

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012722\
 Data File : VX026599.D
 Acq On : 26 Jan 2022 17:01
 Operator : JC/MD
 Sample : PB142265ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142265ZHE#09

Quant Time: Jan 27 07:32:17 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)

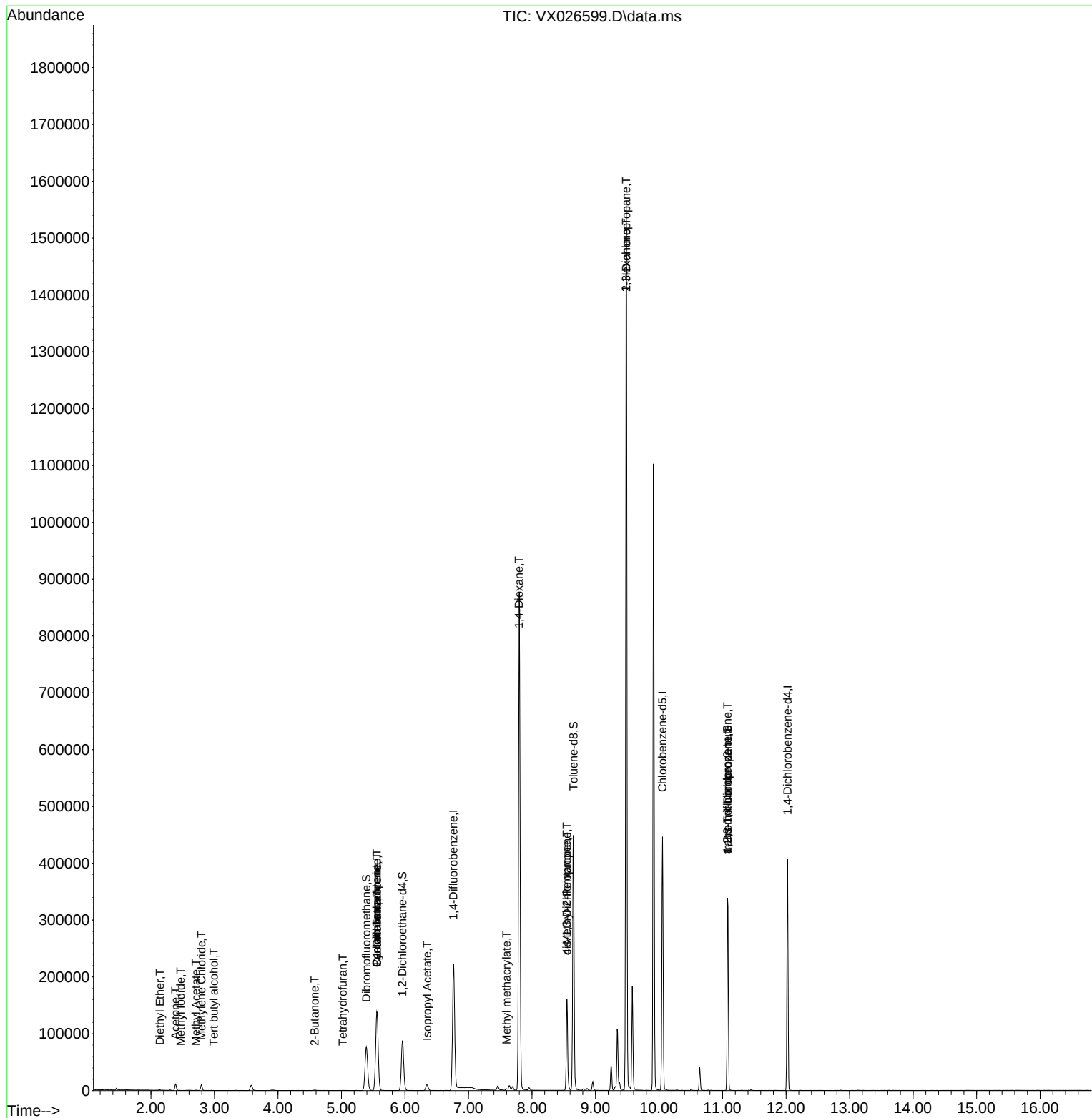
Internal Standards						
1) Pentafluorobenzene	5.556	168	131168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	220701	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86271	47.083	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.160%		
35) Dibromofluoromethane	5.391	113	68748	48.237	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.480%		
50) Toluene-d8	8.653	98	260790	50.778	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.560%		
62) 4-Bromofluorobenzene	11.079	95	94179	51.620	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.240%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.142	74	265	0.318	ug/l	55
10) Methyl Iodide	2.465	142	20	4.457	ug/l #	37
11) Tert butyl alcohol	2.989	59	79	0.310	ug/l #	75
16) Acetone	2.386	43	13156	14.079	ug/l	94
18) Methyl Acetate	2.709	43	832	0.448	ug/l #	86
20) Methylene Chloride	2.794	84	4276	2.770	ug/l	93
25) 2-Butanone	4.574	43	1916	1.577	ug/l	99
29) Tetrahydrofuran	5.019	42	182	0.252	ug/l #	34
31) Cyclohexane	5.556	56	2688	0.995	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10196	4.532	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13891	6.002	ug/l #	16
43) Isopropyl Acetate	6.348	43	14520	3.949	ug/l	100
48) Methyl methacrylate	7.598	41	4359	2.392	ug/l #	16
49) 1,4-Dioxane	7.793	88	73	2.441	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	53924	24.729	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	24452	10.297	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	13846	5.366	ug/l #	43
59) 2-Hexanone	9.482	43	196058	117.470	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	47241	25.794	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	47241	78.247	ug/l #	3

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

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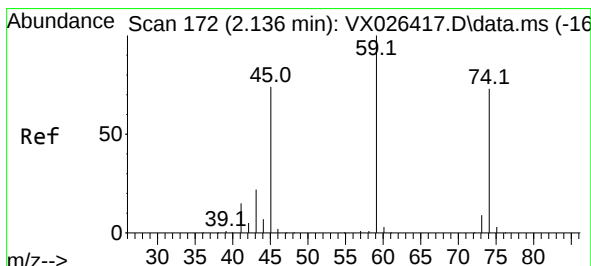
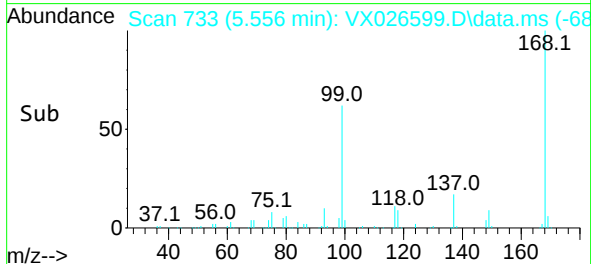
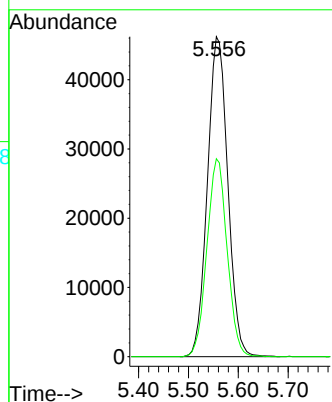
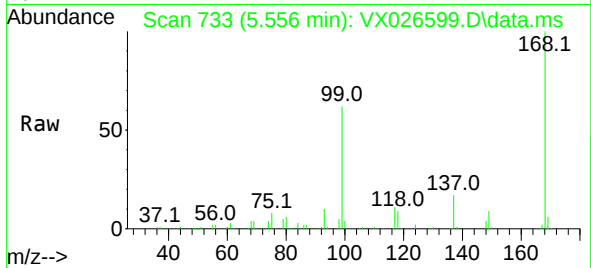




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026599.D
Acq: 26 Jan 2022 17:01

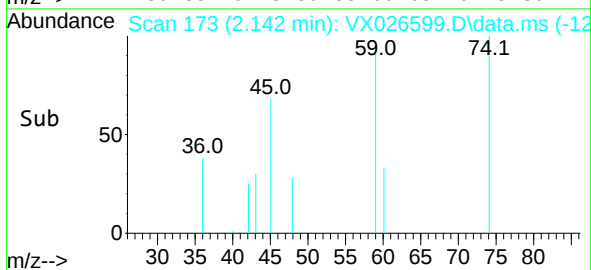
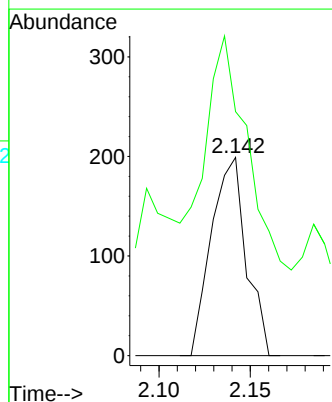
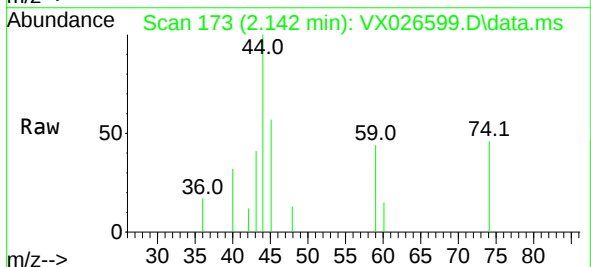
Instrument :
MSVOA_X
ClientSampleId :
PB142265ZHE#09

