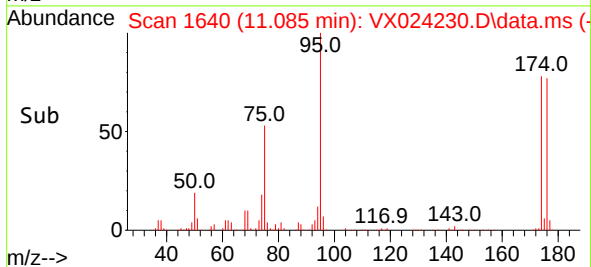
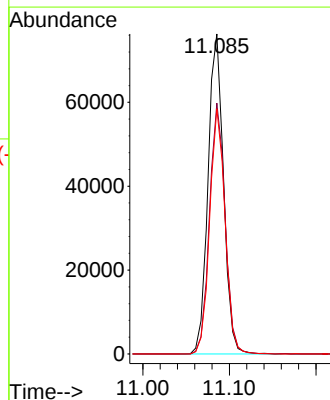
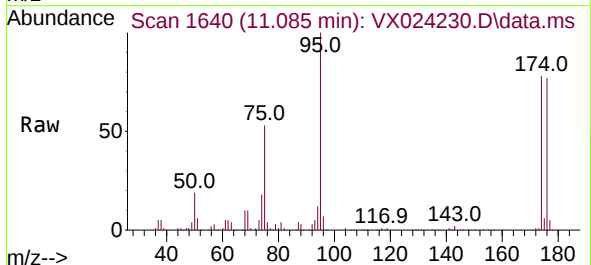
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#03

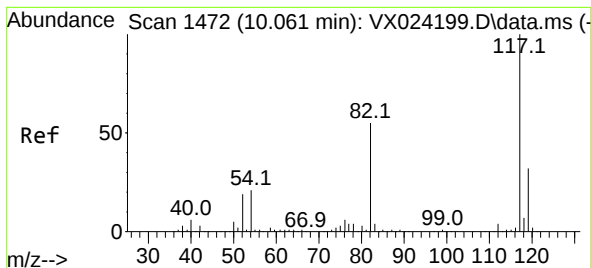
Tgt Ion:129 Resp: 93
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.586 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

Tgt Ion: 95 Resp: 94689
Ion Ratio Lower Upper
95 100
174 79.3 0.0 154.6
176 76.0 0.0 155.8

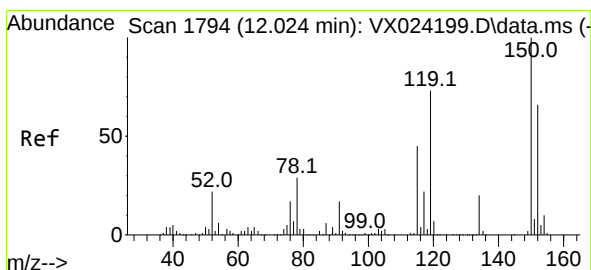
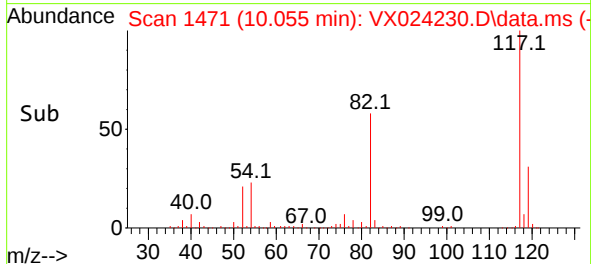
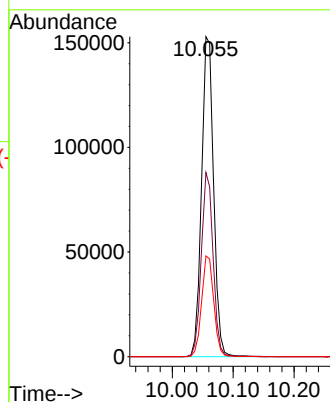
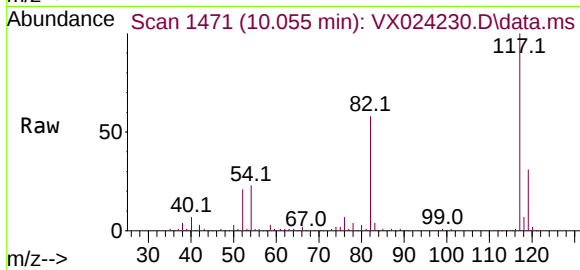




