

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026199.D
 Acq On : 31 Dec 2021 04:01
 Operator : JC/MD
 Sample : PB141758TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141758TB

Quant Time: Dec 31 21:35:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

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

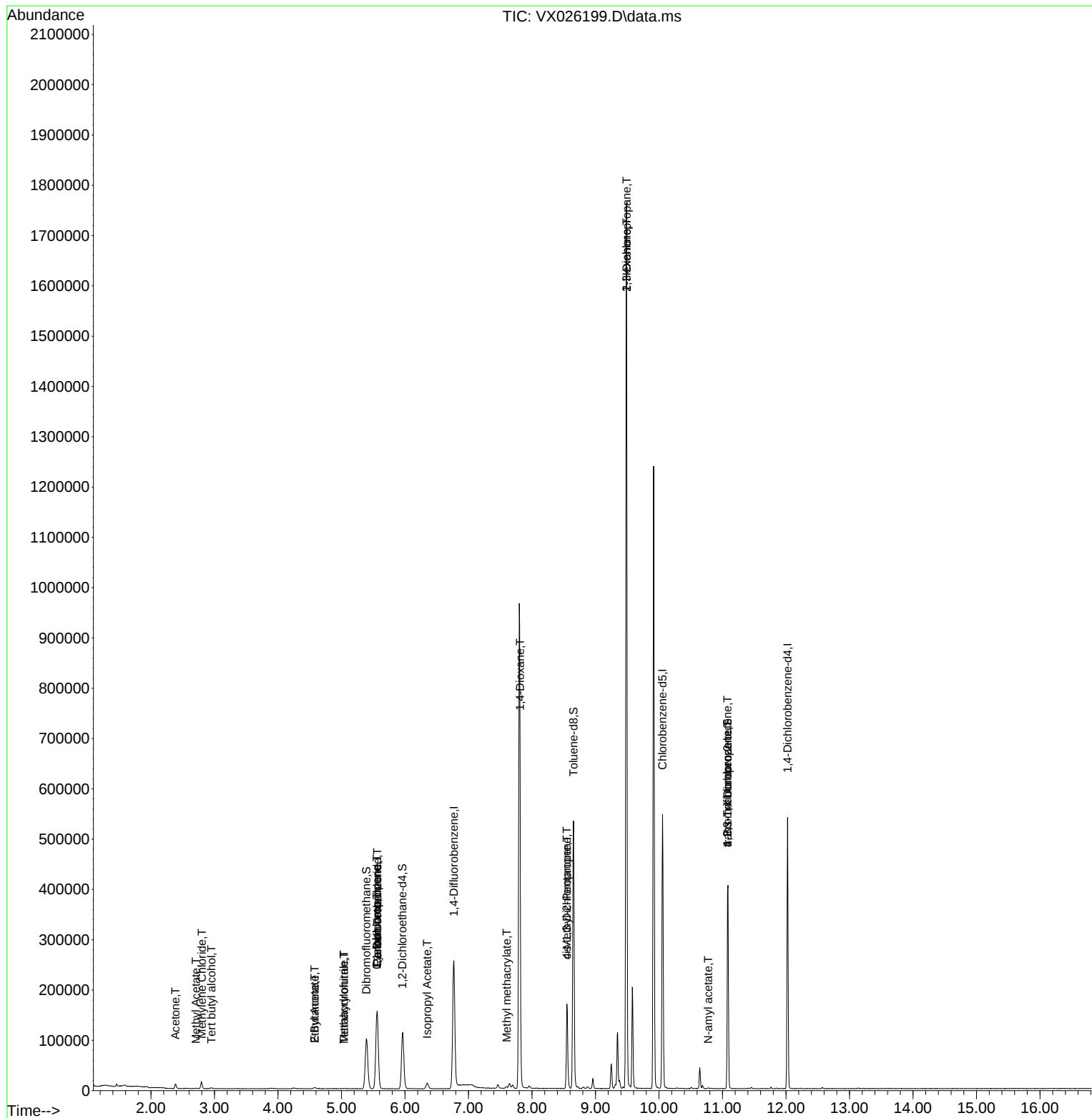
Internal Standards						
1) Pentafluorobenzene	5.562	168	136032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	239998	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	107132	54.437	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.880%			
35) Dibromofluoromethane	5.391	113	82889	53.124	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.240%			
50) Toluene-d8	8.653	98	291456	50.219	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.440%			
62) 4-Bromofluorobenzene	11.079	95	103292	49.995	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.980%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.953	59	1517	3.859	ug/l #	73
16) Acetone	2.386	43	9607	9.010	ug/l	89
18) Methyl Acetate	2.709	43	1696	0.490	ug/l #	69
20) Methylene Chloride	2.800	84	5092	2.081	ug/l	97
25) 2-Butanone	4.574	43	4102	2.762	ug/l #	84
29) Tetrahydrofuran	5.038	42	593	0.633	ug/l #	41
31) Cyclohexane	5.556	56	3841	1.371	ug/l #	28
36) 1,1-Dichloropropene	5.556	75	12138	4.823	ug/l #	50
37) Ethyl Acetate	4.574	43	4102	1.406	ug/l #	69
38) Carbon Tetrachloride	5.562	117	14886	5.318	ug/l #	16
41) Methacrylonitrile	5.038	41	387	0.235	ug/l #	29
43) Isopropyl Acetate	6.349	43	16004	3.365	ug/l	94
48) Methyl methacrylate	7.604	41	5128	2.248	ug/l #	12
49) 1,4-Dioxane	7.812	88	140	3.331	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	60374	20.400	ug/l #	48
54) cis-1,3-Dichloropropene	8.549	75	23318	7.958	ug/l #	74
57) 1,3-Dichloropropane	9.488	76	14369	4.616	ug/l #	42
59) 2-Hexanone	9.488	43	223286	99.602	ug/l #	49
74) N-amyl acetate	10.775	43	753	0.217	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	57109	24.350	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	57109	70.444	ug/l #	10

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

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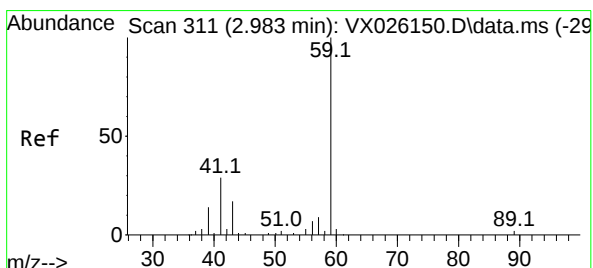
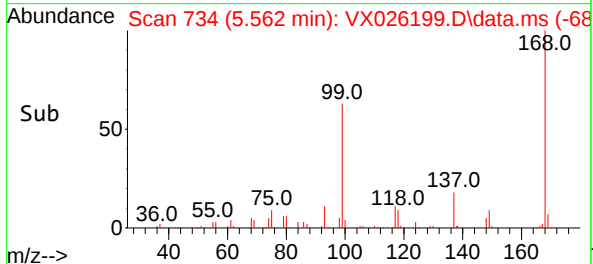
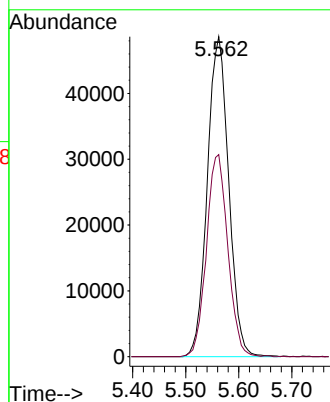
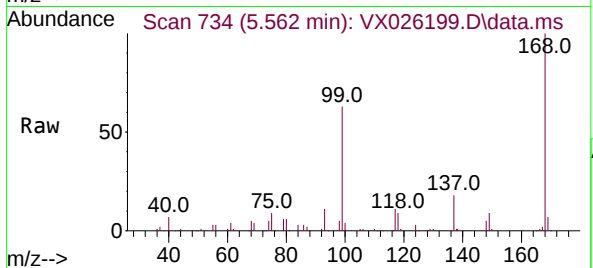