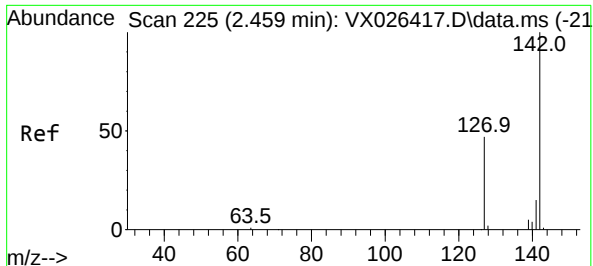
Tgt Ion:168 Resp: 131168
Ion Ratio Lower Upper
168 100
99 61.8 50.3 75.5



#8
Diethyl Ether
Concen: 0.318 ug/l
RT: 2.142 min Scan# 173
Delta R.T. 0.006 min
Lab File: VX026599.D
Acq: 26 Jan 2022 17:01

Tgt Ion: 74 Resp: 265
Ion Ratio Lower Upper
74 100
45 147.2 50.7 152.1

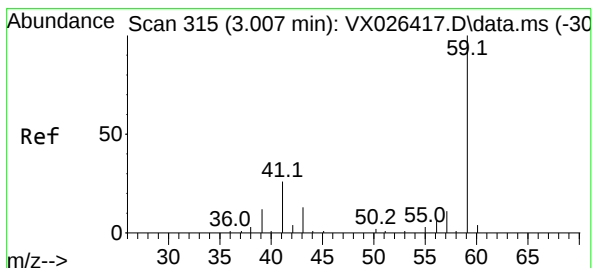
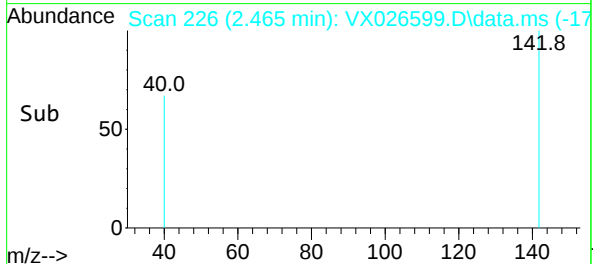
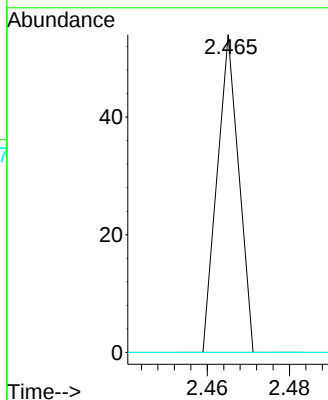
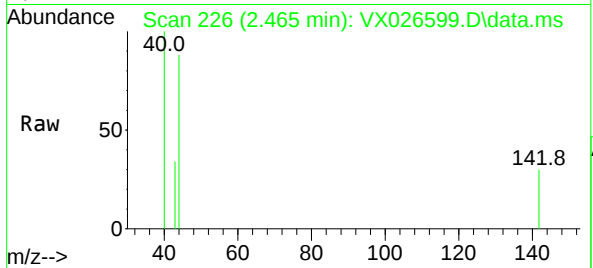




#10
Methyl Iodide
Concen: 4.457 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX026599.D
Acq: 26 Jan 2022 17:01

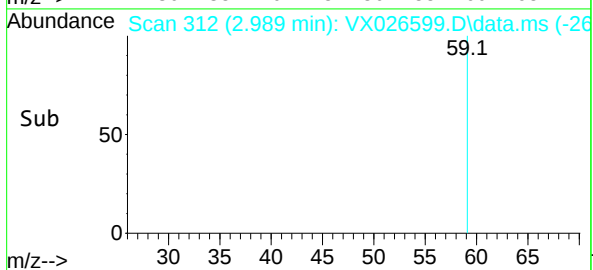
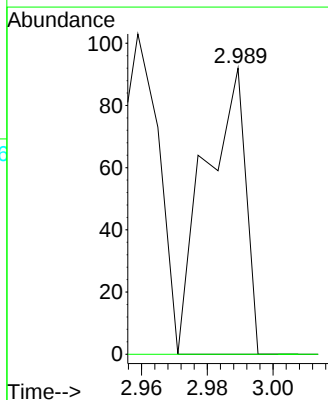
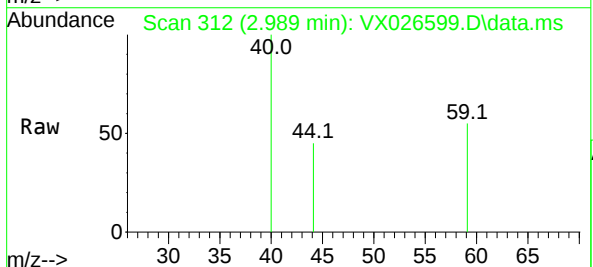
Instrument :
MSVOA_X
ClientSampleId :
PB142265ZHE#09

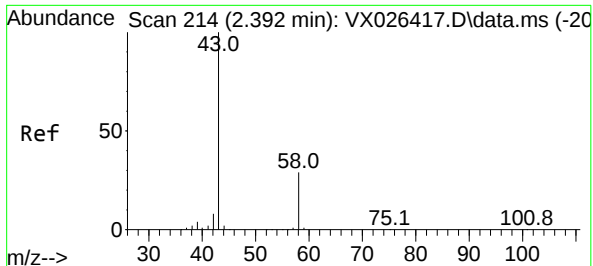
Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 38.1 57.1#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.310 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.018 min
Lab File: VX026599.D
Acq: 26 Jan 2022 17:01

Tgt Ion: 59 Resp: 79
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

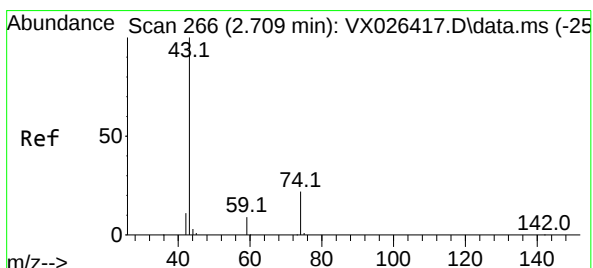
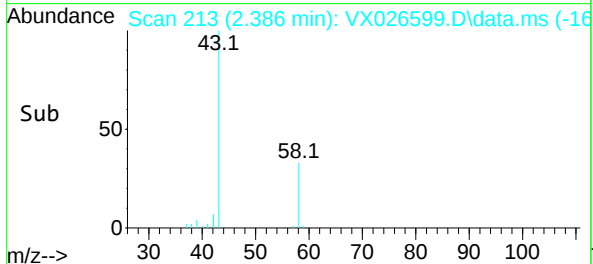
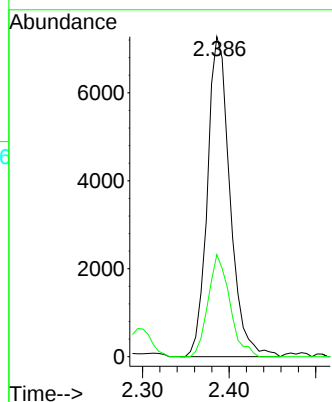
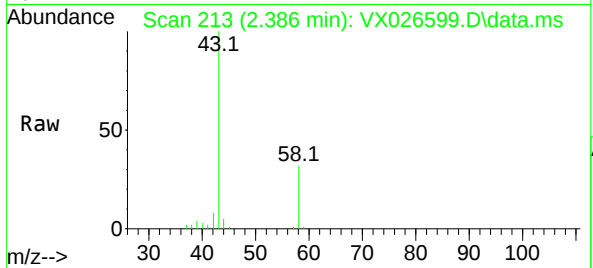




#16
Acetone
Concen: 14.079 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX026599.D
Acq: 26 Jan 2022 17:01

