

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062521\
 Data File : VX022955.D
 Acq On : 26 Jun 2021 05:00
 Operator : JC/MD
 Sample : PB137293ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137293ZHE#11

Quant Time: Jun 26 07:37:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

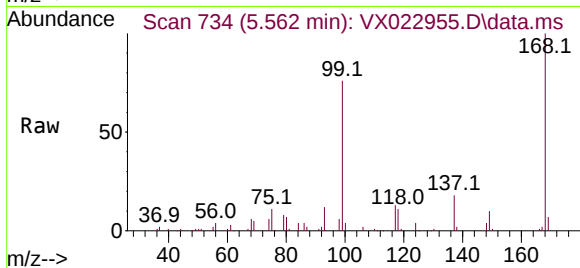
Internal Standards						
1) Pentafluorobenzene	5.562	168	48722	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.775	114	103123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	101188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42831	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	45401	51.35	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.70%			
35) Dibromofluoromethane	5.397	113	32135	49.07	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.14%			
50) Toluene-d8	8.653	98	135747	52.89	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.78%			
62) 4-Bromofluorobenzene	11.085	95	49165	51.33	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.66%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.952	59	55	0.30	ug/l	# 73
16) Acetone	2.386	43	6151	15.69	ug/l	90
17) Carbon Disulfide	2.520	76	60	3.55	ug/l	# 75
18) Methyl Acetate	2.721	43	421	0.44	ug/l	# 74
20) Methylene Chloride	2.794	84	3930	5.39	ug/l	# 85
25) 2-Butanone	4.574	43	1028	1.69	ug/l	# 72
29) Tetrahydrofuran	5.025	42	195	0.50	ug/l	# 27
31) Cyclohexane	5.562	56	1676	1.34	ug/l	# 49
36) 1,1-Dichloropropene	5.568	75	5254	4.80	ug/l	# 46
37) Ethyl Acetate	4.574	43	1028	0.81	ug/l	# 64
38) Carbon Tetrachloride	5.562	117	6014	6.55	ug/l	# 16
43) Isopropyl Acetate	6.354	43	9904	4.86	ug/l	# 93
48) Methyl methacrylate	7.805	41	57903	61.33	ug/l	# 38
49) 1,4-Dioxane	7.805	88	87	4.28	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	38635	30.43	ug/l	# 44
54) cis-1,3-Dichloropropene	8.555	75	16455	13.85	ug/l	# 70
56) Ethyl methacrylate	9.354	69	428	2.87	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	9938	7.14	ug/l	# 42
59) 2-Hexanone	9.488	43	145823	151.40	ug/l	# 43
74) N-amyl acetate	10.768	43	258	2.18	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	27699	24.48	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.457	105	1425	0.48	ug/l	# 93
81) trans-1,4-Dichloro-2-b...	11.085	75	27699	64.03	ug/l	# 12
95) Naphthalene	13.780	128	44	1.93	ug/l	# 69

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

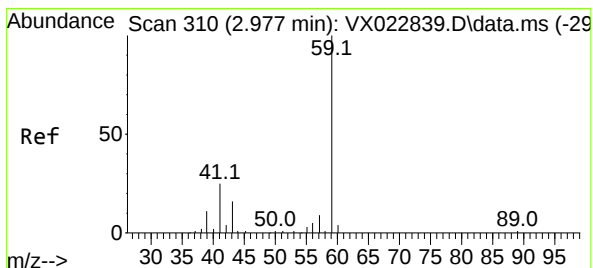
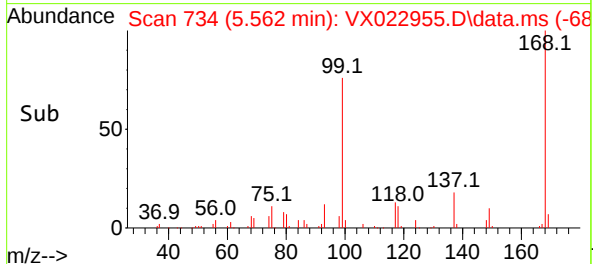
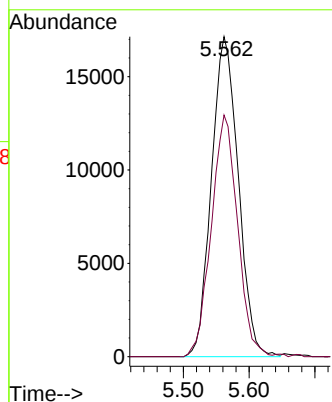


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

Instrument :
MSVOA_X
ClientSampleId :
PB137293ZHE#11

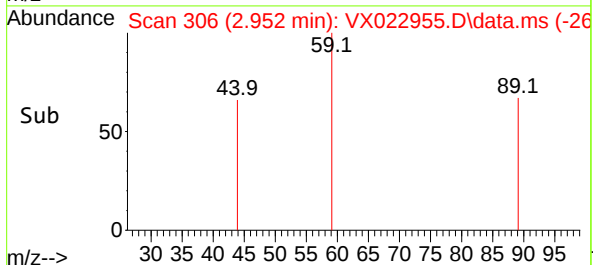
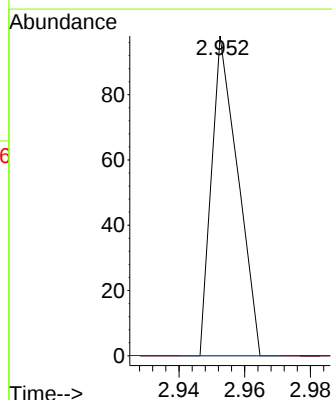
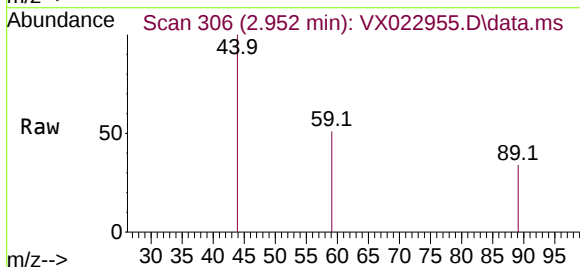


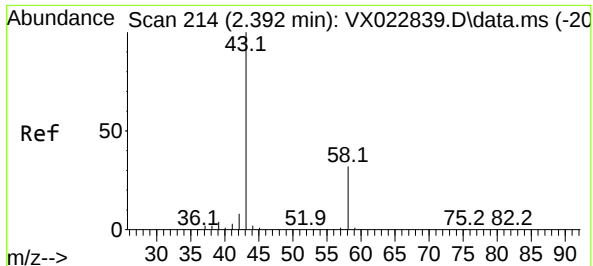
Tgt Ion:168 Resp: 48722
Ion Ratio Lower Upper
168 100
99 75.5 45.8 68.6#



#11
Tert butyl alcohol
Concen: 0.30 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.025 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

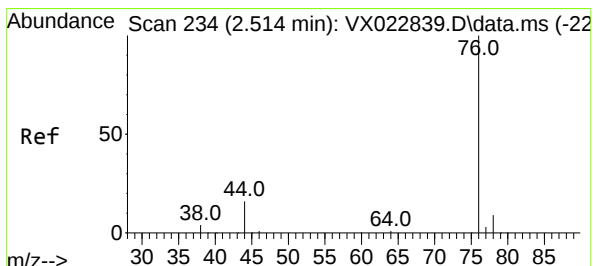
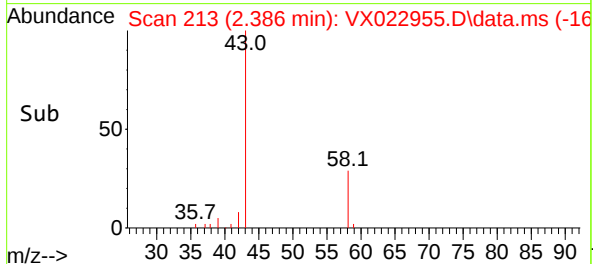
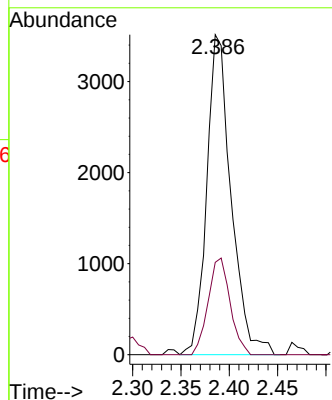
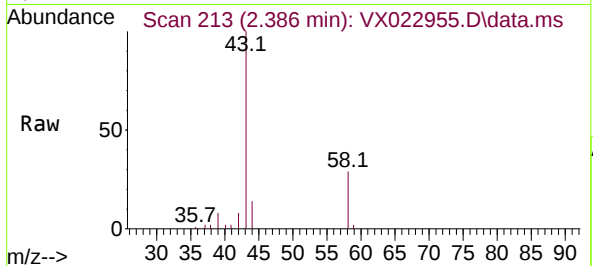




