

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020122\
 Data File : VX026707.D
 Acq On : 01 Feb 2022 15:20
 Operator : JC/MD
 Sample : PB142403TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142403TB

Quant Time: Feb 02 04:36:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

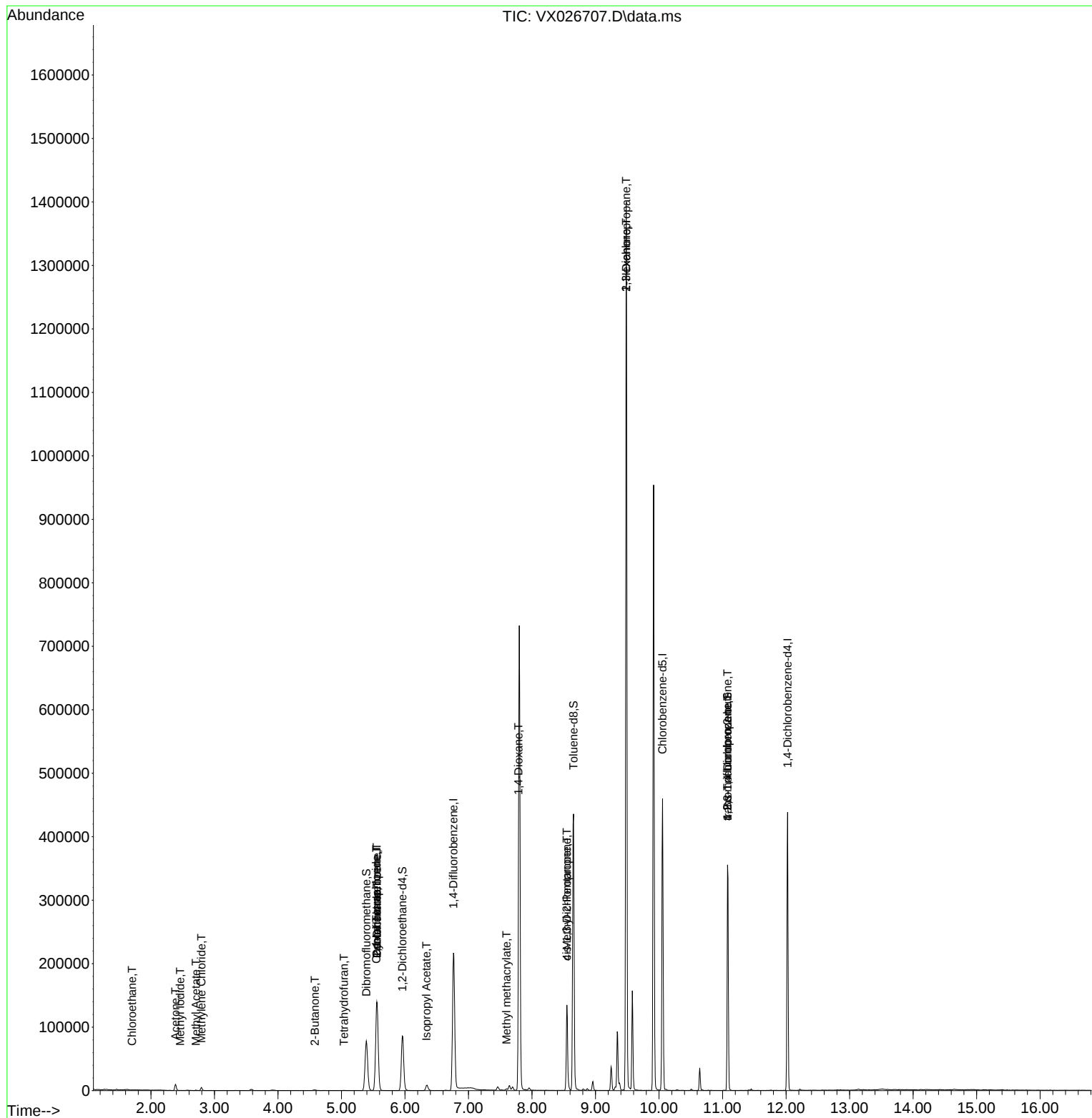
Internal Standards						
1) Pentafluorobenzene	5.556	168	133087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	224380	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84130	45.252	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.500%		
35) Dibromofluoromethane	5.391	113	69716	48.114	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.220%		
50) Toluene-d8	8.653	98	265617	50.870	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.740%		
62) 4-Bromofluorobenzene	11.079	95	99551	53.670	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.340%		
Target Compounds					Qvalue	
6) Chloroethane	1.703	64	205	0.268	ug/l #	43
10) Methyl Iodide	2.459	142	72	4.487	ug/l #	37
16) Acetone	2.386	43	11352	11.974	ug/l	95
18) Methyl Acetate	2.709	43	931	0.494	ug/l #	86
20) Methylene Chloride	2.794	84	2050	1.309	ug/l #	95
25) 2-Butanone	4.580	43	2373	1.925	ug/l #	82
29) Tetrahydrofuran	5.038	42	265	0.362	ug/l #	40
31) Cyclohexane	5.556	56	2662	0.971	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10077	4.405	ug/l #	50
38) Carbon Tetrachloride	5.550	117	13620	5.789	ug/l #	17
43) Isopropyl Acetate	6.336	43	12172	3.257	ug/l	99
48) Methyl methacrylate	7.598	41	3640	1.965	ug/l #	16
49) 1,4-Dioxane	7.787	88	38	1.250	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	45630	20.582	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	21305	8.825	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	11955	4.558	ug/l #	43
59) 2-Hexanone	9.482	43	165685	97.644	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	48893	24.908	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	48893	75.730	ug/l #	3

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

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Quant Time: Feb 02 04:36:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
Quant Title : SW846 8260
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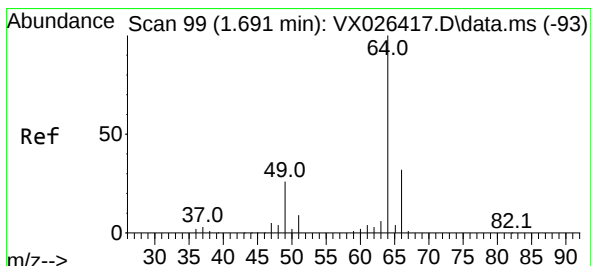
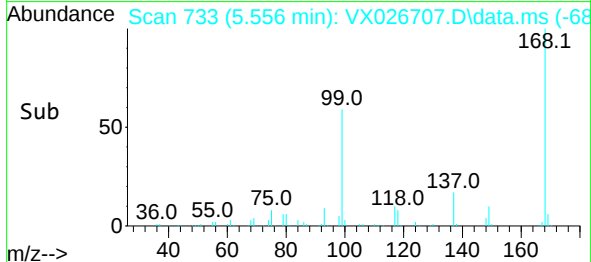
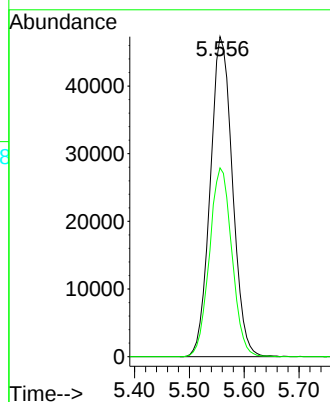
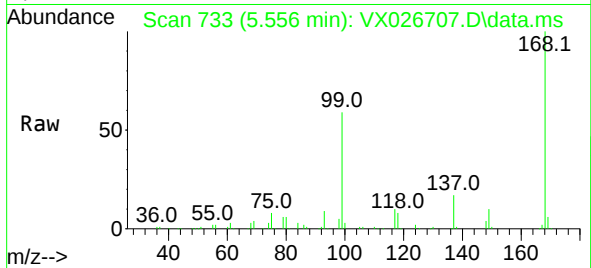




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026707.D
Acq: 01 Feb 2022 15:20