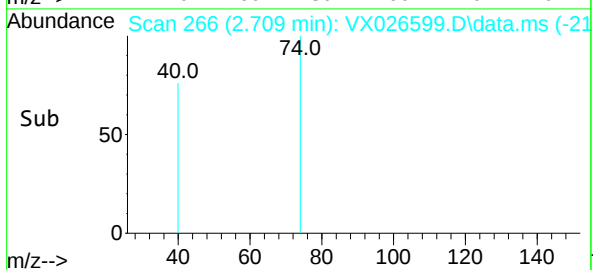
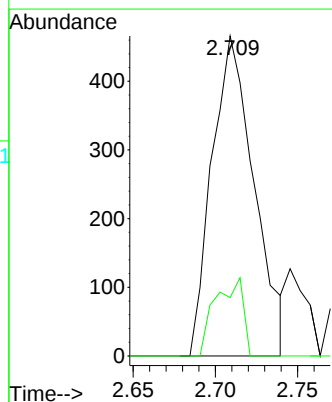
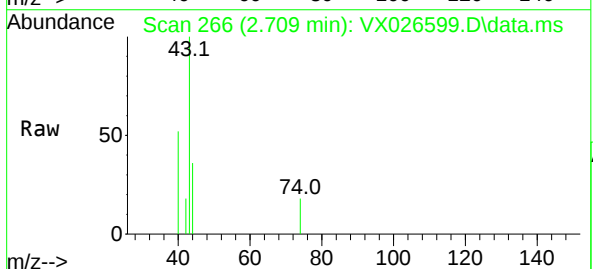
Instrument :
MSVOA_X
ClientSampleId :
PB142265ZHE#09

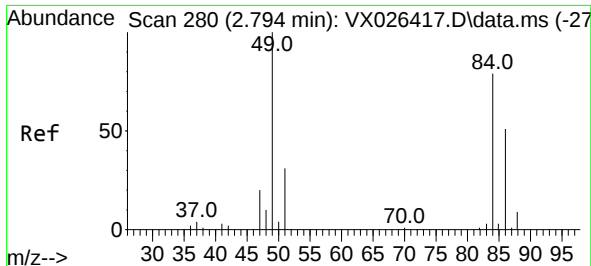
Tgt Ion: 43 Resp: 13156
Ion Ratio Lower Upper
43 100
58 31.9 23.0 34.6



#18
Methyl Acetate
Concen: 0.448 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX026599.D
Acq: 26 Jan 2022 17:01

Tgt Ion: 43 Resp: 832
Ion Ratio Lower Upper
43 100
74 16.1 18.3 27.5#





#20

Methylene Chloride

Concen: 2.770 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX026599.D

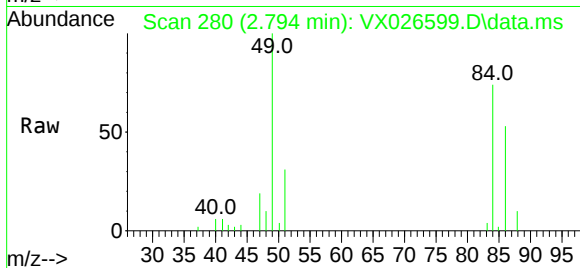
Acq: 26 Jan 2022 17:01

Instrument :

MSVOA_X

ClientSampleId :

PB142265ZHE#09



Tgt Ion: 84 Resp: 4276

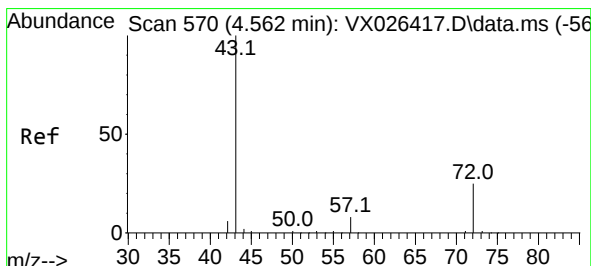
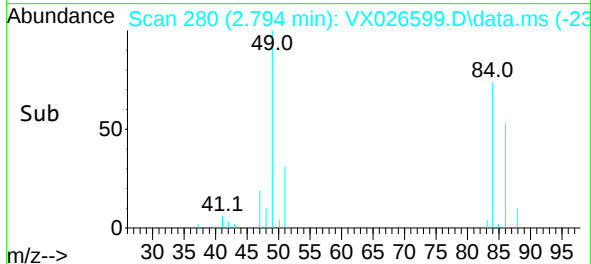
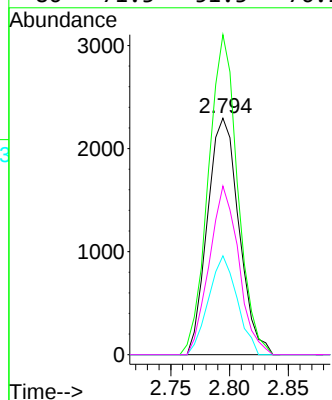
Ion Ratio Lower Upper

84 100

49 135.4 101.5 152.3

51 41.8 31.2 46.8

86 71.3 51.3 76.9



#25

2-Butanone

Concen: 1.577 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX026599.D

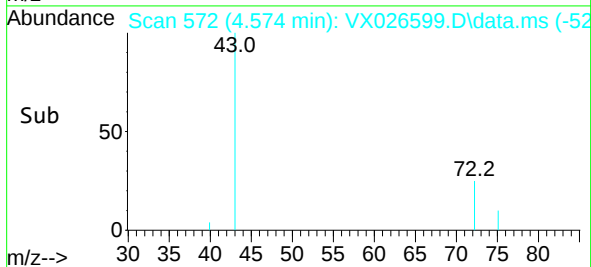
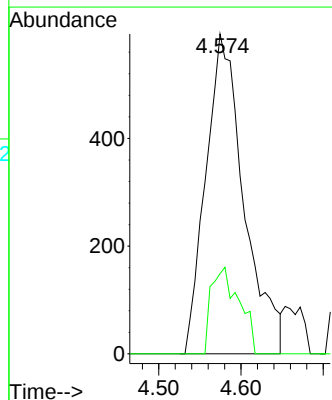
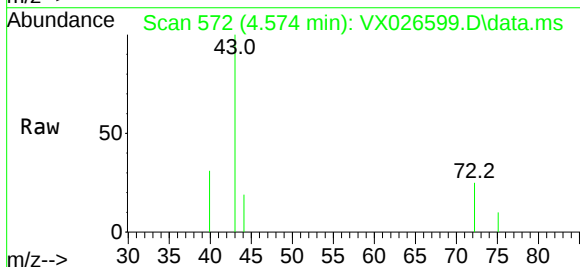
Acq: 26 Jan 2022 17:01

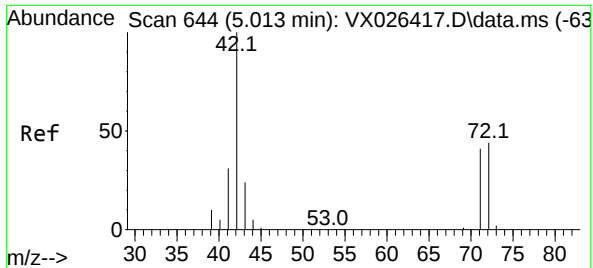
Tgt Ion: 43 Resp: 1916

Ion Ratio Lower Upper

43 100

72 25.1 20.4 30.6





#29

Tetrahydrofuran

Concen: 0.252 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX026599.D

Acq: 26 Jan 2022 17:01

Instrument :

MSVOA_X

ClientSampleId :

PB142265ZHE#09

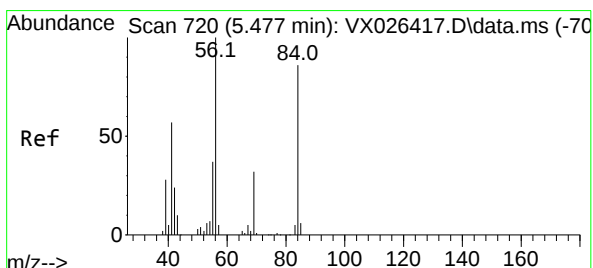
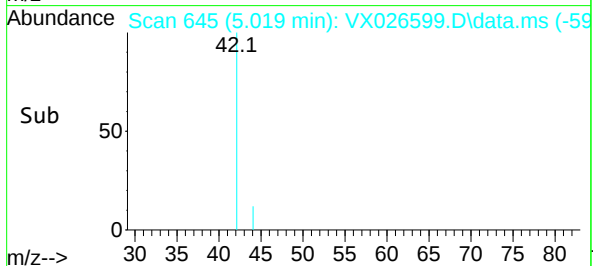
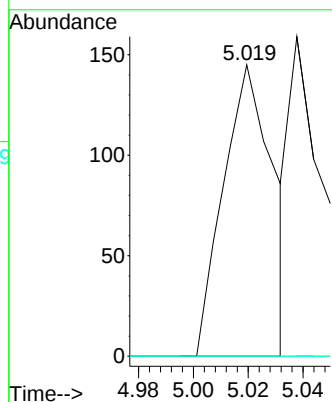
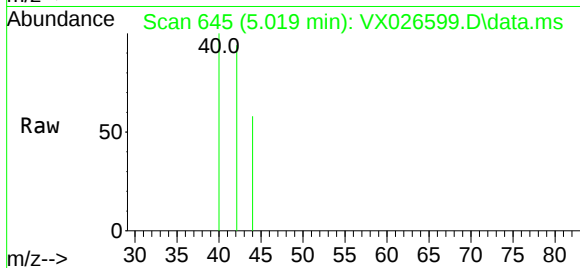
Tgt Ion: 42 Resp: 182