#16
Acetone
Concen: 15.69 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

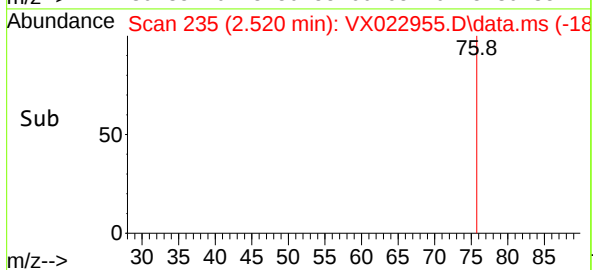
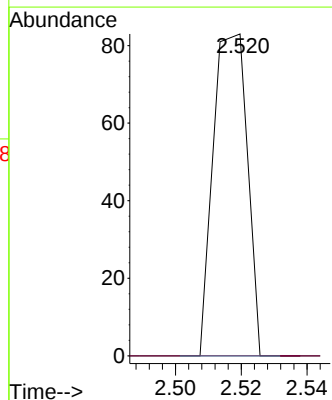
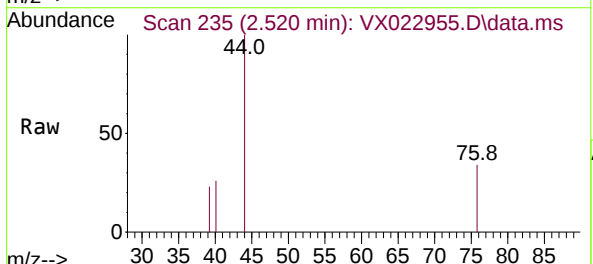
Instrument :
MSVOA_X
ClientSampleId :
PB137293ZHE#11

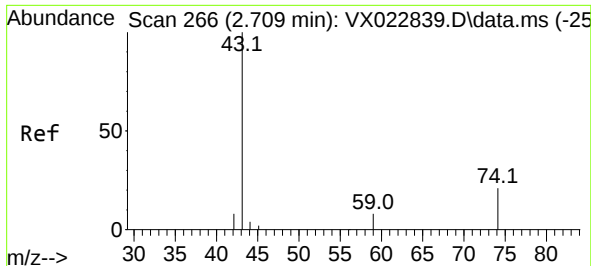
Tgt Ion: 43 Resp: 6151
Ion Ratio Lower Upper
43 100
58 28.9 27.8 41.8



#17
Carbon Disulfide
Concen: 3.55 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

Tgt Ion: 76 Resp: 60
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

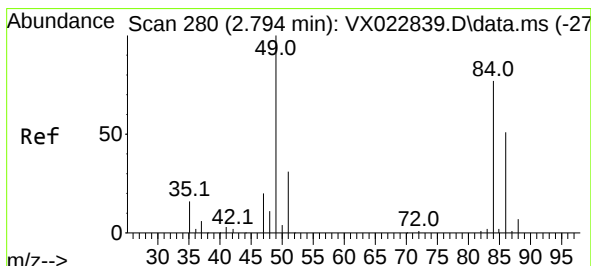
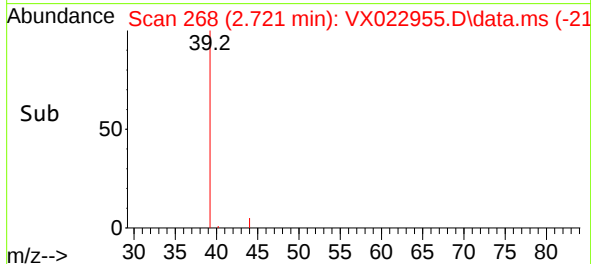
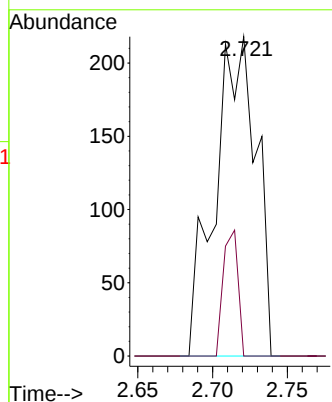
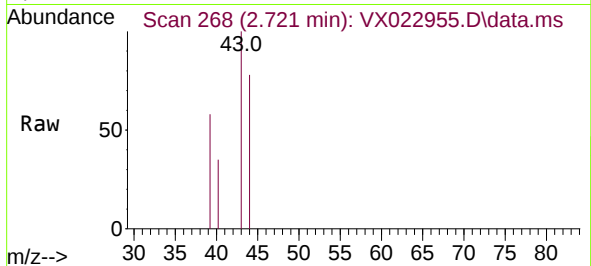




#18
Methyl Acetate
Concen: 0.44 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

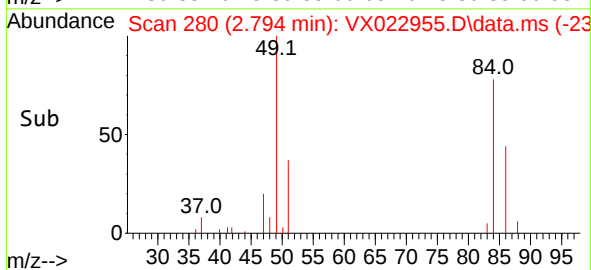
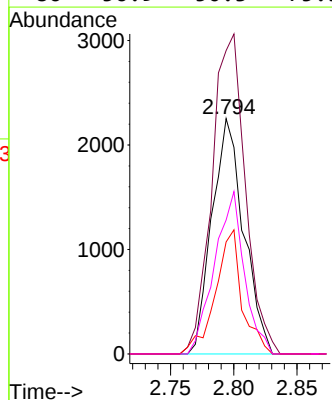
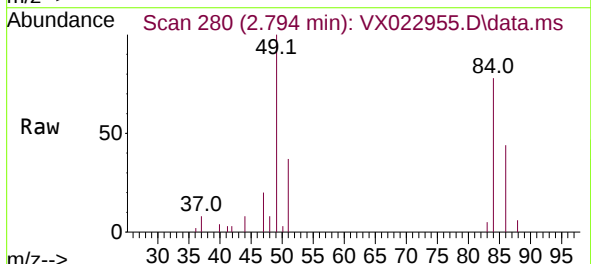
Instrument :
MSVOA_X
ClientSampleId :
PB137293ZHE#11

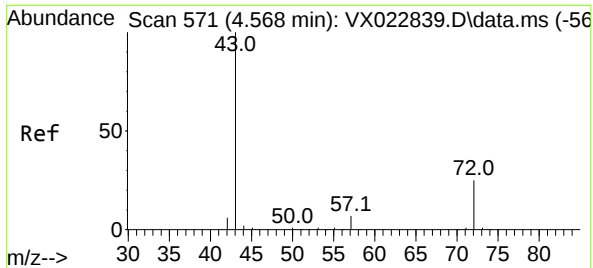
Tgt Ion: 43 Resp: 421
Ion Ratio Lower Upper
43 100
74 14.0 21.9 32.9#



#20
Methylene Chloride
Concen: 5.39 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

Tgt Ion: 84 Resp: 3930
Ion Ratio Lower Upper
84 100
49 128.9 88.6 132.8
51 47.6 27.0 40.6#
86 56.9 50.3 75.5

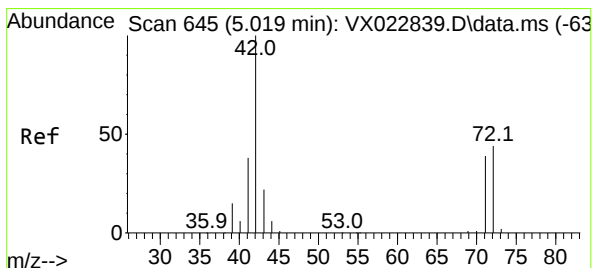
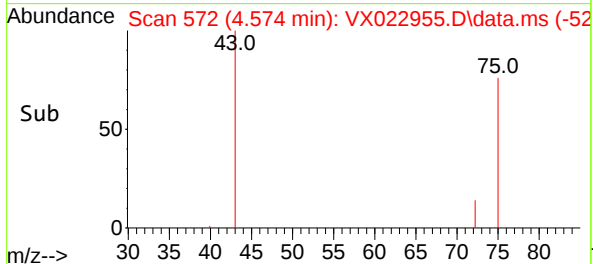
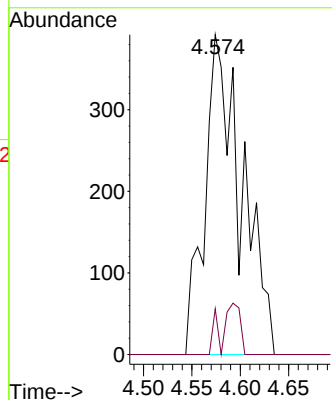
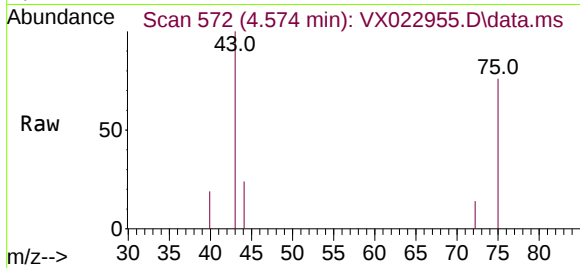




#25
2-Butanone
Concen: 1.69 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