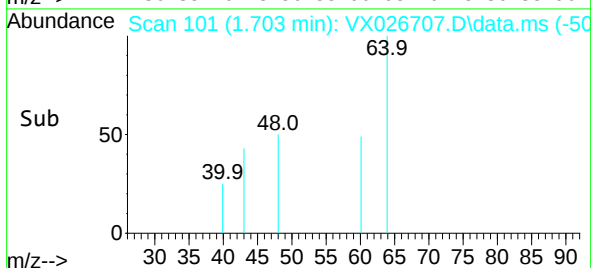
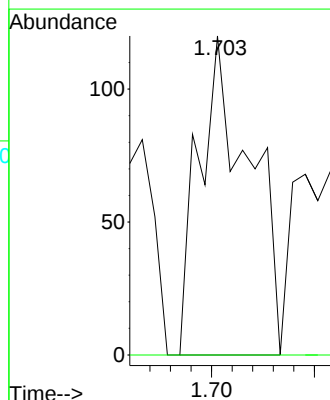
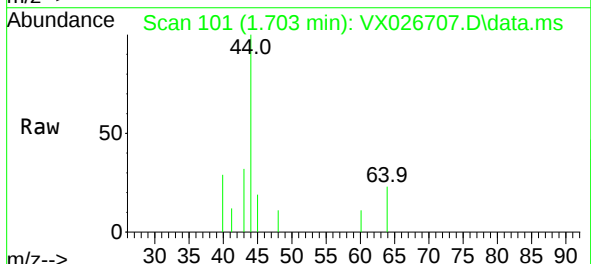
Instrument :
MSVOA_X
ClientSampleId :
PB142403TB

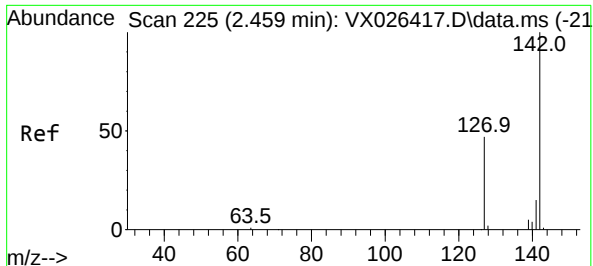
Tgt Ion:168 Resp: 133087
Ion Ratio Lower Upper
168 100
99 59.0 50.3 75.5



#6
Chloroethane
Concen: 0.268 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.012 min
Lab File: VX026707.D
Acq: 01 Feb 2022 15:20

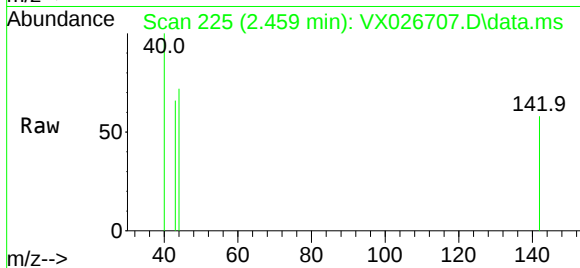
Tgt Ion: 64 Resp: 205
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



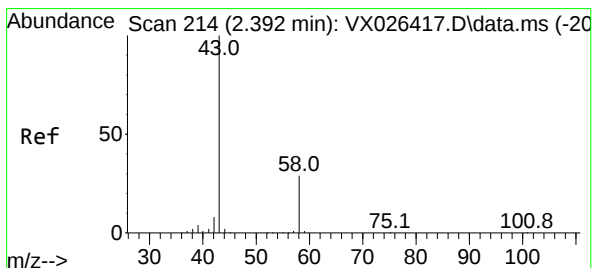
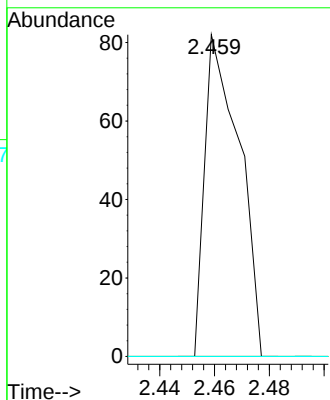
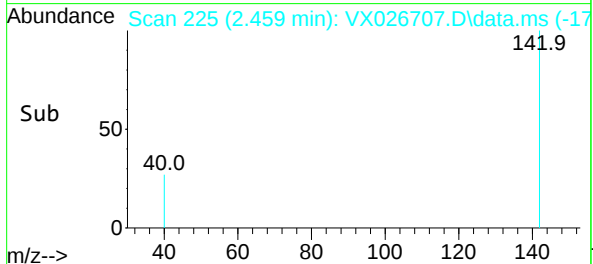


#10
Methyl Iodide
Concen: 4.487 ug/l
RT: 2.459 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX026707.D
Acq: 01 Feb 2022 15:20

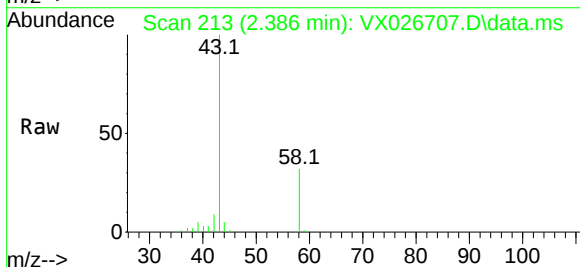
Instrument :
MSVOA_X
ClientSampleId :
PB142403TB



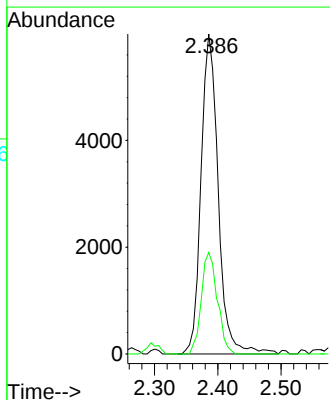
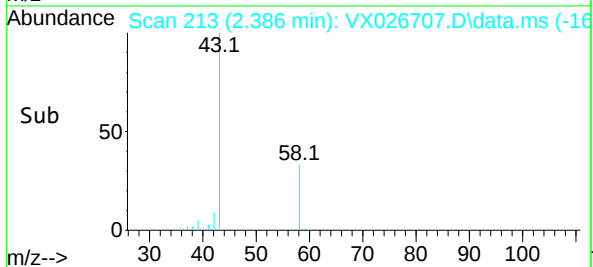
Tgt Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 38.1 57.1#
141 0.0 11.2 16.8#

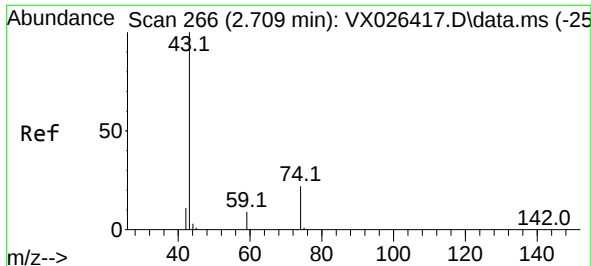


#16
Acetone
Concen: 11.974 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX026707.D
Acq: 01 Feb 2022 15:20



Tgt Ion: 43 Resp: 11352
Ion Ratio Lower Upper
43 100
58 31.7 23.0 34.6

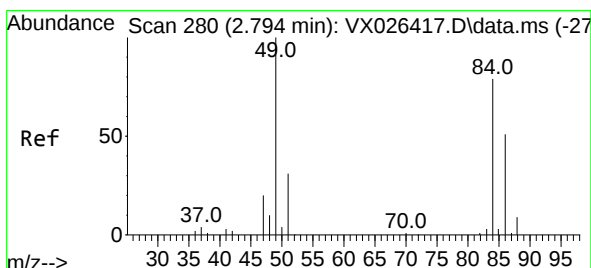
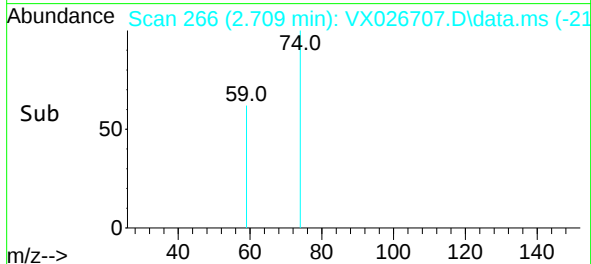
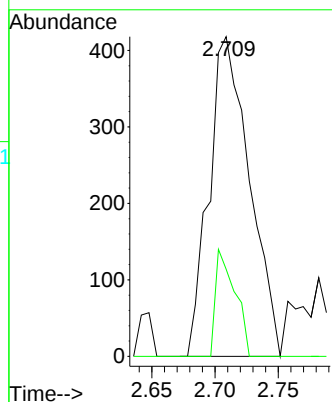
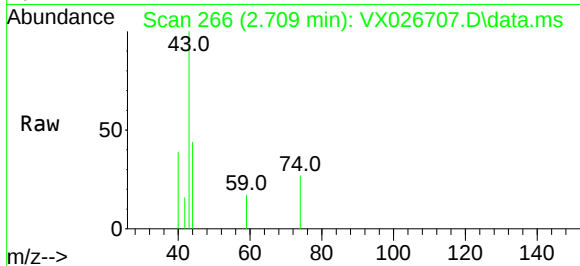