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

71 0.0 31.8 47.8#



#31

Cyclohexane

Concen: 0.995 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX026599.D

Acq: 26 Jan 2022 17:01

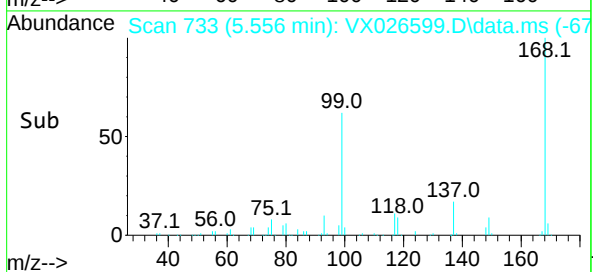
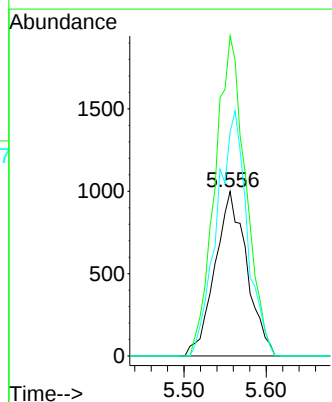
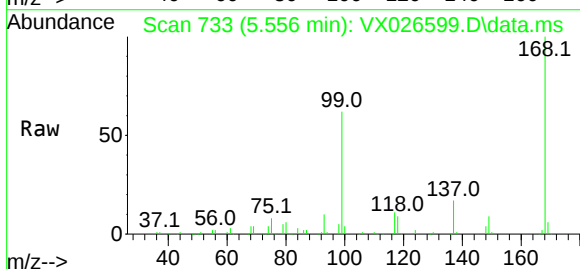
Tgt Ion: 56 Resp: 2688

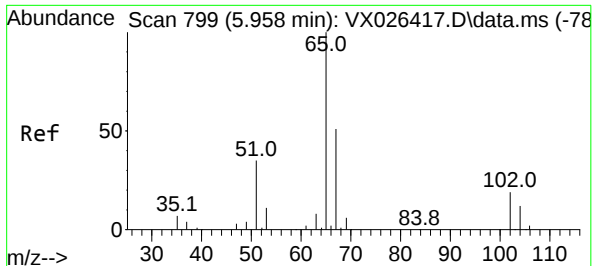
Ion Ratio Lower Upper

56 100

69 194.5 25.8 38.6#

84 136.0 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 47.083 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX026599.D

Acq: 26 Jan 2022 17:01

Instrument :

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ClientSampleId :

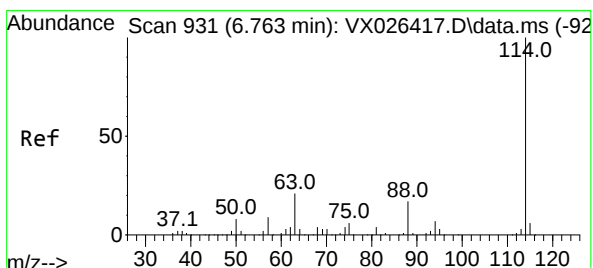
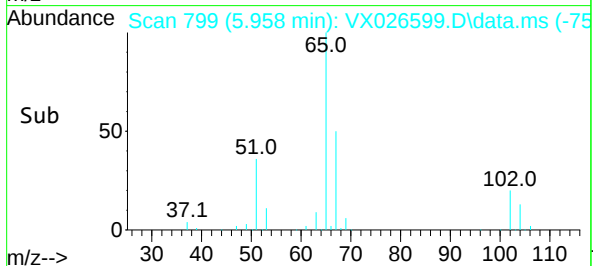
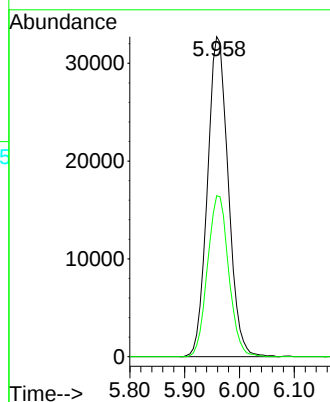
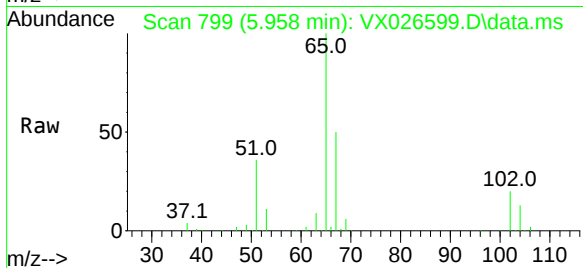
PB142265ZHE#09

Tgt Ion: 65 Resp: 86271

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX026599.D

Acq: 26 Jan 2022 17:01

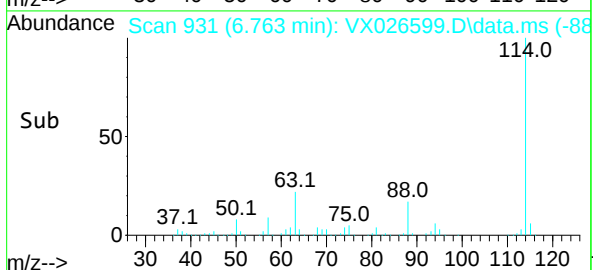
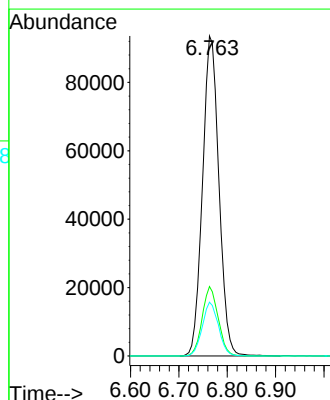
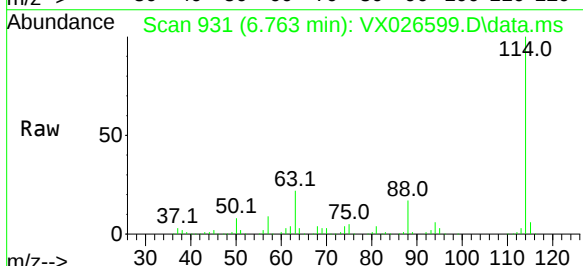
Tgt Ion: 114 Resp: 220701

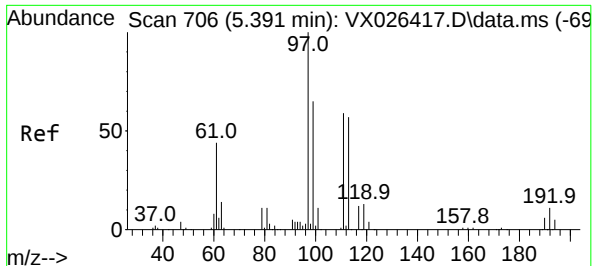
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.8

88 16.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.237 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026599.D