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

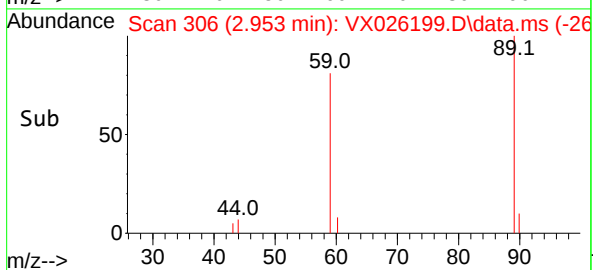
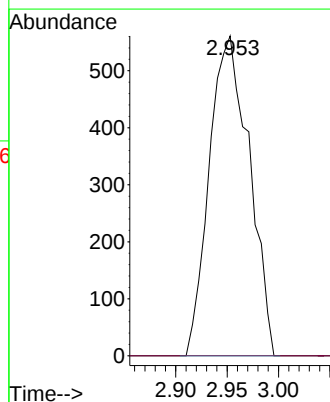
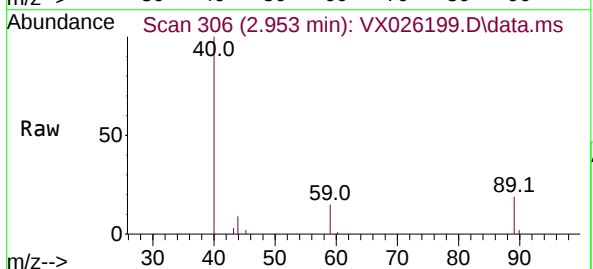
Instrument :
MSVOA_X
ClientSampleId :
PB141758TB

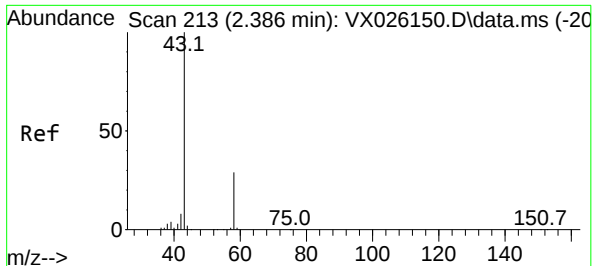
Tgt Ion:168 Resp: 136032
Ion Ratio Lower Upper
168 100
99 63.2 45.8 68.8



#11
Tert butyl alcohol
Concen: 3.859 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

Tgt Ion: 59 Resp: 1517
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

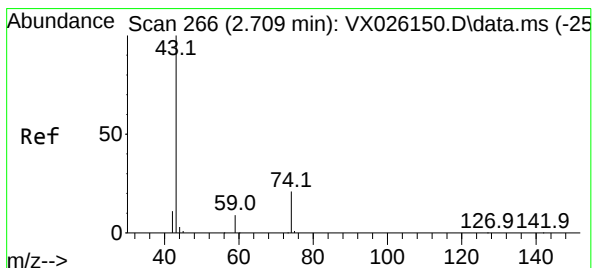
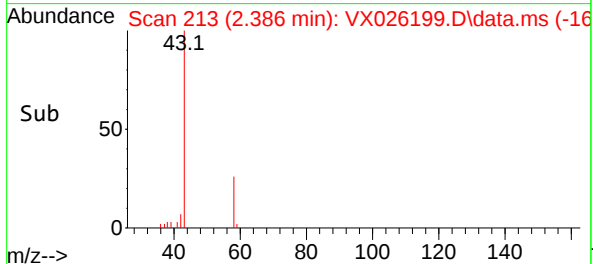
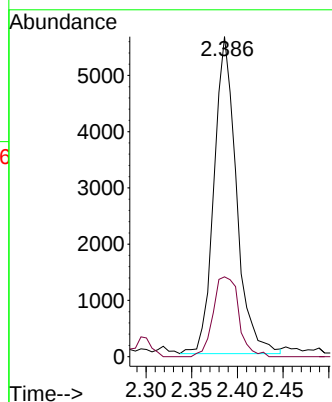
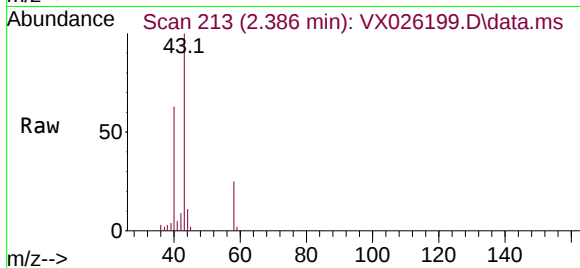




#16
Acetone
Concen: 9.010 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

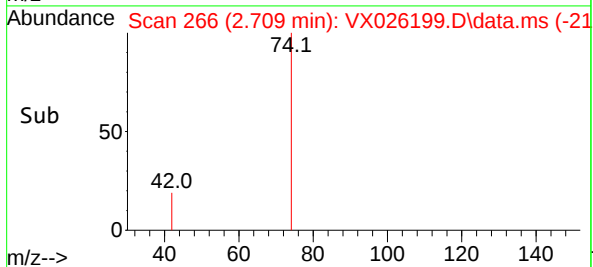
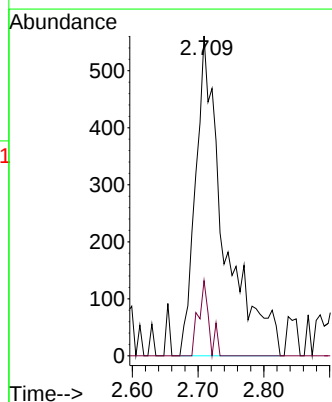
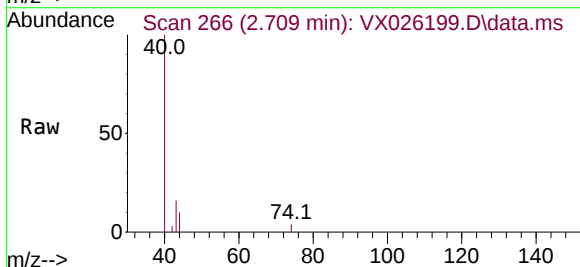
Instrument :
MSVOA_X
ClientSampleId :
PB141758TB

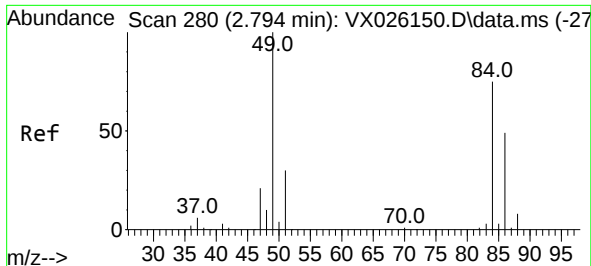
Tgt Ion: 43 Resp: 9607
Ion Ratio Lower Upper
43 100
58 25.2 24.8 37.2



#18
Methyl Acetate
Concen: 0.490 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

Tgt Ion: 43 Resp: 1696
Ion Ratio Lower Upper
43 100
74 8.8 19.1 28.7#

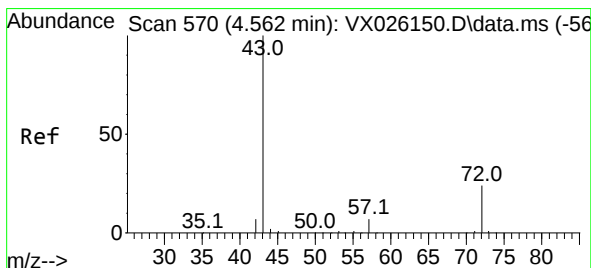
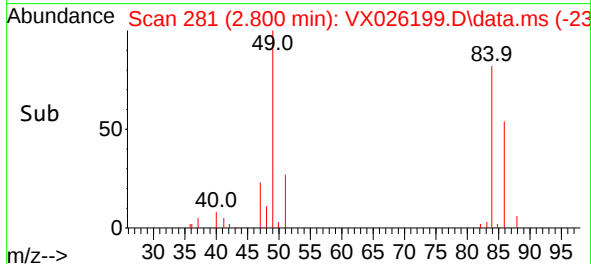
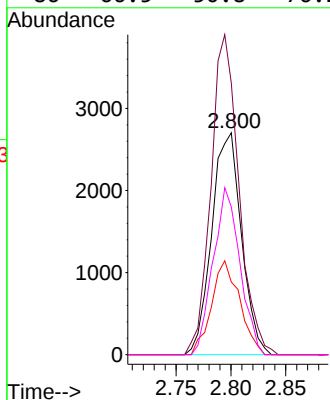
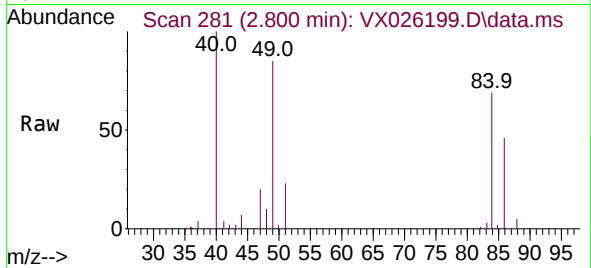




#20
Methylene Chloride
Concen: 2.081 ug/l
RT: 2.800 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