#18
Methyl Acetate
Concen: 0.494 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX026707.D
Acq: 01 Feb 2022 15:20

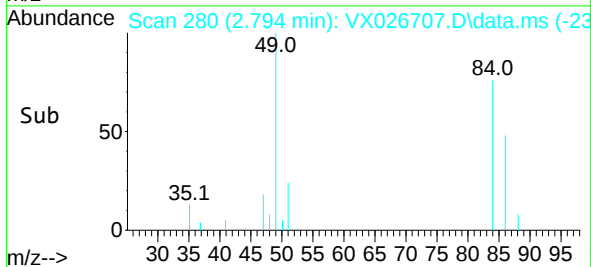
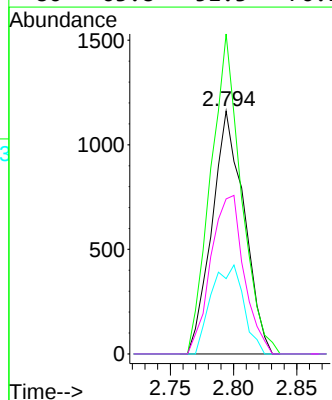
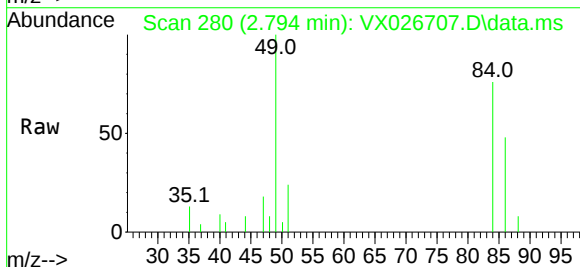
Instrument :
MSVOA_X
ClientSampleId :
PB142403TB

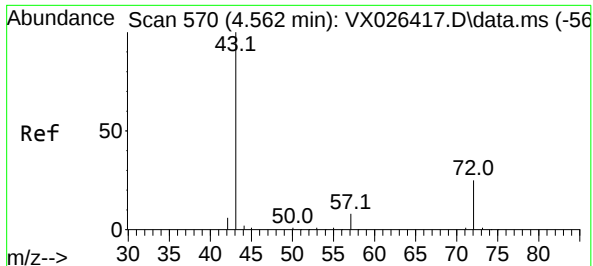
Tgt Ion: 43 Resp: 931
Ion Ratio Lower Upper
43 100
74 16.1 18.3 27.5#



#20
Methylene Chloride
Concen: 1.309 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX026707.D
Acq: 01 Feb 2022 15:20

Tgt Ion: 84 Resp: 2050
Ion Ratio Lower Upper
84 100
49 131.8 101.5 152.3
51 31.0 31.2 46.8#
86 63.8 51.3 76.9





#25

2-Butanone

Concen: 1.925 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX026707.D

Acq: 01 Feb 2022 15:20

Instrument :

MSVOA_X

ClientSampleId :

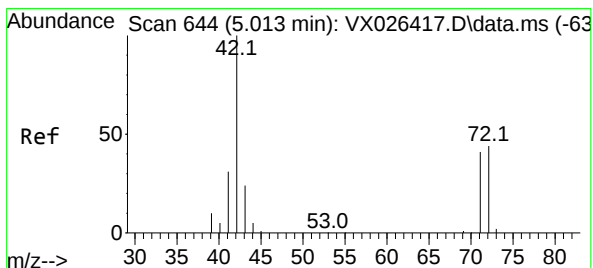
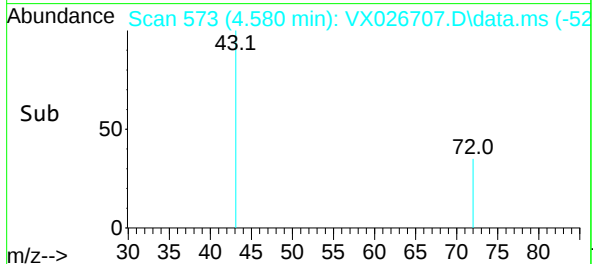
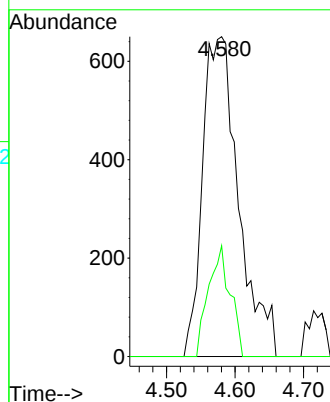
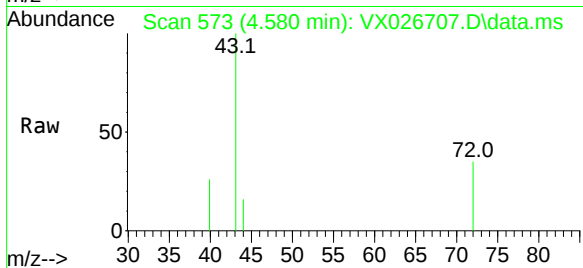
PB142403TB

Tgt Ion: 43 Resp: 2373

Ion Ratio Lower Upper

43 100

72 34.6 20.4 30.6#



#29

Tetrahydrofuran

Concen: 0.362 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.024 min

Lab File: VX026707.D

Acq: 01 Feb 2022 15:20

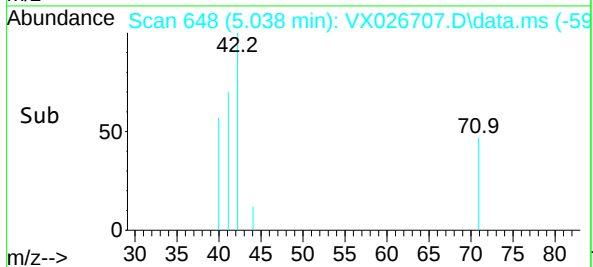
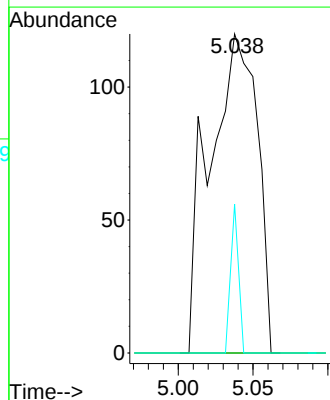
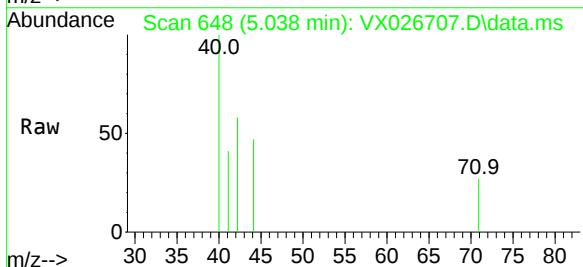
Tgt Ion: 42 Resp: 265

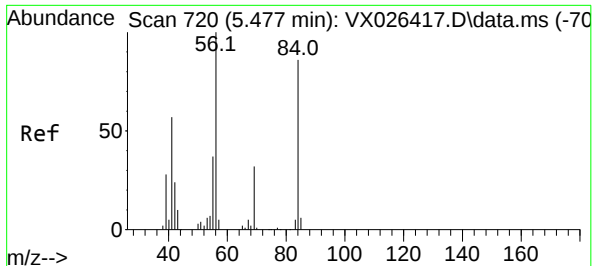
Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