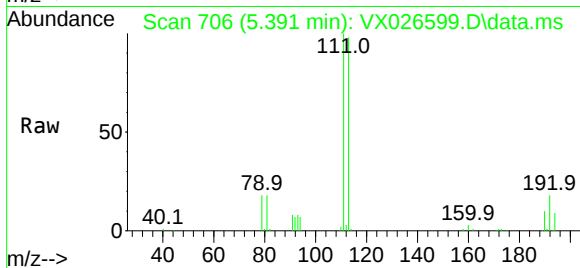
Acq: 26 Jan 2022 17:01

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PB142265ZHE#09



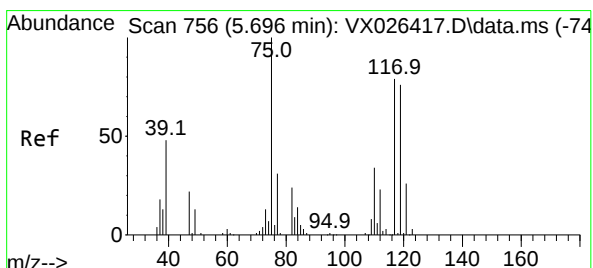
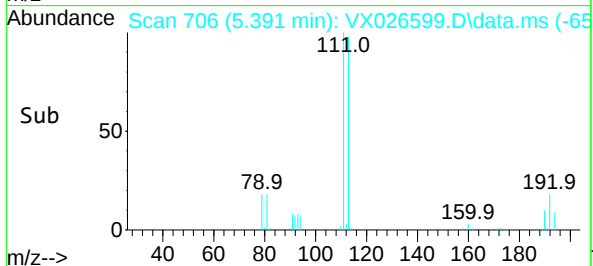
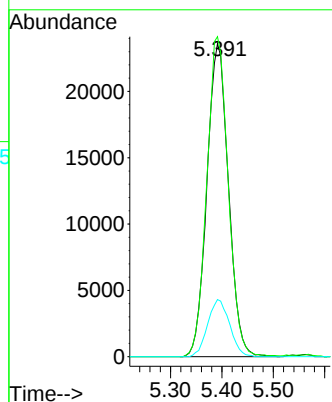
Tgt Ion:113 Resp: 68748

Ion Ratio Lower Upper

113 100

111 101.8 81.2 121.8

192 18.6 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.532 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX026599.D

Acq: 26 Jan 2022 17:01

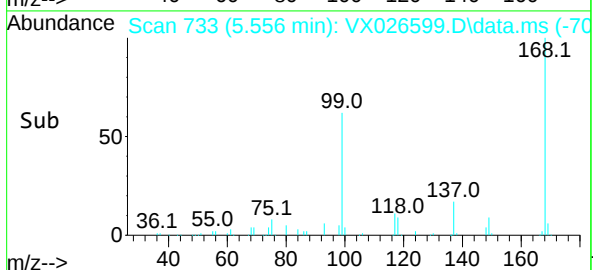
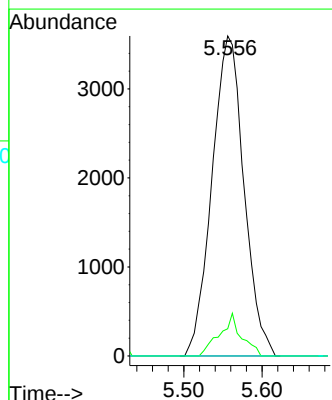
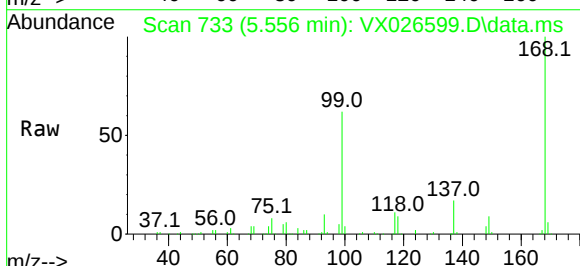
Tgt Ion: 75 Resp: 10196

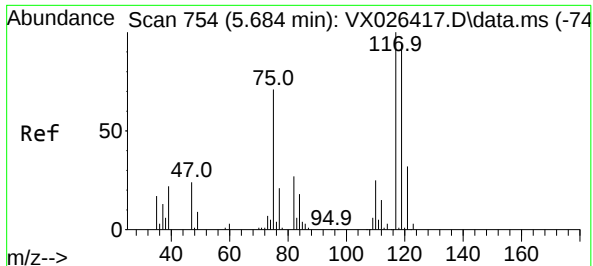
Ion Ratio Lower Upper

75 100

110 9.0 17.2 51.6#

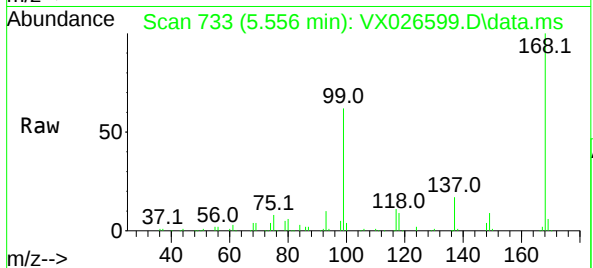
77 0.0 24.6 36.8#



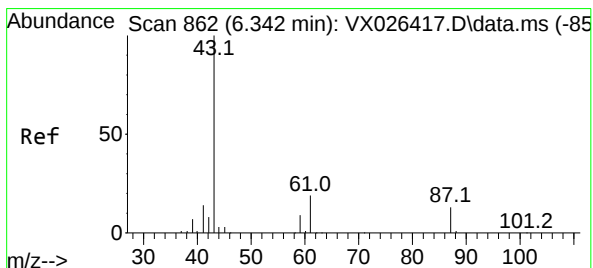
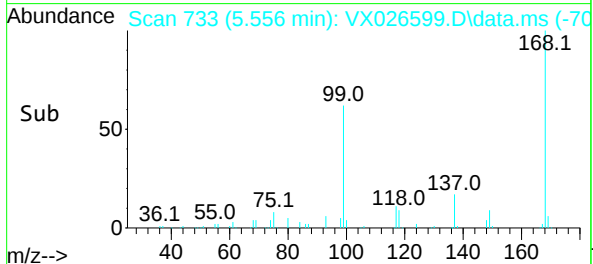
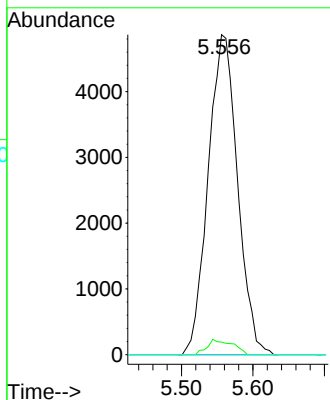


#38
Carbon Tetrachloride
Concen: 6.002 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX026599.D
Acq: 26 Jan 2022 17:01

Instrument :
MSVOA_X
ClientSampleId :
PB142265ZHE#09

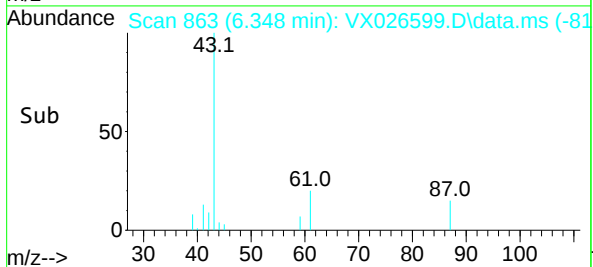
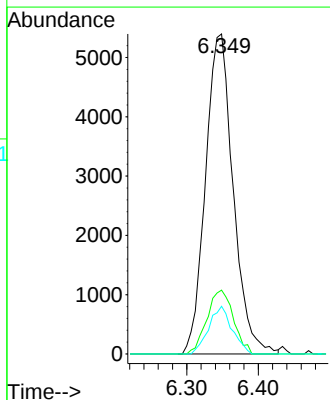
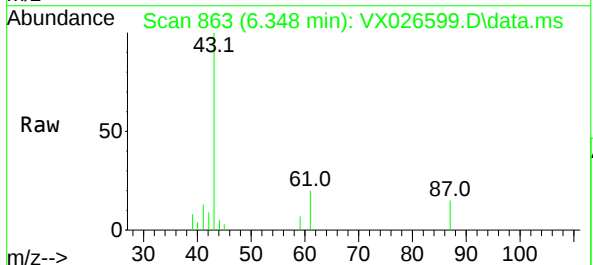


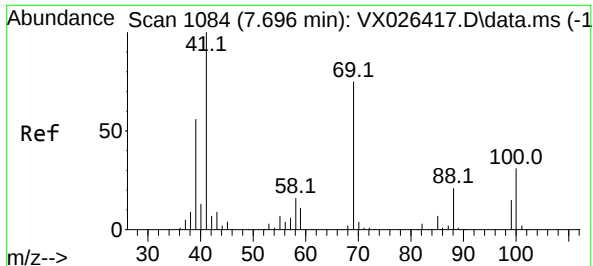
Tgt Ion:117 Resp: 13891
Ion Ratio Lower Upper
117 100
119 3.9 74.7 112.1#
121 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 3.949 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX026599.D
Acq: 26 Jan 2022 17:01

Tgt Ion: 43 Resp: 14520
Ion Ratio Lower Upper
43 100
61 19.0 15.4 23.0
87 12.6 10.2 15.2





#48

Methyl methacrylate

Concen: 2.392 ug/l

RT: 7.598 min Scan# 1100

Delta R.T. -0.097 min

Lab File: VX026599.D

Acq: 26 Jan 2022 17:01

Instrument :