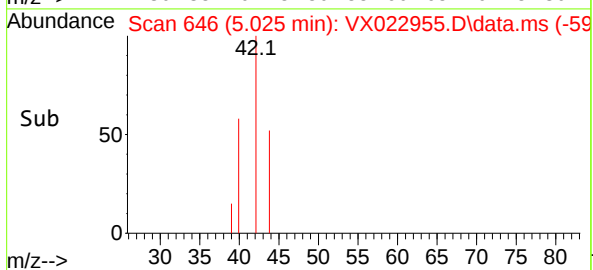
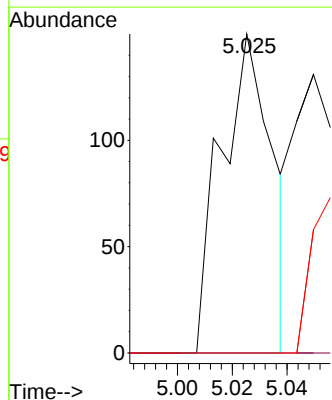
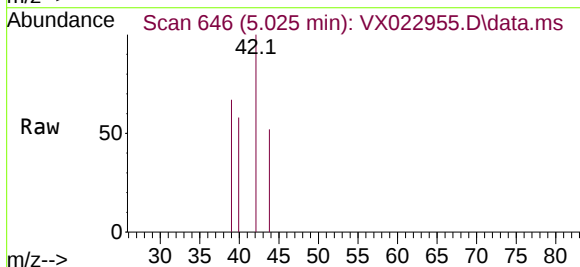
Instrument :
MSVOA_X
ClientSampleId :
PB137293ZHE#11

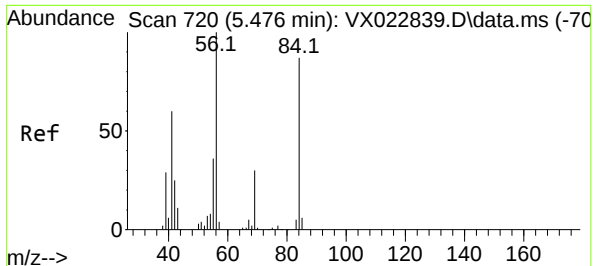
Tgt Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
72 14.3 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.50 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.006 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

Tgt Ion: 42 Resp: 195
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 0.0 38.4 57.6#

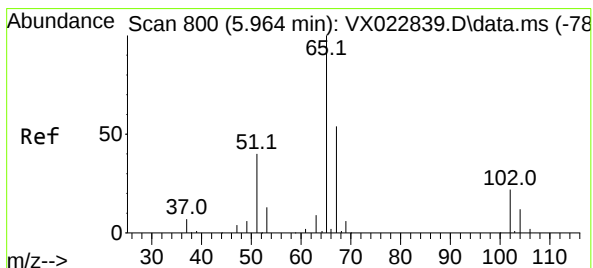
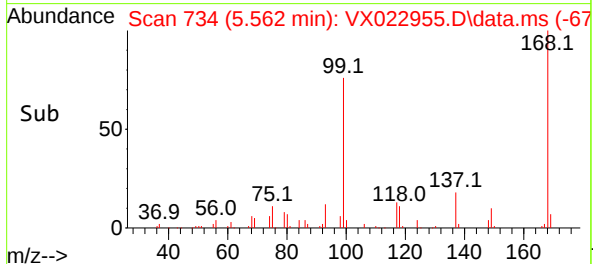
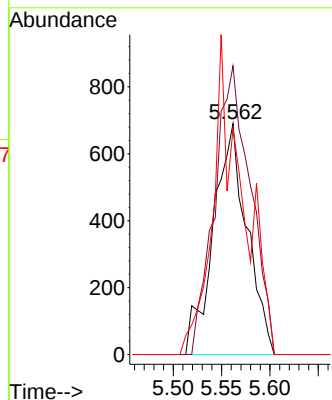
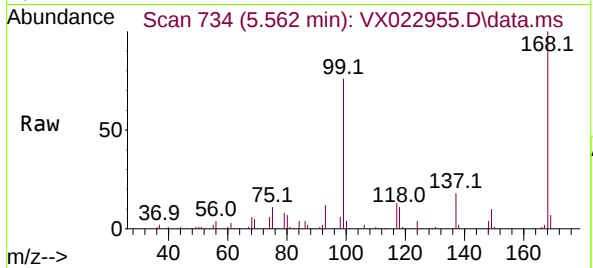




#31
Cyclohexane
Concen: 1.34 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.086 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

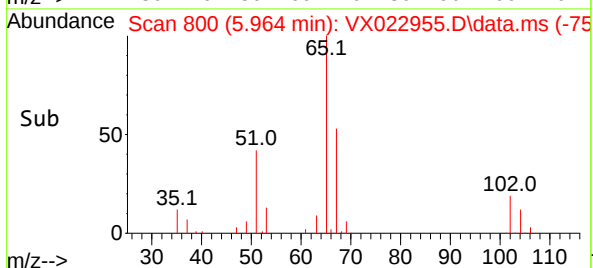
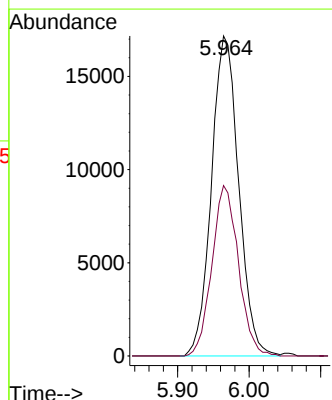
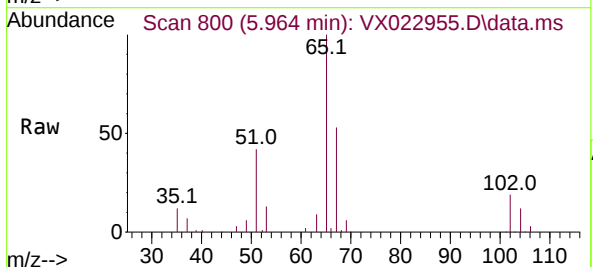
Instrument :
MSVOA_X
ClientSampleId :
PB137293ZHE#11

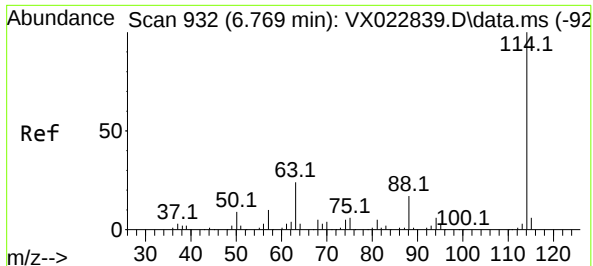
Tgt Ion: 56 Resp: 1676
Ion Ratio Lower Upper
56 100
69 125.1 25.3 37.9#
84 97.7 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 51.35 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

Tgt Ion: 65 Resp: 45401
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.4

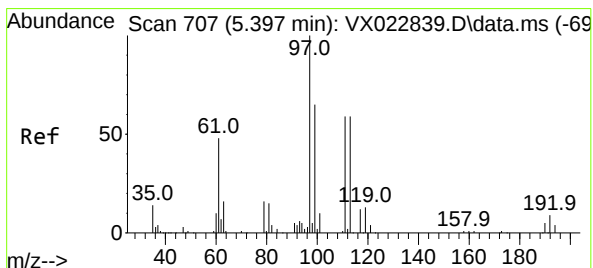
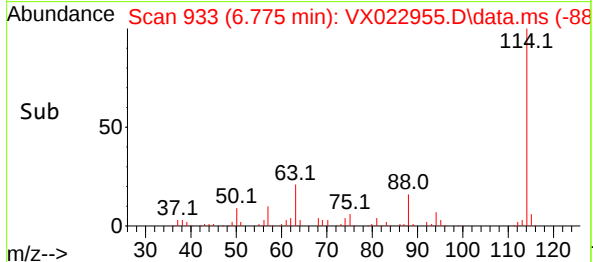
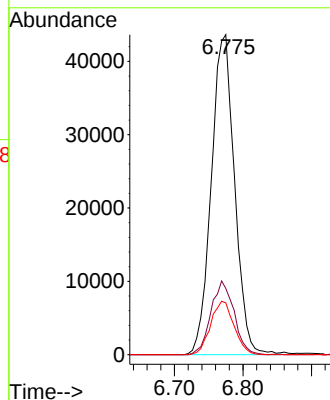
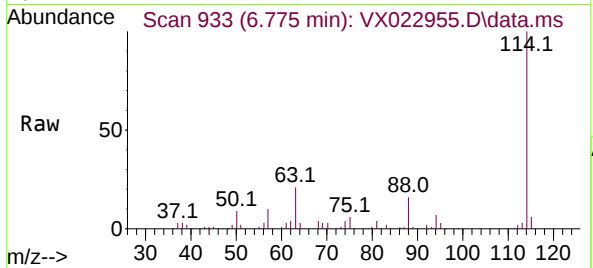