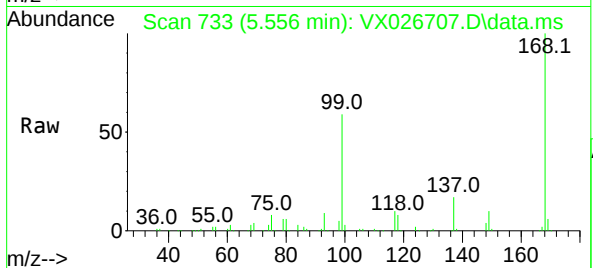
71 7.5 31.8 47.8#



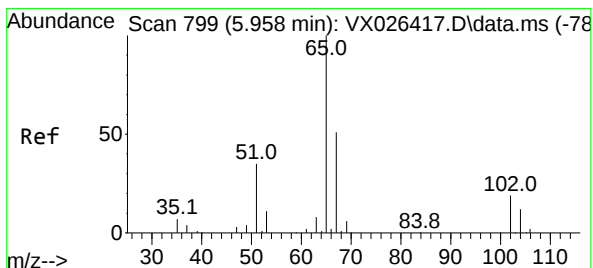
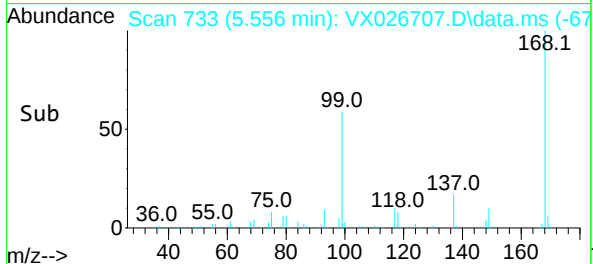
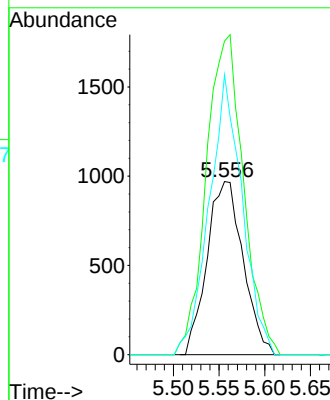


#31
Cyclohexane
Concen: 0.971 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX026707.D
Acq: 01 Feb 2022 15:20

Instrument :
MSVOA_X
ClientSampleId :
PB142403TB

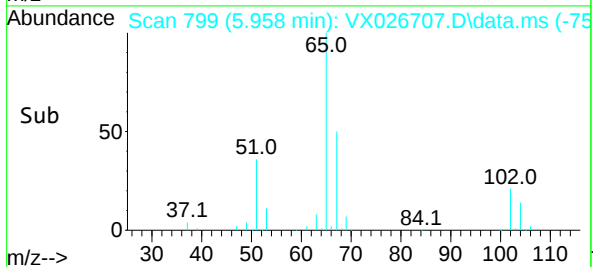
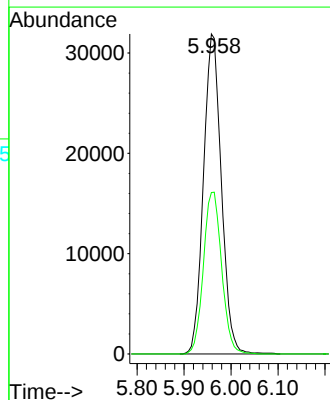
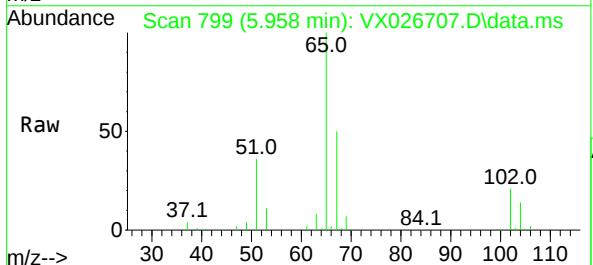


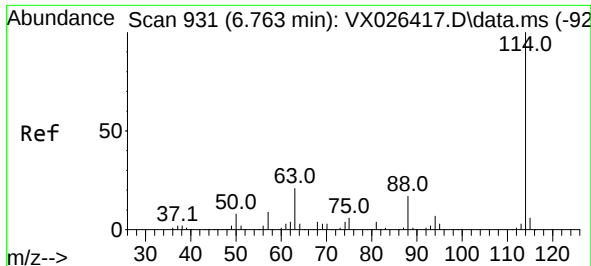
Tgt Ion: 56 Resp: 2662
Ion Ratio Lower Upper
56 100
69 181.1 25.8 38.6#
84 161.8 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 45.252 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX026707.D
Acq: 01 Feb 2022 15:20

Tgt Ion: 65 Resp: 84130
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.8

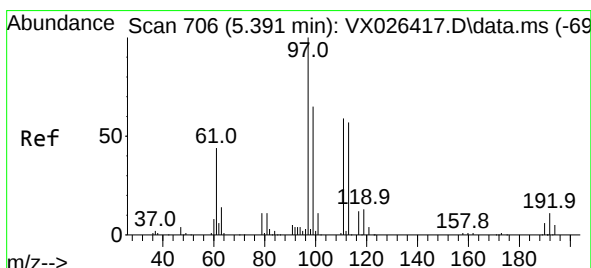
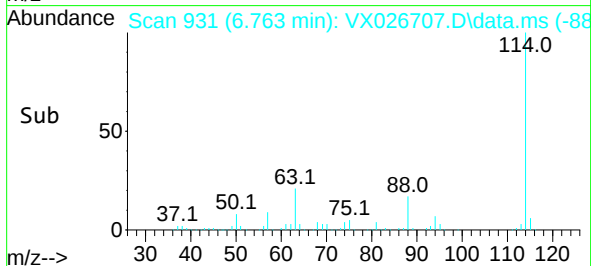
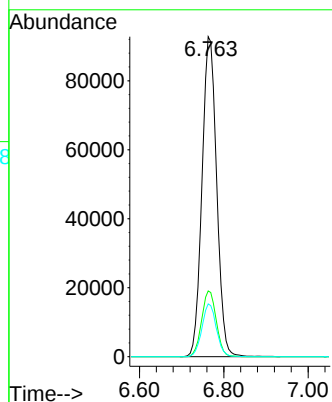
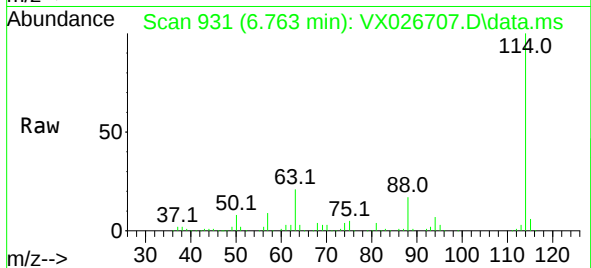




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX026707.D
Acq: 01 Feb 2022 15:20

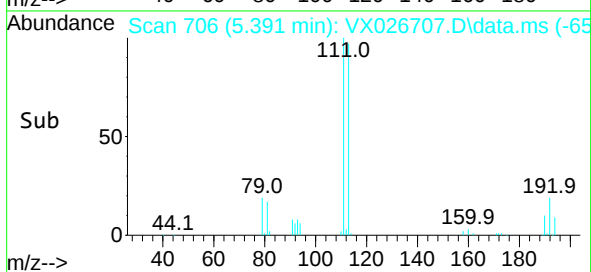
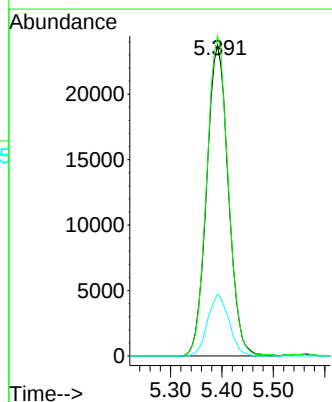
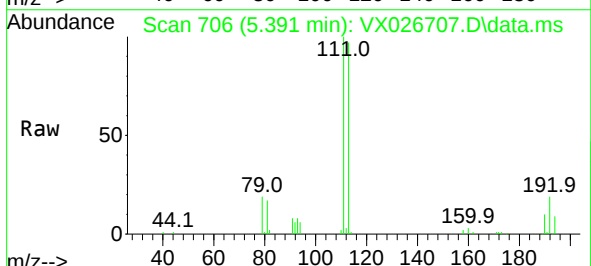
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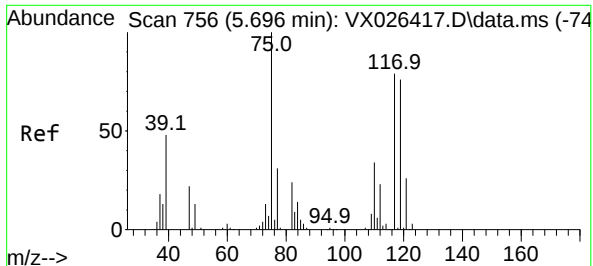
Tgt Ion:114 Resp: 224380
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.8
88 16.5 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.114 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026707.D
Acq: 01 Feb 2022 15:20