MSVOA_X

ClientSampleId :

PB142265ZHE#09

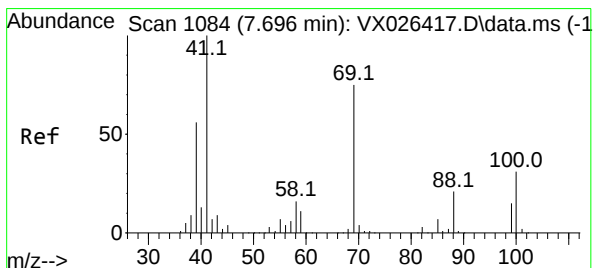
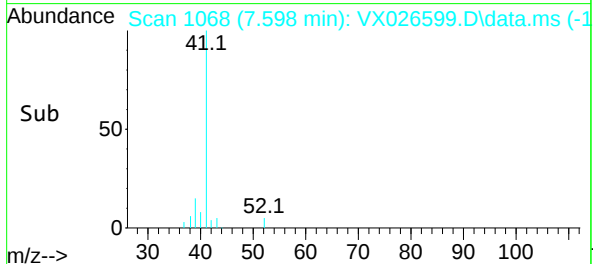
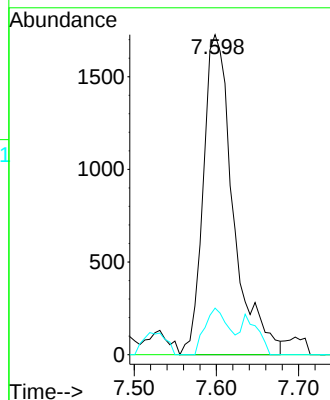
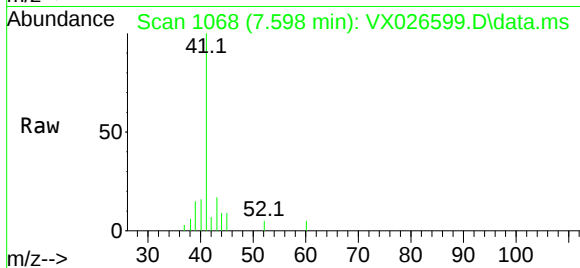
Tgt Ion: 41 Resp: 4359

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: 2.441 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.098 min

Lab File: VX026599.D

Acq: 26 Jan 2022 17:01

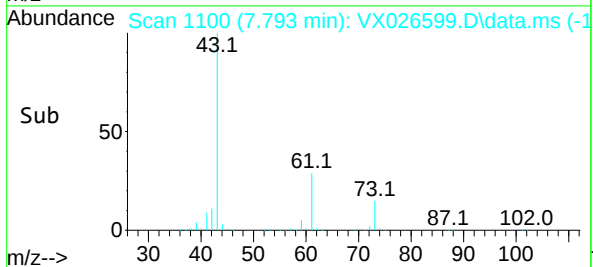
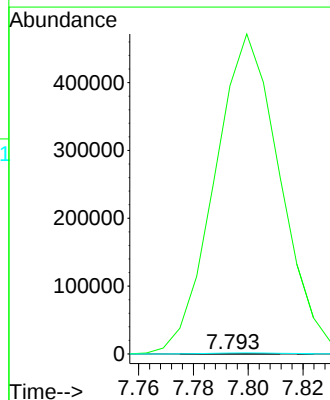
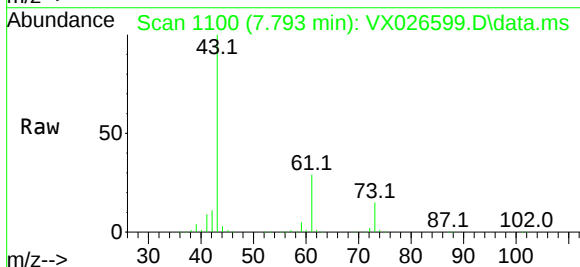
Tgt Ion: 88 Resp: 73

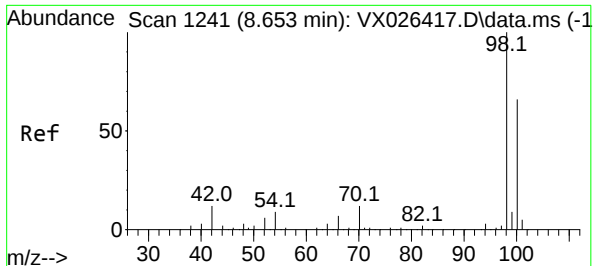
Ion Ratio Lower Upper

88 100

43 1082960.3 29.9 44.9#

58 4083.6 57.8 86.6#

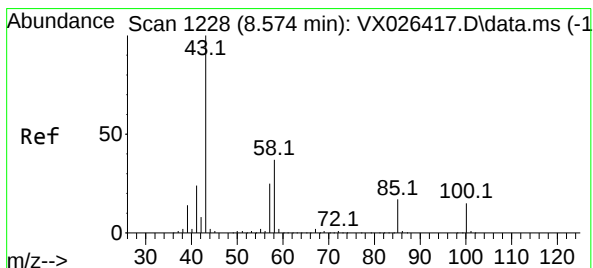
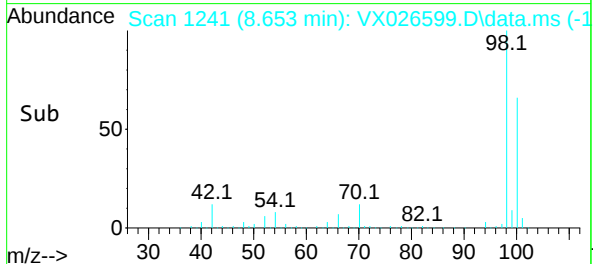
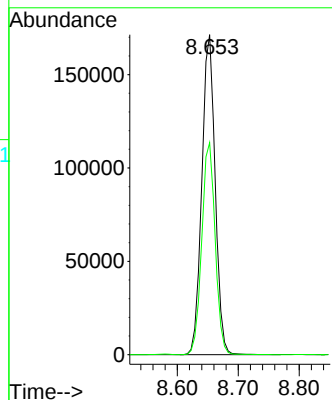
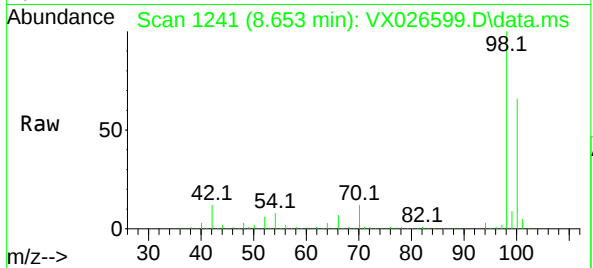




#50
Toluene-d8
Concen: 50.778 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX026599.D
Acq: 26 Jan 2022 17:01

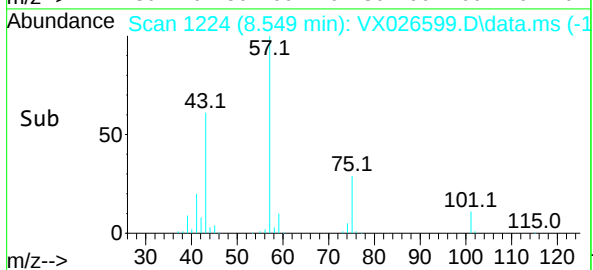
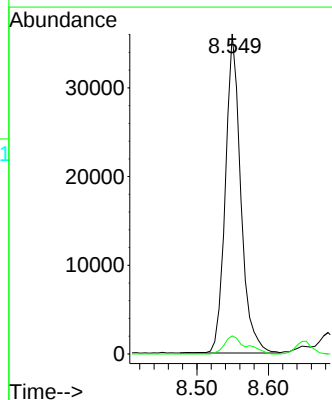
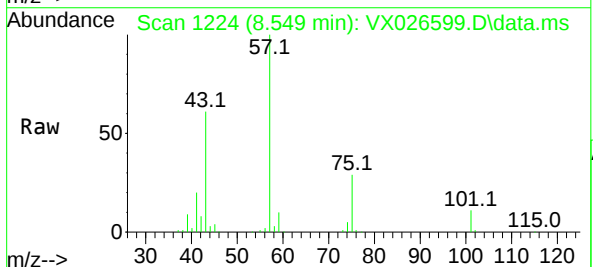
Instrument :
MSVOA_X
ClientSampleId :
PB142265ZHE#09

