

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020222\
 Data File : VX026741.D
 Acq On : 02 Feb 2022 16:57
 Operator : JC/MD
 Sample : PB142421TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142421TB

Quant Time: Feb 03 03:08:12 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)

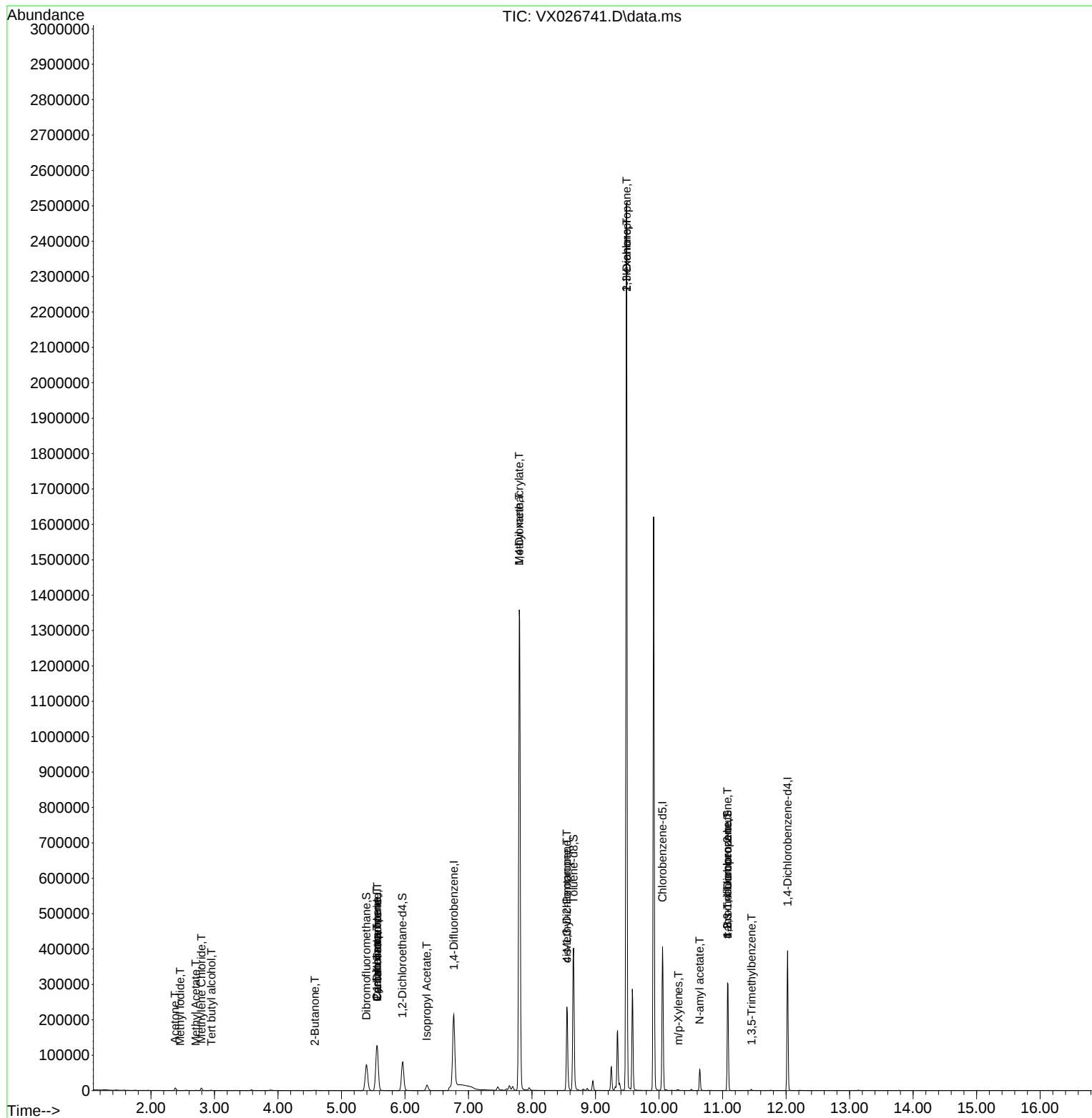
Internal Standards						
1) Pentafluorobenzene	5.562	168	122168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	207726	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	180621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78585	46.048	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.100%		
35) Dibromofluoromethane	5.391	113	64664	48.205	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.420%		
50) Toluene-d8	8.653	98	239147	49.472	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.940%		
62) 4-Bromofluorobenzene	11.079	95	85959	50.058	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.120%		
Target Compounds						Qvalue
10) Methyl Iodide	2.459	142	138	4.533	ug/l #	37
11) Tert butyl alcohol	2.953	59	712	2.999	ug/l #	75
16) Acetone	2.380	43	8209	9.432	ug/l	95
18) Methyl Acetate	2.703	43	1333	0.770	ug/l #	85
20) Methylene Chloride	2.794	84	3055	2.125	ug/l	97
25) 2-Butanone	4.580	43	1590	1.405	ug/l	98
31) Cyclohexane	5.556	56	2455	0.975	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9408	4.443	ug/l #	50
38) Carbon Tetrachloride	5.562	117	12565	5.768	ug/l #	16
43) Isopropyl Acetate	6.342	43	21445	6.197	ug/l	98
48) Methyl methacrylate	7.799	41	115672	67.453	ug/l #	45
49) 1,4-Dioxane	7.799	88	146	5.188	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	79705	38.834	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	37629	16.835	ug/l #	56
57) 1,3-Dichloropropane	9.488	76	21892	9.015	ug/l #	43
59) 2-Hexanone	9.488	43	298879	190.262	ug/l #	52
68) m/p-Xylenes	10.305	106	735	0.284	ug/l	79
74) N-amyl acetate	10.640	43	15224	6.079	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	41770	23.970	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.457	105	1603	0.300	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	41770	73.064	ug/l #	3

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

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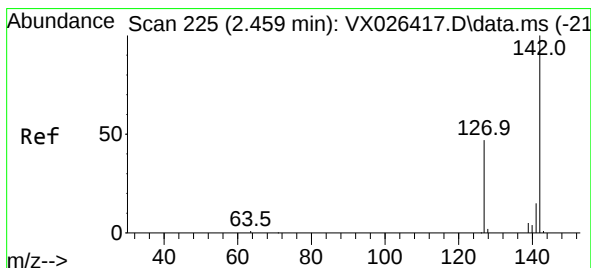
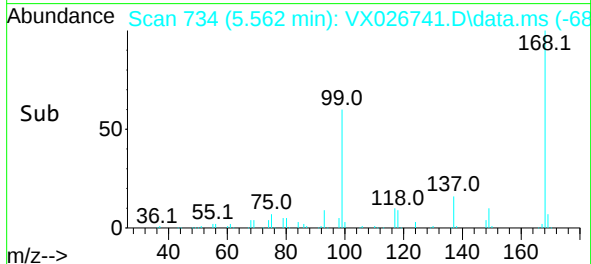
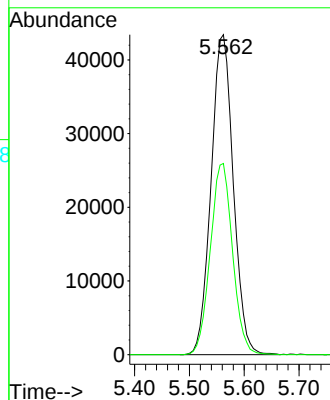
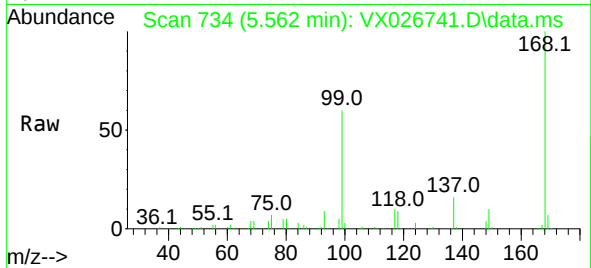




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026741.D
Acq: 02 Feb 2022 16:57

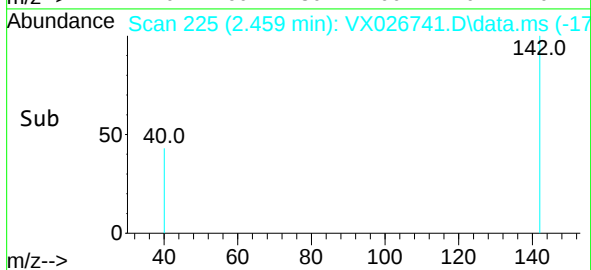
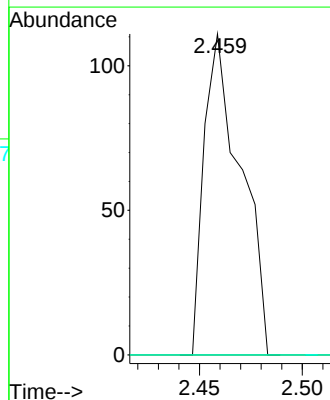
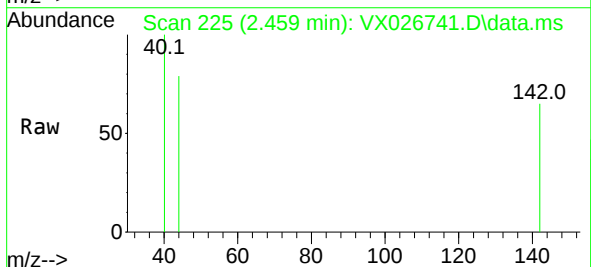
Instrument :
MSVOA_X
ClientSampleId :
PB142421TB