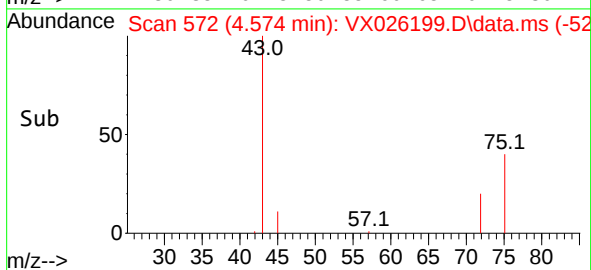
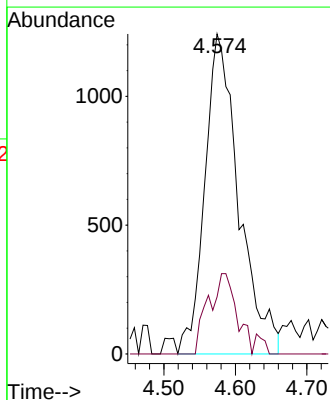
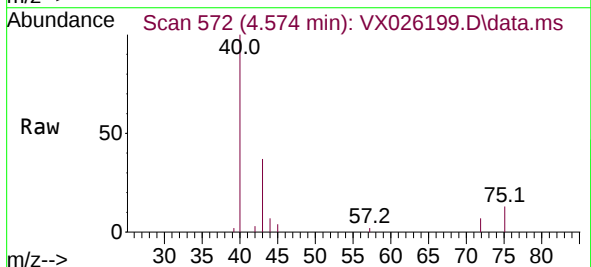
Instrument :
MSVOA_X
ClientSampleId :
PB141758TB

Tgt Ion:	84	Resp:	5092
Ion	Ratio	Lower	Upper
84	100		
49	122.3	97.1	145.7
51	32.8	29.3	43.9
86	66.5	50.8	76.2



#25
2-Butanone
Concen: 2.762 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

Tgt Ion:	43	Resp:	4102
Ion	Ratio	Lower	Upper
43	100		
72	17.9	21.0	31.4#





#29

Tetrahydrofuran

Concen: 0.633 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.025 min

Lab File: VX026199.D

Acq: 31 Dec 2021 04:01

Instrument :

MSVOA_X

ClientSampleId :

PB141758TB

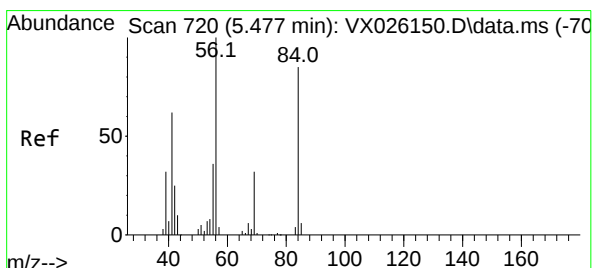
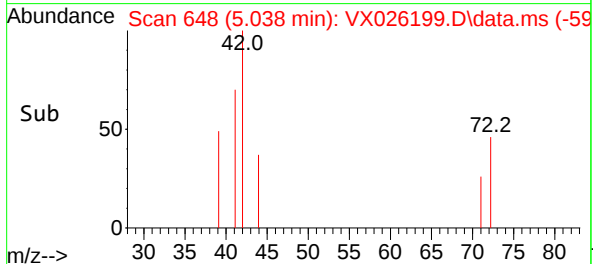
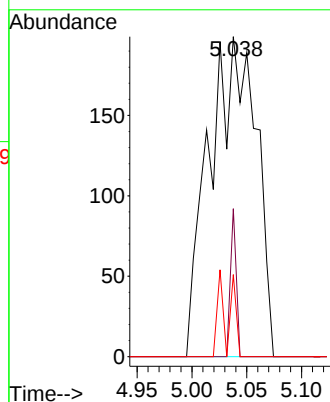
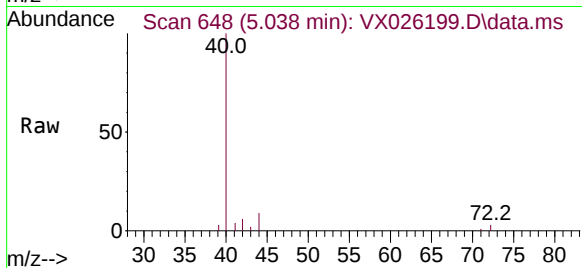
Tgt Ion: 42 Resp: 593

Ion Ratio Lower Upper

42 100

72 5.7 37.0 55.6#

71 6.4 34.1 51.1#



#31

Cyclohexane

Concen: 1.371 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX026199.D

Acq: 31 Dec 2021 04:01

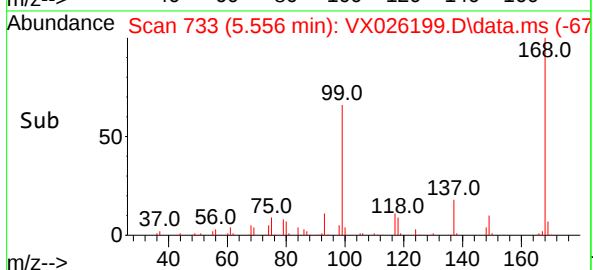
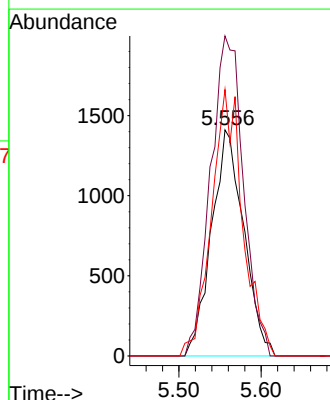
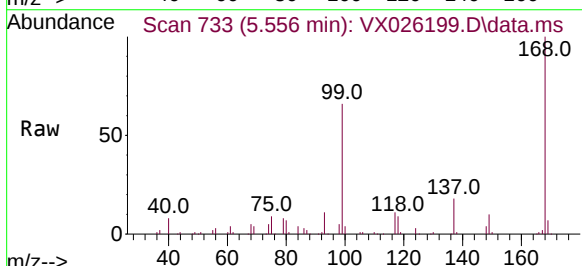
Tgt Ion: 56 Resp: 3841

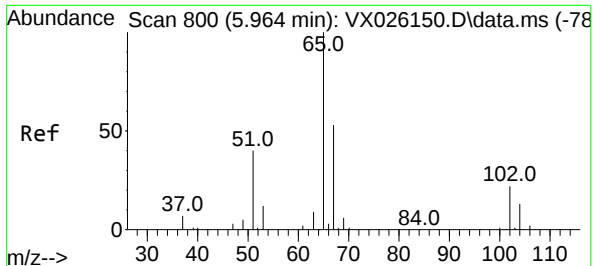
Ion Ratio Lower Upper

56 100

69 141.5 23.9 35.9#

84 117.9 73.2 109.8#





#33

1,2-Dichloroethane-d4

Concen: 54.437 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX026199.D

Acq: 31 Dec 2021 04:01

Instrument :

MSVOA_X

ClientSampleId :

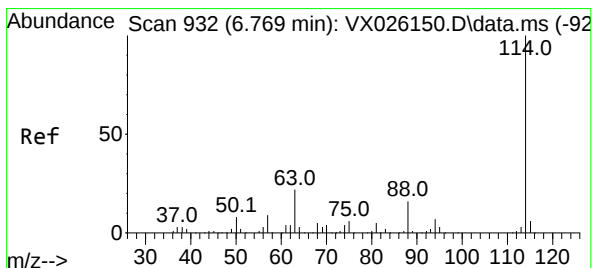
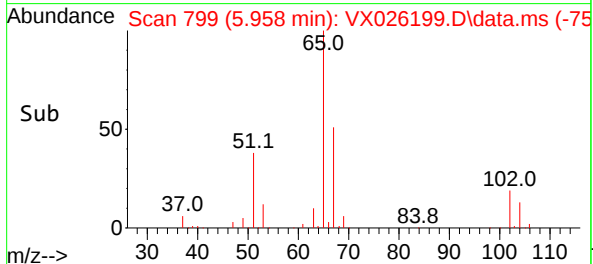
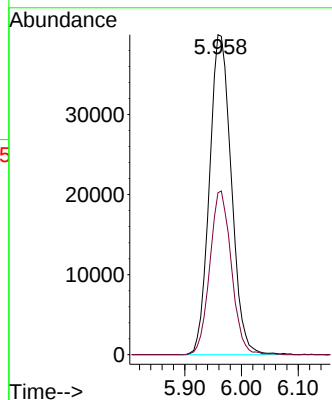
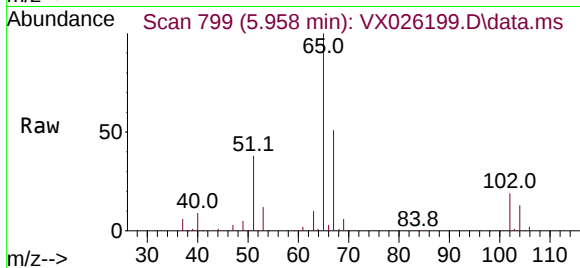
PB141758TB