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

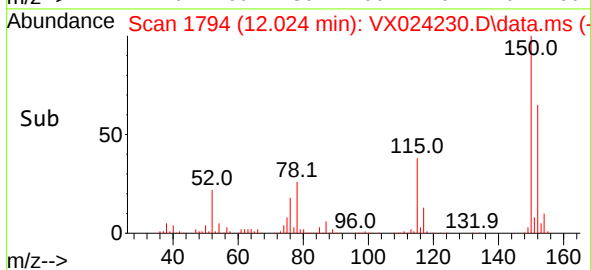
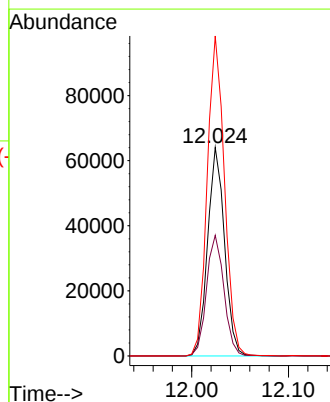
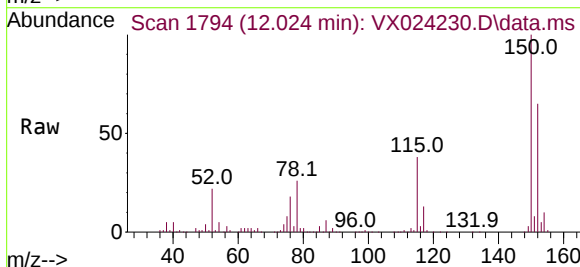
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#03

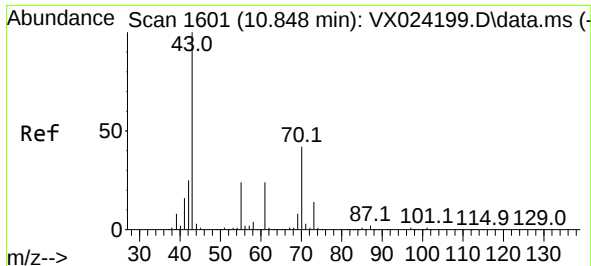
Tgt Ion:117 Resp: 209441
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.2
119 31.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

Tgt Ion:152 Resp: 77993
Ion Ratio Lower Upper
152 100
115 59.8 41.1 123.3
150 156.4 0.0 349.0

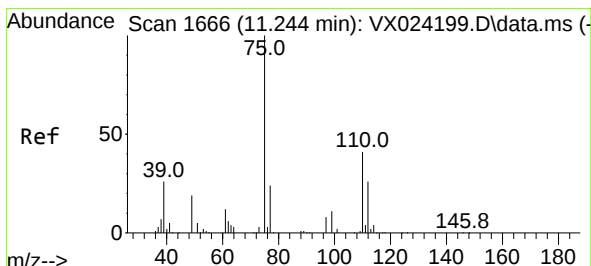
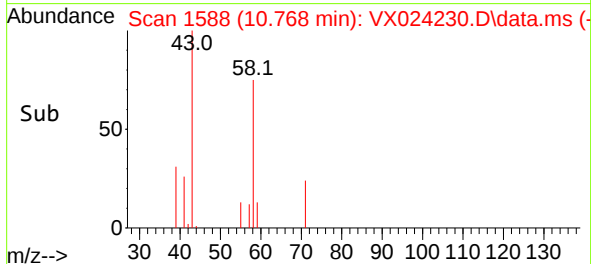
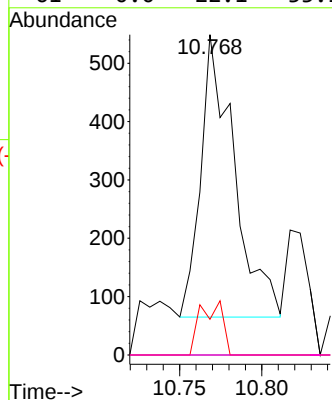
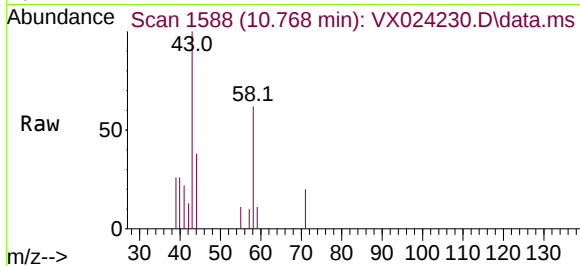