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

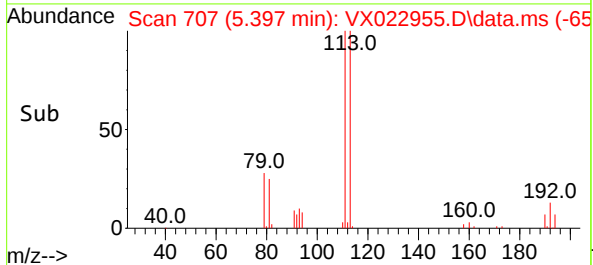
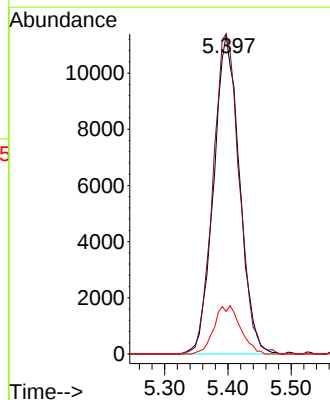
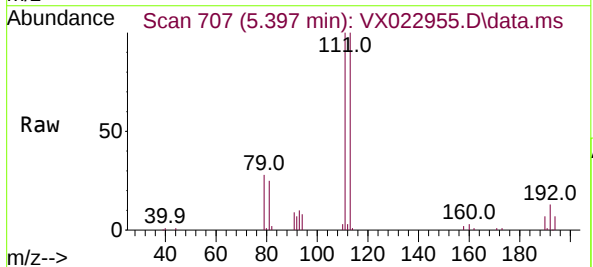
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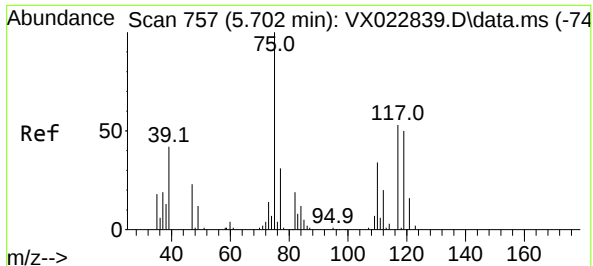
Tgt Ion:114 Resp: 103123
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.07 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

Tgt Ion:113 Resp: 32135
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 15.5 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 4.80 ug/l

RT: 5.568 min Scan# 735

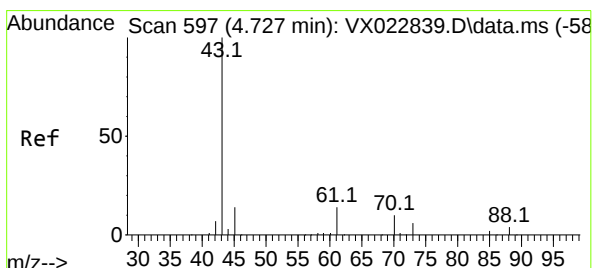
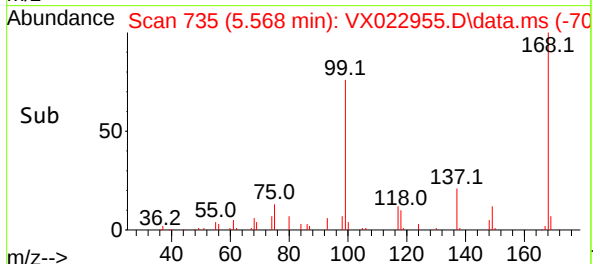
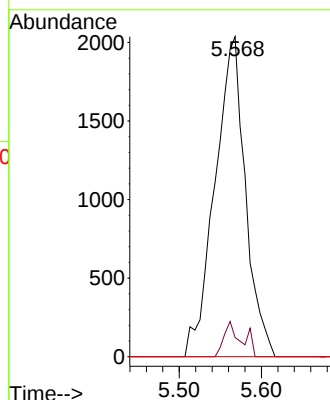
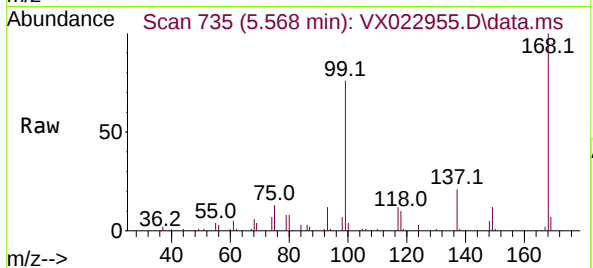
Delta R.T. -0.134 min

Lab File: VX022955.D

Acq: 26 Jun 2021 05:00

Tgt Ion:	75	Resp:	5254
Ion	Ratio	Lower	Upper
75	100		
110	6.3	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :
PB137293ZHE#11



#37

Ethyl Acetate

Concen: 0.81 ug/l

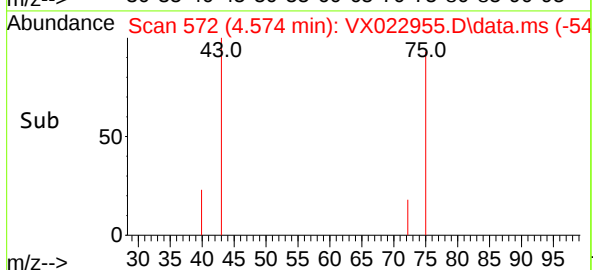
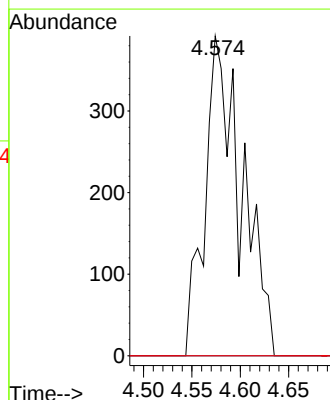
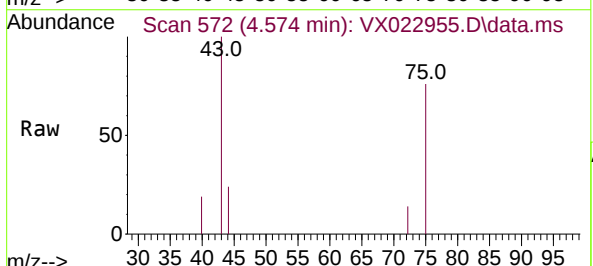
RT: 4.574 min Scan# 572

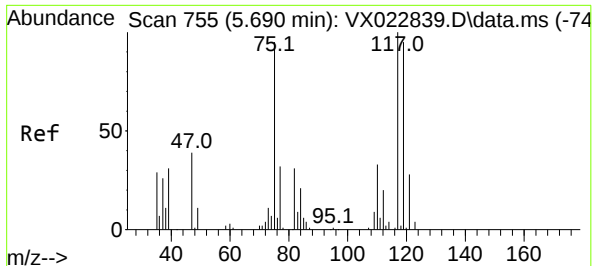
Delta R.T. -0.153 min

Lab File: VX022955.D

Acq: 26 Jun 2021 05:00

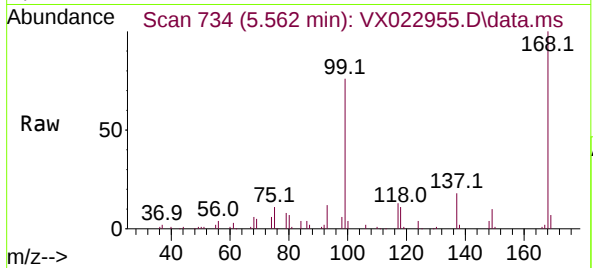
Tgt Ion:	43	Resp:	1028
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



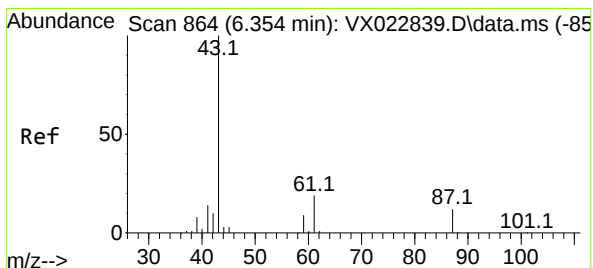
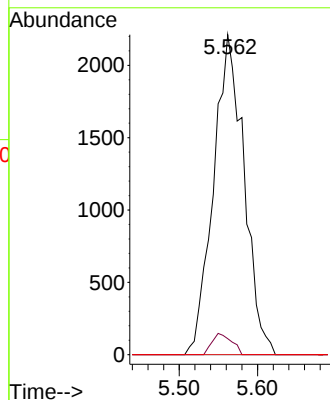
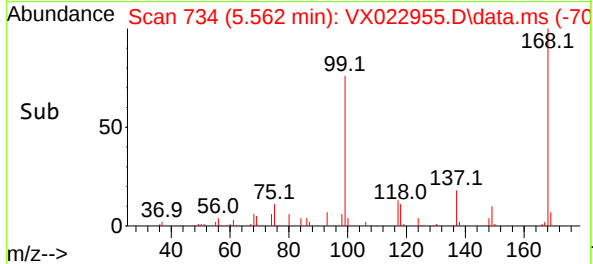


#38
Carbon Tetrachloride
Concen: 6.55 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

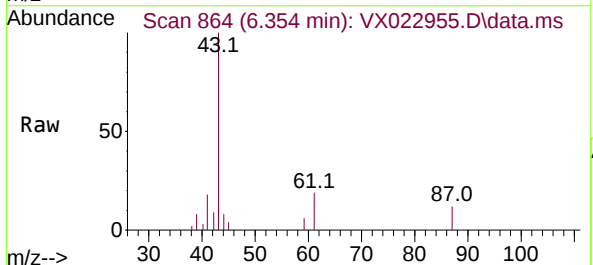
Instrument :
MSVOA_X
ClientSampleId :
PB137293ZHE#11



