

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020222\
 Data File : VX026744.D
 Acq On : 02 Feb 2022 18:06
 Operator : JC/MD
 Sample : PB142421ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142421ZHE#03

Quant Time: Feb 03 03:08:42 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)

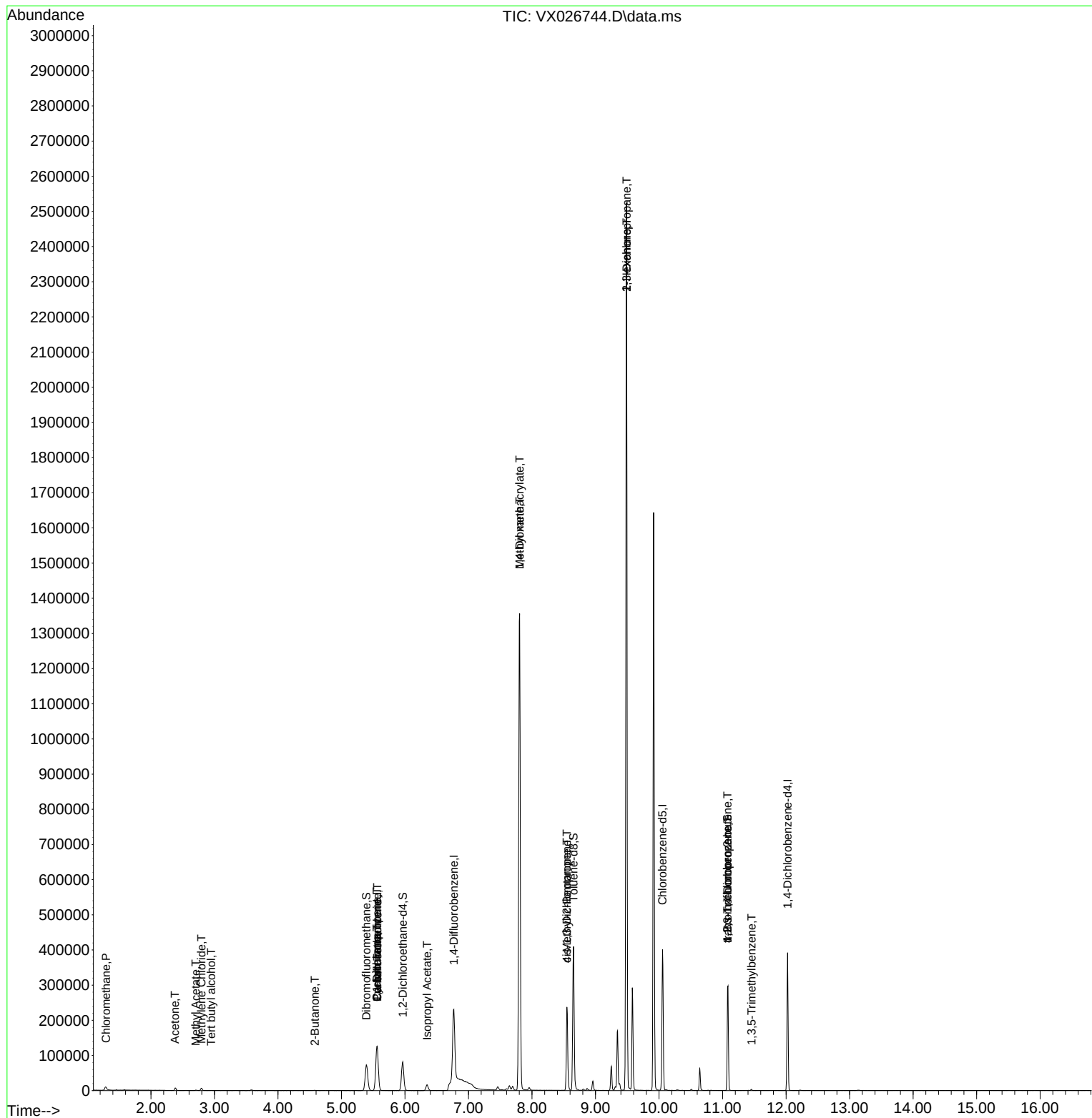
Internal Standards						
1) Pentafluorobenzene	5.562	168	121199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	206330	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	77907	46.016	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.040%		
35) Dibromofluoromethane	5.391	113	64455	48.375	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.740%		
50) Toluene-d8	8.653	98	237182	49.398	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.800%		
62) 4-Bromofluorobenzene	11.079	95	83773	49.115	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.220%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	402	0.306	ug/l #	42
11) Tert butyl alcohol	2.947	59	279	1.185	ug/l #	75
16) Acetone	2.380	43	8615	9.978	ug/l	99
18) Methyl Acetate	2.703	43	2051	1.195	ug/l #	85
20) Methylene Chloride	2.794	84	3094	2.169	ug/l	90
25) 2-Butanone	4.580	43	1747	1.556	ug/l	93
31) Cyclohexane	5.556	56	2414	0.967	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9085	4.319	ug/l #	51
38) Carbon Tetrachloride	5.562	117	12119	5.601	ug/l #	17
43) Isopropyl Acetate	6.348	43	22902	6.663	ug/l	100
48) Methyl methacrylate	7.806	41	115525	67.823	ug/l #	45
49) 1,4-Dioxane	7.806	88	157	5.617	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	80290	39.384	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	38091	17.157	ug/l #	56
57) 1,3-Dichloropropane	9.488	76	22178	9.195	ug/l #	43
59) 2-Hexanone	9.488	43	302334	193.764	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	40839	23.755	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.457	105	1673	0.317	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	40839	72.453	ug/l #	3

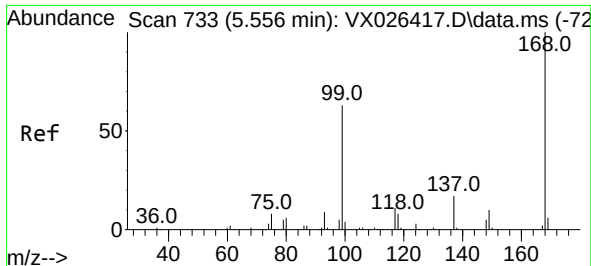
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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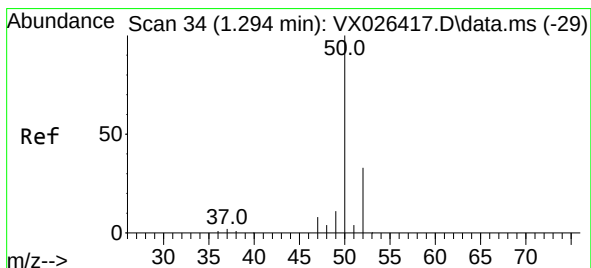
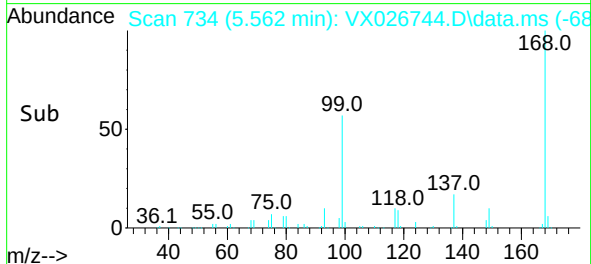
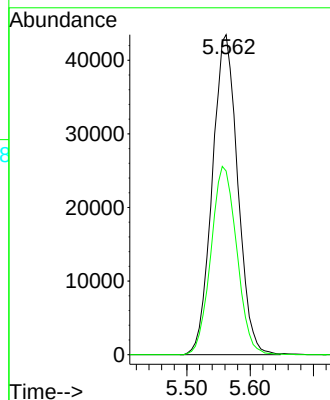
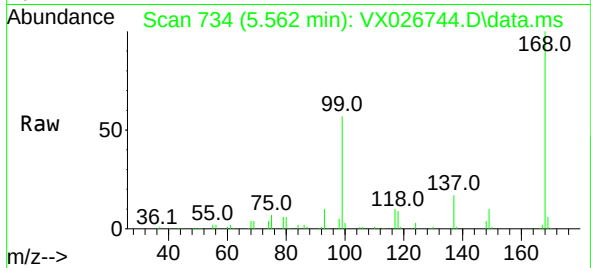




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026744.D
Acq: 02 Feb 2022 18:06