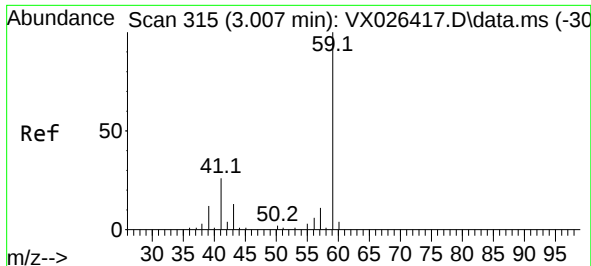
Tgt Ion:168 Resp: 122168
Ion Ratio Lower Upper
168 100
99 59.7 50.3 75.5



#10
Methyl Iodide
Concen: 4.533 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX026741.D
Acq: 02 Feb 2022 16:57

Tgt Ion:142 Resp: 138
Ion Ratio Lower Upper
142 100
127 0.0 38.1 57.1#
141 0.0 11.2 16.8#





#11

Tert butyl alcohol

Concen: 2.999 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.054 min

Lab File: VX026741.D

Acq: 02 Feb 2022 16:57

Instrument :

MSVOA_X

ClientSampleId :

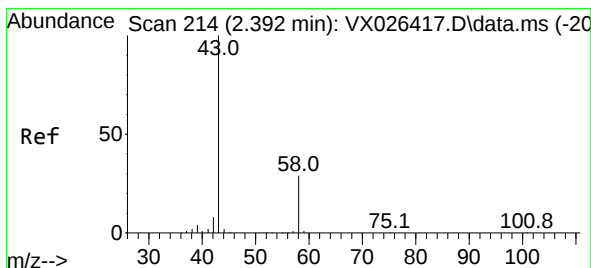
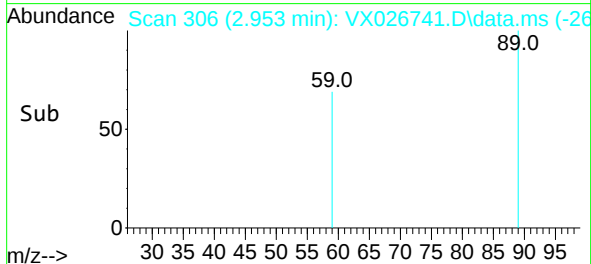
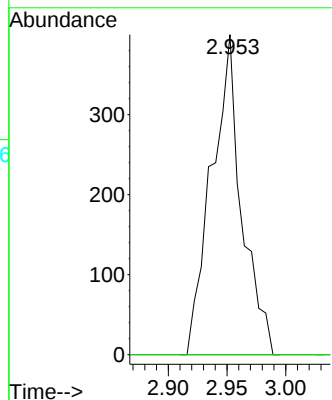
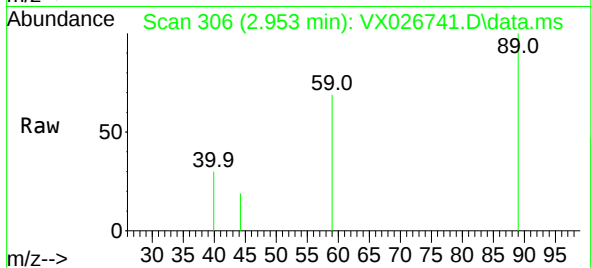
PB142421TB

Tgt Ion: 59 Resp: 712

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#16

Acetone

Concen: 9.432 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX026741.D

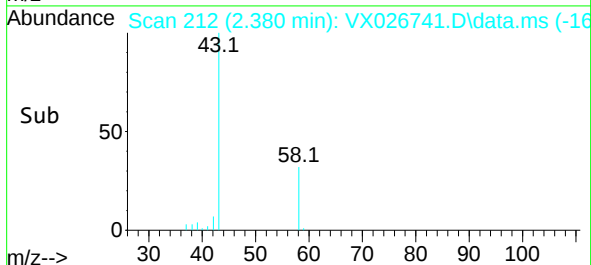
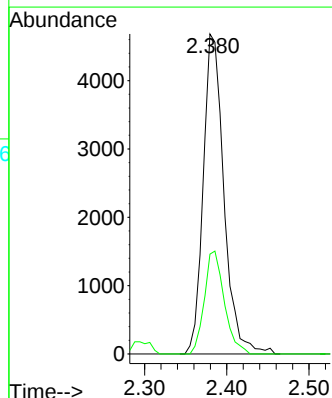
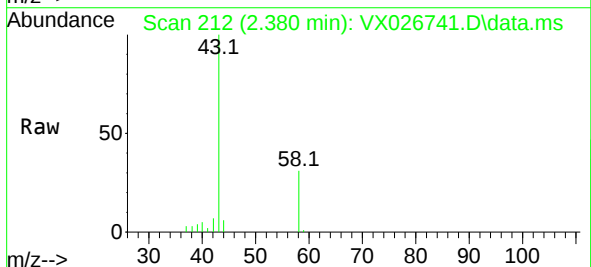
Acq: 02 Feb 2022 16:57

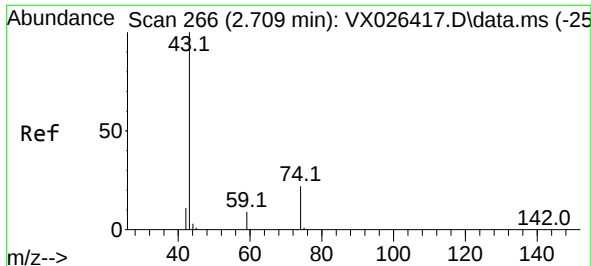
Tgt Ion: 43 Resp: 8209

Ion Ratio Lower Upper

43 100

58 31.2 23.0 34.6





#18

Methyl Acetate

Concen: 0.770 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX026741.D

Acq: 02 Feb 2022 16:57

Instrument :

MSVOA_X

ClientSampleId :

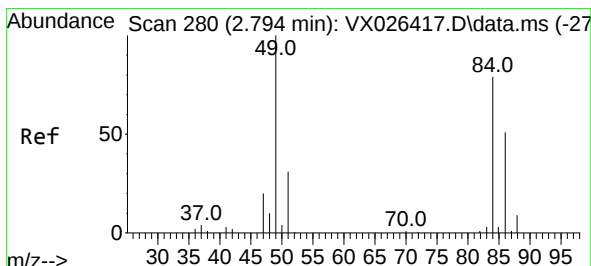
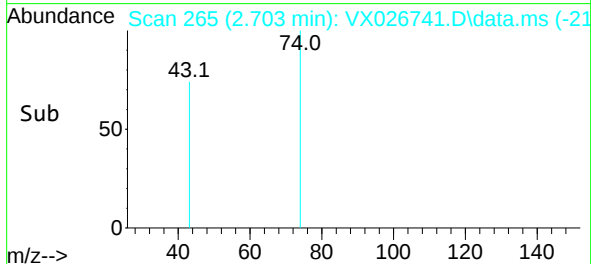
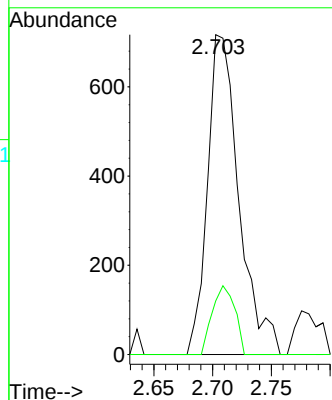
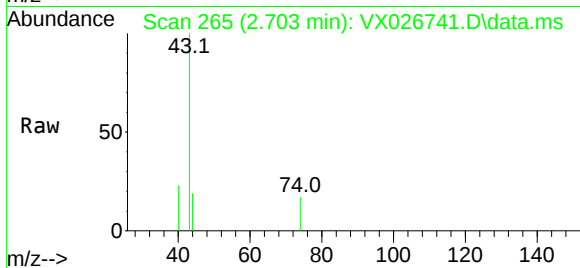
PB142421TB