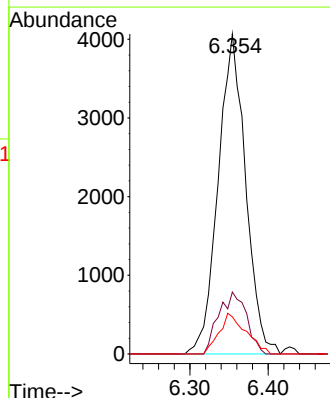
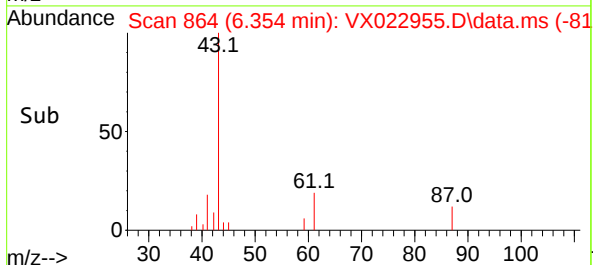
Tgt Ion:117 Resp: 6014
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#

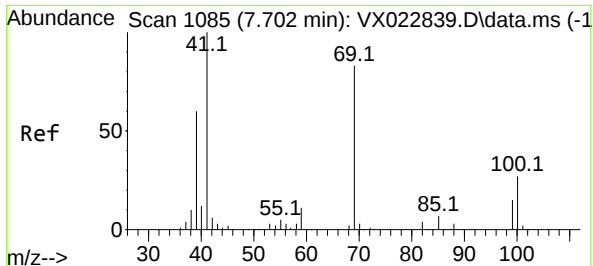


#43
Isopropyl Acetate
Concen: 4.86 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00



Tgt Ion: 43 Resp: 9904
Ion Ratio Lower Upper
43 100
61 19.5 18.2 27.4
87 12.3 12.5 18.7#

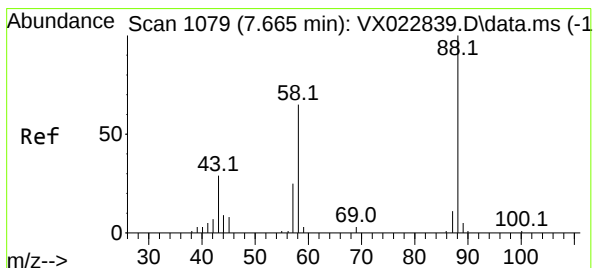
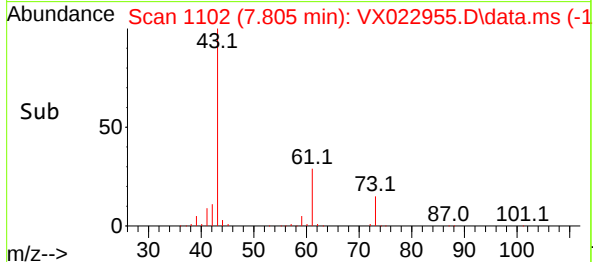
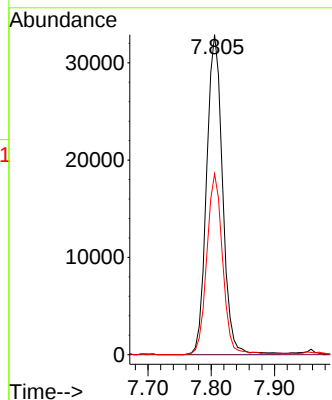
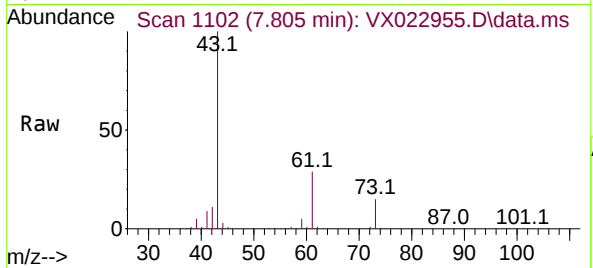




#48
Methyl methacrylate
Concen: 61.33 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

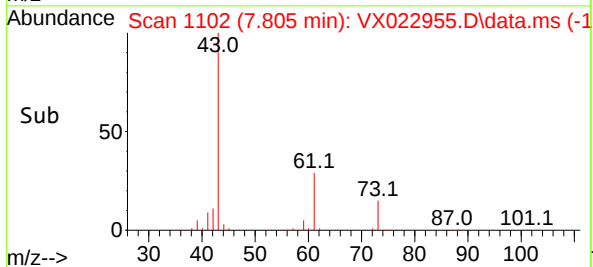
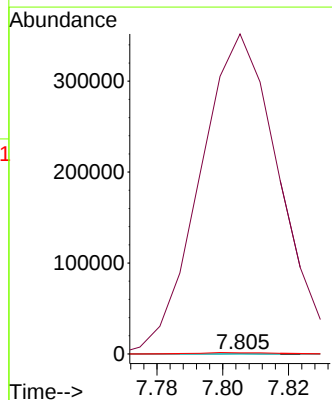
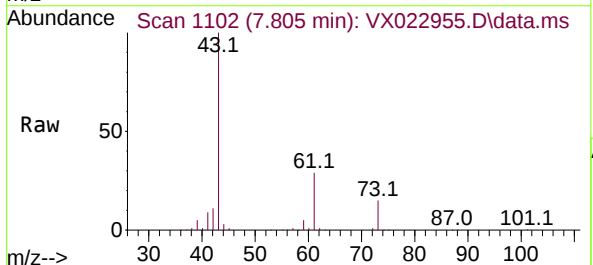
Instrument :
MSVOA_X
ClientSampleId :
PB137293ZHE#11

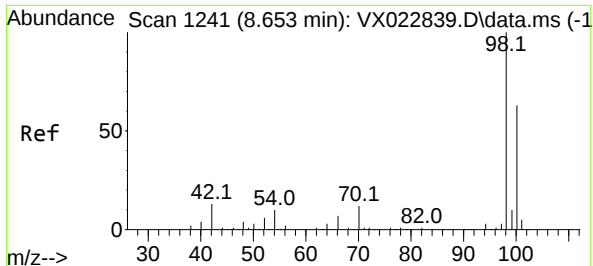
Tgt Ion: 41 Resp: 57903
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 56.1 44.6 67.0



#49
1,4-Dioxane
Concen: 4.28 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

Tgt Ion: 88 Resp: 87
Ion Ratio Lower Upper
88 100
43 693046.0 23.2 34.8#
58 3049.4 55.0 82.4#

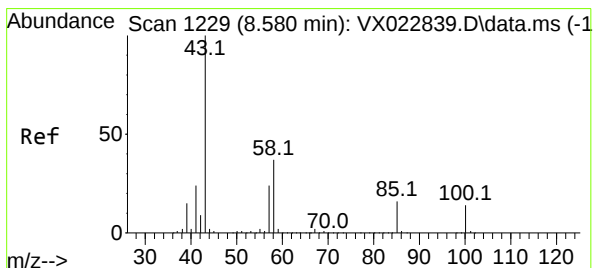
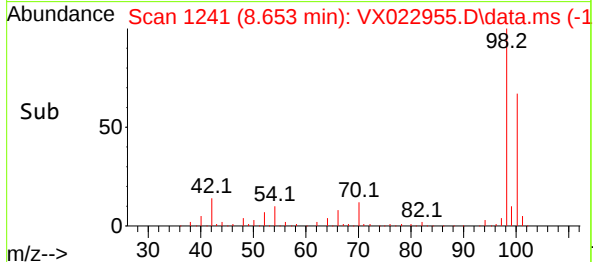
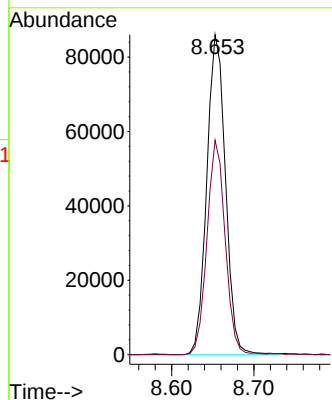
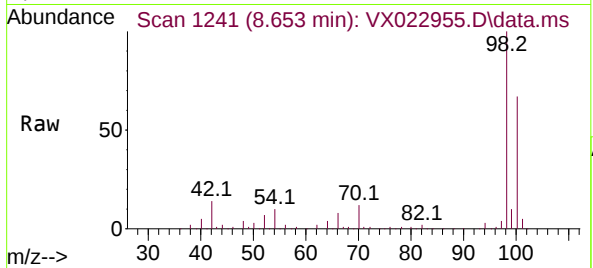




#50
Toluene-d8
Concen: 52.89 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