Tgt Ion: 65 Resp: 107132

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX026199.D

Acq: 31 Dec 2021 04:01

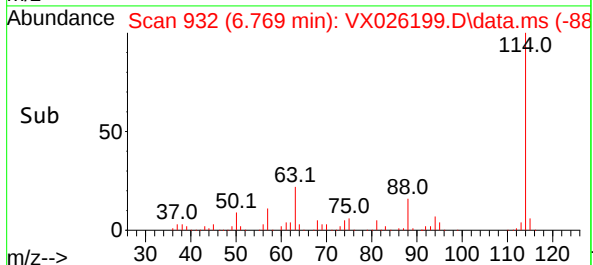
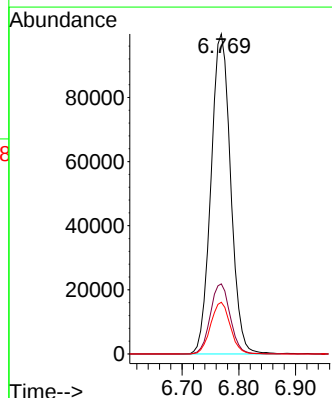
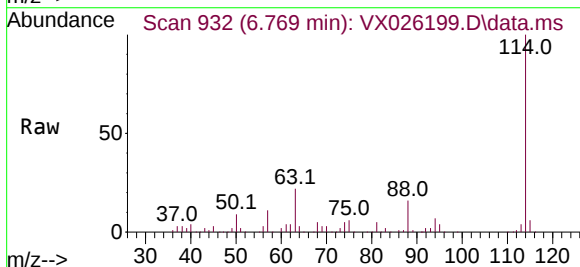
Tgt Ion: 114 Resp: 239998

Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.0

88 16.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.124 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026199.D

Acq: 31 Dec 2021 04:01

Instrument :

MSVOA_X

ClientSampleId :

PB141758TB

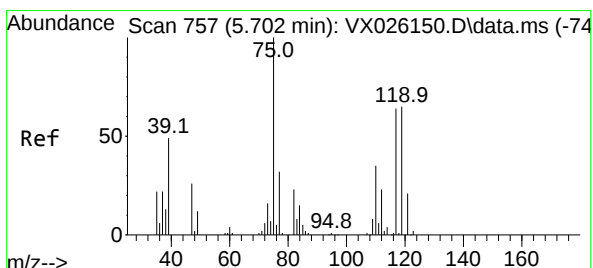
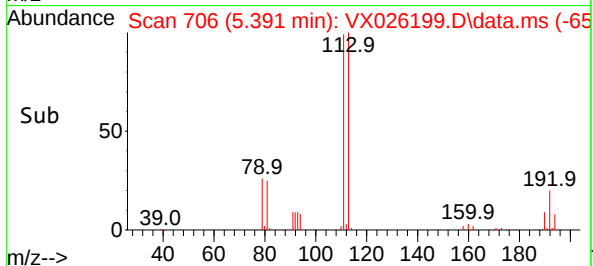
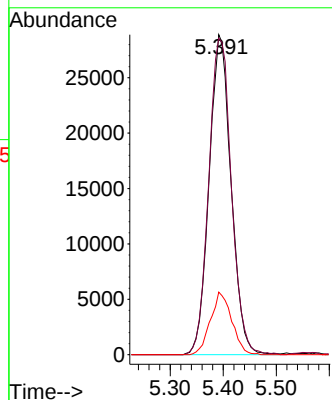
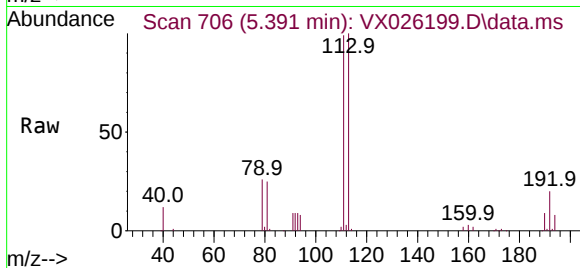
Tgt Ion:113 Resp: 82889

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

192 19.0 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.823 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX026199.D

Acq: 31 Dec 2021 04:01

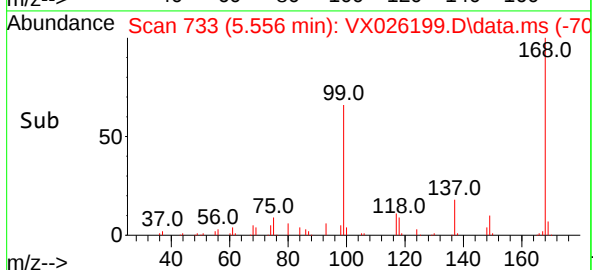
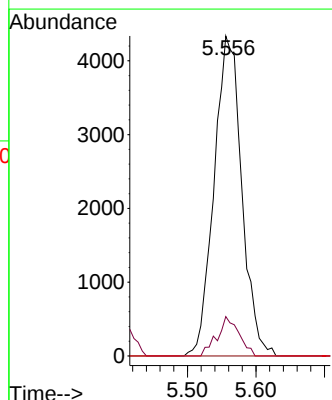
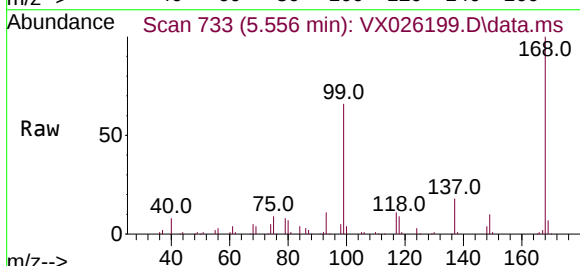
Tgt Ion: 75 Resp: 12138

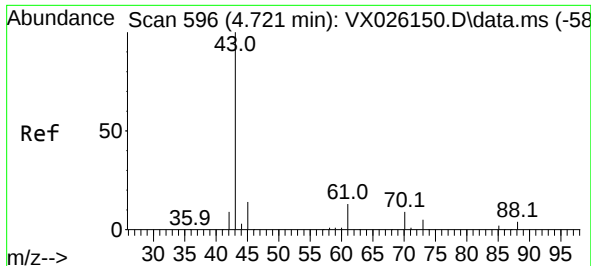
Ion Ratio Lower Upper

75 100

110 9.7 18.2 54.6#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.406 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.147 min

Lab File: VX026199.D

Acq: 31 Dec 2021 04:01

Instrument :

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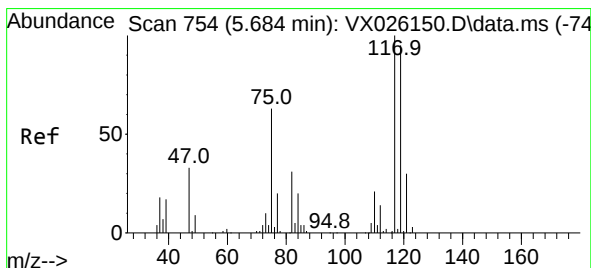
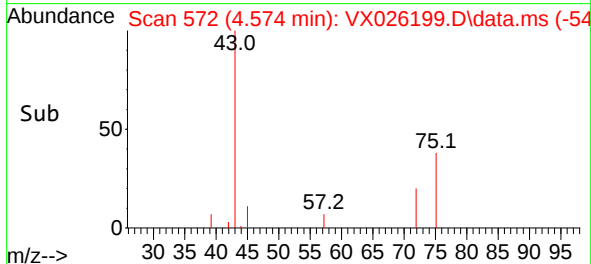
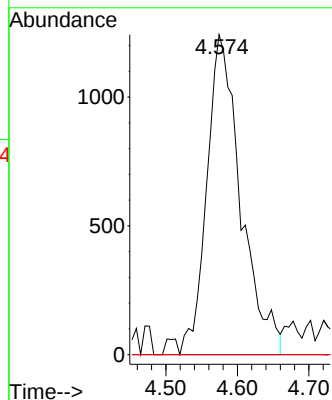
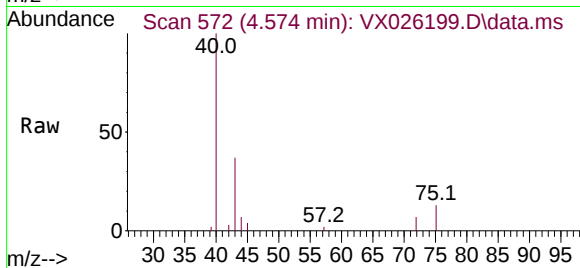
Tgt Ion: 43 Resp: 4102

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 5.318 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX026199.D