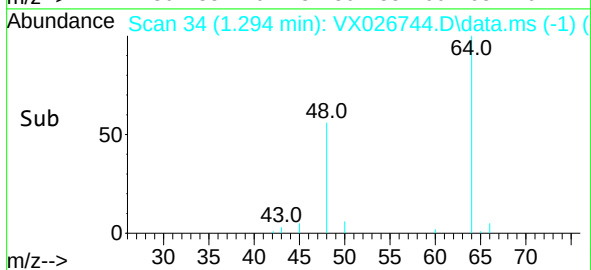
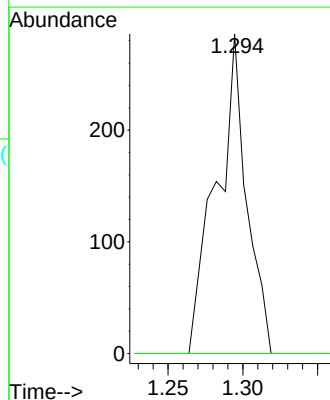
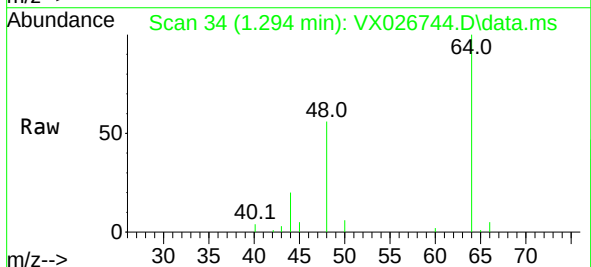
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#03

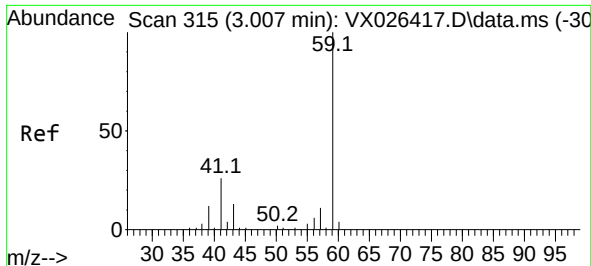
Tgt Ion:168 Resp: 121199
Ion Ratio Lower Upper
168 100
99 57.4 50.3 75.5



#3
Chloromethane
Concen: 0.306 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX026744.D
Acq: 02 Feb 2022 18:06

Tgt Ion: 50 Resp: 402
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

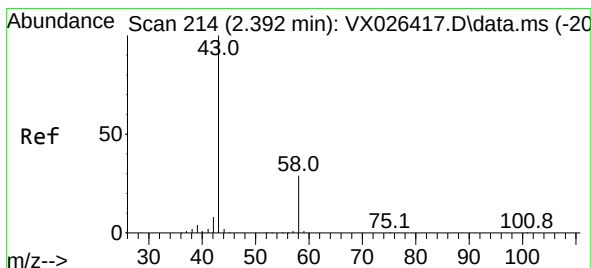
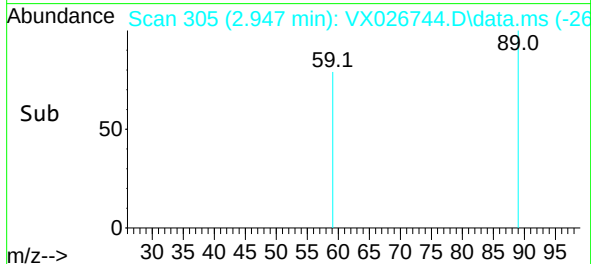
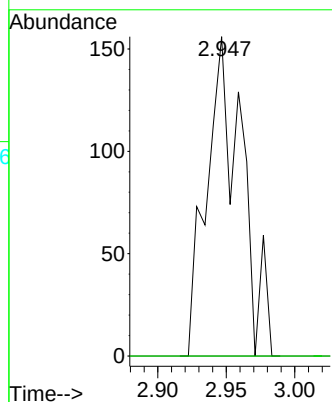
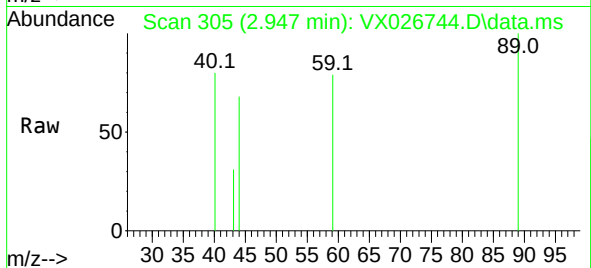




#11
Tert butyl alcohol
Concen: 1.185 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.060 min
Lab File: VX026744.D
Acq: 02 Feb 2022 18:06

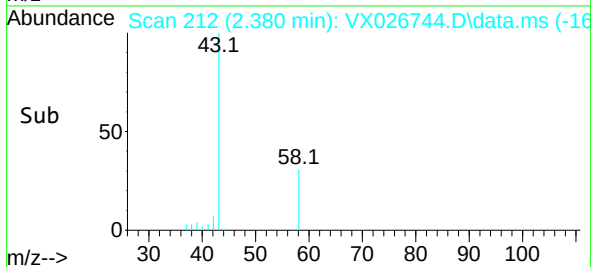
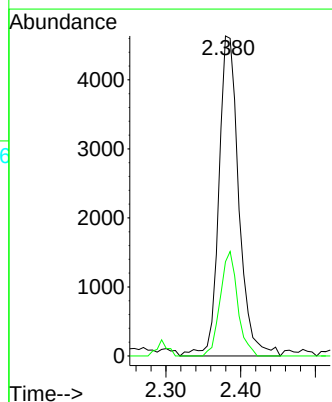
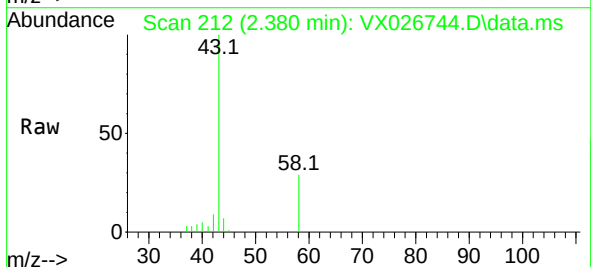
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#03

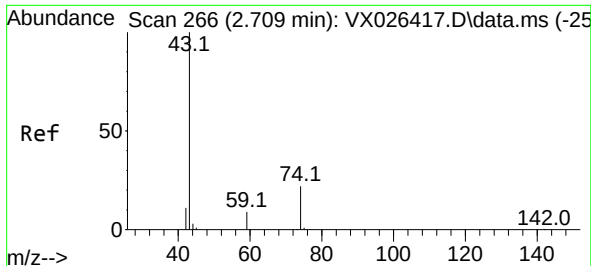
Tgt Ion: 59 Resp: 279
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 9.978 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX026744.D
Acq: 02 Feb 2022 18:06

Tgt Ion: 43 Resp: 8615
Ion Ratio Lower Upper
43 100
58 29.5 23.0 34.6

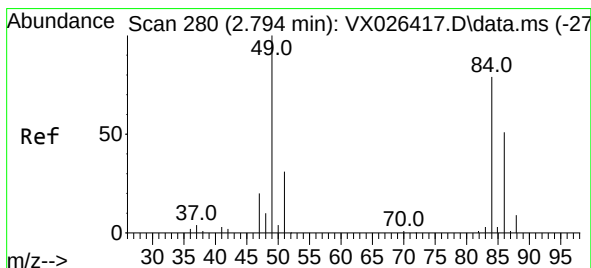
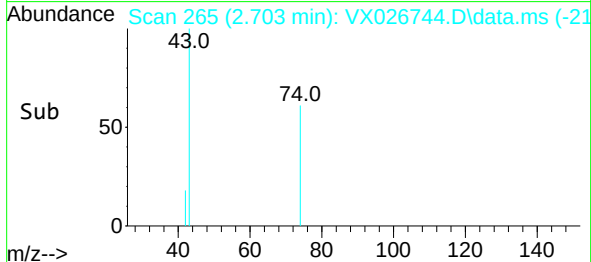
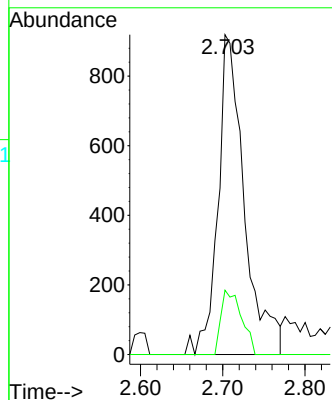
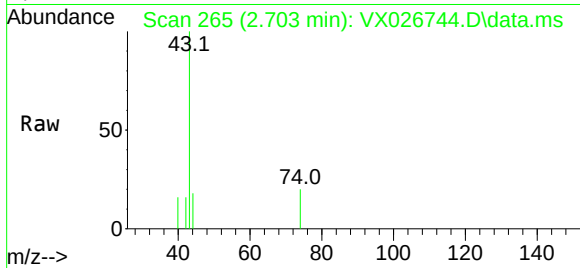