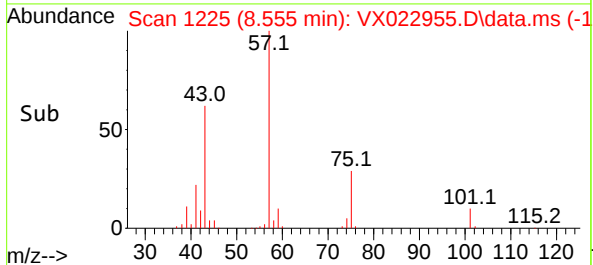
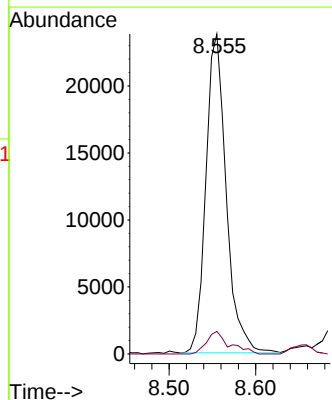
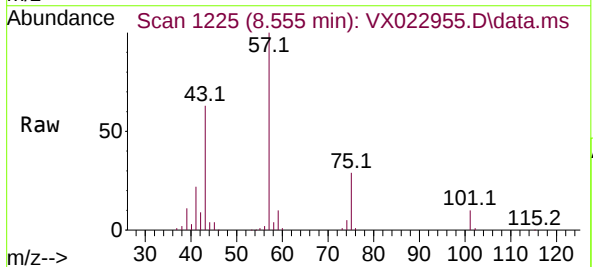
Instrument :
MSVOA_X
ClientSampleId :
PB137293ZHE#11

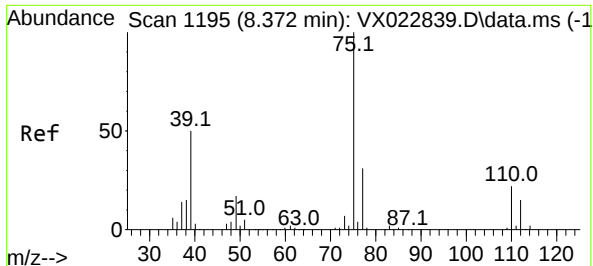
Tgt Ion: 98 Resp: 135747
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 30.43 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

Tgt Ion: 43 Resp: 38635
Ion Ratio Lower Upper
43 100
58 8.0 35.4 53.0#

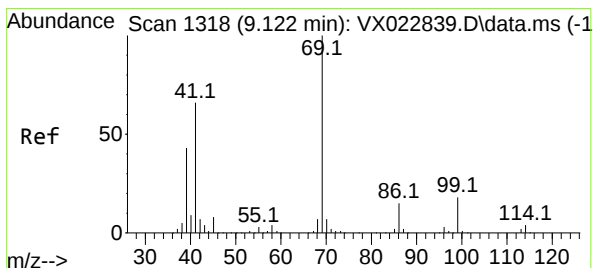
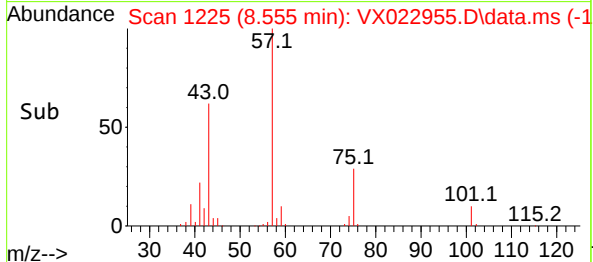
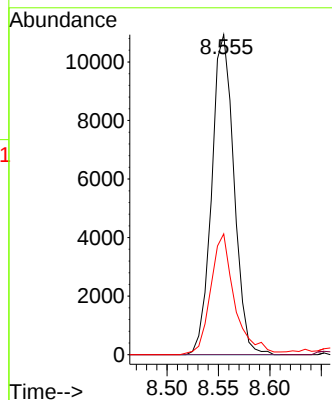
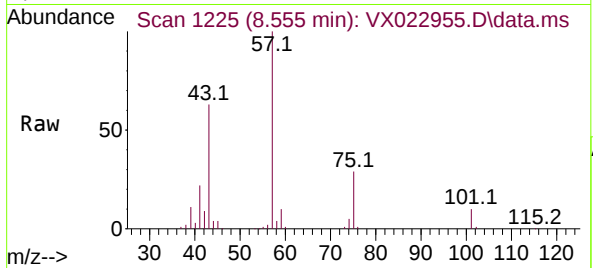




#54
 cis-1,3-Dichloropropene
 Concen: 13.85 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX022955.D
 Acq: 26 Jun 2021 05:00

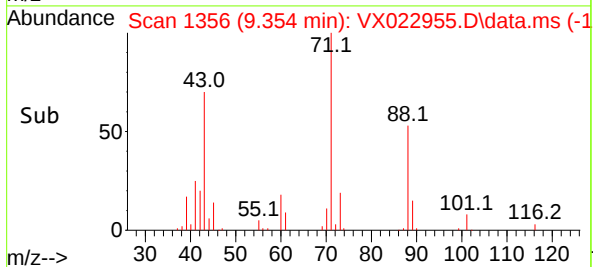
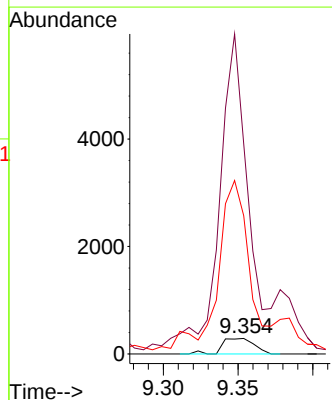
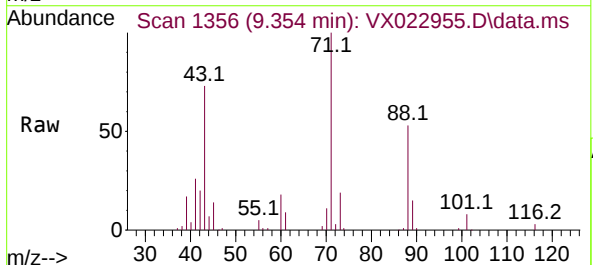
Instrument :
 MSVOA_X
 ClientSampleId :
 PB137293ZHE#11

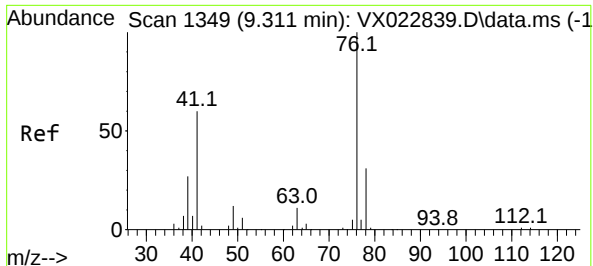
Tgt Ion: 75 Resp: 16455
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#
 39 37.8 35.1 52.7



#56
 Ethyl methacrylate
 Concen: 2.87 ug/l
 RT: 9.354 min Scan# 1356
 Delta R.T. 0.232 min
 Lab File: VX022955.D
 Acq: 26 Jun 2021 05:00

Tgt Ion: 69 Resp: 428
 Ion Ratio Lower Upper
 69 100
 41 1827.8 46.8 70.2#
 39 1066.4 24.7 37.1#



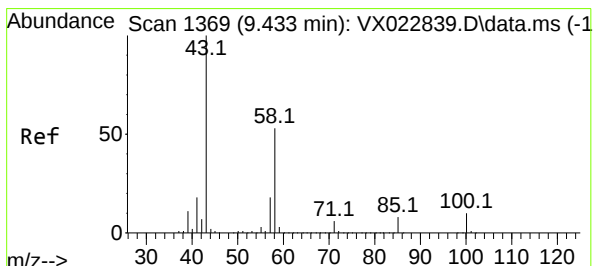
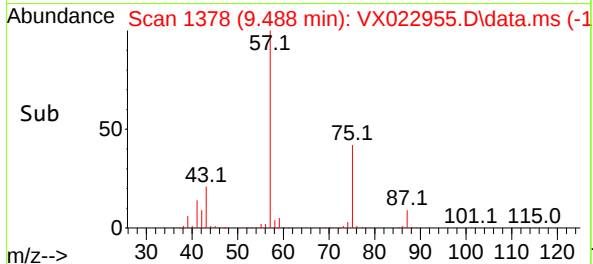
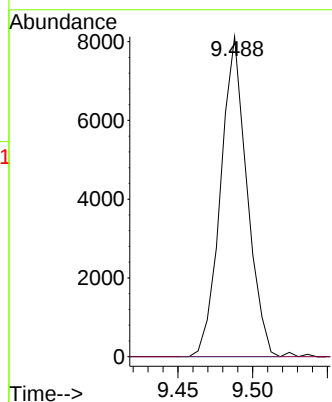
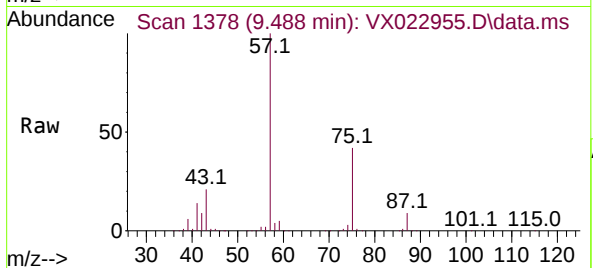