#74
N-amy1 acetate
Concen: 0.279 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

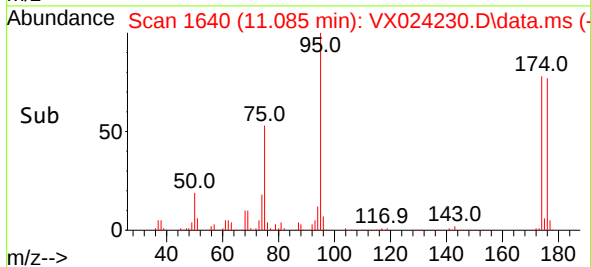
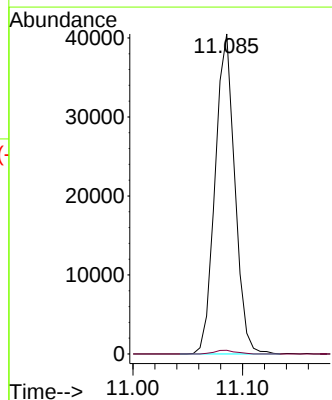
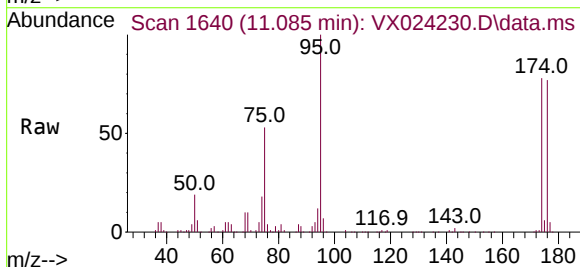
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#03

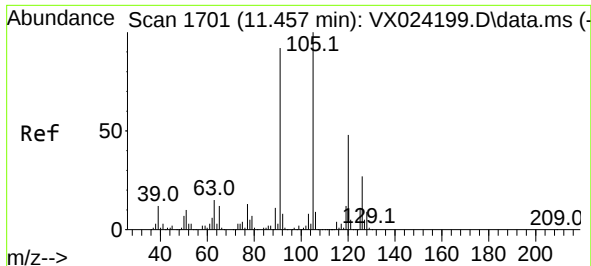
Tgt Ion: 43	Resp: 683
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.6#
55 12.9	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 28.243 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

Tgt Ion: 75	Resp: 50651
Ion Ratio	Lower Upper
75 100	
77 1.3	19.1 57.5#

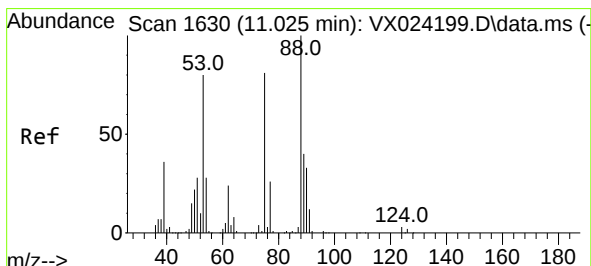
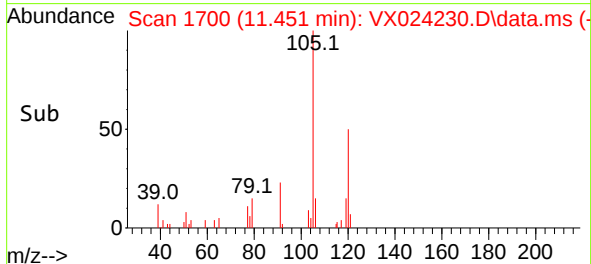
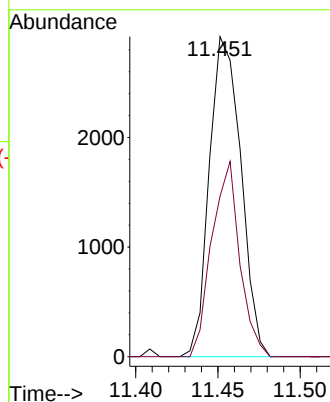
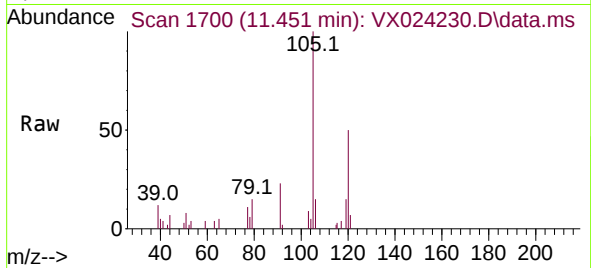




