

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042622\
 Data File : VX028355.D
 Acq On : 26 Apr 2022 17:22
 Operator : JC/MD
 Sample : PB144365TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144365TB

Quant Time: Apr 27 02:06:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

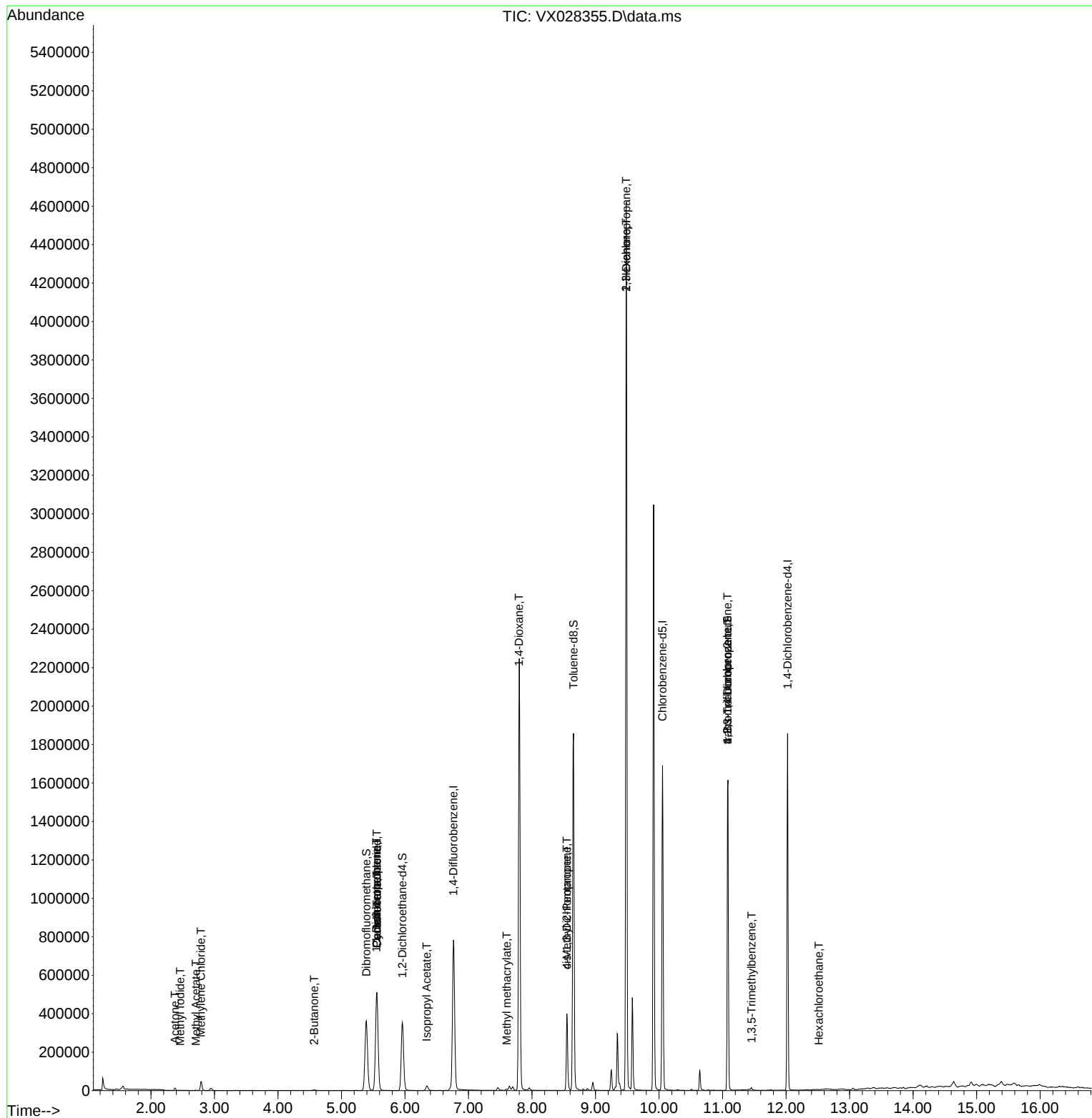
Internal Standards						
1) Pentafluorobenzene	5.556	168	519218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	851602	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	804284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	390848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	333420	49.250	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.500%
35) Dibromofluoromethane	5.391	113	314125	52.598	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.200%
50) Toluene-d8	8.653	98	1155590	50.379	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.760%
62) 4-Bromofluorobenzene	11.079	95	427169	48.705	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	570	Below Cal	#	84
5) Bromomethane	1.611	94	1301	Below Cal		83
6) Chloroethane	1.648	64	369	Below Cal	#	55
8) Diethyl Ether	1.959	74	23	Below Cal		73
10) Methyl Iodide	2.459	142	1194	5.420	ug/l #	93
11) Tert butyl alcohol	2.947	59	6576	Below Cal	#	75
16) Acetone	2.380	43	13715	5.266	ug/l	94
18) Methyl Acetate	2.709	43	2244	0.373	ug/l #	86
20) Methylene Chloride	2.788	84	23508	4.680	ug/l	98
25) 2-Butanone	4.568	43	3233	0.806	ug/l	95
31) Cyclohexane	5.556	56	9327	1.131	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	34524	4.432	ug/l #	50
38) Carbon Tetrachloride	5.556	117	49933	5.678	ug/l #	16
43) Isopropyl Acetate	6.342	43	32467	2.524	ug/l	99
48) Methyl methacrylate	7.604	41	8631	1.461	ug/l #	7
49) 1,4-Dioxane	7.793	88	385	2.437	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	127671	15.465	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	69040	7.189	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	44191	4.253	ug/l #	43
59) 2-Hexanone	9.482	43	485574	75.932	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	209395	27.222	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	5192	0.228	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	209395	80.896	ug/l #	15
90) Hexachloroethane	12.518	117	21	1.818	ug/l #	10