#57

1,3-Dichloropropane
Concen: 7.14 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

Instrument :
MSVOA_X
ClientSampleId :
PB137293ZHE#11

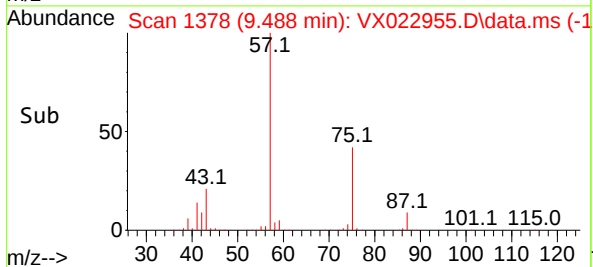
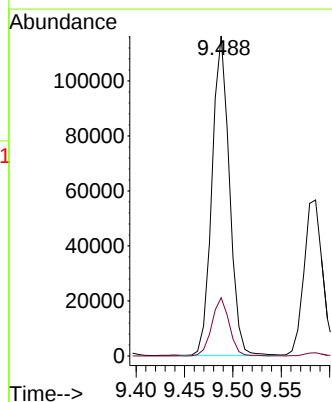
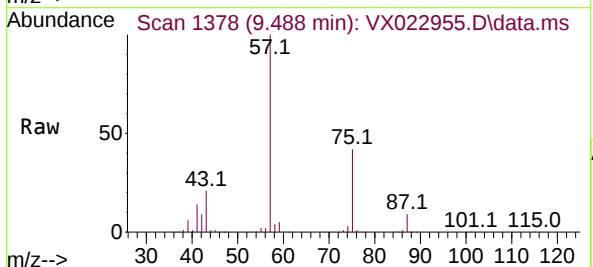
Tgt Ion: 76 Resp: 9938
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

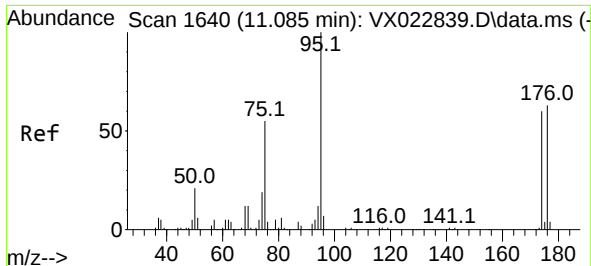


#59

2-Hexanone
Concen: 151.40 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

Tgt Ion: 43 Resp: 145823
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#

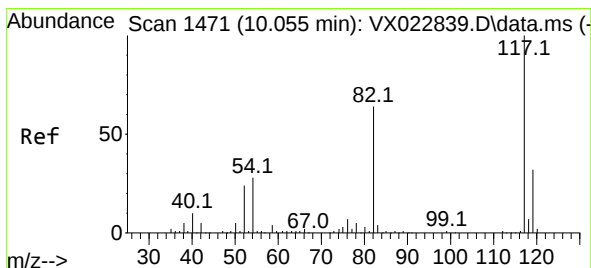
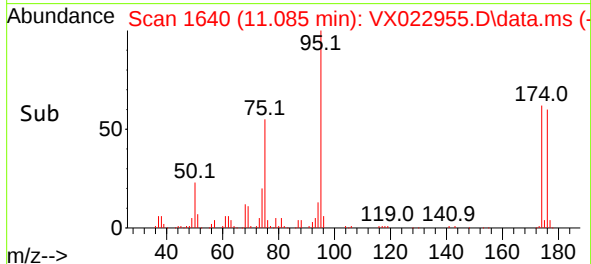
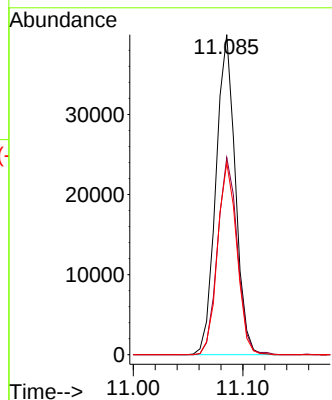
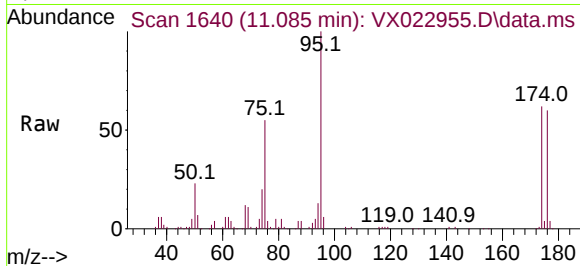




#62
4-Bromofluorobenzene
Concen: 51.33 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

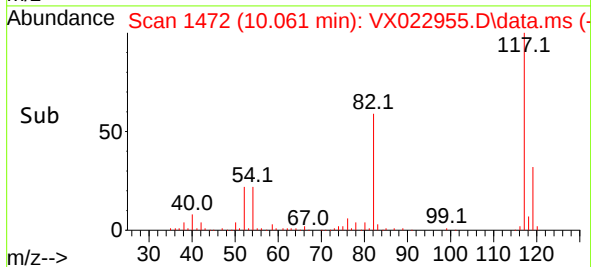
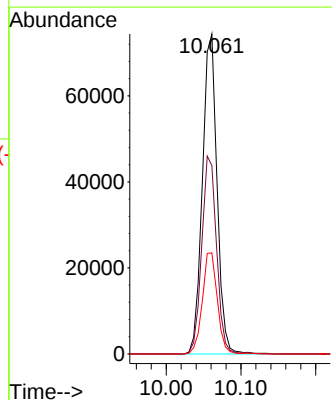
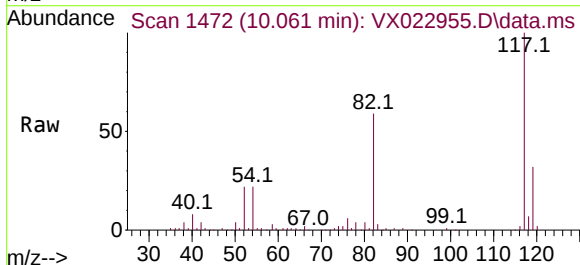
Instrument :
MSVOA_X
ClientSampleId :
PB137293ZHE#11

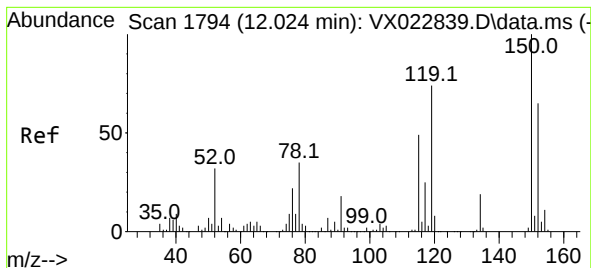
Tgt Ion: 95 Resp: 49165
Ion Ratio Lower Upper
95 100
174 62.7 0.0 154.6
176 59.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

Tgt Ion: 117 Resp: 101188
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 31.6 26.6 39.8

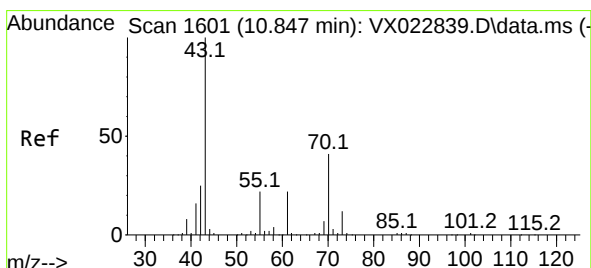
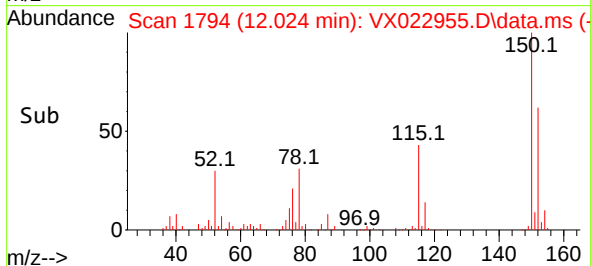
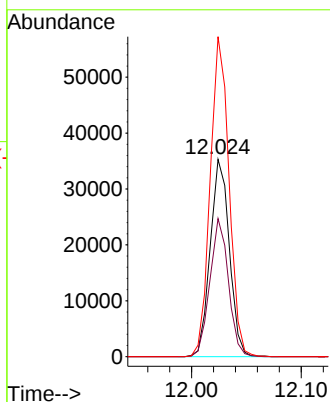
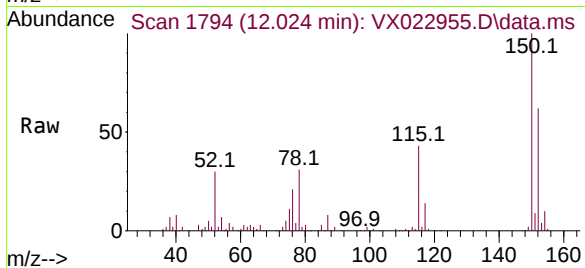