Acq: 31 Dec 2021 04:01

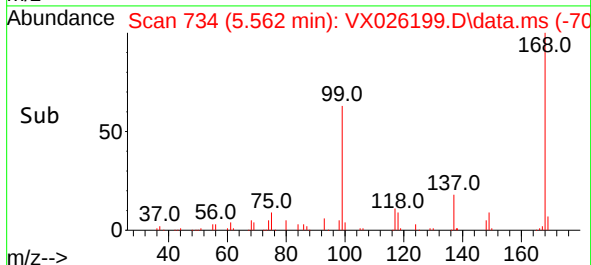
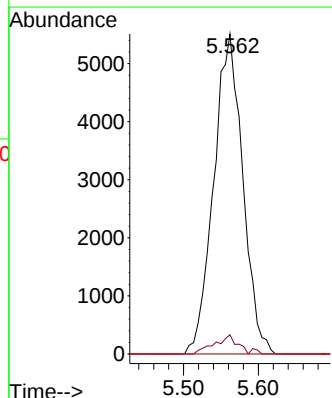
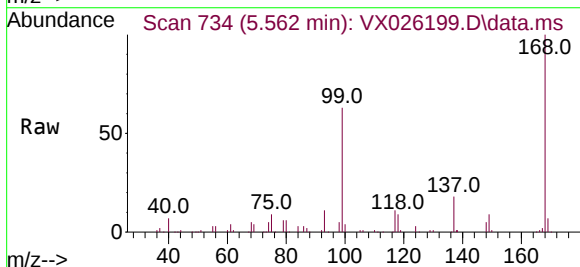
Tgt Ion: 117 Resp: 14886

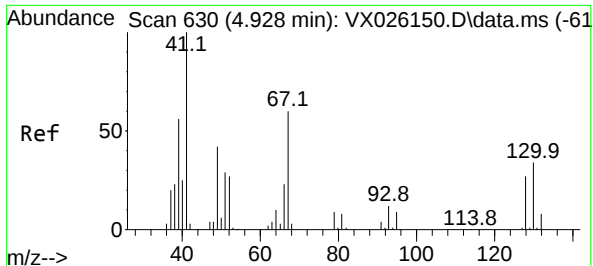
Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

121 0.0 23.8 35.8#

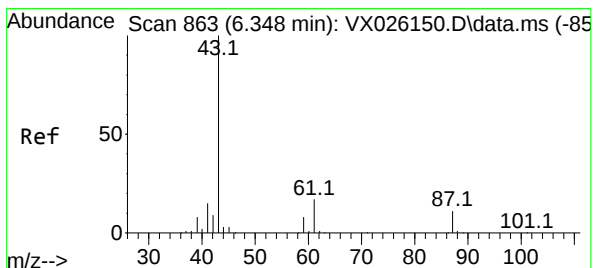
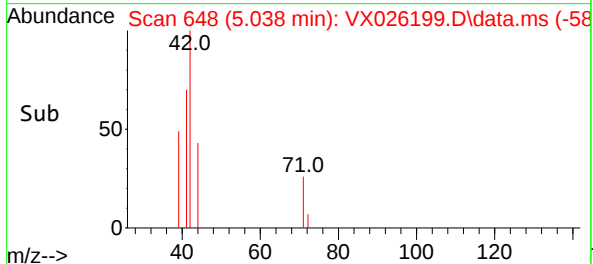
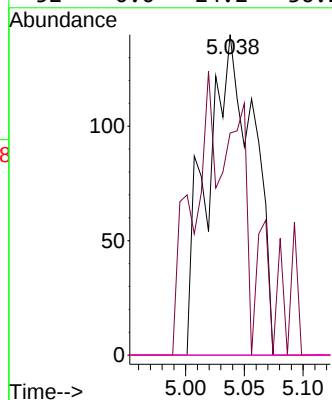
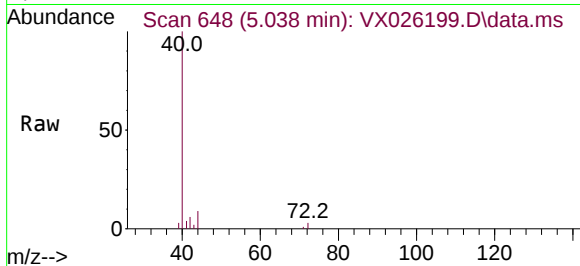




#41
Methacrylonitrile
Concen: 0.235 ug/l
RT: 5.038 min Scan# 641
Delta R.T. 0.110 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

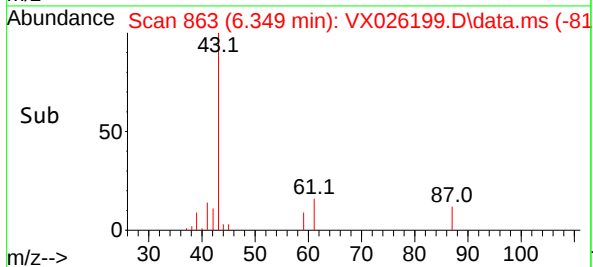
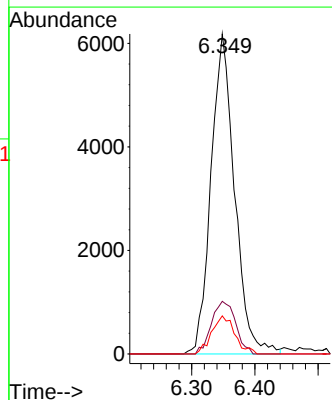
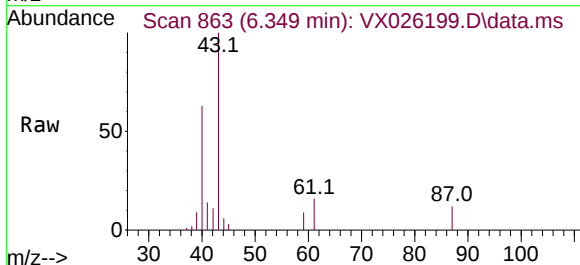
Instrument :
MSVOA_X
ClientSampleId :
PB141758TB

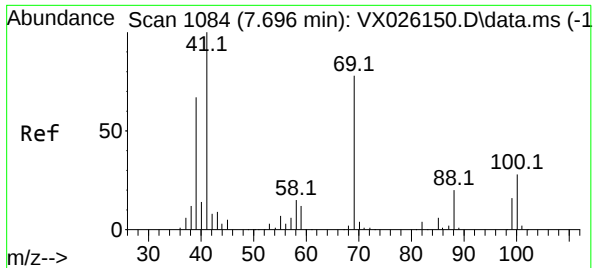
Tgt Ion: 41 Resp: 387
Ion Ratio Lower Upper
41 100
39 13.4 44.2 66.2#
67 0.0 59.7 89.5#
52 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.365 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.001 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

Tgt Ion: 43 Resp: 16004
Ion Ratio Lower Upper
43 100
61 16.8 15.7 23.5
87 11.6 11.2 16.8

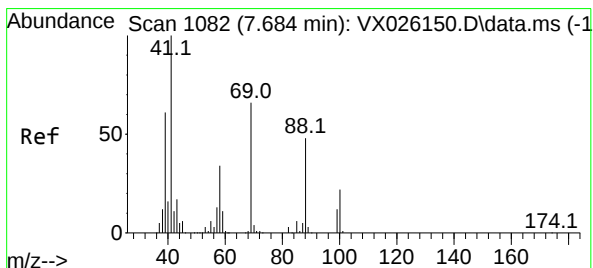
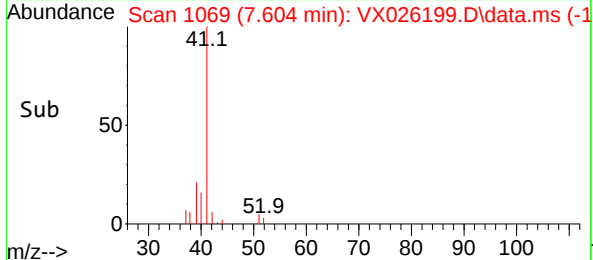
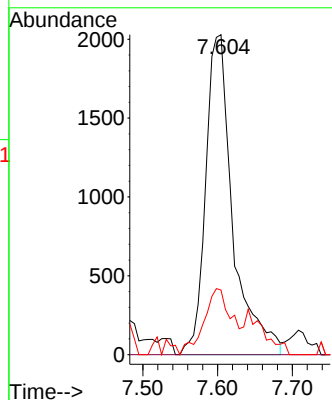
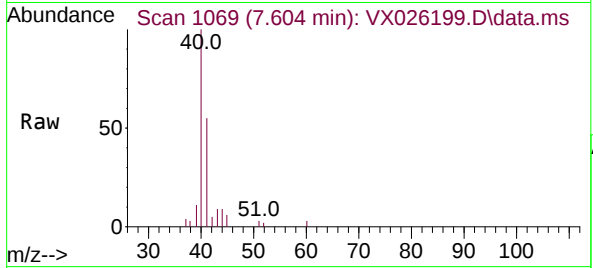