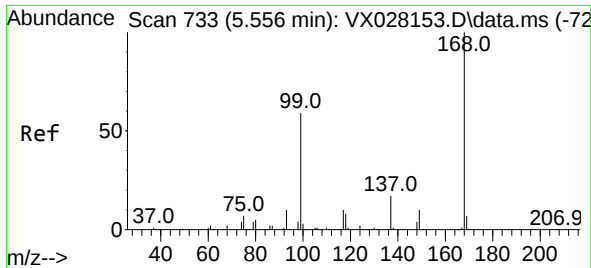
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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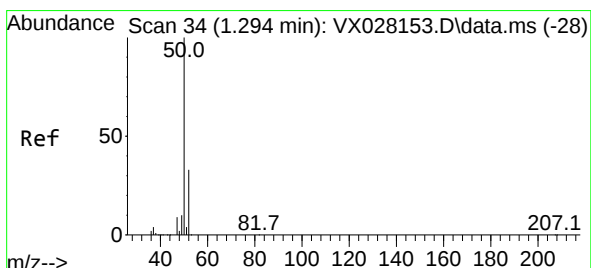
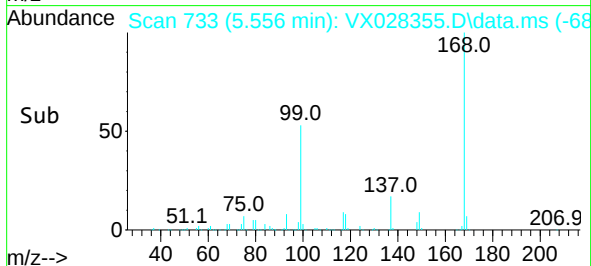
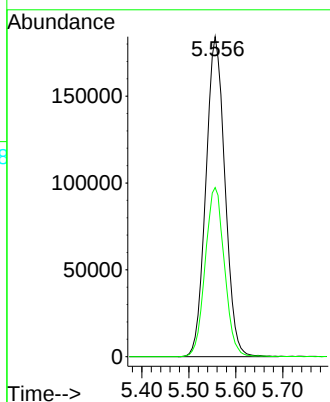
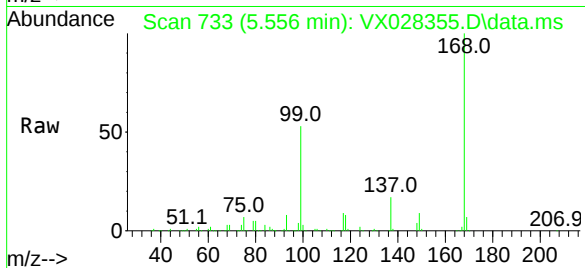