Tgt Ion:113 Resp: 69716
Ion Ratio Lower Upper
113 100
111 101.8 81.2 121.8
192 19.5 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.405 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX026707.D

Acq: 01 Feb 2022 15:20

Instrument :

MSVOA_X

ClientSampleId :

PB142403TB

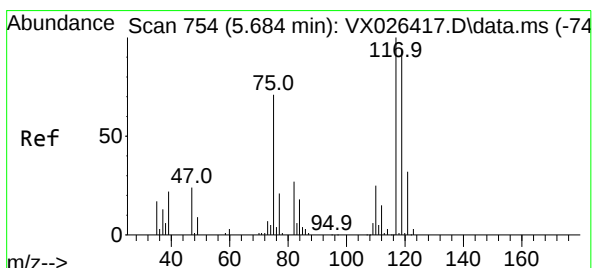
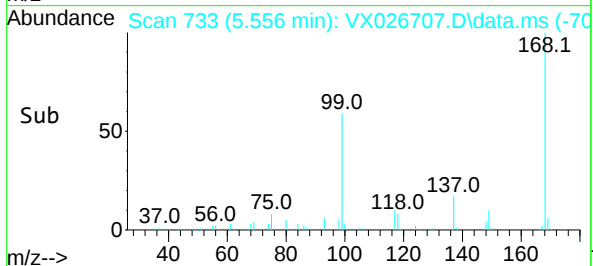
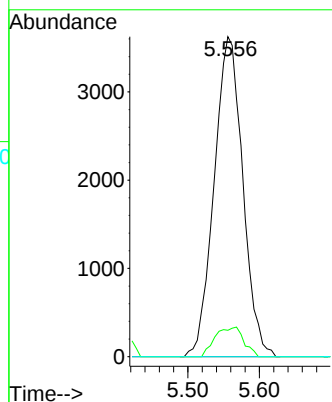
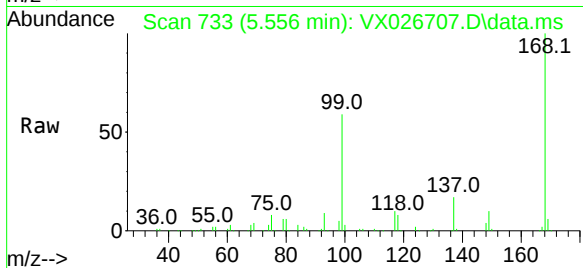
Tgt Ion: 75 Resp: 10077

Ion Ratio Lower Upper

75 100

110 9.2 17.2 51.6#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.789 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX026707.D

Acq: 01 Feb 2022 15:20

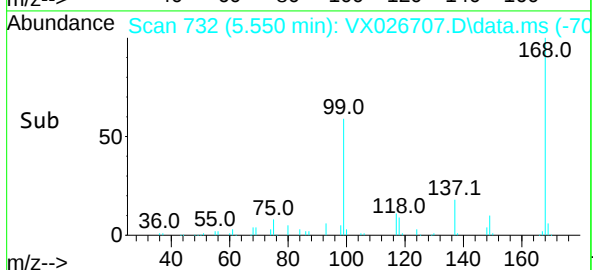
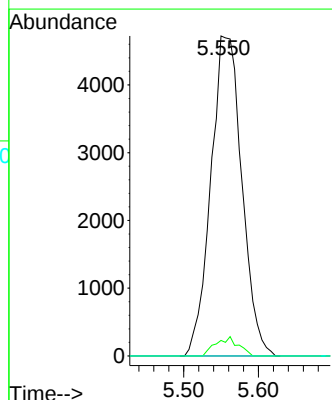
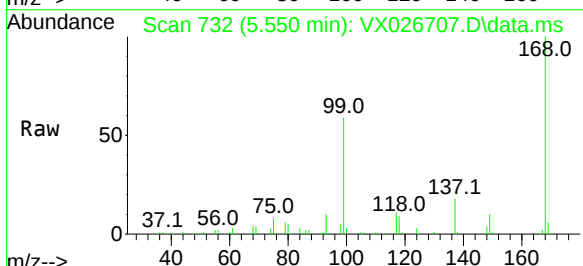
Tgt Ion: 117 Resp: 13620

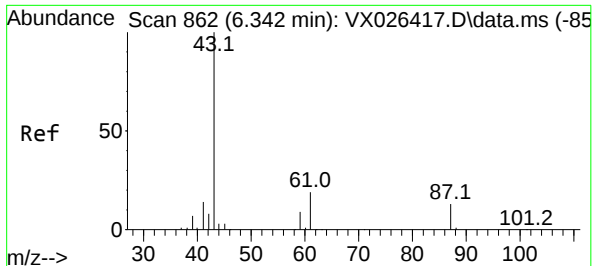
Ion Ratio Lower Upper

117 100

119 4.9 74.7 112.1#

121 0.0 25.4 38.0#

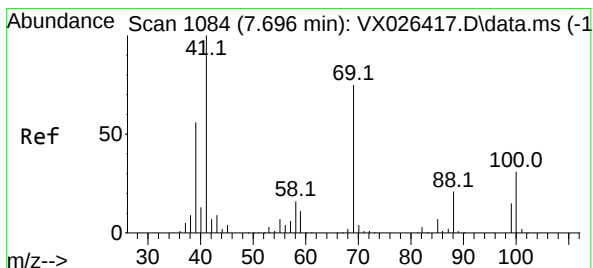
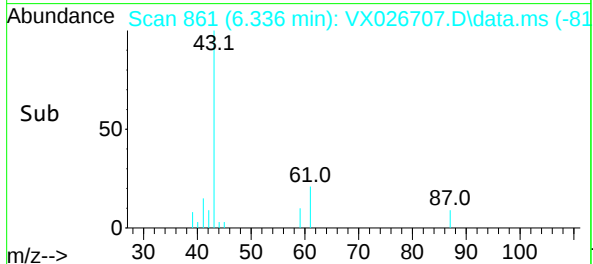
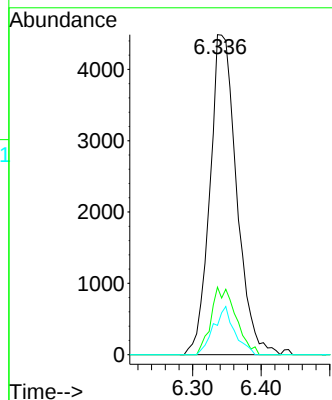
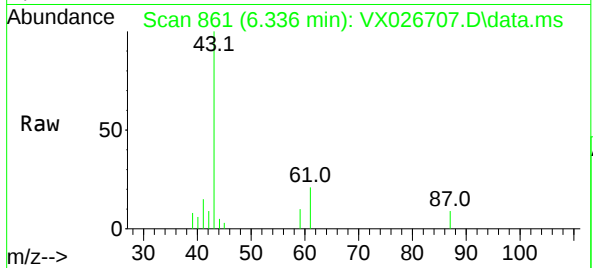




#43
Isopropyl Acetate
Concen: 3.257 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX026707.D
Acq: 01 Feb 2022 15:20

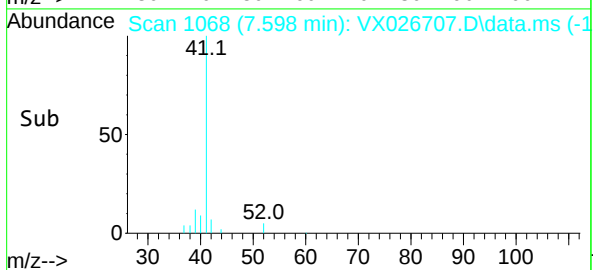
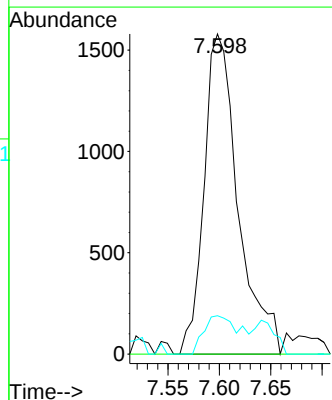
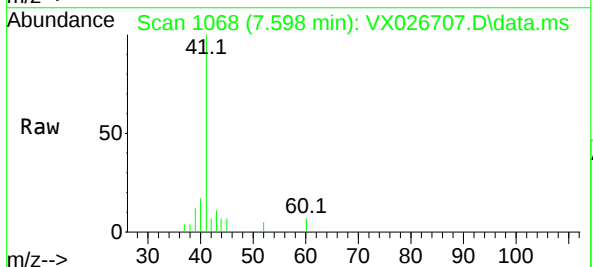
Instrument :
MSVOA_X
ClientSampleId :
PB142403TB