#48
Methyl methacrylate
Concen: 2.248 ug/l
RT: 7.604 min Scan# 1103
Delta R.T. -0.092 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

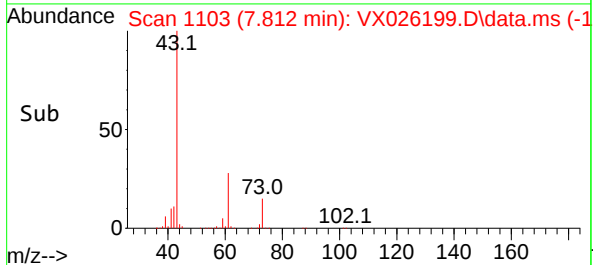
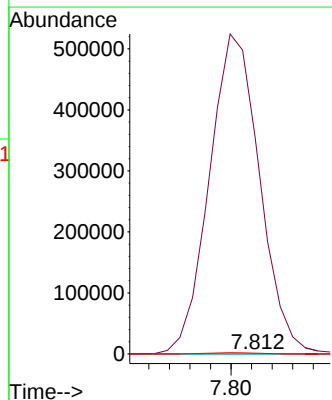
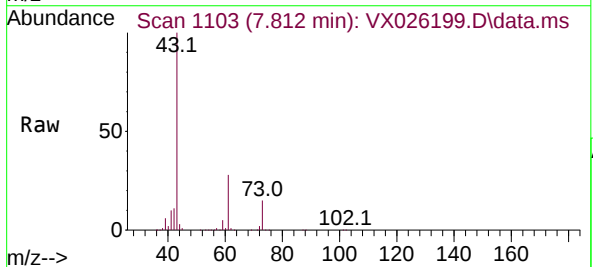
Instrument :
MSVOA_X
ClientSampleId :
PB141758TB

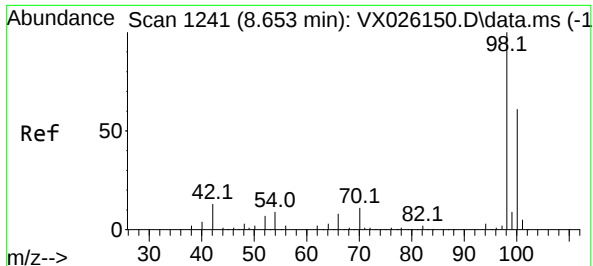
Tgt Ion: 41 Resp: 5128
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 3.331 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.128 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

Tgt Ion: 88 Resp: 140
Ion Ratio Lower Upper
88 100
43 642178.6 25.3 37.9#
58 2622.9 51.8 77.6#

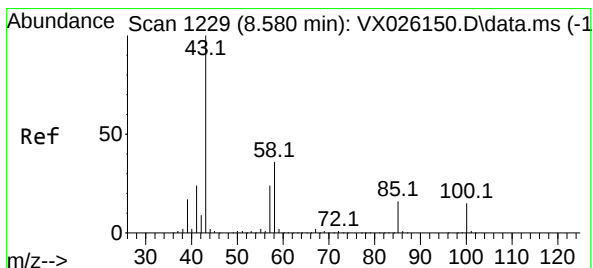
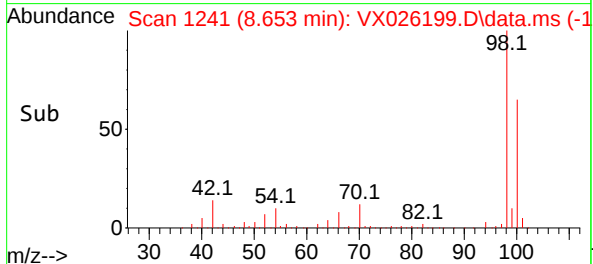
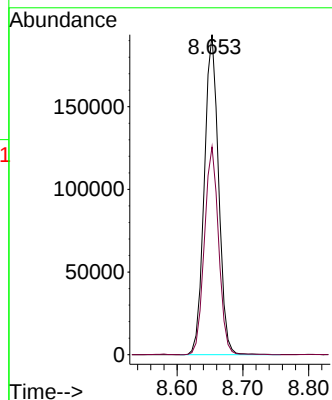
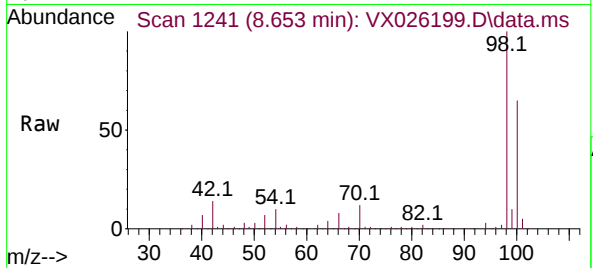




#50
Toluene-d8
Concen: 50.219 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

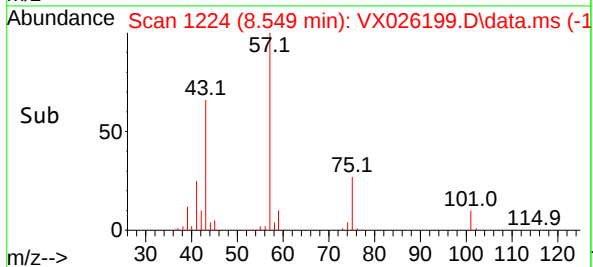
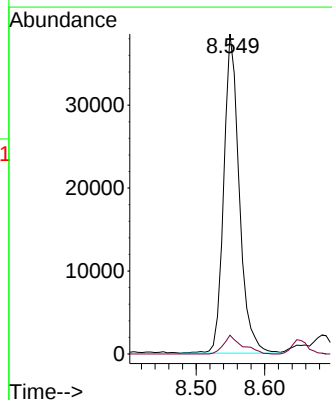
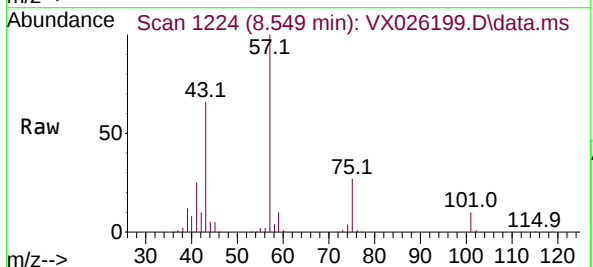
Instrument :
MSVOA_X
ClientSampleId :
PB141758TB

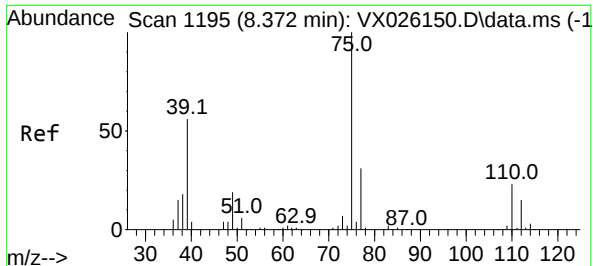
Tgt Ion: 98 Resp: 291456
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 20.400 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

Tgt Ion: 43 Resp: 60374
Ion Ratio Lower Upper
43 100
58 7.1 30.8 46.2#

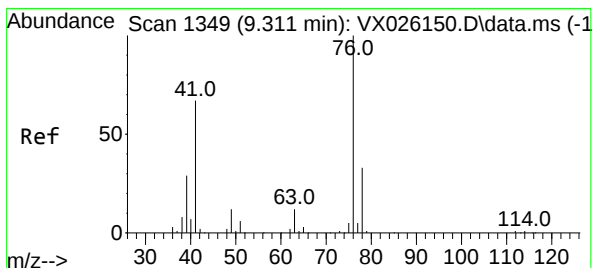
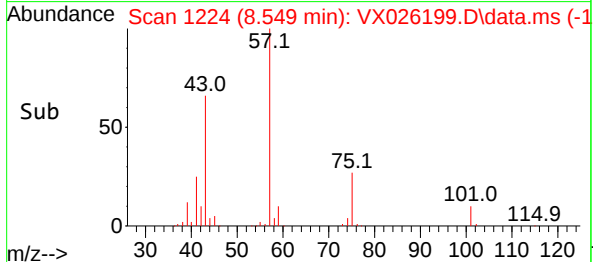
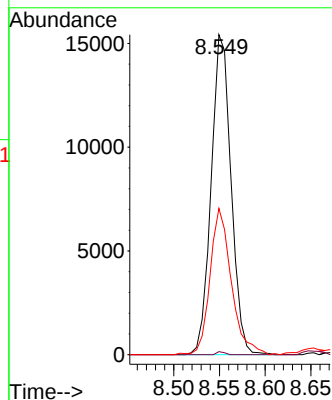
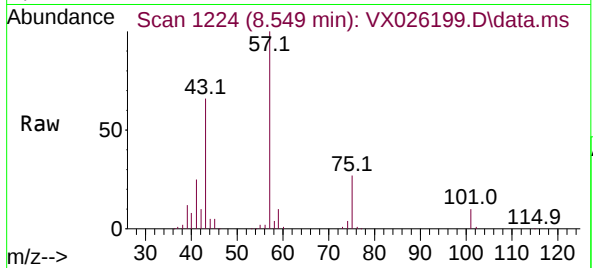