#18
Methyl Acetate
Concen: 1.195 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX026744.D
Acq: 02 Feb 2022 18:06

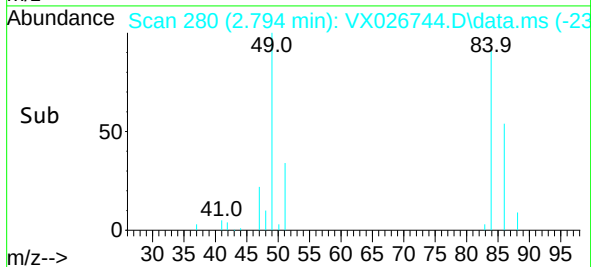
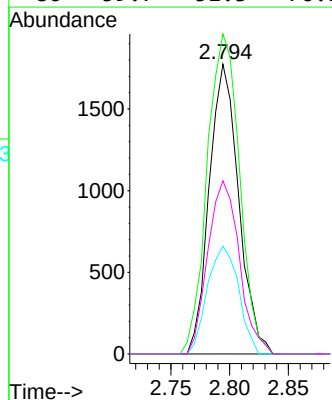
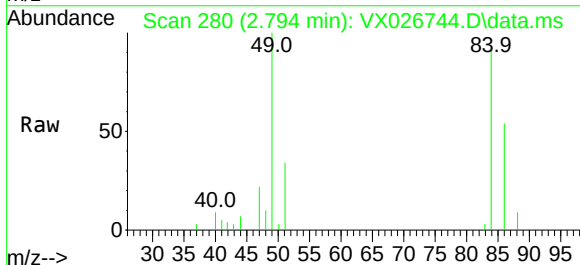
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#03

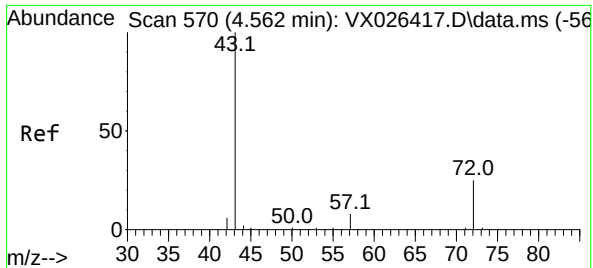
Tgt Ion: 43 Resp: 2051
Ion Ratio Lower Upper
43 100
74 15.6 18.3 27.5#



#20
Methylene Chloride
Concen: 2.169 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX026744.D
Acq: 02 Feb 2022 18:06

Tgt Ion: 84 Resp: 3094
Ion Ratio Lower Upper
84 100
49 110.4 101.5 152.3
51 37.2 31.2 46.8
86 59.7 51.3 76.9





#25

2-Butanone

Concen: 1.556 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX026744.D

Acq: 02 Feb 2022 18:06

Instrument :

MSVOA_X

ClientSampleId :

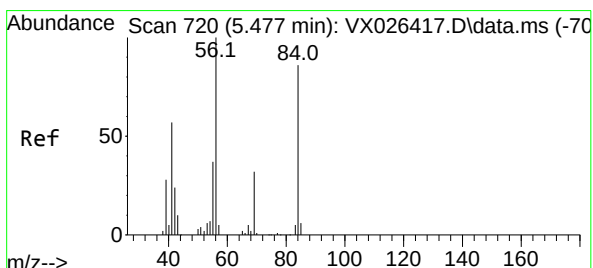
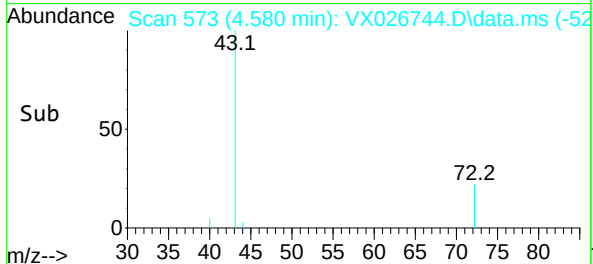
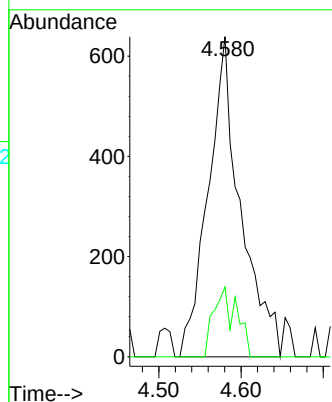
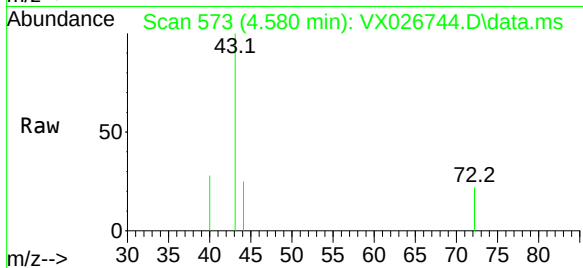
PB142421ZHE#03

Tgt Ion: 43 Resp: 1747

Ion Ratio Lower Upper

43 100

72 21.8 20.4 30.6



#31

Cyclohexane

Concen: 0.967 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX026744.D

Acq: 02 Feb 2022 18:06

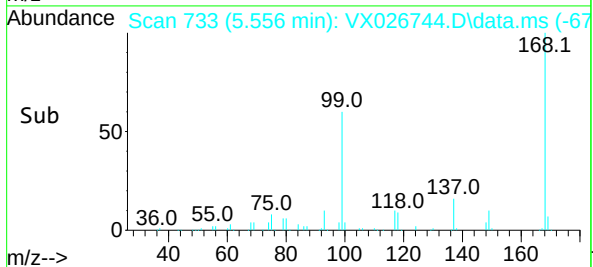
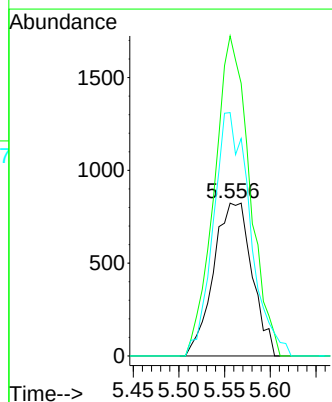
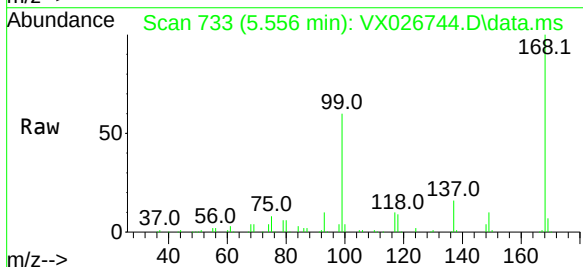
Tgt Ion: 56 Resp: 2414

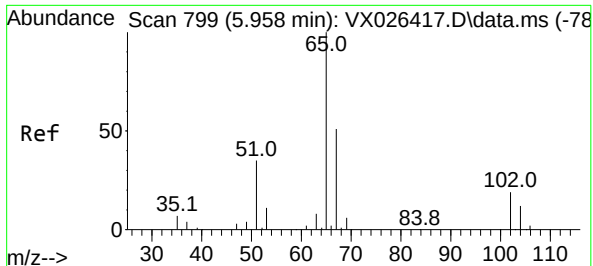
Ion Ratio Lower Upper

56 100

69 209.5 25.8 38.6#

84 159.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 46.016 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX026744.D

Acq: 02 Feb 2022 18:06

Instrument :

MSVOA_X

ClientSampleId :