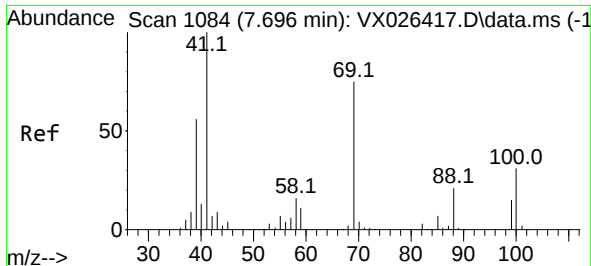
Tgt Ion: 43 Resp: 12172
Ion Ratio Lower Upper
43 100
61 19.6 15.4 23.0
87 11.7 10.2 15.2



#48
Methyl methacrylate
Concen: 1.965 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX026707.D
Acq: 01 Feb 2022 15:20

Tgt Ion: 41 Resp: 3640
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 0.0 45.4 68.0#





#49

1,4-Dioxane

Concen: 1.250 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.091 min

Lab File: VX026707.D

Acq: 01 Feb 2022 15:20

Instrument :

MSVOA_X

ClientSampleId :

PB142403TB

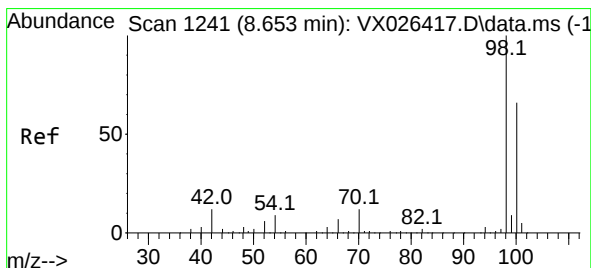
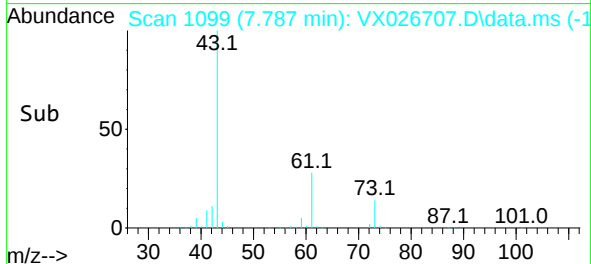
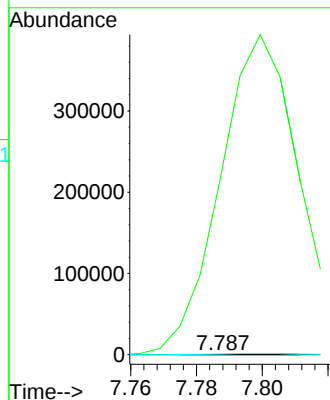
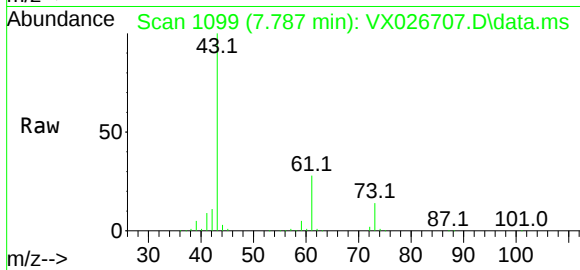
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 1757031.6 29.9 44.9#

58 6631.6 57.8 86.6#



#50

Toluene-d8

Concen: 50.870 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX026707.D

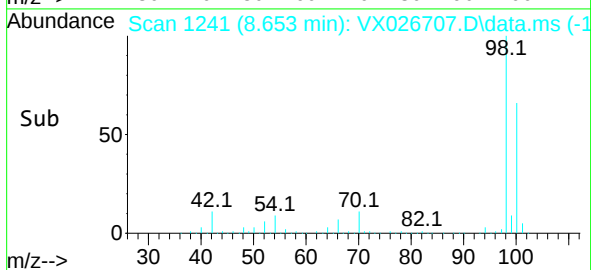
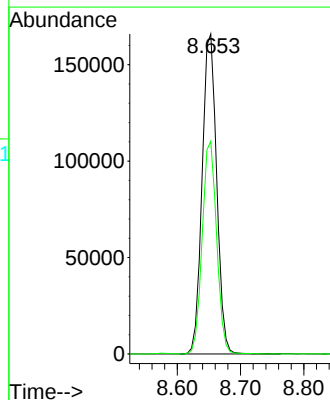
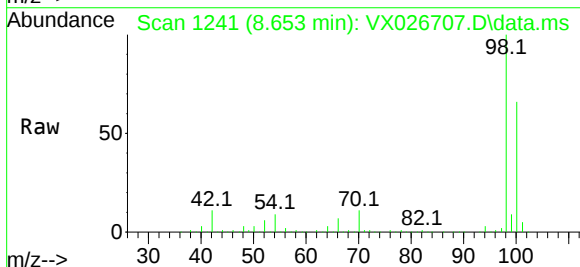
Acq: 01 Feb 2022 15:20

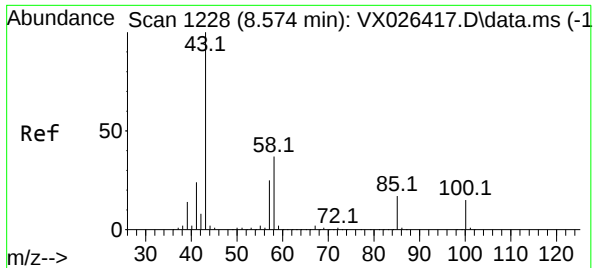
Tgt Ion: 98 Resp: 265617

Ion Ratio Lower Upper

98 100

100 66.0 53.2 79.8

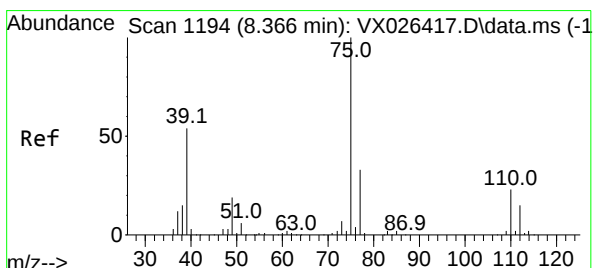
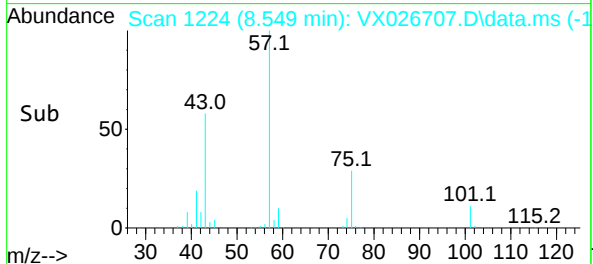
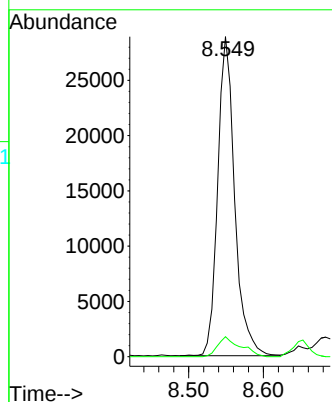
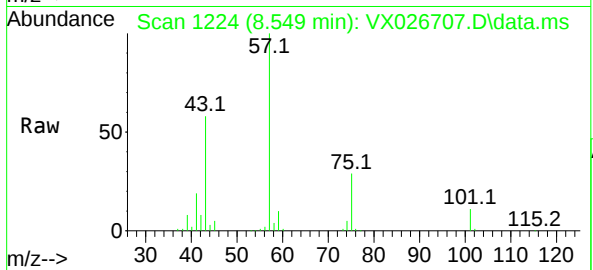




#51
4-Methyl-2-Pentanone
Concen: 20.582 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX026707.D
Acq: 01 Feb 2022 15:20