Tgt Ion: 43 Resp: 1333

Ion Ratio Lower Upper

43 100

74 15.5 18.3 27.5#



#20

Methylene Chloride

Concen: 2.125 ug/l

RT: 2.794 min Scan# 280

Delta R.T. -0.000 min

Lab File: VX026741.D

Acq: 02 Feb 2022 16:57

Tgt Ion: 84 Resp: 3055

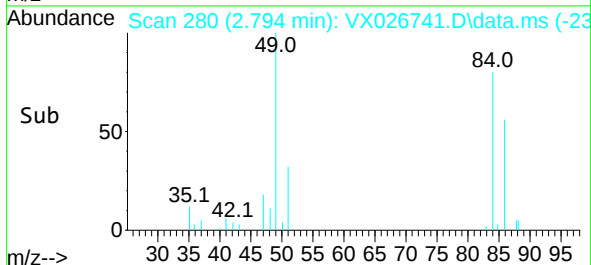
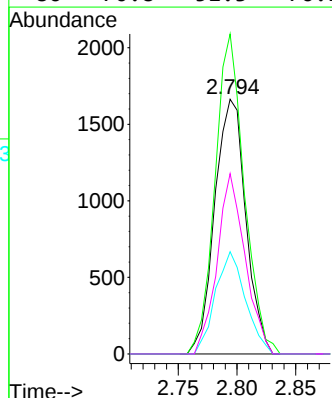
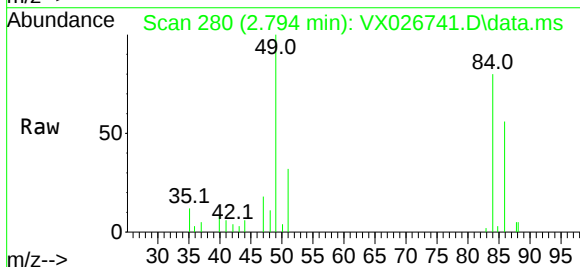
Ion Ratio Lower Upper

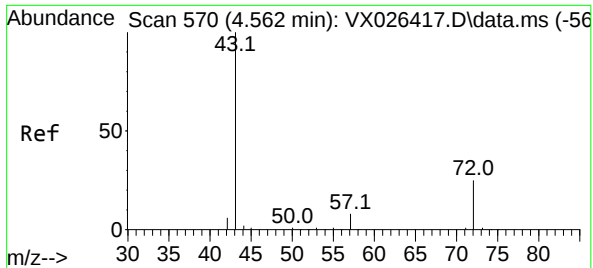
84 100

49 125.6 101.5 152.3

51 40.1 31.2 46.8

86 70.8 51.3 76.9





#25

2-Butanone

Concen: 1.405 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX026741.D

Acq: 02 Feb 2022 16:57

Instrument :

MSVOA_X

ClientSampleId :

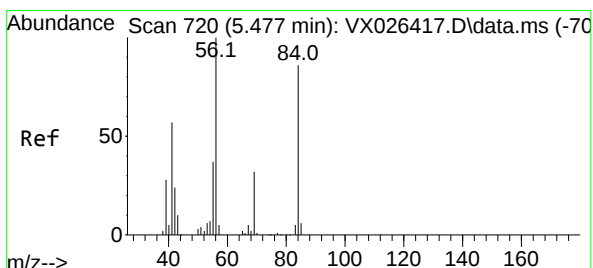
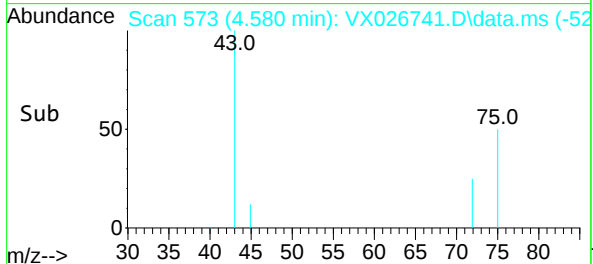
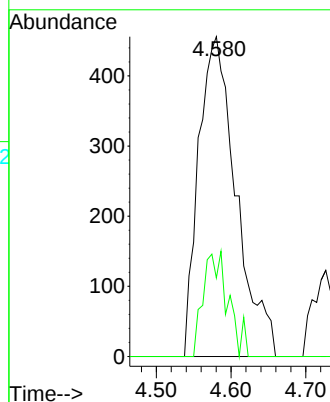
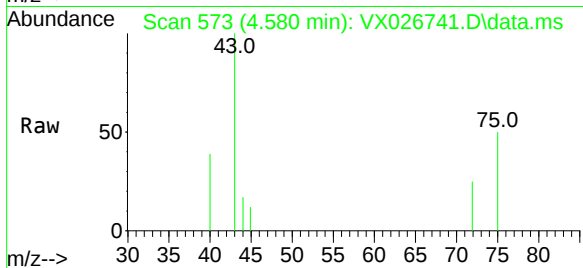
PB142421TB

Tgt Ion: 43 Resp: 1590

Ion Ratio Lower Upper

43 100

72 24.6 20.4 30.6



#31

Cyclohexane

Concen: 0.975 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX026741.D

Acq: 02 Feb 2022 16:57

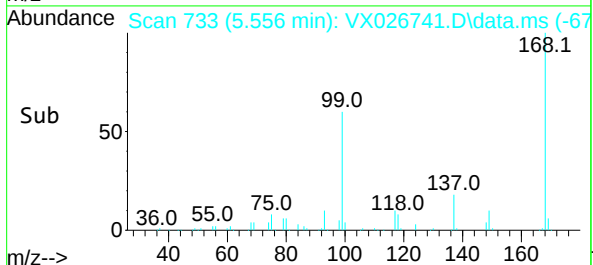
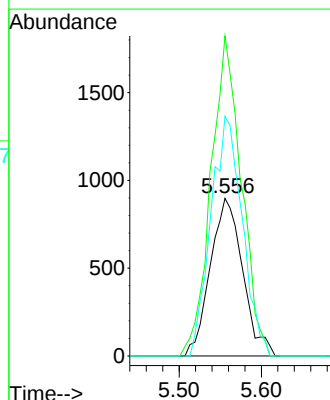
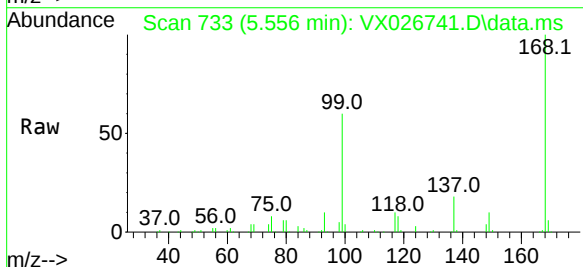
Tgt Ion: 56 Resp: 2455

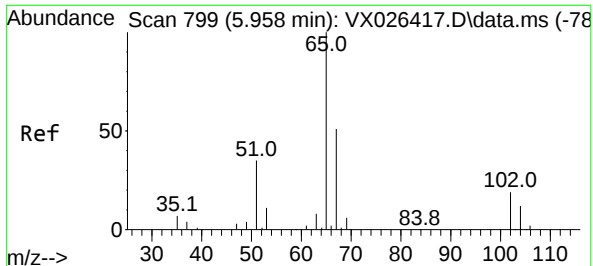
Ion Ratio Lower Upper

56 100

69 203.0 25.8 38.6#

84 152.0 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 46.048 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX026741.D

Acq: 02 Feb 2022 16:57

Instrument :

MSVOA_X

ClientSampleId :

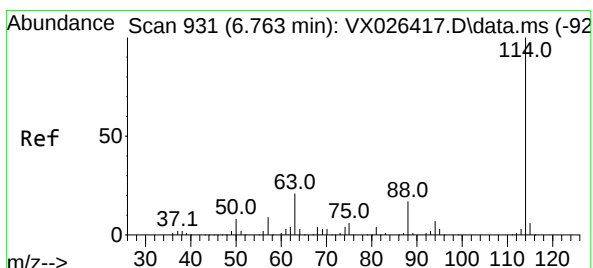
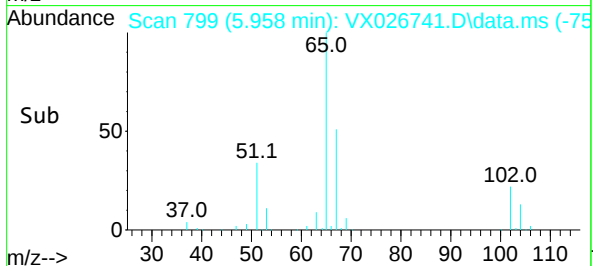
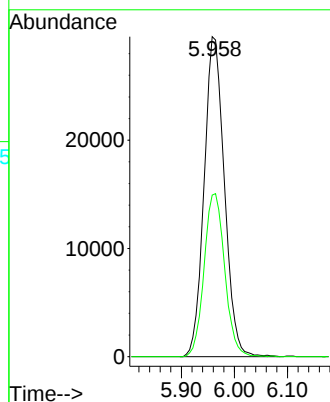
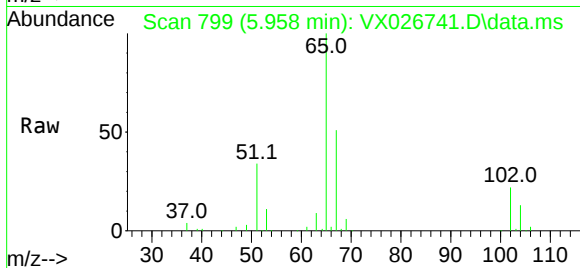
PB142421TB