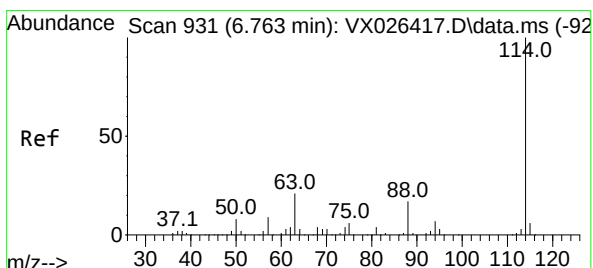
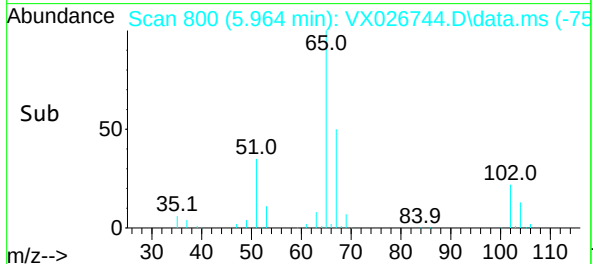
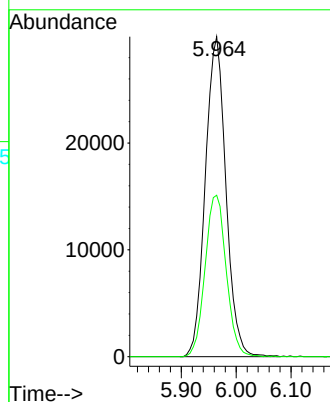
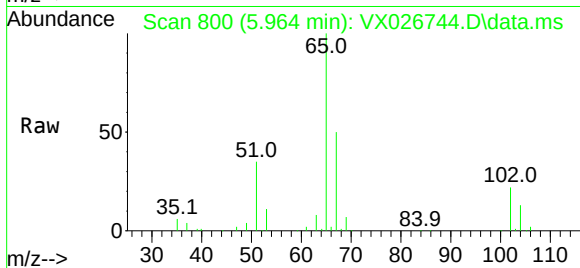
PB142421ZHE#03

Tgt Ion: 65 Resp: 77907

Ion Ratio Lower Upper

65 100

67 51.8 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX026744.D

Acq: 02 Feb 2022 18:06

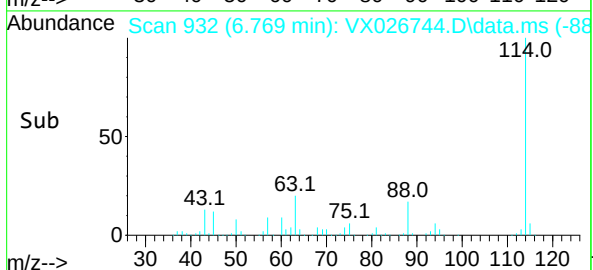
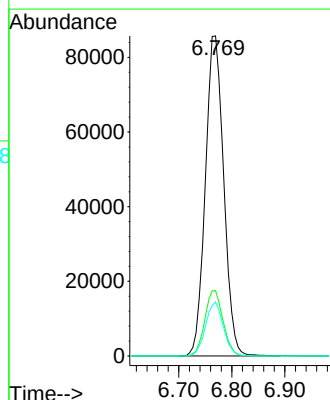
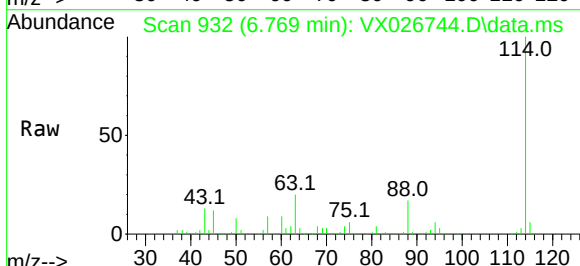
Tgt Ion: 114 Resp: 206330

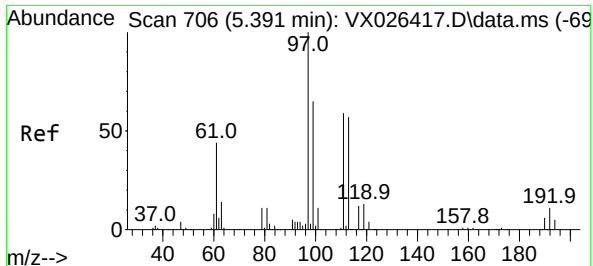
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.8

88 16.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.375 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026744.D

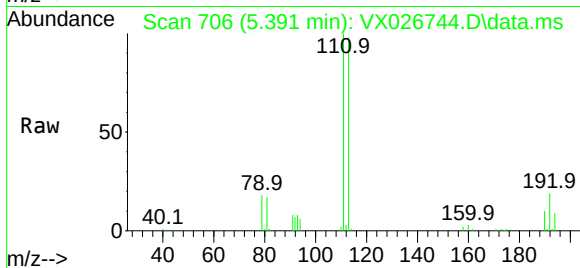
Acq: 02 Feb 2022 18:06

Instrument :

MSVOA_X

ClientSampleId :

PB142421ZHE#03



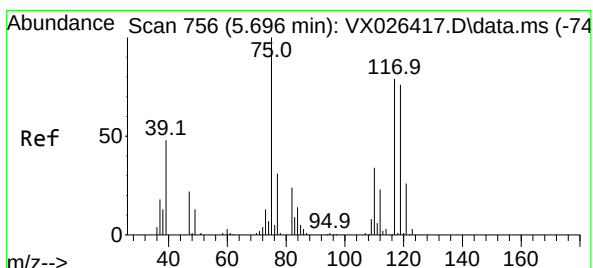
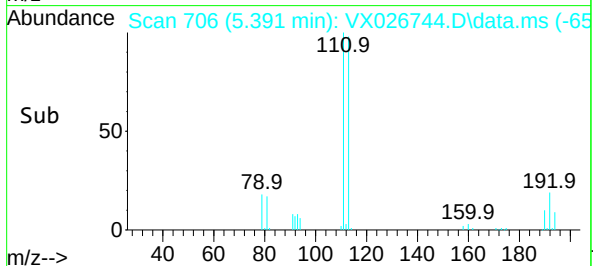
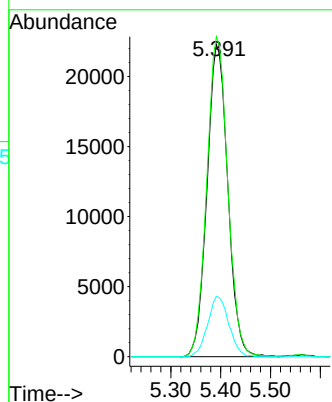
Tgt Ion:113 Resp: 64455

Ion Ratio Lower Upper

113 100

111 103.6 81.2 121.8

192 19.7 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.319 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX026744.D

Acq: 02 Feb 2022 18:06

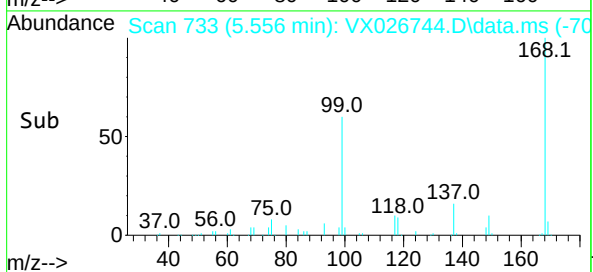
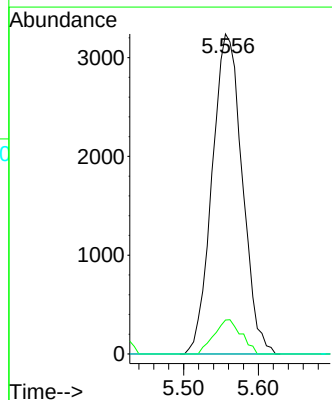
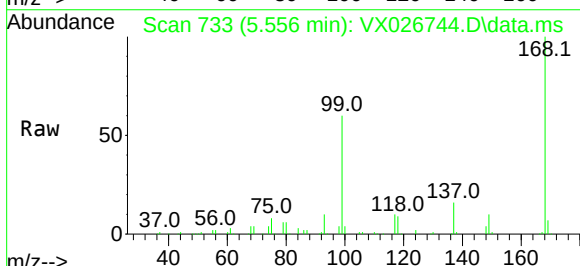
Tgt Ion: 75 Resp: 9085