#80
1,3,5-Trimethylbenzene
Concen: 0.796 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

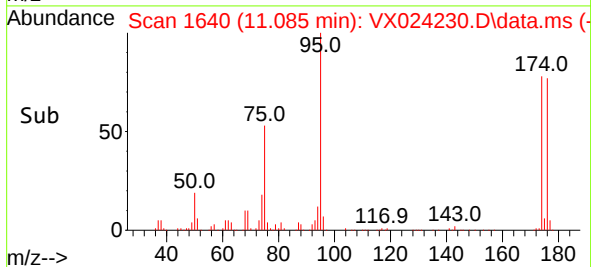
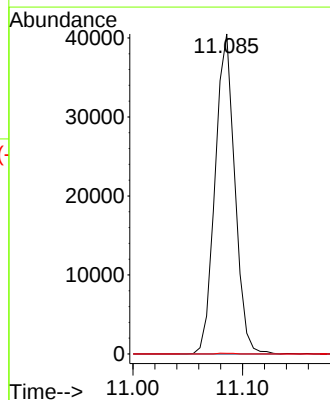
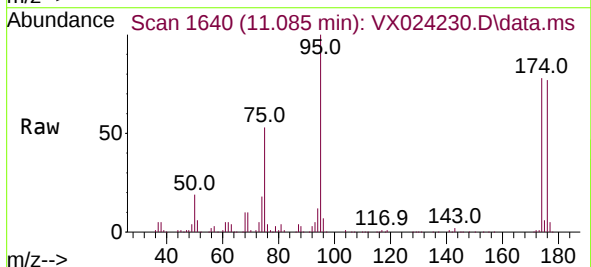
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#03

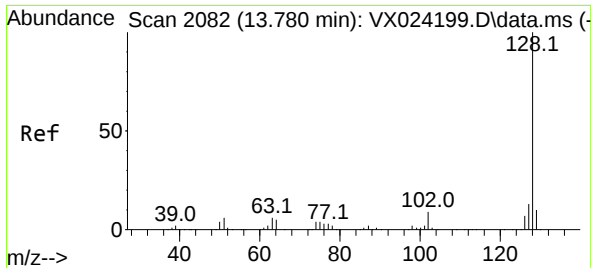
Tgt Ion:105 Resp: 3896
Ion Ratio Lower Upper
105 100
120 54.0 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 83.064 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

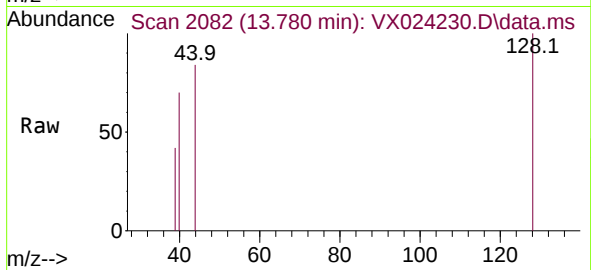
Tgt Ion: 75 Resp: 50651
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.2 37.9 56.9#





#95
Naphthalene
Concen: 1.325 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024230.D
Acq: 15 Sep 2021 00:56

Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#03



Tgt Ion:128 Resp: 216
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