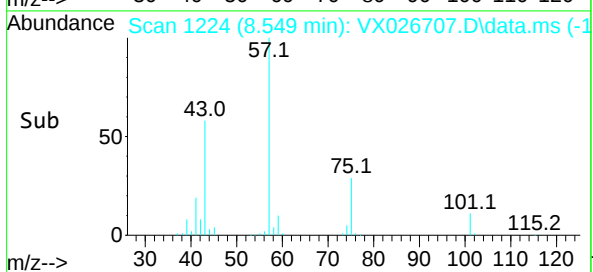
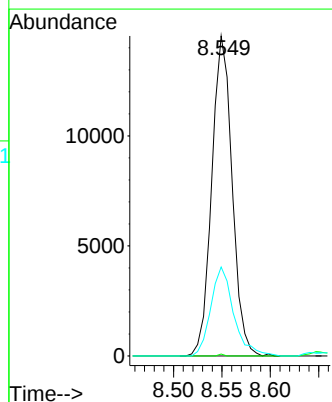
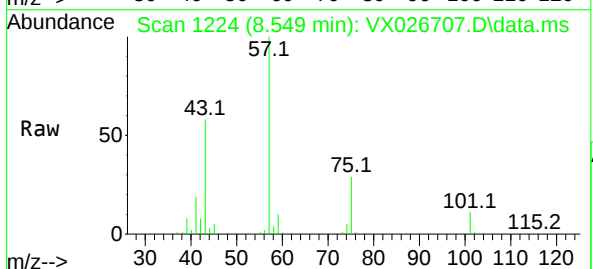
Instrument :
MSVOA_X
ClientSampleId :
PB142403TB

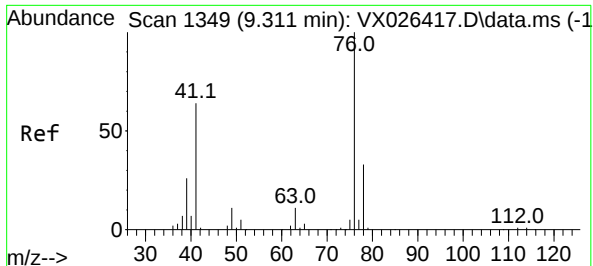
Tgt Ion: 43 Resp: 45630
Ion Ratio Lower Upper
43 100
58 8.3 30.5 45.7#



#54
cis-1,3-Dichloropropene
Concen: 8.825 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX026707.D
Acq: 01 Feb 2022 15:20

Tgt Ion: 75 Resp: 21305
Ion Ratio Lower Upper
75 100
77 0.6 26.2 39.2#
39 27.8 43.5 65.3#





#57

1,3-Dichloropropane

Concen: 4.558 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX026707.D

Acq: 01 Feb 2022 15:20

Instrument :

MSVOA_X

ClientSampleId :

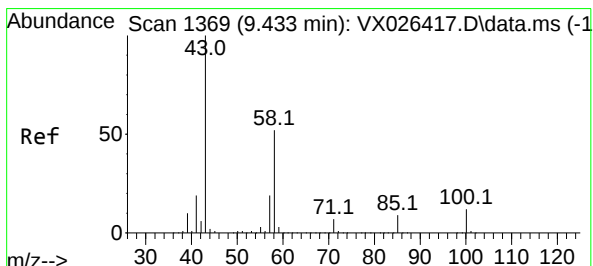
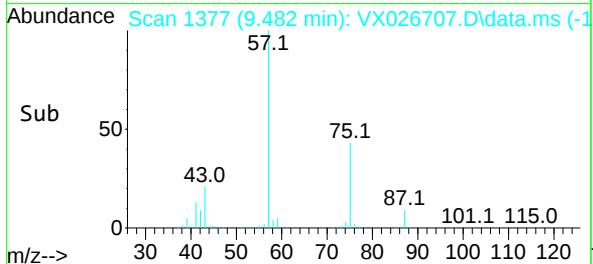
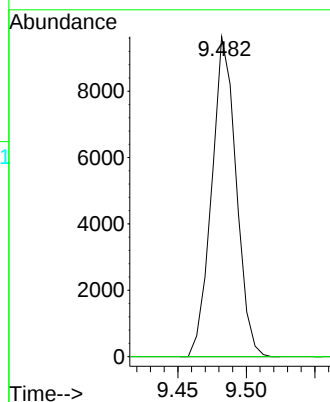
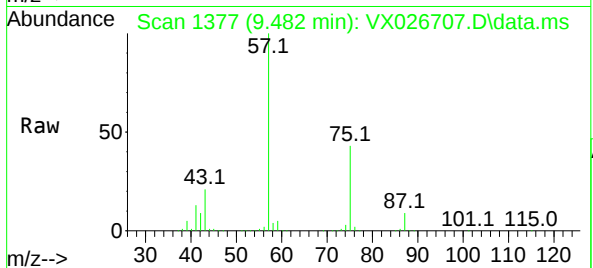
PB142403TB

Tgt Ion: 76 Resp: 11955

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 97.644 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX026707.D

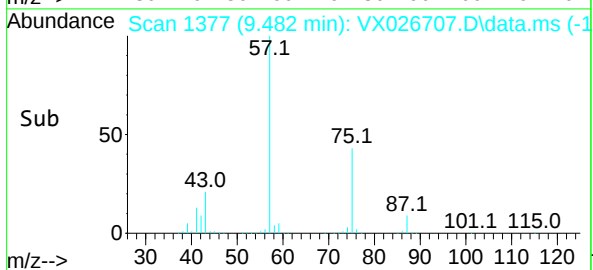
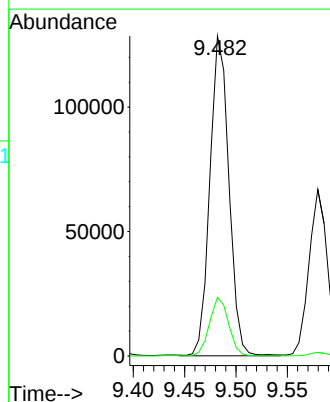
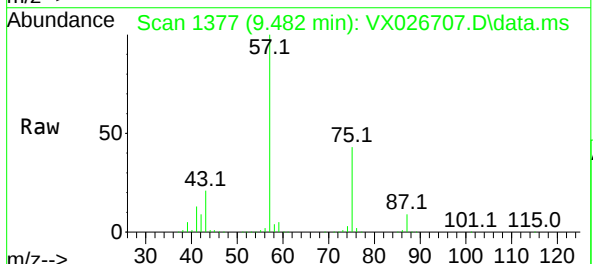
Acq: 01 Feb 2022 15:20

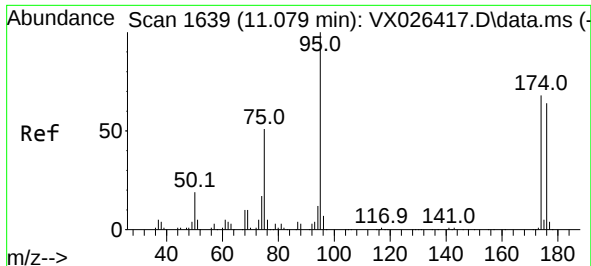
Tgt Ion: 43 Resp: 165685

Ion Ratio Lower Upper

43 100

58 18.4 26.4 79.2#

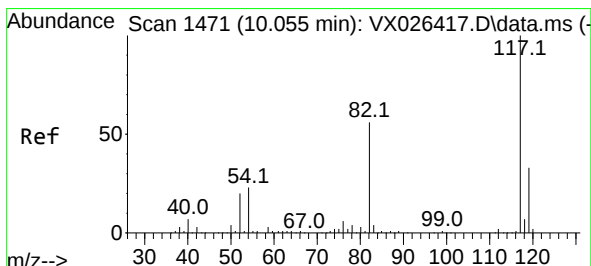
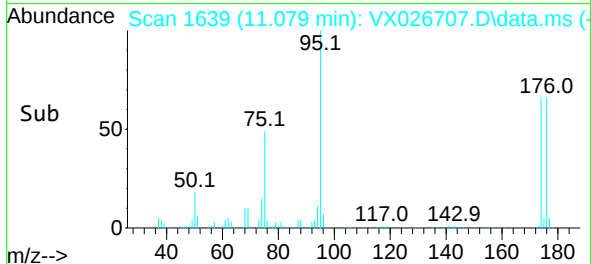
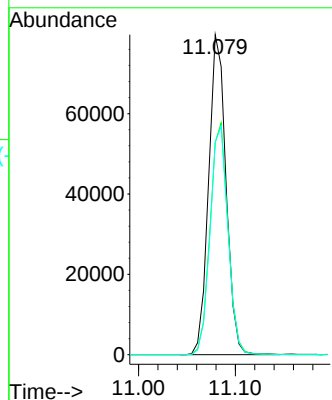
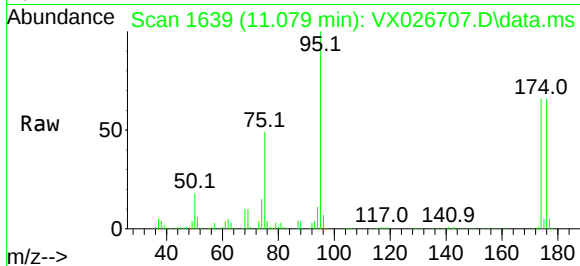