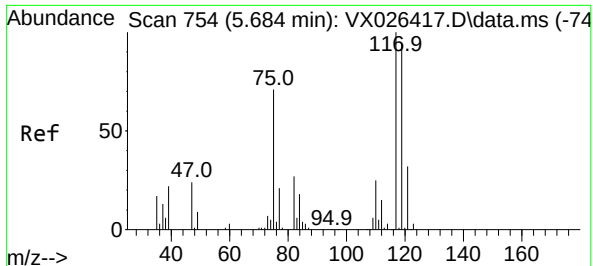
Ion Ratio Lower Upper

75 100

110 9.7 17.2 51.6#

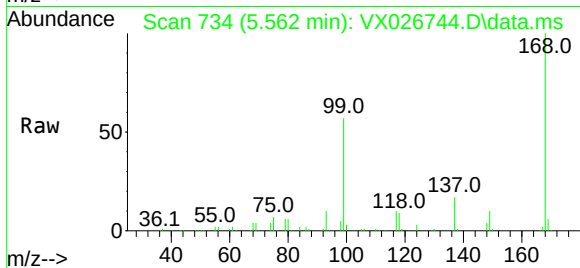
77 0.0 24.6 36.8#



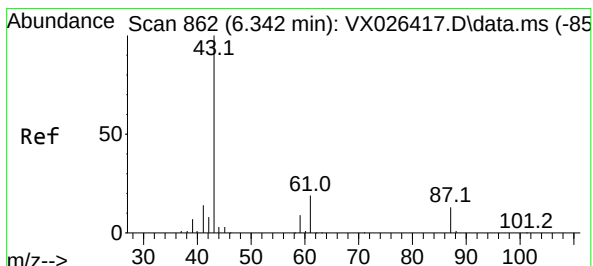
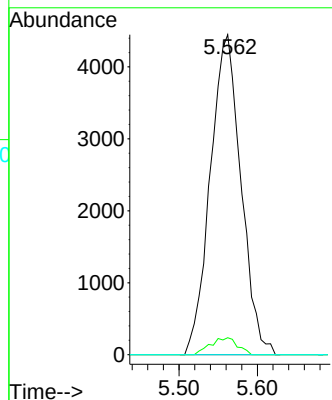
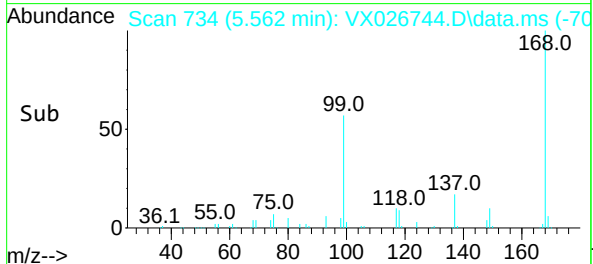


#38
Carbon Tetrachloride
Concen: 5.601 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX026744.D
Acq: 02 Feb 2022 18:06

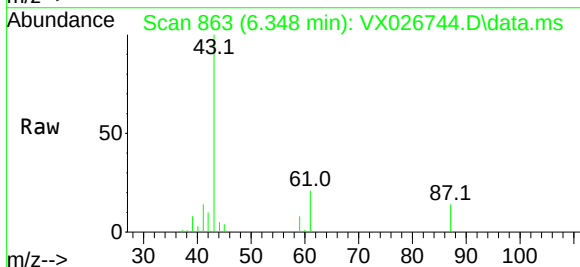
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#03



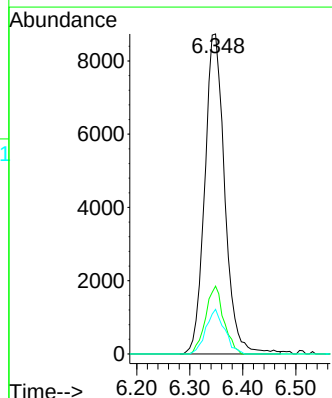
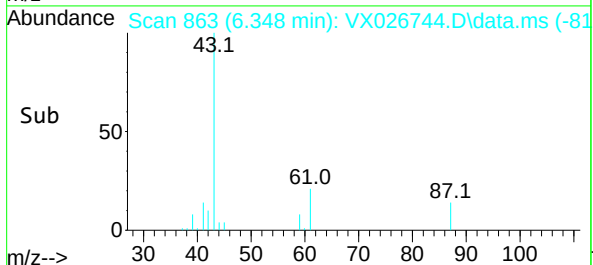
Tgt Ion:117 Resp: 12119
Ion Ratio Lower Upper
117 100
119 5.3 74.7 112.1#
121 0.0 25.4 38.0#

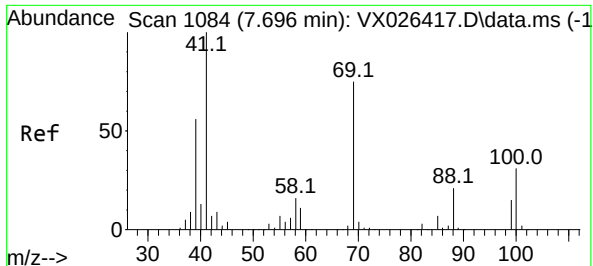


#43
Isopropyl Acetate
Concen: 6.663 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX026744.D
Acq: 02 Feb 2022 18:06



Tgt Ion: 43 Resp: 22902
Ion Ratio Lower Upper
43 100
61 19.3 15.4 23.0
87 13.0 10.2 15.2





#48

Methyl methacrylate

Concen: 67.823 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.110 min

Lab File: VX026744.D

Acq: 02 Feb 2022 18:06

Instrument :

MSVOA_X

ClientSampleId :

PB142421ZHE#03

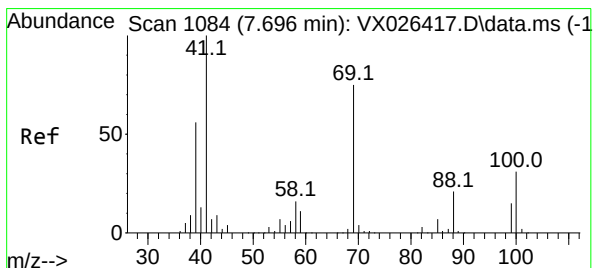
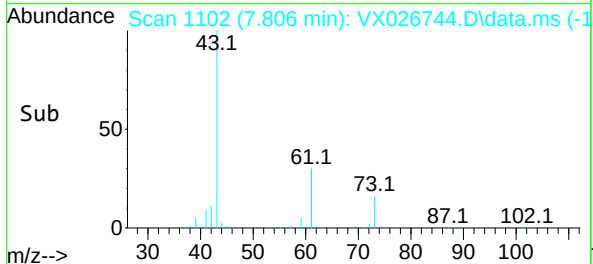
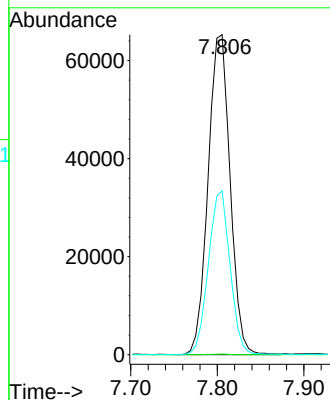
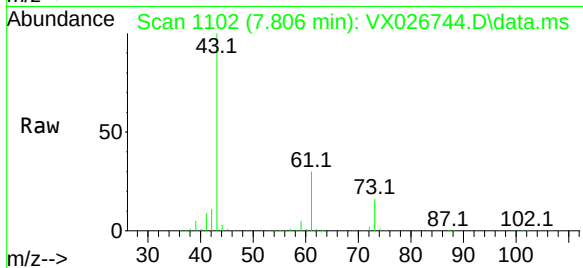
Tgt Ion: 41 Resp: 115525