#54
 cis-1,3-Dichloropropene
 Concen: 7.958 ug/l
 RT: 8.549 min Scan# 1195
 Delta R.T. 0.177 min
 Lab File: VX026199.D
 Acq: 31 Dec 2021 04:01

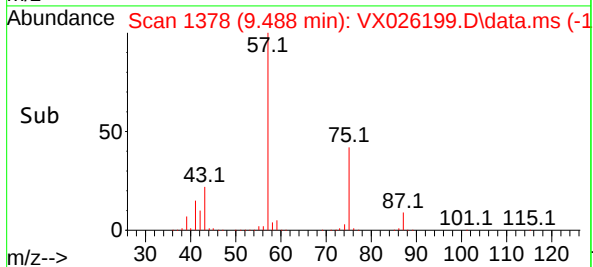
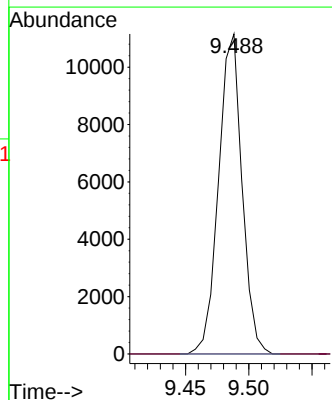
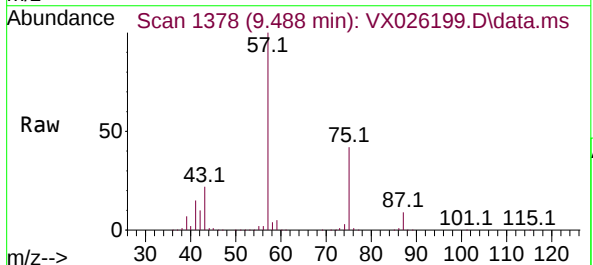
Instrument :
 MSVOA_X
 ClientSampleId :
 PB141758TB

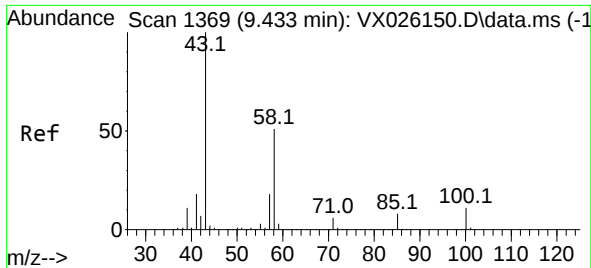
Tgt Ion: 75 Resp: 23318
 Ion Ratio Lower Upper
 75 100
 77 1.0 25.3 37.9#
 39 45.7 41.4 62.0



#57
 1,3-Dichloropropane
 Concen: 4.616 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX026199.D
 Acq: 31 Dec 2021 04:01

Tgt Ion: 76 Resp: 14369
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

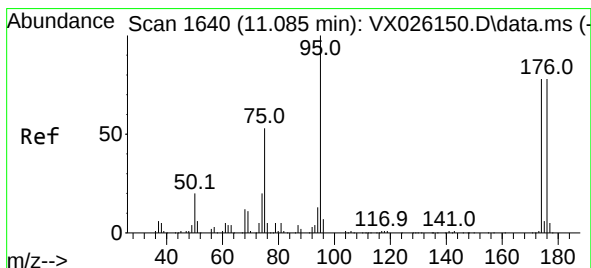
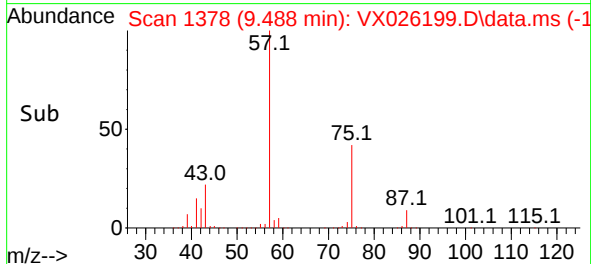
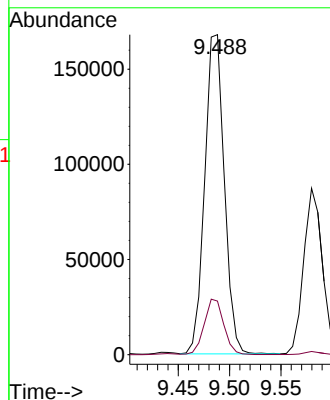
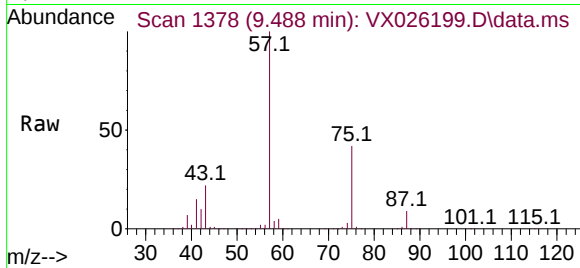




#59
2-Hexanone
Concen: 99.602 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

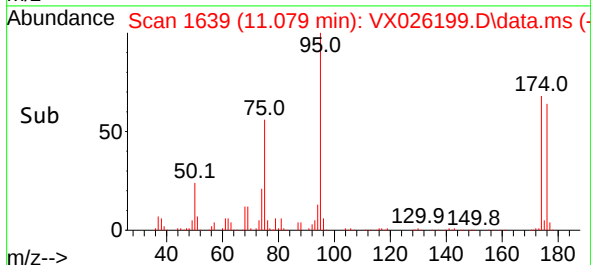
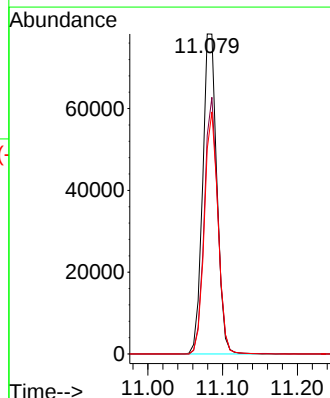
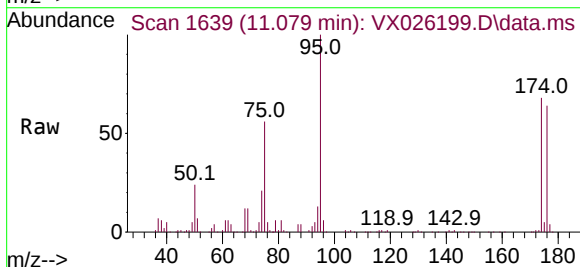
Instrument :
MSVOA_X
ClientSampleId :
PB141758TB

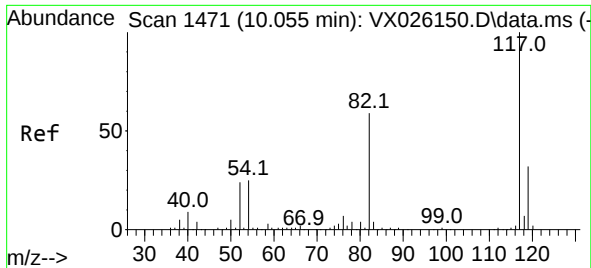
Tgt Ion: 43 Resp: 223286
Ion Ratio Lower Upper
43 100
58 17.2 26.9 80.6#



#62
4-Bromofluorobenzene
Concen: 49.995 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

Tgt Ion: 95 Resp: 103292
Ion Ratio Lower Upper
95 100
174 76.0 0.0 157.4
176 72.8 0.0 154.6