Tgt Ion: 65 Resp: 78585

Ion Ratio Lower Upper

65 100

67 51.7 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: VX026741.D

Acq: 02 Feb 2022 16:57

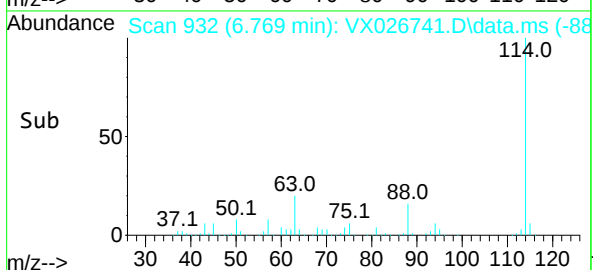
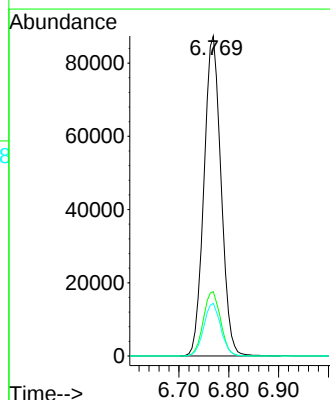
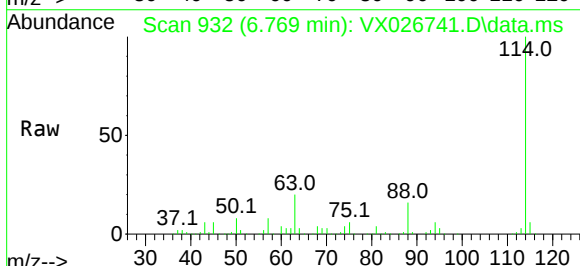
Tgt Ion:114 Resp: 207726

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.8

88 16.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.205 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX026741.D

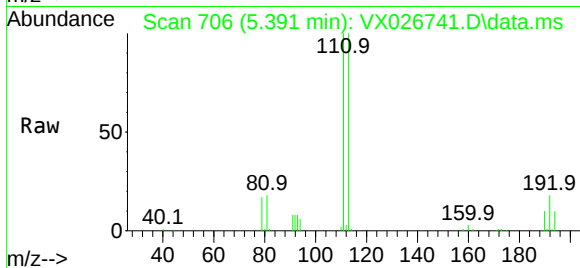
Acq: 02 Feb 2022 16:57

Instrument :

MSVOA_X

ClientSampleId :

PB142421TB



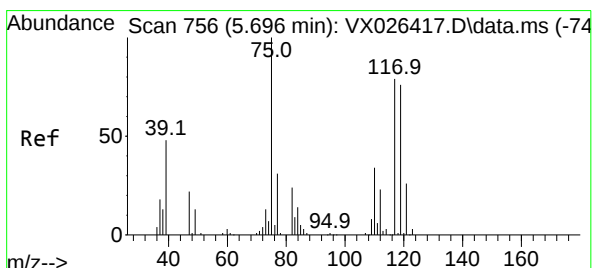
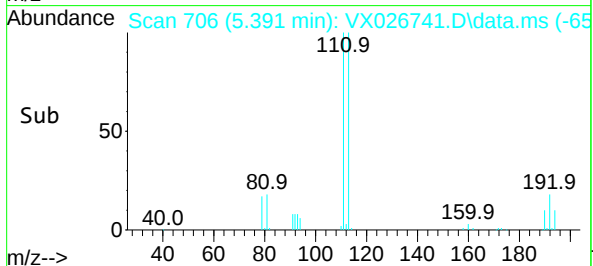
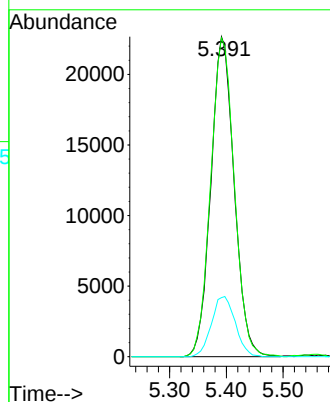
Tgt Ion:113 Resp: 64664

Ion Ratio Lower Upper

113 100

111 101.1 81.2 121.8

192 19.3 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.443 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX026741.D

Acq: 02 Feb 2022 16:57

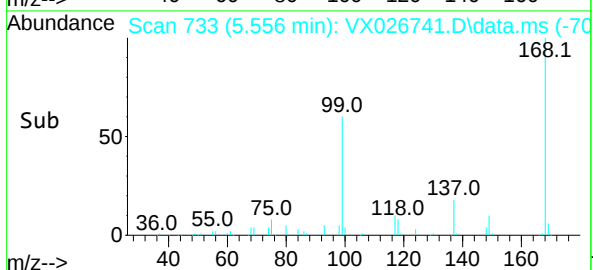
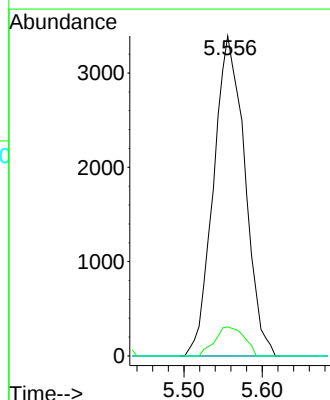
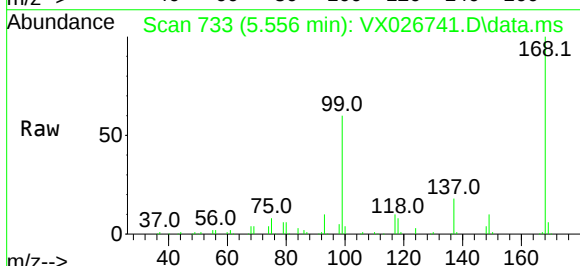
Tgt Ion: 75 Resp: 9408

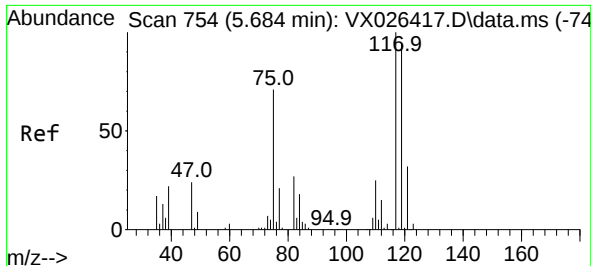
Ion Ratio Lower Upper

75 100

110 8.5 17.2 51.6#

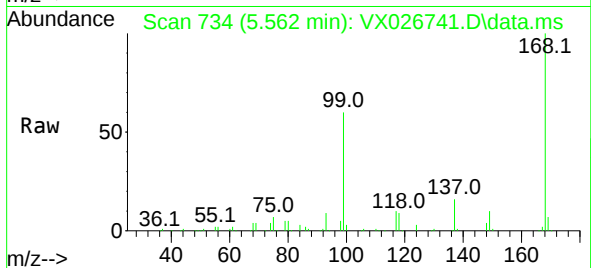
77 0.0 24.6 36.8#



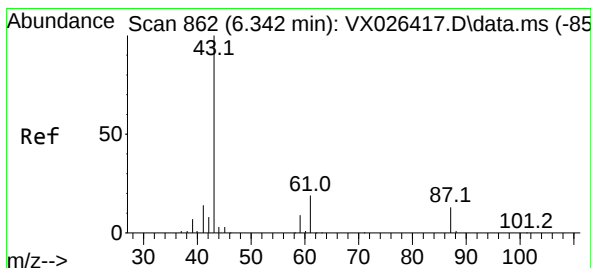
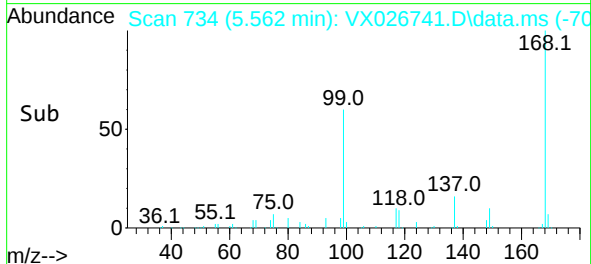
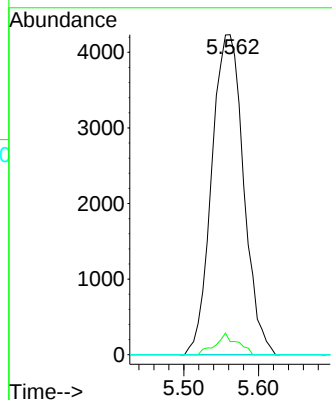


#38
Carbon Tetrachloride
Concen: 5.768 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX026741.D
Acq: 02 Feb 2022 16:57