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

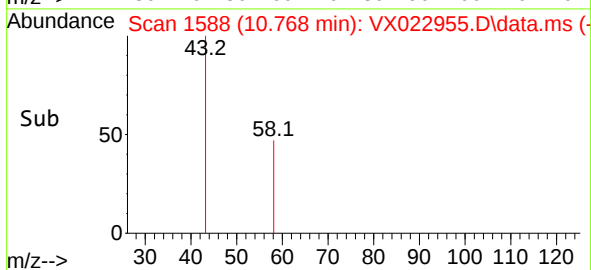
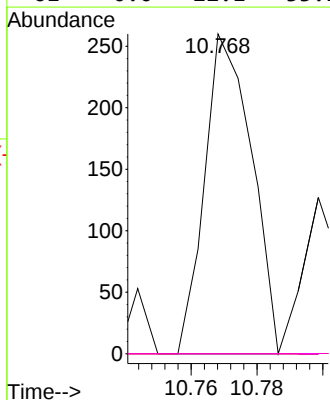
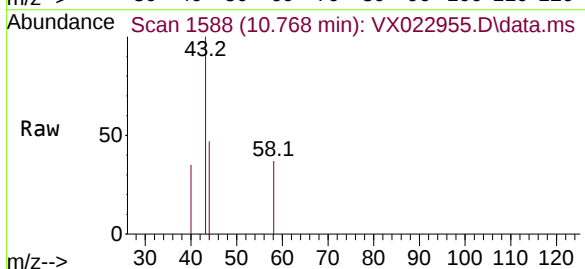
Instrument :
MSVOA_X
ClientSampleId :
PB137293ZHE#11

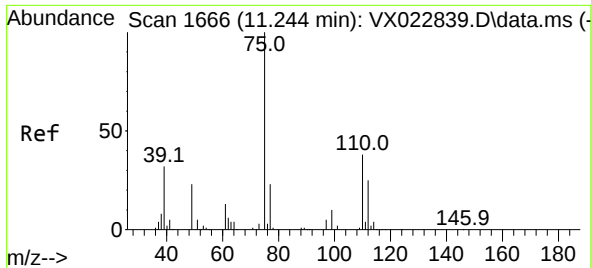
Tgt Ion:152 Resp: 42831
Ion Ratio Lower Upper
152 100
115 67.7 41.1 123.3
150 159.2 0.0 349.0



#74
N-ethyl acetate
Concen: 2.18 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.079 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

Tgt Ion: 43 Resp: 258
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

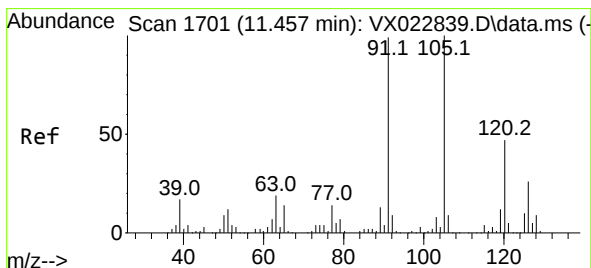
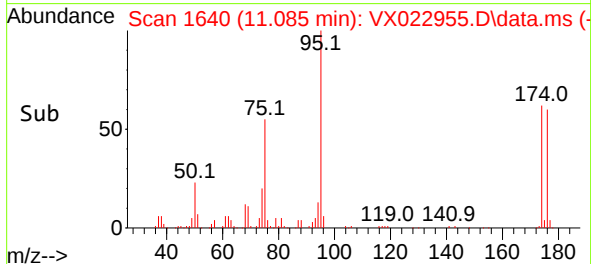
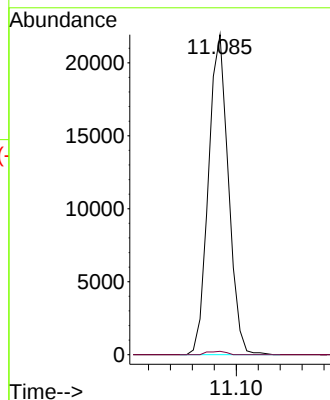
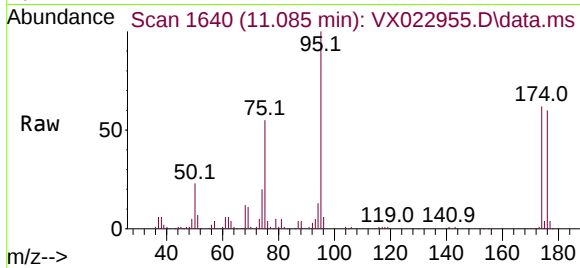




#76
1,2,3-Trichloropropane
Concen: 24.48 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

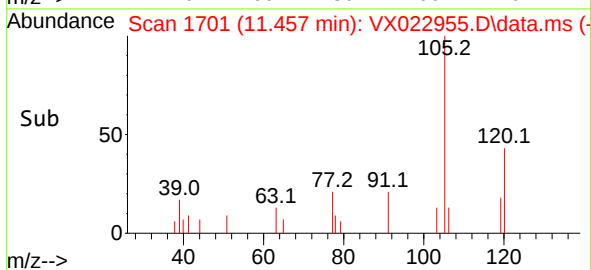
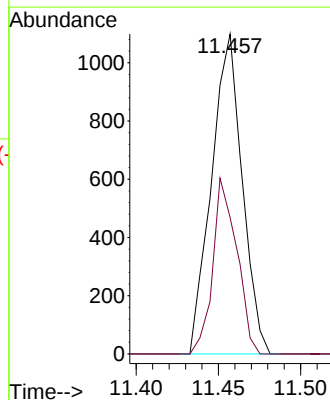
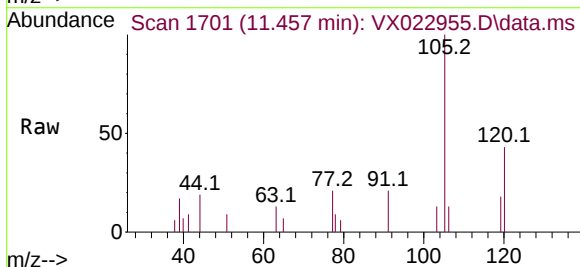
Instrument :
MSVOA_X
ClientSampleId :
PB137293ZHE#11

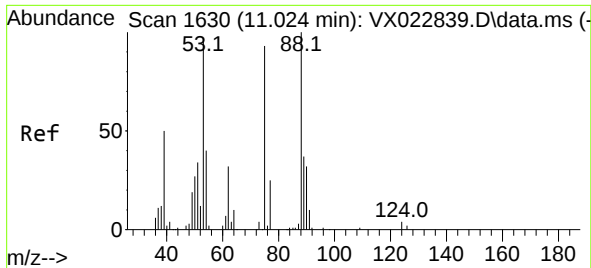
Tgt Ion: 75 Resp: 27699
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.48 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

Tgt Ion:105 Resp: 1425
Ion Ratio Lower Upper
105 100
120 42.9 23.8 71.5

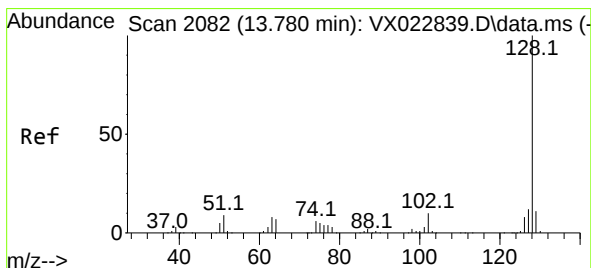
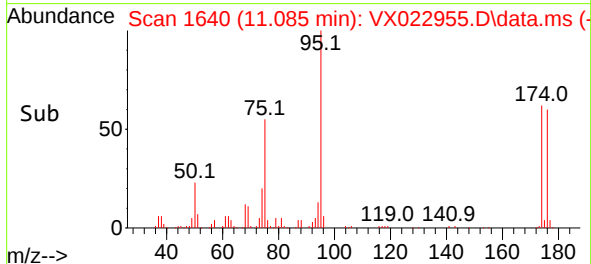
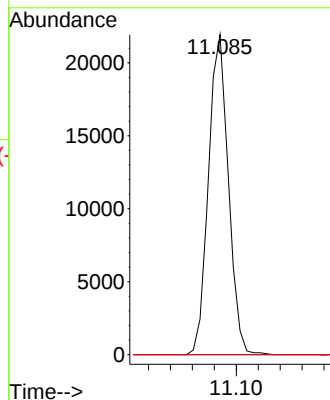
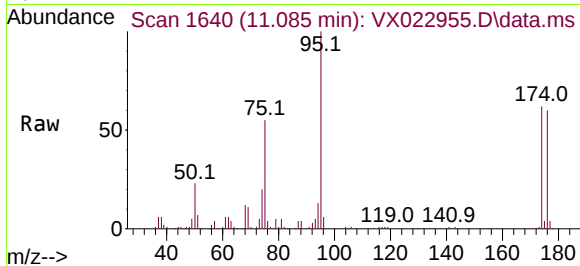




#81
trans-1,4-Dichloro-2-butene
Concen: 64.03 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

Instrument :
MSVOA_X
ClientSampleId :
PB137293ZHE#11

Tgt Ion: 75 Resp: 27699
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.93 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX022955.D
Acq: 26 Jun 2021 05:00

Tgt Ion: 128 Resp: 44
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