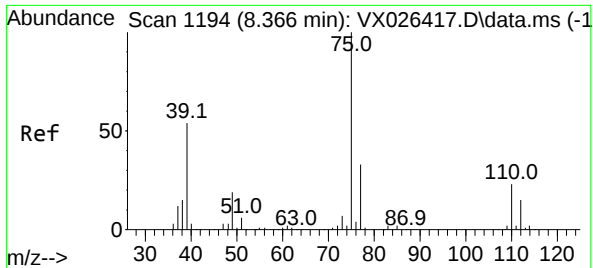
Tgt Ion: 98 Resp: 260790
Ion Ratio Lower Upper
98 100
100 66.7 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 24.729 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX026599.D
Acq: 26 Jan 2022 17:01

Tgt Ion: 43 Resp: 53924
Ion Ratio Lower Upper
43 100
58 7.9 30.5 45.7#

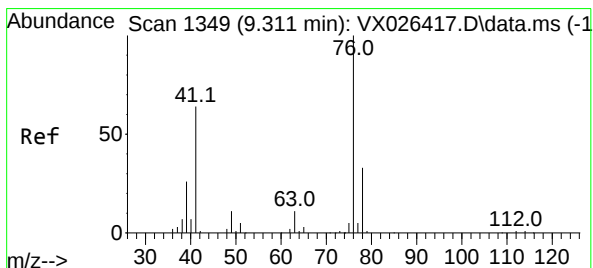
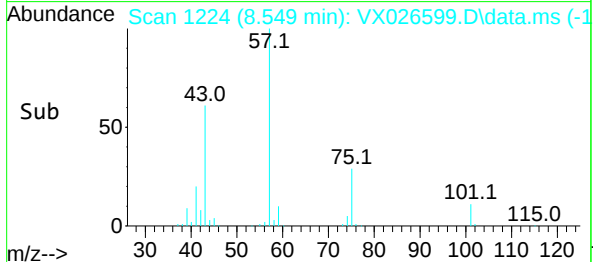
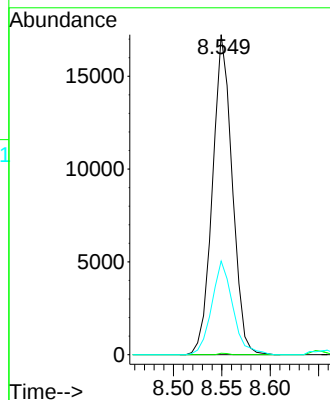
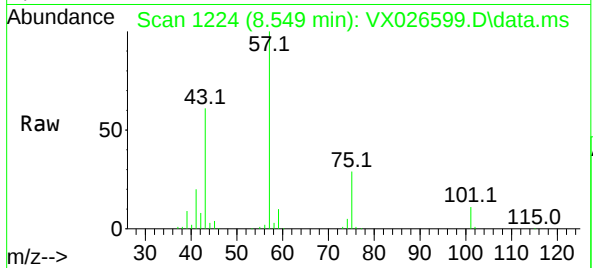




#54
 cis-1,3-Dichloropropene
 Concen: 10.297 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX026599.D
 Acq: 26 Jan 2022 17:01

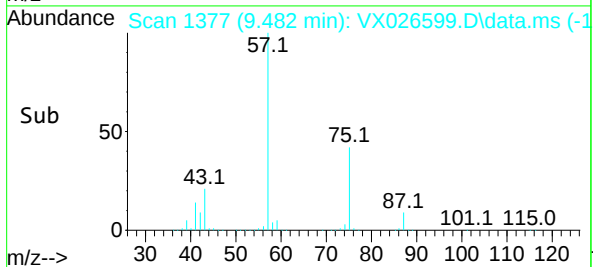
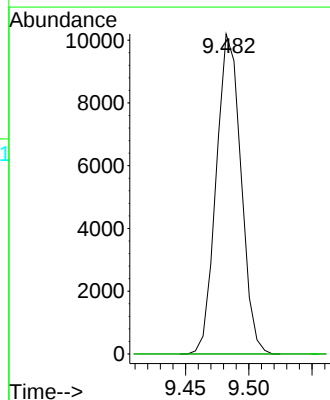
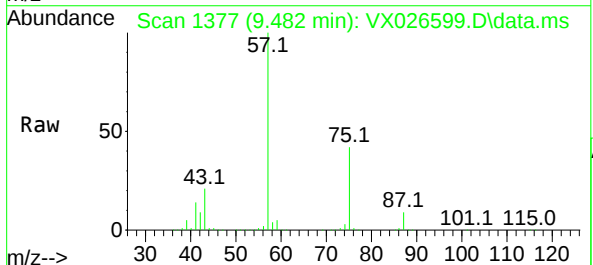
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142265ZHE#09

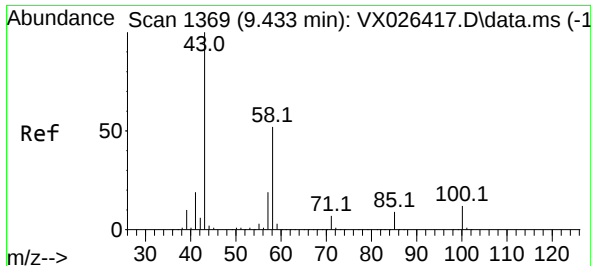
Tgt Ion: 75 Resp: 24452
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.2 39.2#
 39 29.2 43.5 65.3#



#57
 1,3-Dichloropropane
 Concen: 5.366 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX026599.D
 Acq: 26 Jan 2022 17:01

Tgt Ion: 76 Resp: 13846
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#





#59

2-Hexanone

Concen: 117.470 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX026599.D

Acq: 26 Jan 2022 17:01

Instrument :

MSVOA_X

ClientSampleId :

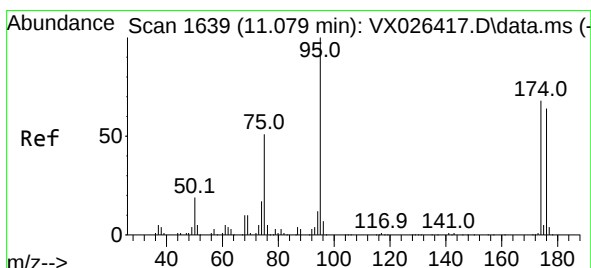
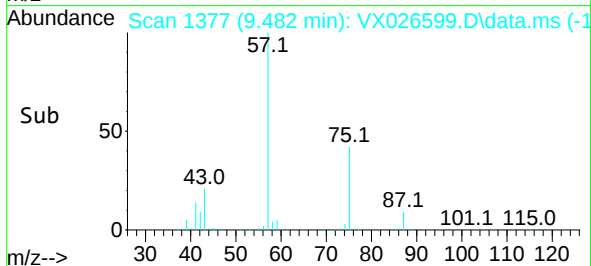
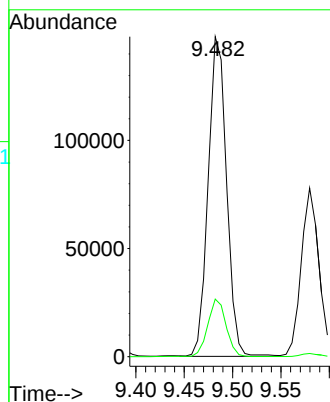
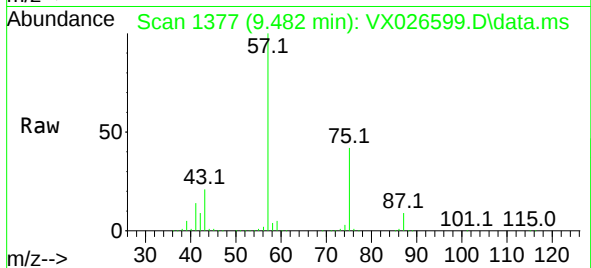
PB142265ZHE#09

Tgt Ion: 43 Resp: 196058

Ion Ratio Lower Upper

43 100

58 18.1 26.4 79.2#



#62

4-Bromofluorobenzene

Concen: 51.620 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX026599.D

Acq: 26 Jan 2022 17:01

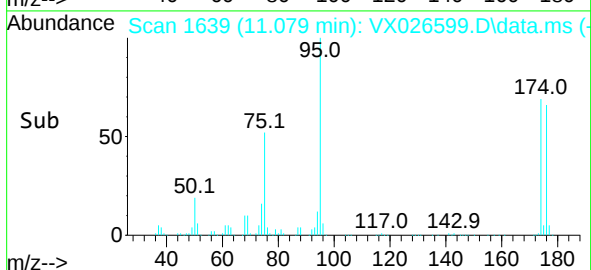
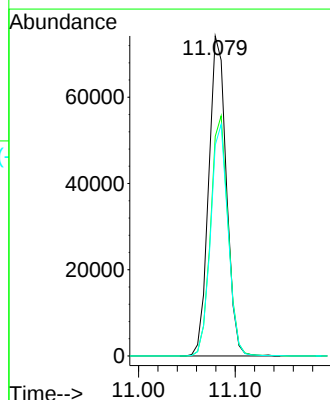
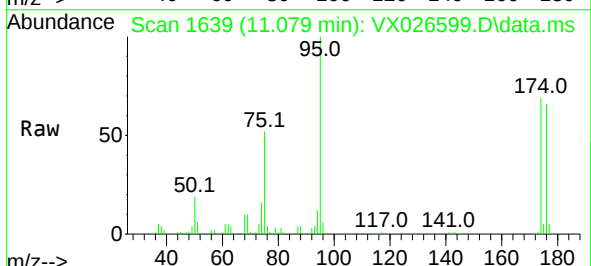
Tgt Ion: 95 Resp: 94179