Instrument :
MSVOA_X
ClientSampleId :
PB142421TB

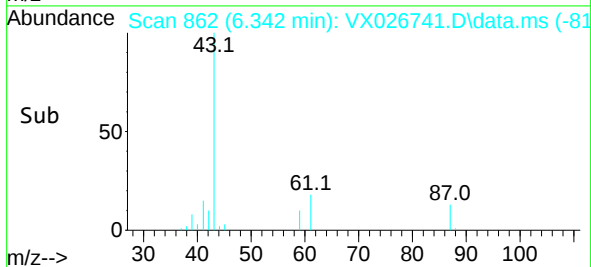
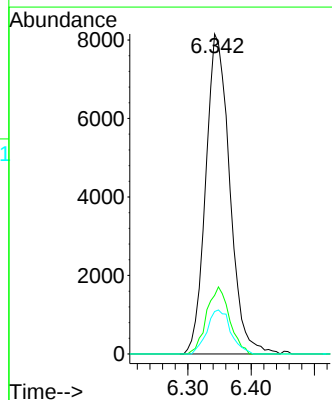
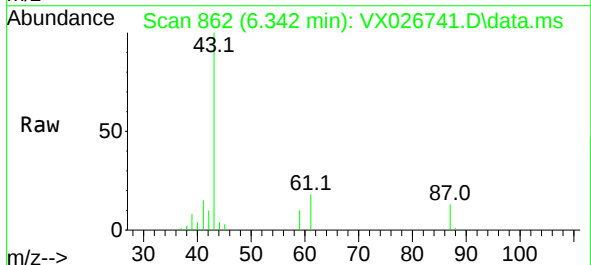


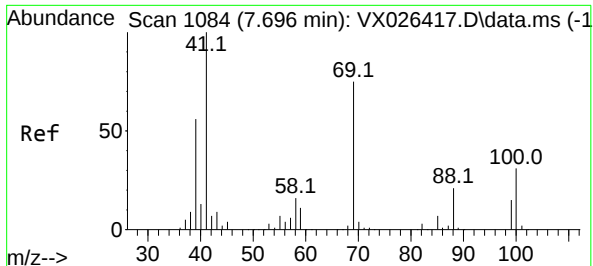
Tgt Ion:117 Resp: 12565
Ion Ratio Lower Upper
117 100
119 4.1 74.7 112.1#
121 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 6.197 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX026741.D
Acq: 02 Feb 2022 16:57

Tgt Ion: 43 Resp: 21445
Ion Ratio Lower Upper
43 100
61 20.0 15.4 23.0
87 13.6 10.2 15.2





#48

Methyl methacrylate

Concen: 67.453 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX026741.D

Acq: 02 Feb 2022 16:57

Instrument :

MSVOA_X

ClientSampleId :

PB142421TB

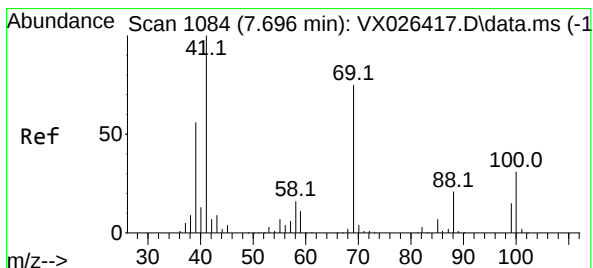
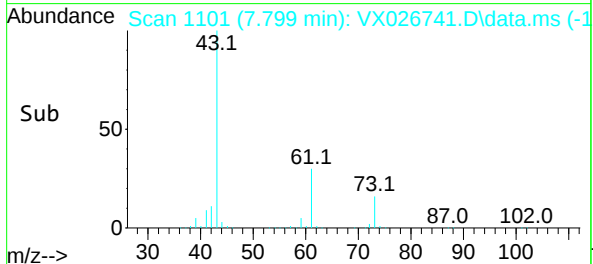
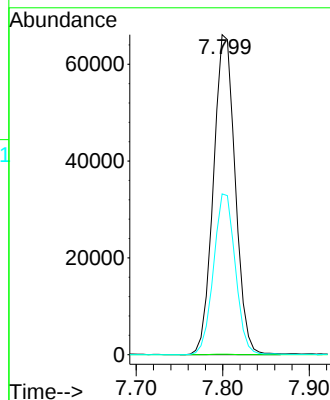
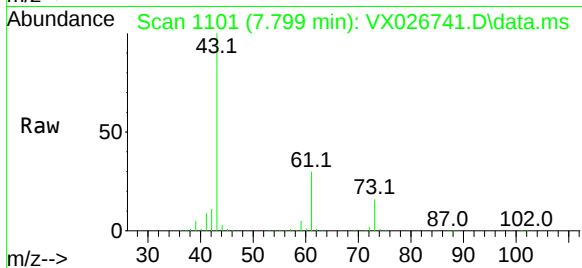
Tgt Ion: 41 Resp: 115672

Ion Ratio Lower Upper

41 100

69 0.1 62.2 93.4#

39 50.3 45.4 68.0



#49

1,4-Dioxane

Concen: 5.188 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX026741.D

Acq: 02 Feb 2022 16:57

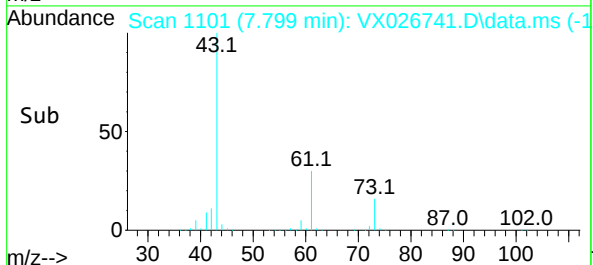
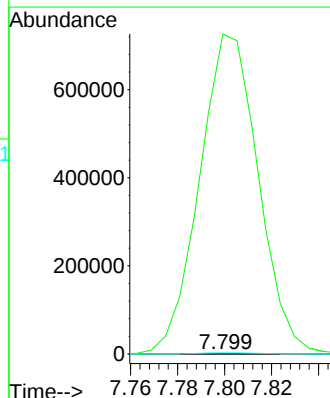
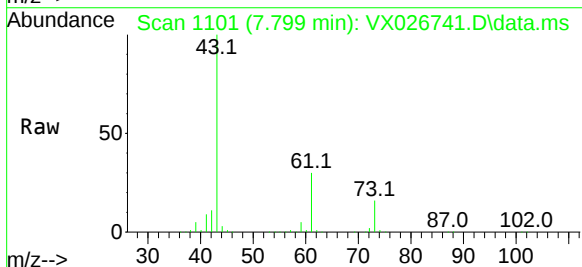
Tgt Ion: 88 Resp: 146

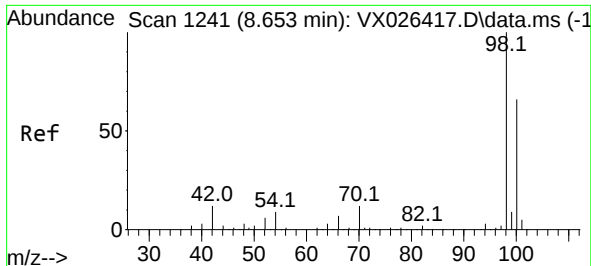
Ion Ratio Lower Upper

88 100

43 868608.9 29.9 44.9#

58 3247.3 57.8 86.6#

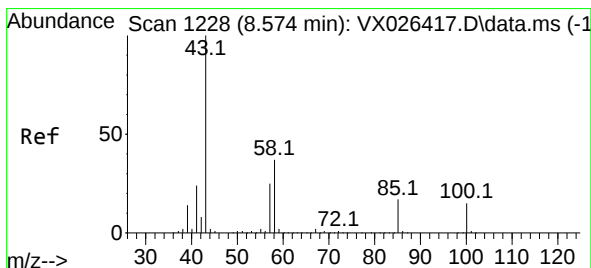
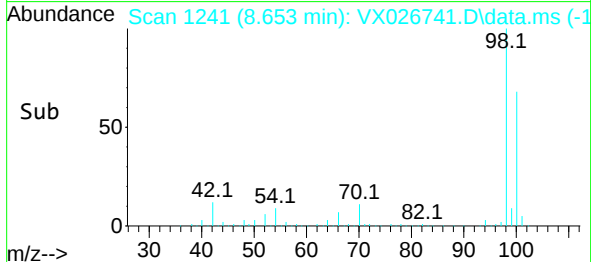
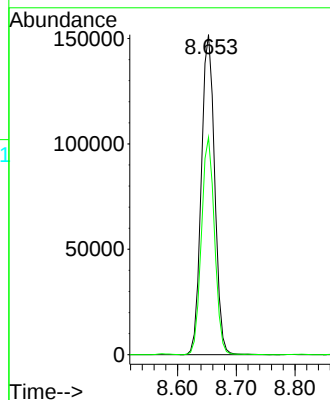
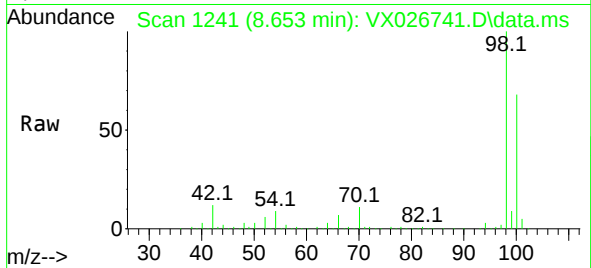