Ion Ratio Lower Upper

41 100

69 0.2 62.2 93.4#

39 50.4 45.4 68.0



#49

1,4-Dioxane

Concen: 5.617 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.110 min

Lab File: VX026744.D

Acq: 02 Feb 2022 18:06

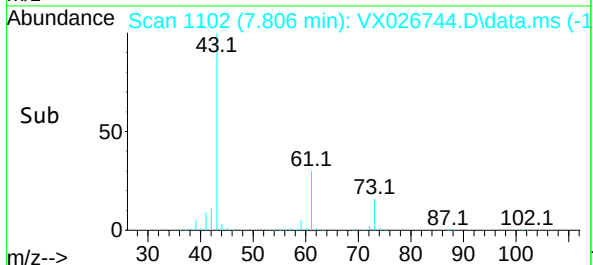
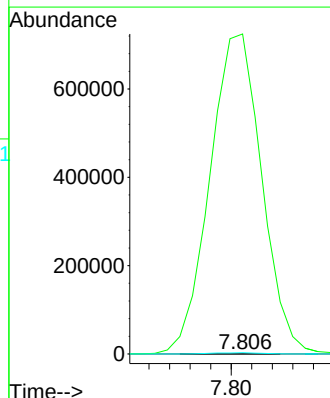
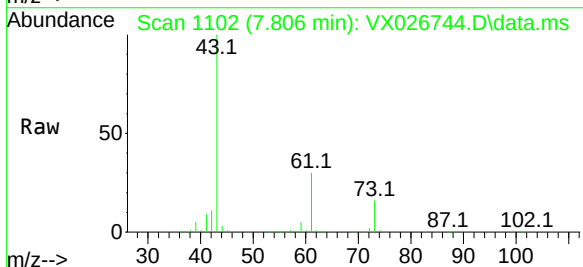
Tgt Ion: 88 Resp: 157

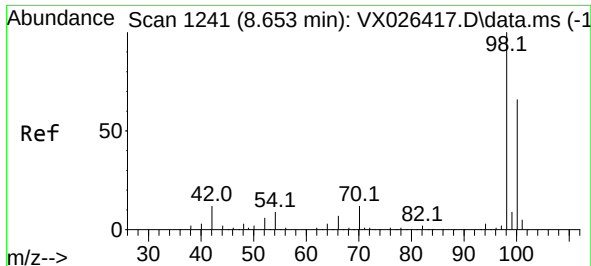
Ion Ratio Lower Upper

88 100

43 813328.0 29.9 44.9#

58 2991.7 57.8 86.6#

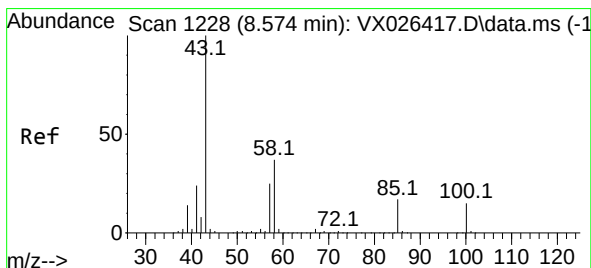
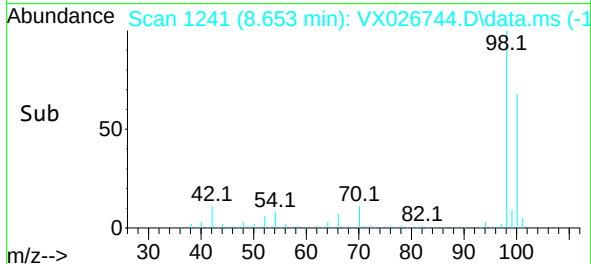
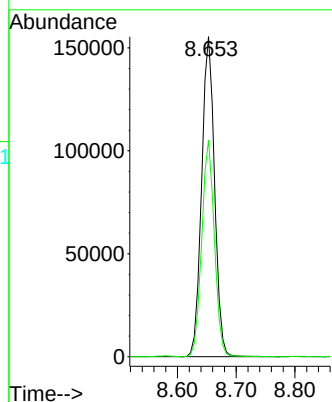
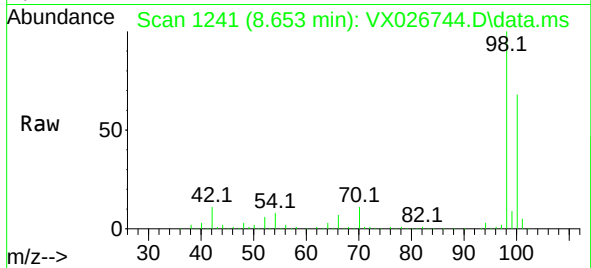




#50
Toluene-d8
Concen: 49.398 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX026744.D
Acq: 02 Feb 2022 18:06

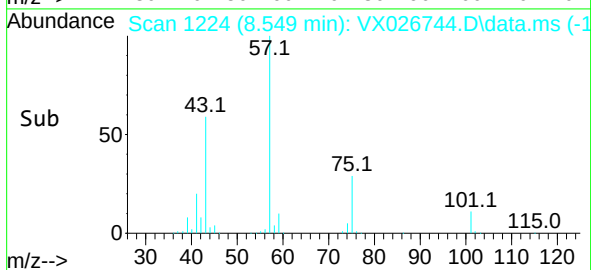
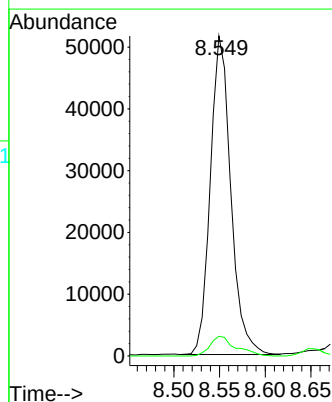
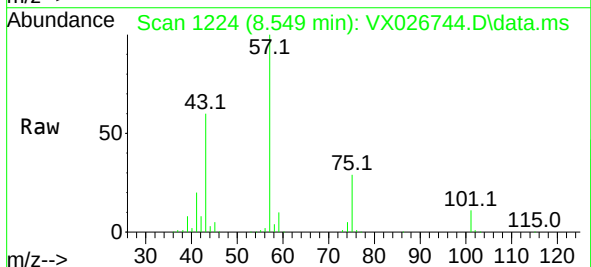
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#03

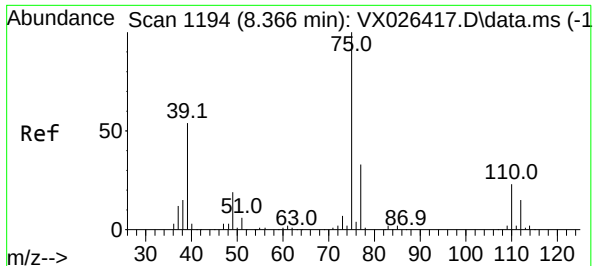
Tgt Ion: 98 Resp: 237182
Ion Ratio Lower Upper
98 100
100 66.5 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 39.384 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX026744.D
Acq: 02 Feb 2022 18:06

Tgt Ion: 43 Resp: 80290
Ion Ratio Lower Upper
43 100
58 7.7 30.5 45.7#

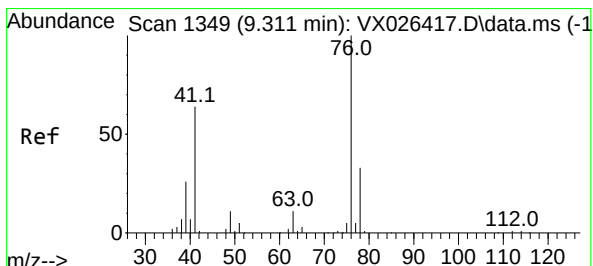
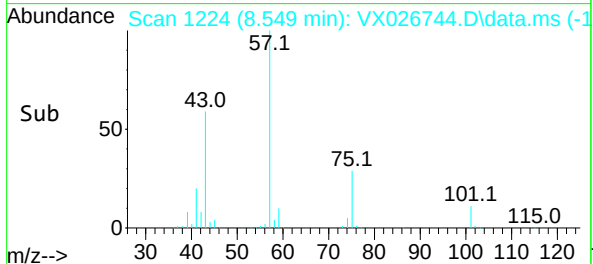
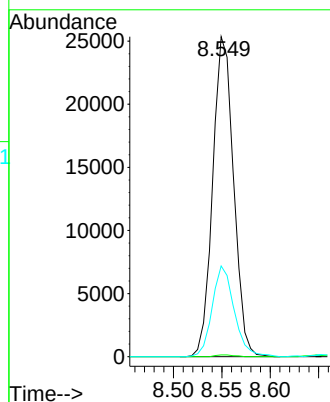
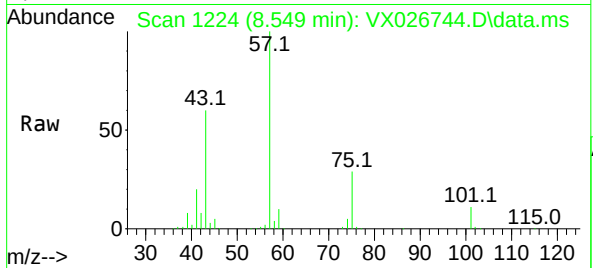