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

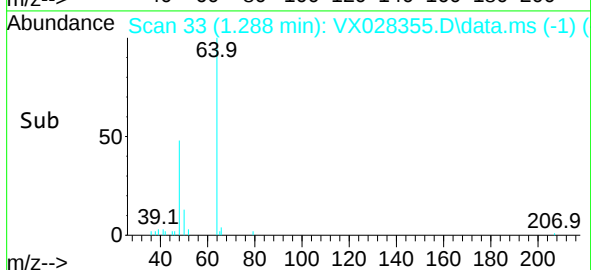
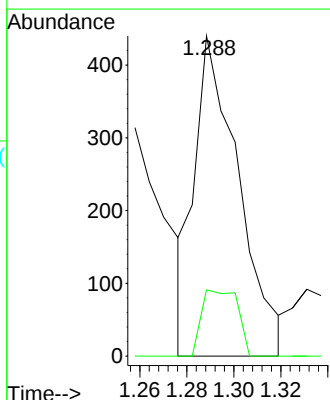
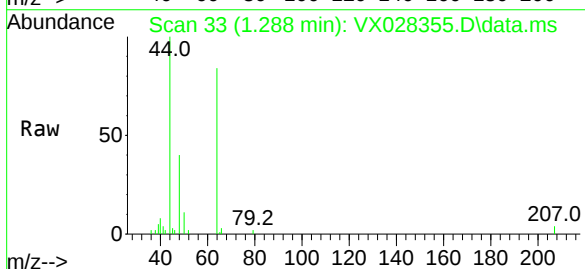
Instrument :
MSVOA_X
ClientSampleId :
PB144365TB

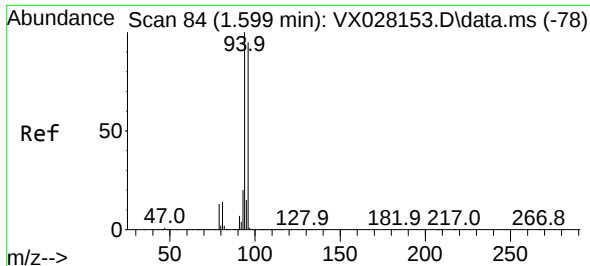
Tgt Ion:168 Resp: 519218
Ion Ratio Lower Upper
168 100
99 52.8 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