#50
Toluene-d8
Concen: 49.472 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026741.D
Acq: 02 Feb 2022 16:57

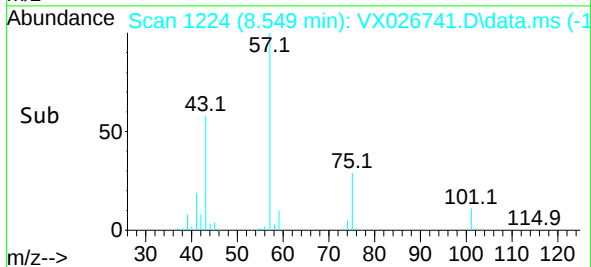
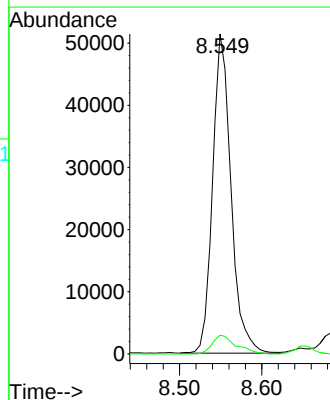
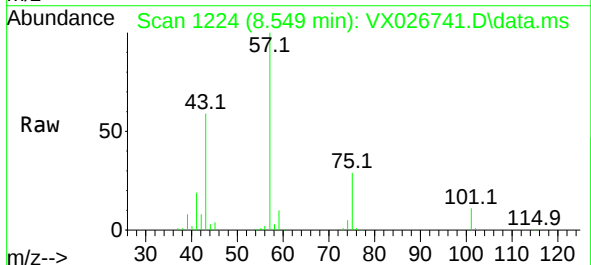
Instrument :
MSVOA_X
ClientSampleId :
PB142421TB

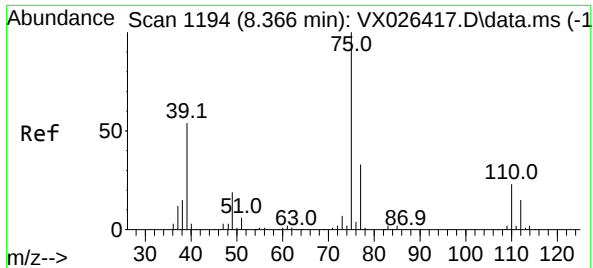
Tgt Ion: 98 Resp: 239147
Ion Ratio Lower Upper
98 100
100 66.8 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 38.834 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX026741.D
Acq: 02 Feb 2022 16:57

Tgt Ion: 43 Resp: 79705
Ion Ratio Lower Upper
43 100
58 7.6 30.5 45.7#

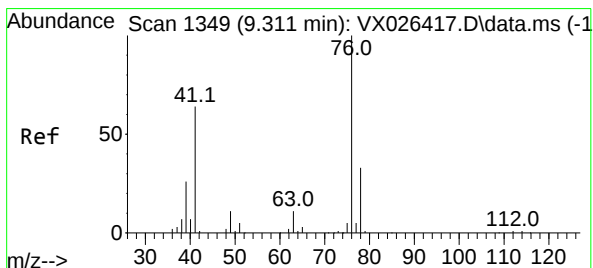
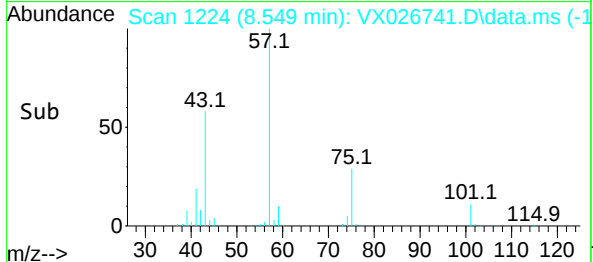
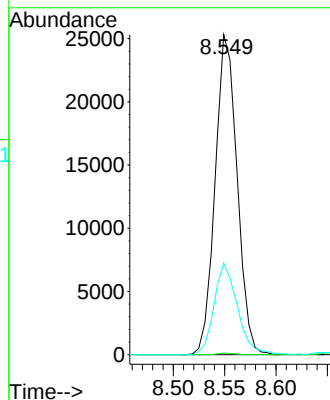
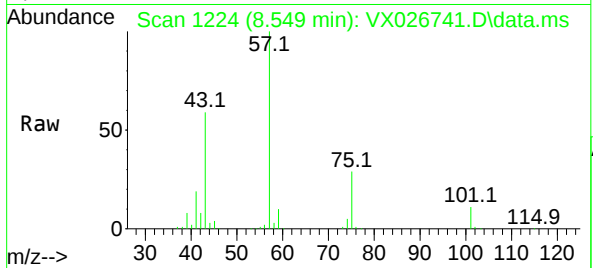




#54
 cis-1,3-Dichloropropene
 Concen: 16.835 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX026741.D
 Acq: 02 Feb 2022 16:57

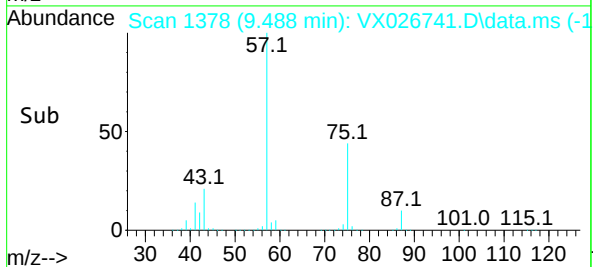
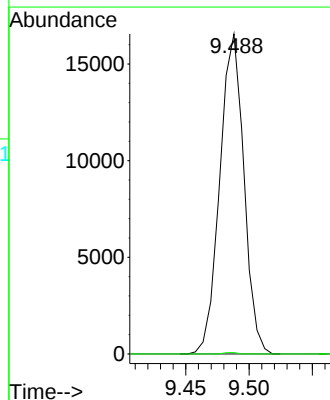
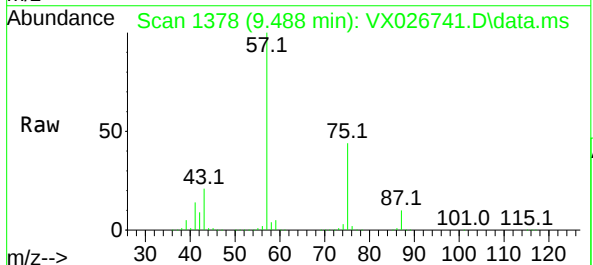
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142421TB

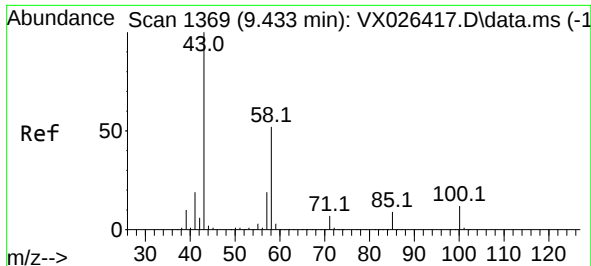
Tgt Ion: 75 Resp: 37629
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.2 39.2#
 39 28.6 43.5 65.3#



#57
 1,3-Dichloropropane
 Concen: 9.015 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX026741.D
 Acq: 02 Feb 2022 16:57

Tgt Ion: 76 Resp: 21892
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.7 38.5#





#59

2-Hexanone

Concen: 190.262 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX026741.D

Acq: 02 Feb 2022 16:57

Instrument :

MSVOA_X

ClientSampleId :

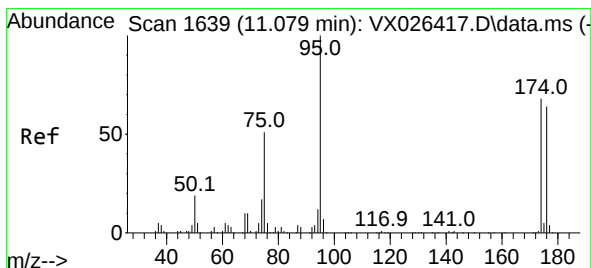
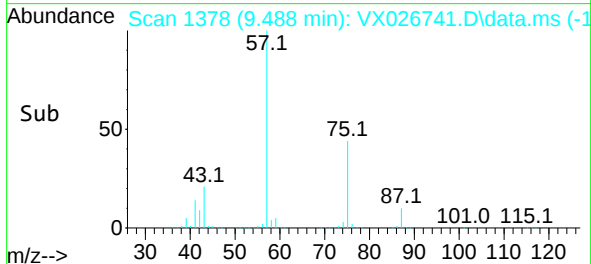
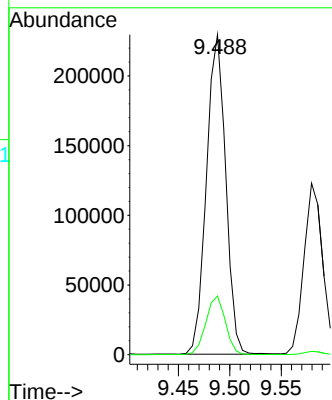
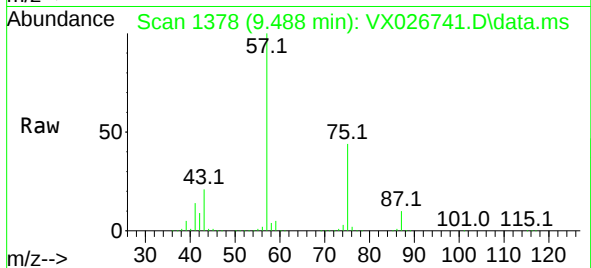
PB142421TB