#54
 cis-1,3-Dichloropropene
 Concen: 17.157 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX026744.D
 Acq: 02 Feb 2022 18:06

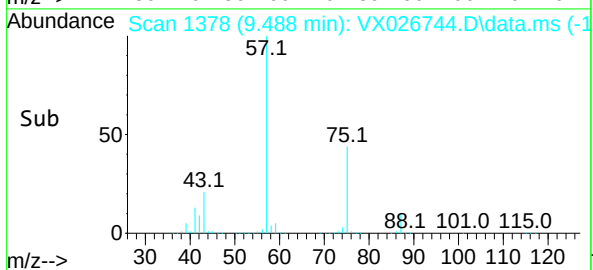
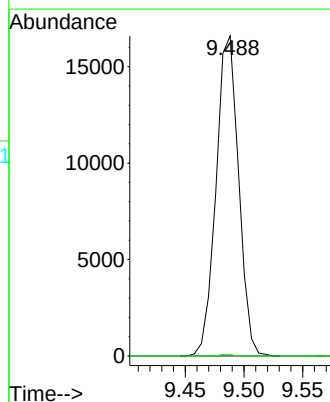
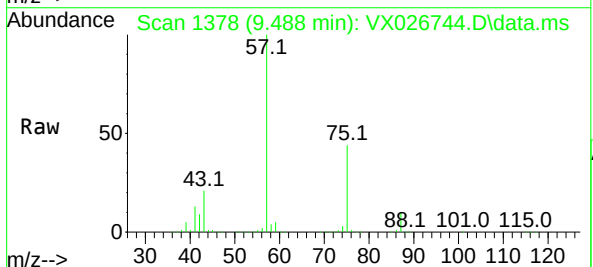
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142421ZHE#03

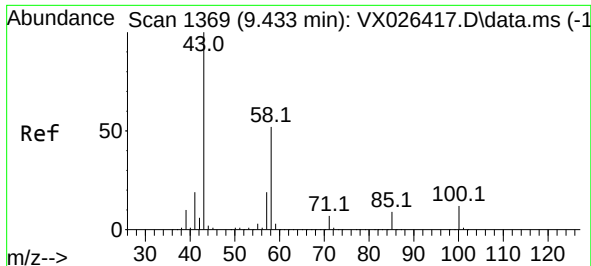
Tgt Ion: 75 Resp: 38091
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.2 39.2#
 39 28.3 43.5 65.3#



#57
 1,3-Dichloropropane
 Concen: 9.195 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX026744.D
 Acq: 02 Feb 2022 18:06

Tgt Ion: 76 Resp: 22178
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.7 38.5#





#59

2-Hexanone

Concen: 193.764 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX026744.D

Acq: 02 Feb 2022 18:06

Instrument :

MSVOA_X

ClientSampleId :

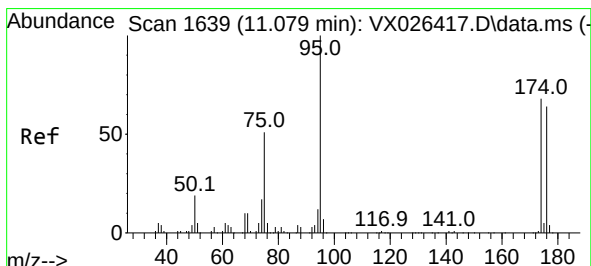
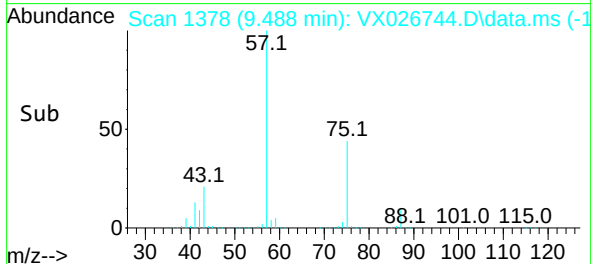
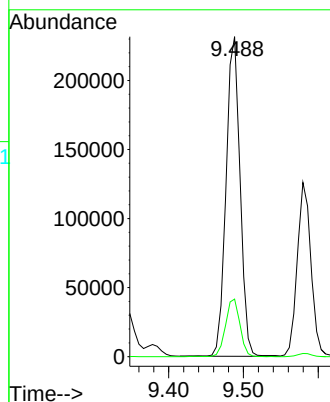
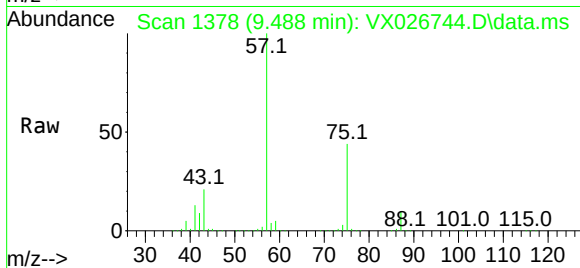
PB142421ZHE#03

Tgt Ion: 43 Resp: 302334

Ion Ratio Lower Upper

43 100

58 18.5 26.4 79.2#



#62

4-Bromofluorobenzene

Concen: 49.115 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX026744.D

Acq: 02 Feb 2022 18:06

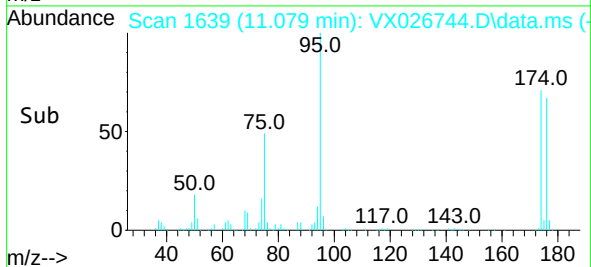
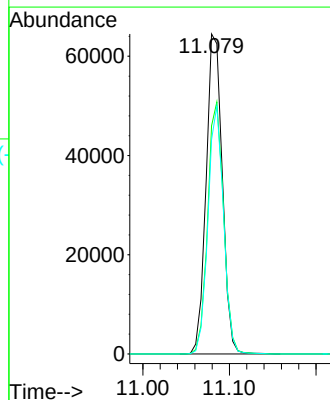
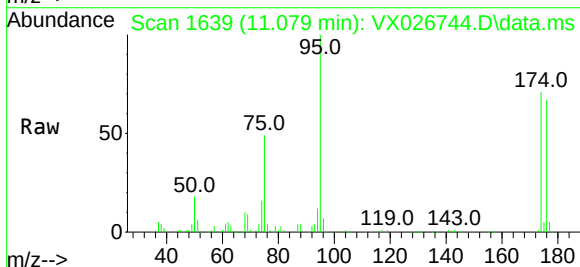
Tgt Ion: 95 Resp: 83773

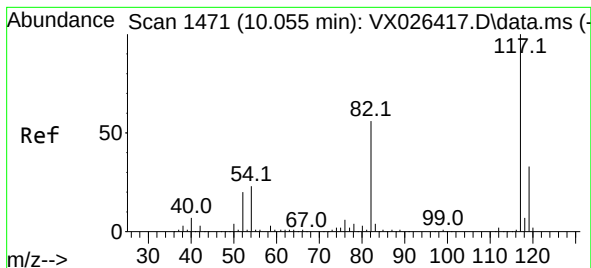
Ion Ratio Lower Upper

95 100

174 77.2 0.0 148.6

176 74.2 0.0 141.4

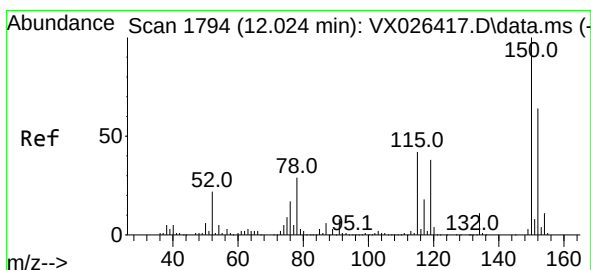
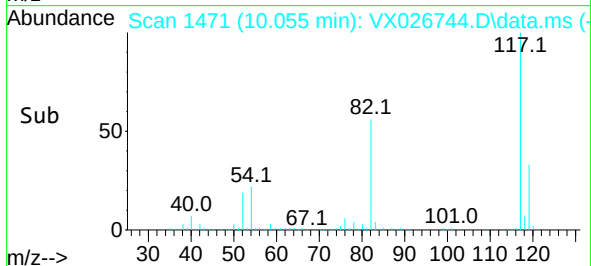
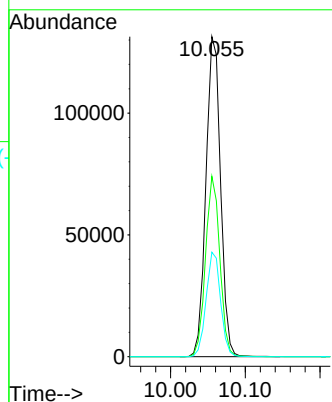
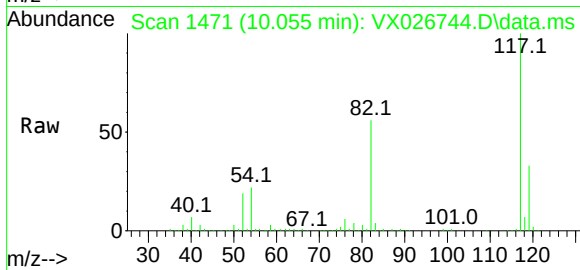