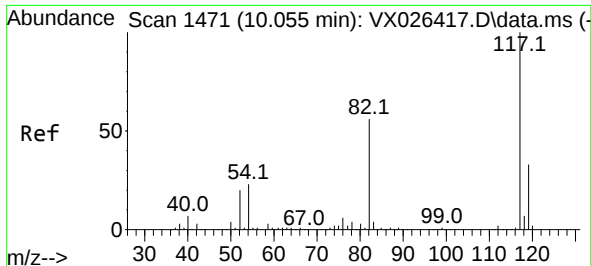
Ion Ratio Lower Upper

95 100

174 74.2 0.0 148.6

176 71.6 0.0 141.4

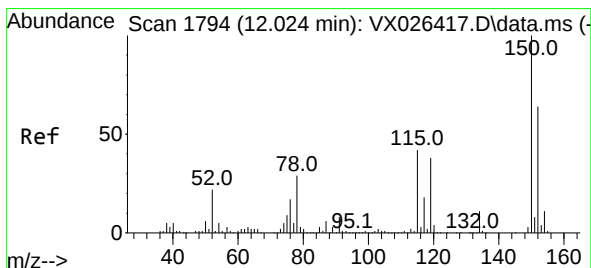
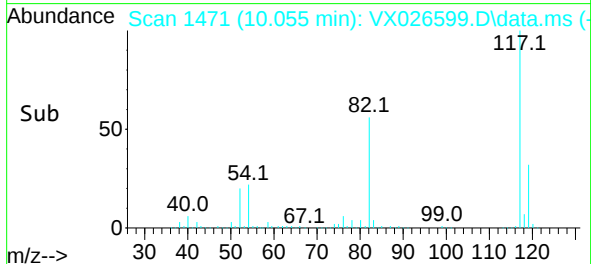
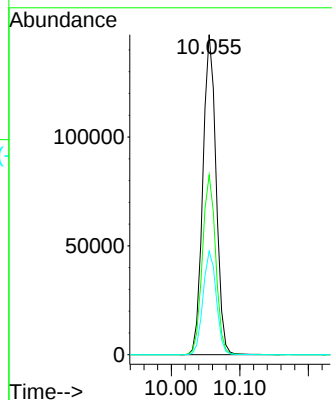
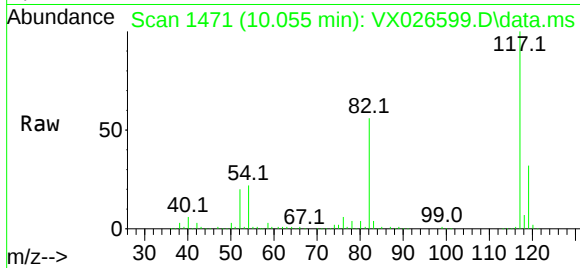




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026599.D
Acq: 26 Jan 2022 17:01

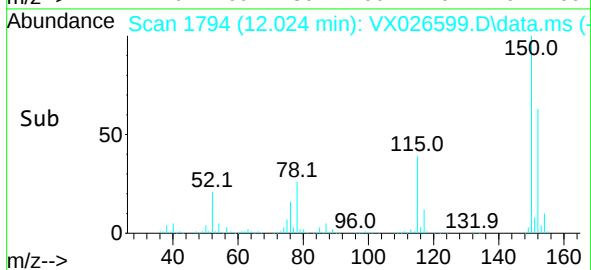
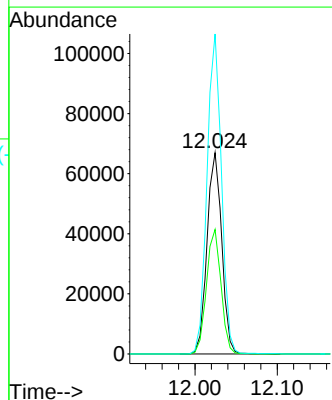
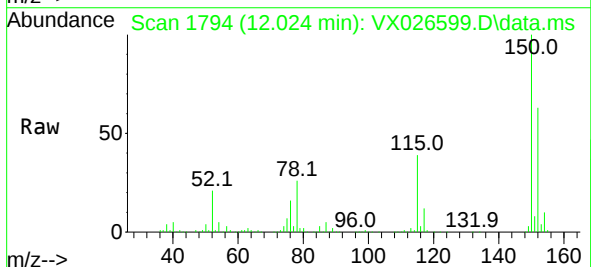
Instrument :
MSVOA_X
ClientSampleId :
PB142265ZHE#09

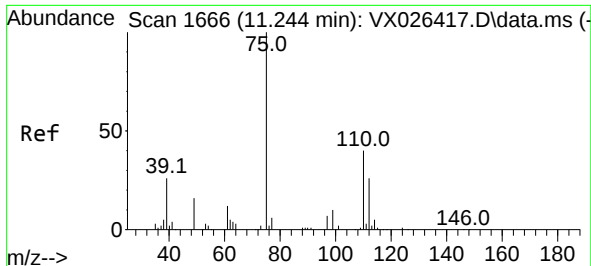
Tgt Ion:117 Resp: 197732
Ion Ratio Lower Upper
117 100
82 56.1 45.2 67.8
119 32.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026599.D
Acq: 26 Jan 2022 17:01

Tgt Ion:152 Resp: 83180
Ion Ratio Lower Upper
152 100
115 61.3 44.2 132.6
150 156.1 0.0 348.2

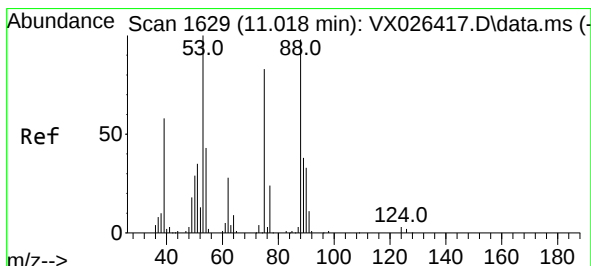
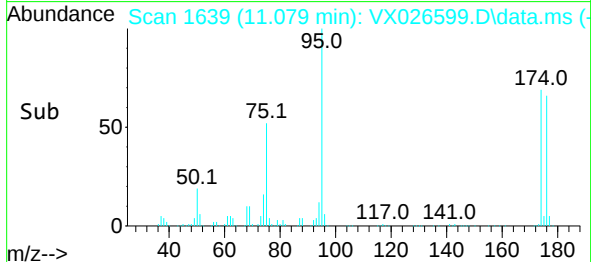
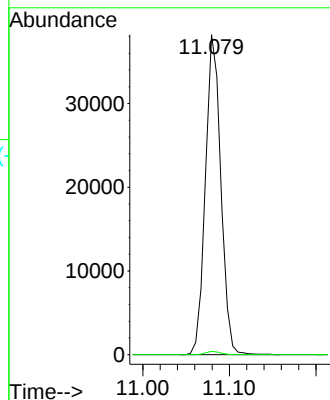
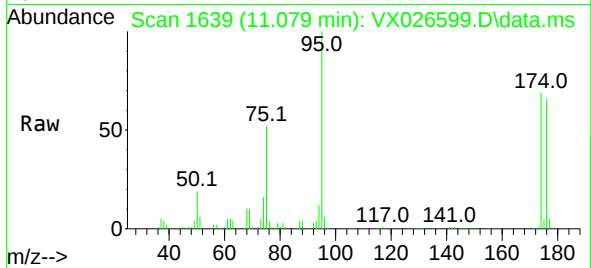




#76
1,2,3-Trichloropropane
Concen: 25.794 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX026599.D
Acq: 26 Jan 2022 17:01

Instrument :
MSVOA_X
ClientSampleId :
PB142265ZHE#09

Tgt Ion: 75 Resp: 47241
Ion Ratio Lower Upper
75 100
77 1.0 18.3 54.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.247 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026599.D
Acq: 26 Jan 2022 17:01

Tgt Ion: 75 Resp: 47241
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