Tgt Ion: 43 Resp: 298879

Ion Ratio Lower Upper

43 100

58 18.5 26.4 79.2#



#62

4-Bromofluorobenzene

Concen: 50.058 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX026741.D

Acq: 02 Feb 2022 16:57

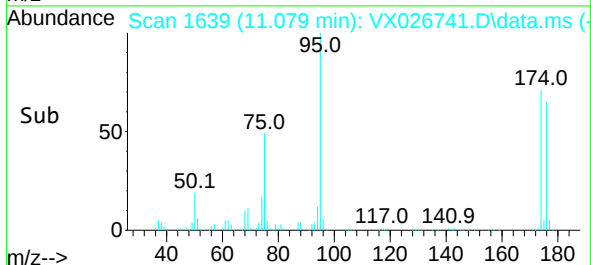
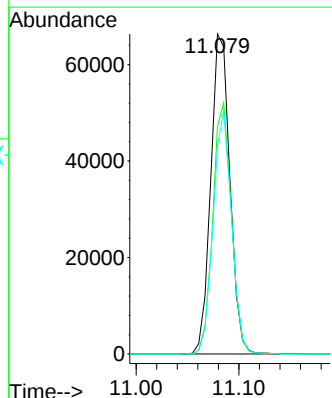
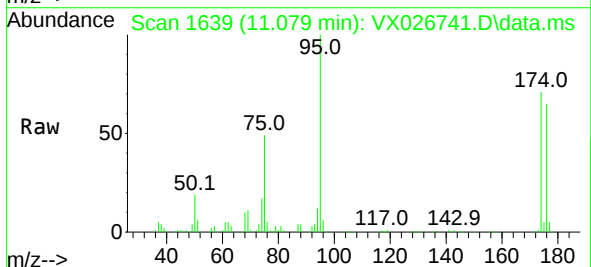
Tgt Ion: 95 Resp: 85959

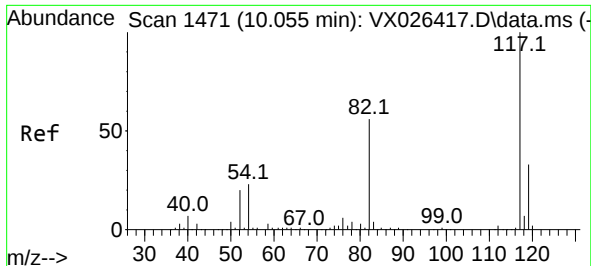
Ion Ratio Lower Upper

95 100

174 76.2 0.0 148.6

176 72.9 0.0 141.4

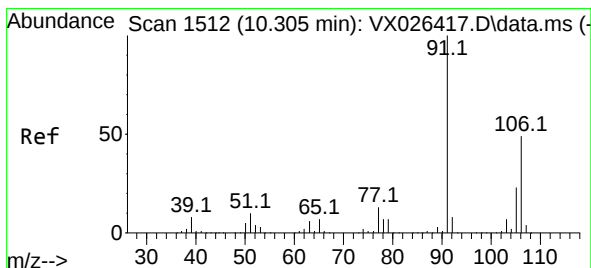
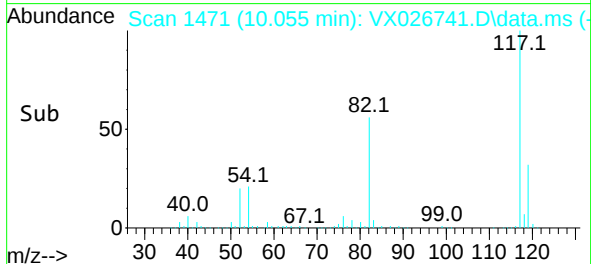
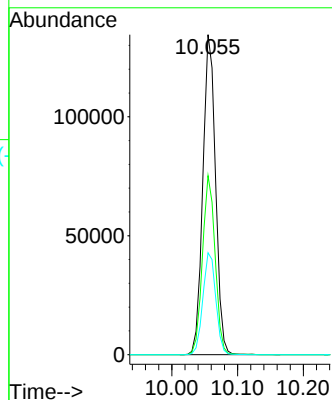
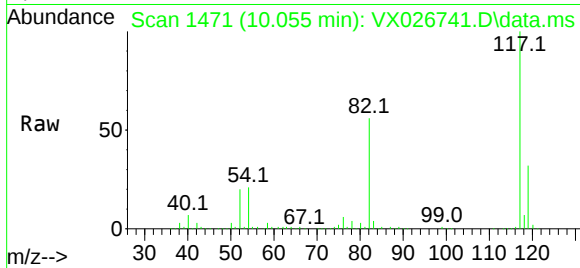




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026741.D
Acq: 02 Feb 2022 16:57

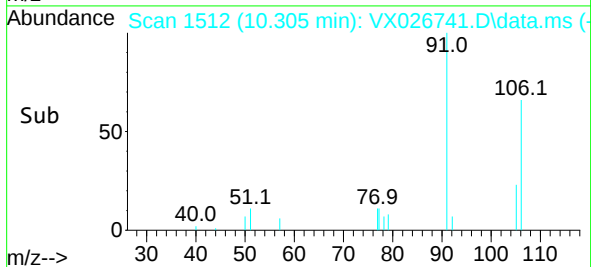
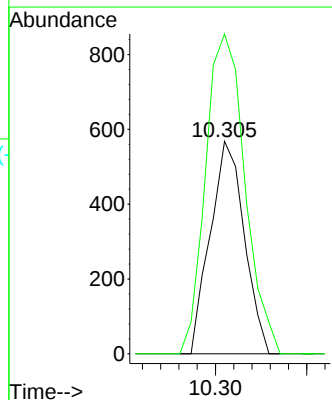
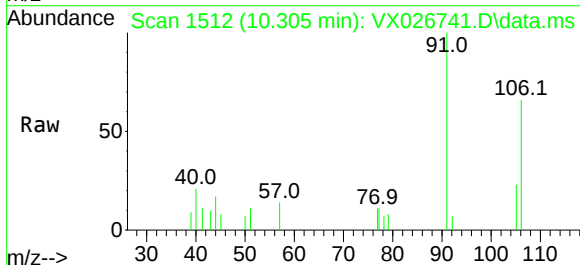
Instrument :
MSVOA_X
ClientSampleId :
PB142421TB

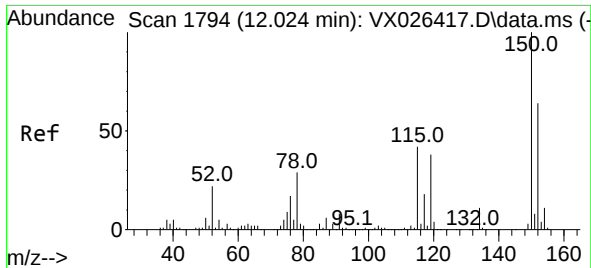
Tgt Ion:117 Resp: 180621
Ion Ratio Lower Upper
117 100
82 56.0 45.2 67.8
119 31.9 26.2 39.2



#68
m/p-Xylenes
Concen: 0.284 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX026741.D
Acq: 02 Feb 2022 16:57