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026744.D
Acq: 02 Feb 2022 18:06

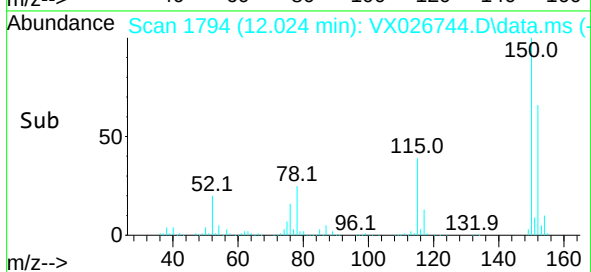
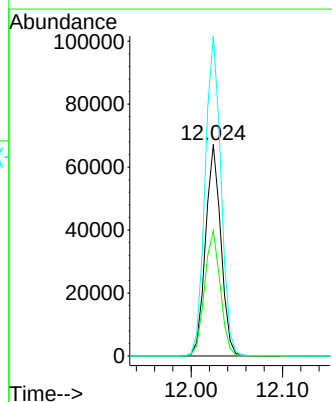
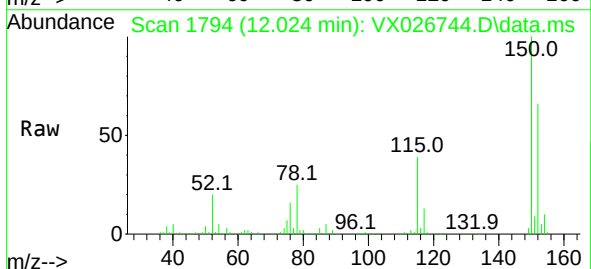
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#03

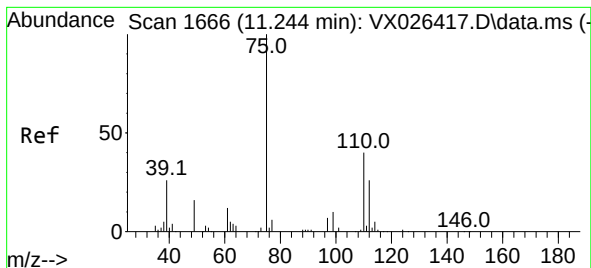
Tgt Ion:117 Resp: 178190
Ion Ratio Lower Upper
117 100
82 56.4 45.2 67.8
119 32.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026744.D
Acq: 02 Feb 2022 18:06

Tgt Ion:152 Resp: 78082
Ion Ratio Lower Upper
152 100
115 60.7 44.2 132.6
150 156.5 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 23.755 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX026744.D

Acq: 02 Feb 2022 18:06

Instrument :

MSVOA_X

ClientSampleId :

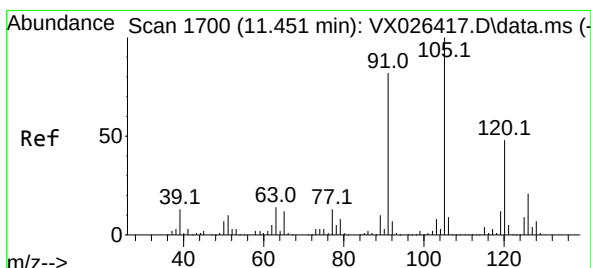
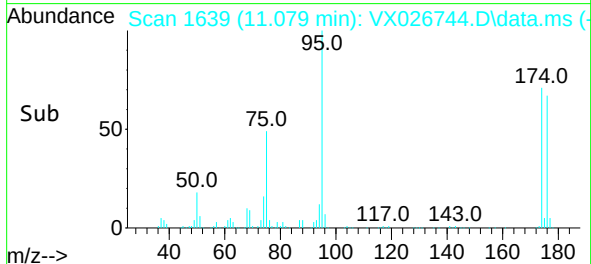
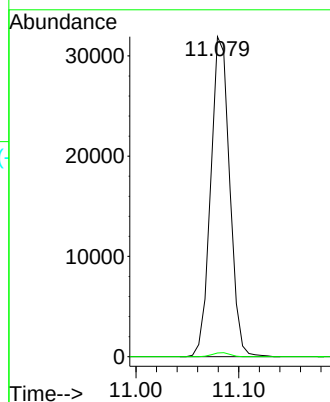
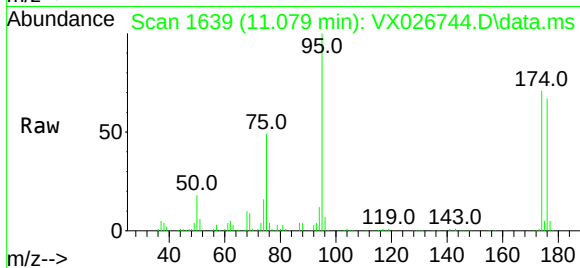
PB142421ZHE#03

Tgt Ion: 75 Resp: 40839

Ion Ratio Lower Upper

75 100

77 1.2 18.3 54.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.317 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX026744.D

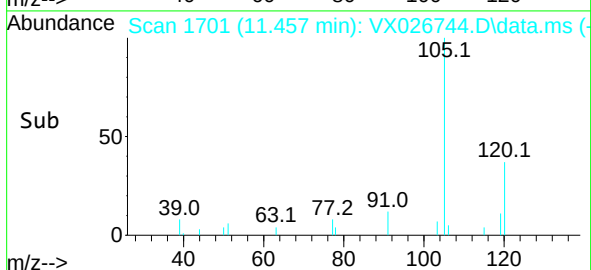
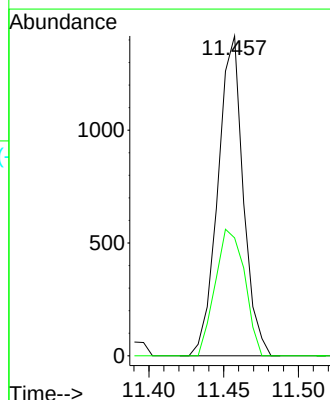
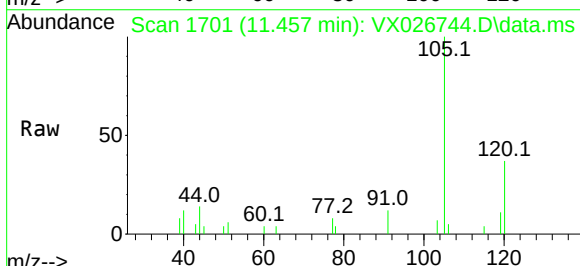
Acq: 02 Feb 2022 18:06

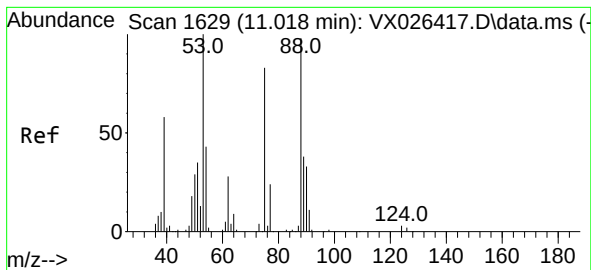
Tgt Ion: 105 Resp: 1673

Ion Ratio Lower Upper

105 100

120 45.7 24.0 72.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.453 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX026744.D
 Acq: 02 Feb 2022 18:06

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142421ZHE#03

Tgt Ion: 75 Resp: 40839
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.0 141.0#
 89 0.0 37.0 55.4#