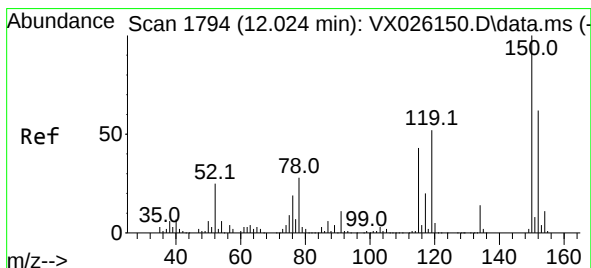
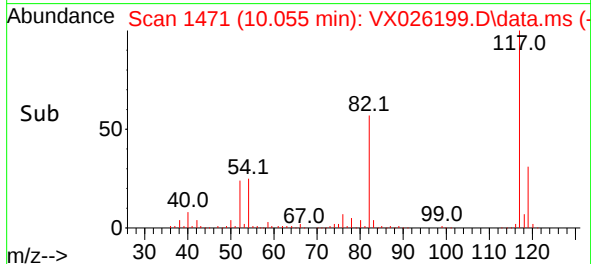
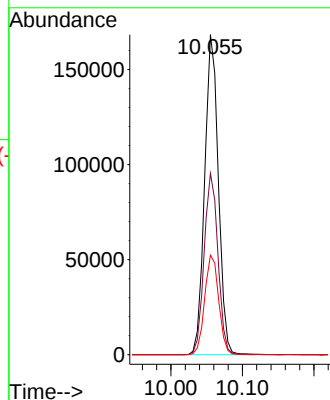
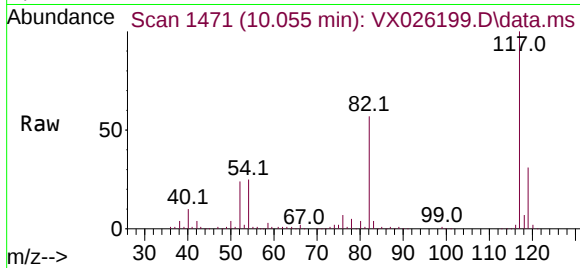




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

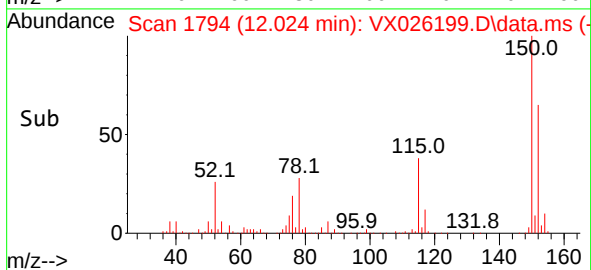
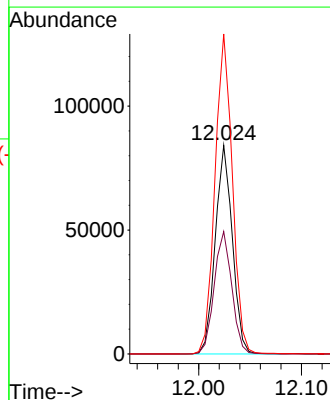
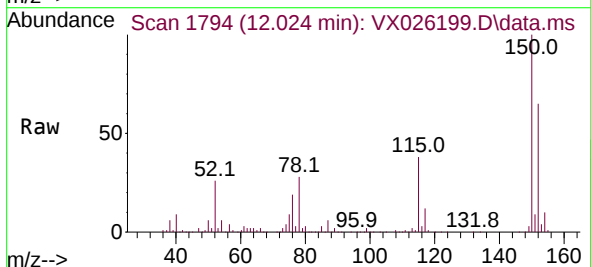
Instrument :
MSVOA_X
ClientSampleId :
PB141758TB

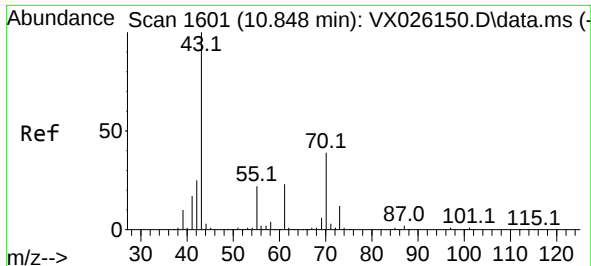
Tgt Ion:117 Resp: 224100
Ion Ratio Lower Upper
117 100
82 56.6 43.8 65.6
119 31.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

Tgt Ion:152 Resp: 97167
Ion Ratio Lower Upper
152 100
115 60.4 41.3 123.9
150 155.8 0.0 351.8

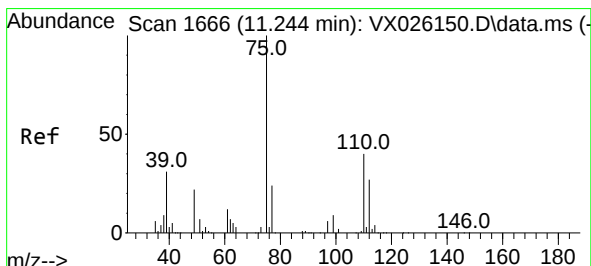
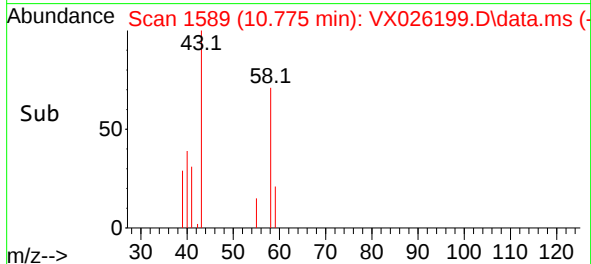
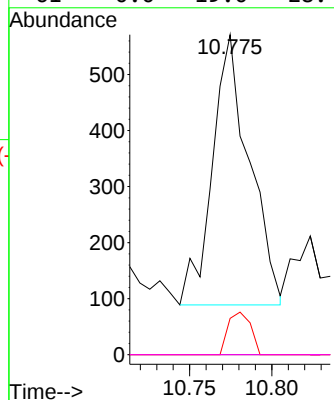
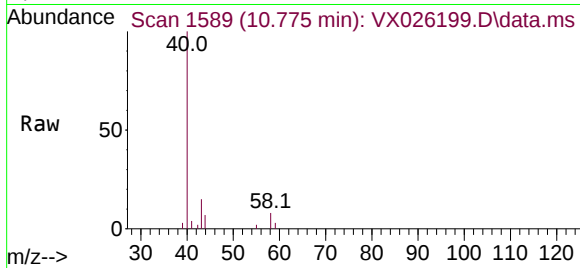




#74
N-amy1 acetate
Concen: 0.217 ug/l
RT: 10.775 min Scan# 1639
Delta R.T. -0.073 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

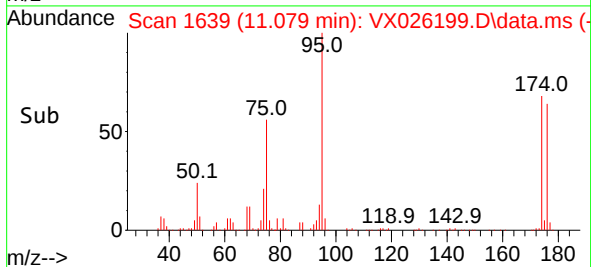
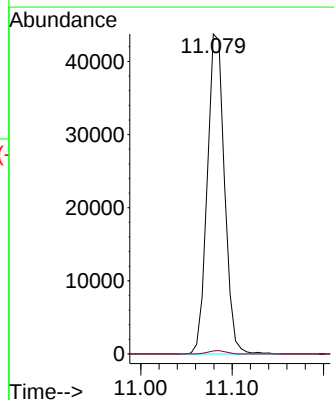
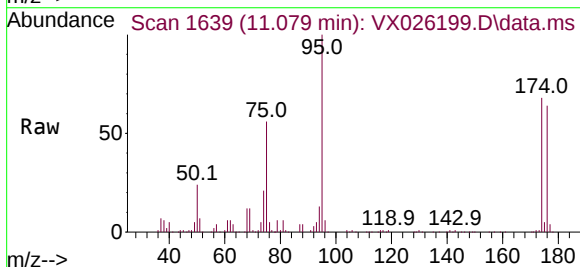
Instrument :
MSVOA_X
ClientSampleId :
PB141758TB

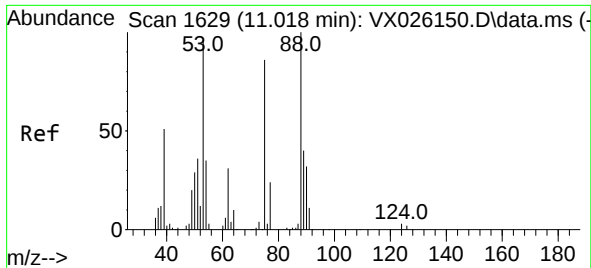
Tgt Ion: 43	Resp: 753
Ion Ratio	Lower Upper
43 100	
70 0.0	34.1 51.1#
55 9.6	19.2 28.8#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 24.350 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX026199.D
Acq: 31 Dec 2021 04:01

Tgt Ion: 75	Resp: 57109
Ion Ratio	Lower Upper
75 100	
77 1.1	19.0 57.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.444 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX026199.D
 Acq: 31 Dec 2021 04:01

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141758TB

Tgt Ion: 75 Resp: 57109
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#