Tgt Ion:106 Resp: 735
Ion Ratio Lower Upper
106 100
91 173.7 165.3 247.9

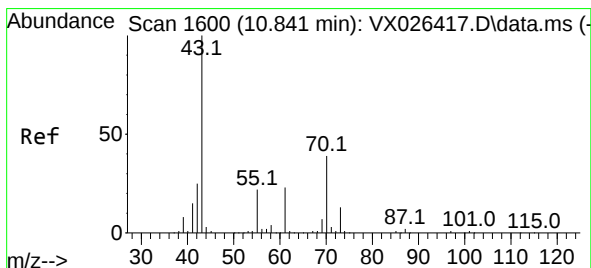
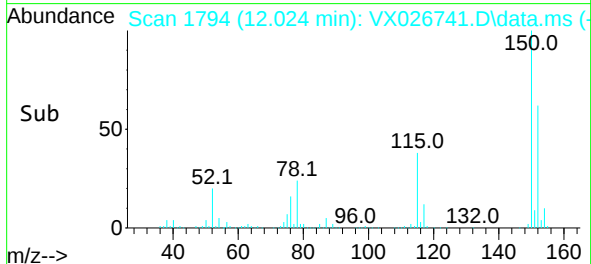
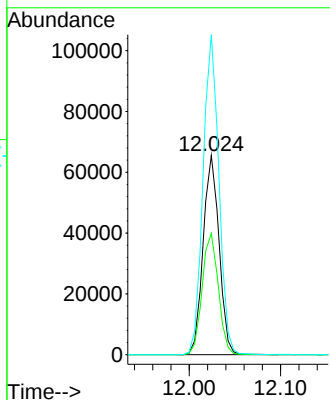
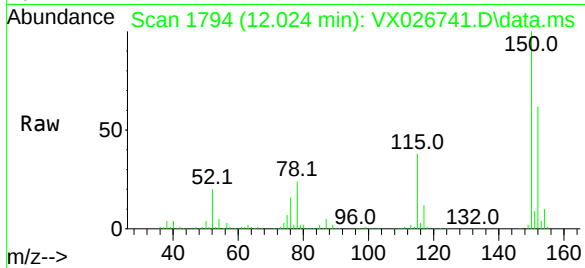




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026741.D
Acq: 02 Feb 2022 16:57

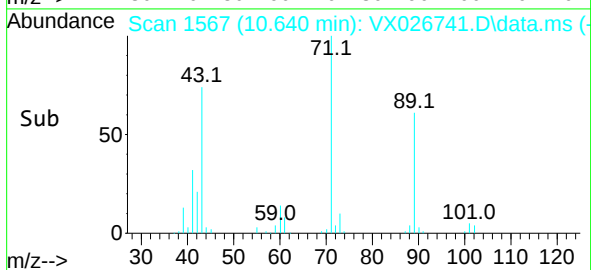
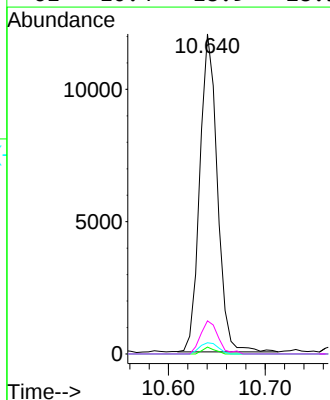
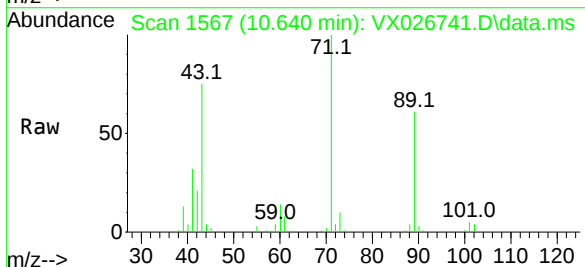
Instrument :
MSVOA_X
ClientSampleId :
PB142421TB

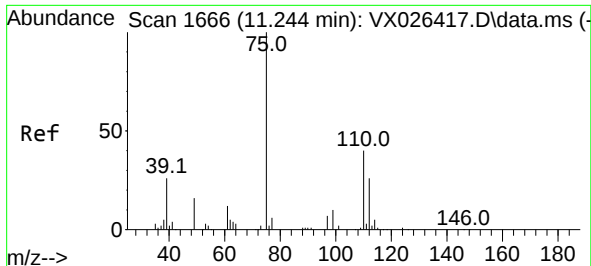
Tgt Ion:152 Resp: 79145
Ion Ratio Lower Upper
152 100
115 61.6 44.2 132.6
150 159.6 0.0 348.2



#74
N-ethyl acetate
Concen: 6.079 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX026741.D
Acq: 02 Feb 2022 16:57

Tgt Ion: 43 Resp: 15224
Ion Ratio Lower Upper
43 100
70 1.5 32.9 49.3#
55 3.7 18.3 27.5#
61 10.4 18.9 28.3#

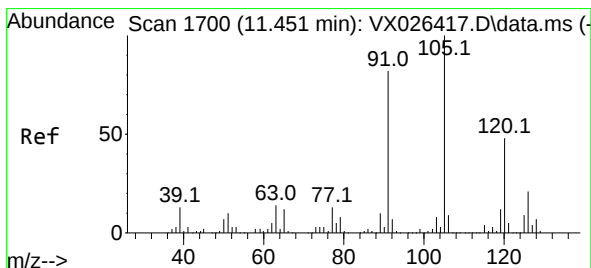
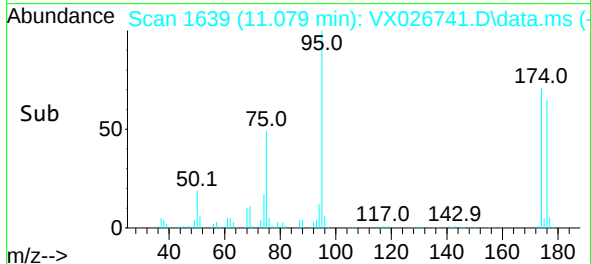
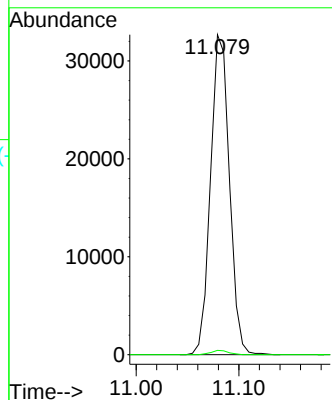
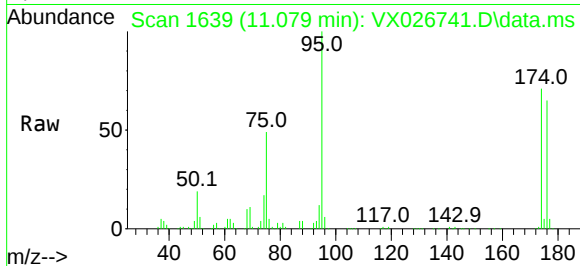




#76
1,2,3-Trichloropropane
Concen: 23.970 ug/l
RT: 11.079 min Scan# 110
Delta R.T. -0.165 min
Lab File: VX026741.D
Acq: 02 Feb 2022 16:57

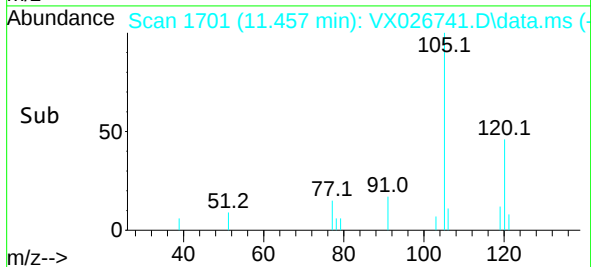
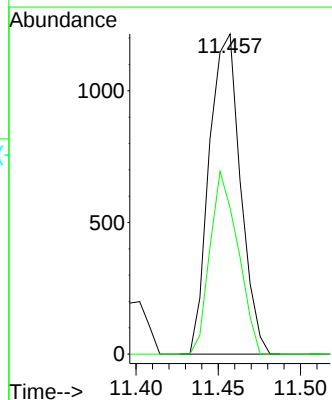
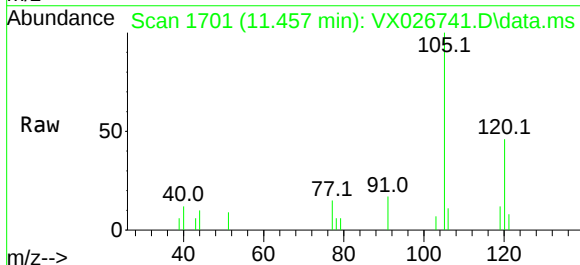
Instrument :
MSVOA_X
ClientSampleId :
PB142421TB

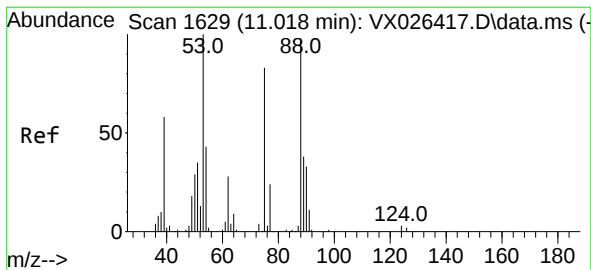
Tgt Ion: 75 Resp: 41770
Ion Ratio Lower Upper
75 100
77 1.3 18.3 54.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.300 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX026741.D
Acq: 02 Feb 2022 16:57

Tgt Ion: 105 Resp: 1603
Ion Ratio Lower Upper
105 100
120 51.0 24.0 72.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.064 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX026741.D
 Acq: 02 Feb 2022 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142421TB

Tgt Ion: 75 Resp: 41770
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.0 141.0#
 89 0.0 37.0 55.4#