#62
4-Bromofluorobenzene
Concen: 53.670 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026707.D
Acq: 01 Feb 2022 15:20

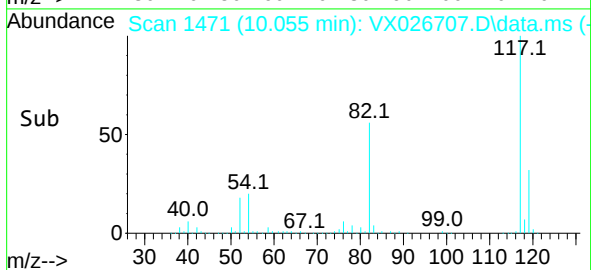
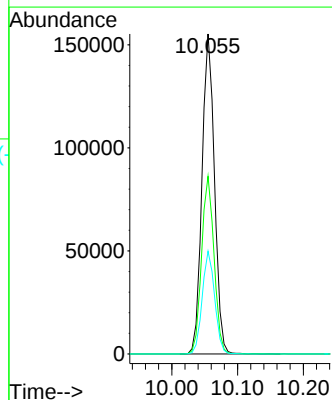
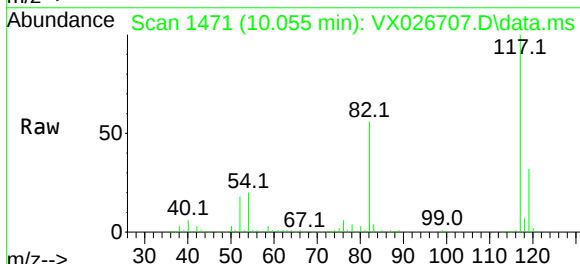
Instrument :
MSVOA_X
ClientSampleId :
PB142403TB

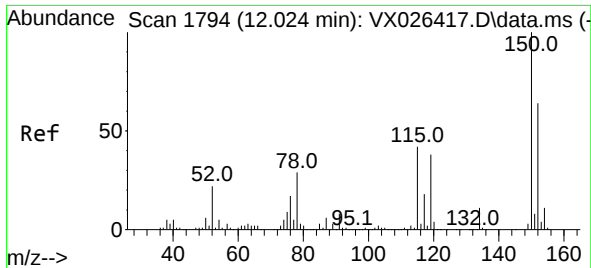
Tgt Ion: 95 Resp: 99551
Ion Ratio Lower Upper
95 100
174 74.7 0.0 148.6
176 73.0 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026707.D
Acq: 01 Feb 2022 15:20

Tgt Ion: 117 Resp: 204860
Ion Ratio Lower Upper
117 100
82 55.5 45.2 67.8
119 32.1 26.2 39.2

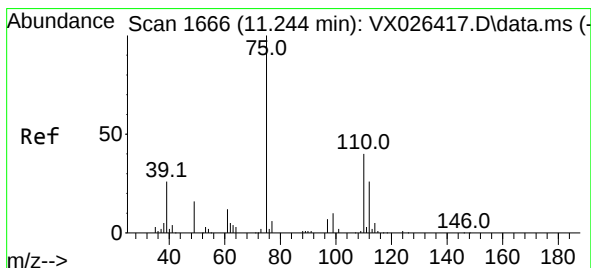
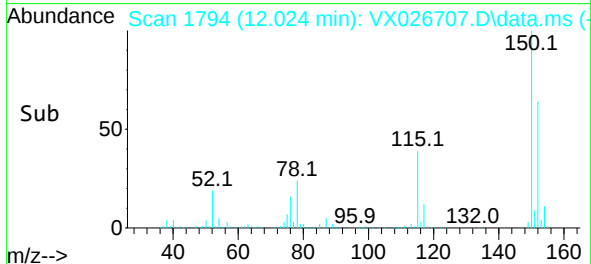
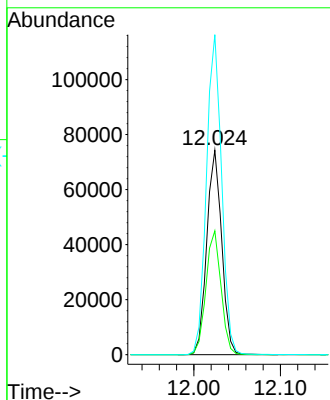
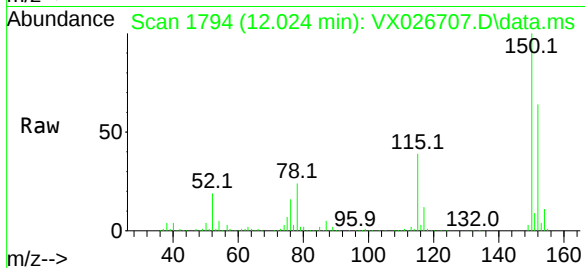




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX026707.D
 Acq: 01 Feb 2022 15:20

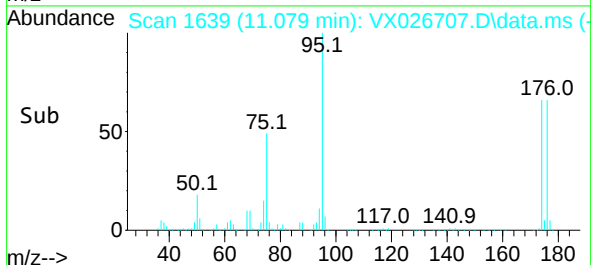
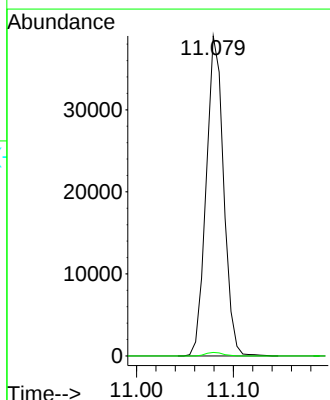
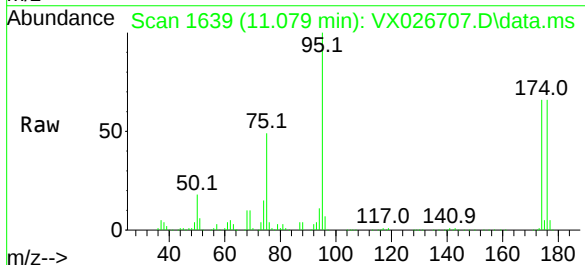
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142403TB

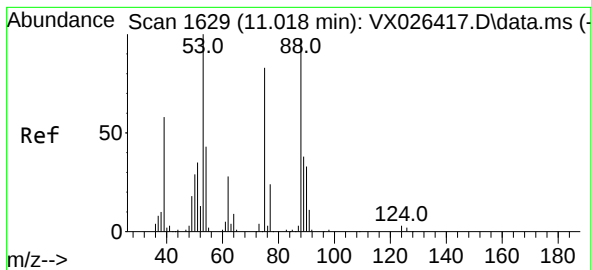
Tgt Ion:152 Resp: 89151
 Ion Ratio Lower Upper
 152 100
 115 61.1 44.2 132.6
 150 158.9 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 24.908 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX026707.D
 Acq: 01 Feb 2022 15:20

Tgt Ion: 75 Resp: 48893
 Ion Ratio Lower Upper
 75 100
 77 1.1 18.3 54.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.730 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX026707.D
 Acq: 01 Feb 2022 15:20

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142403TB

Tgt Ion: 75 Resp: 48893
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.0 141.0#
 89 0.0 37.0 55.4#