Tgt Ion: 50 Resp: 570
Ion Ratio Lower Upper
50 100
52 23.7 26.4 39.6#

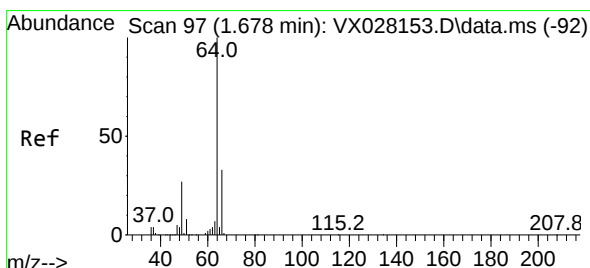
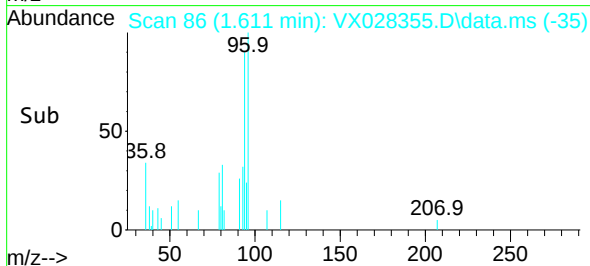
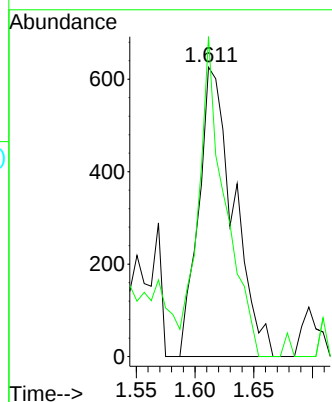
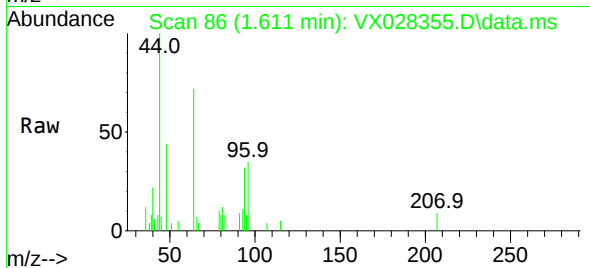




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

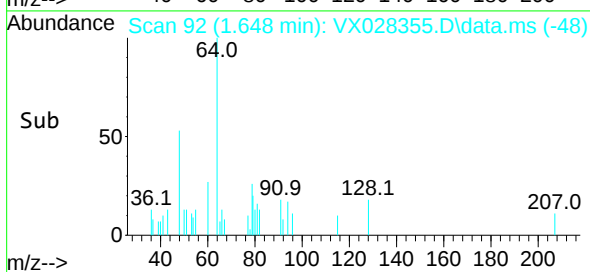
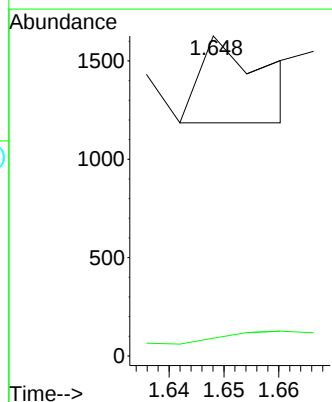
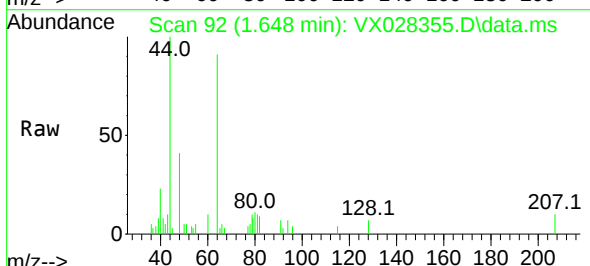
Instrument :
MSVOA_X
ClientSampleId :
PB144365TB

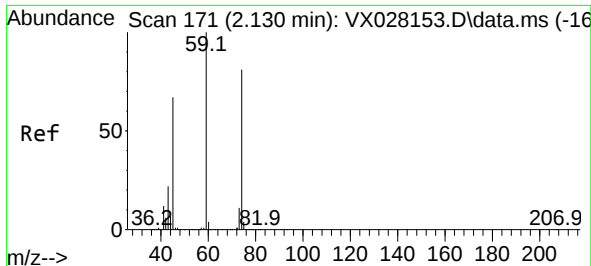
Tgt Ion: 94 Resp: 1301
Ion Ratio Lower Upper
94 100
96 110.5 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.648 min Scan# 92
Delta R.T. -0.030 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

Tgt Ion: 64 Resp: 369
Ion Ratio Lower Upper
64 100
66 6.8 25.3 37.9#

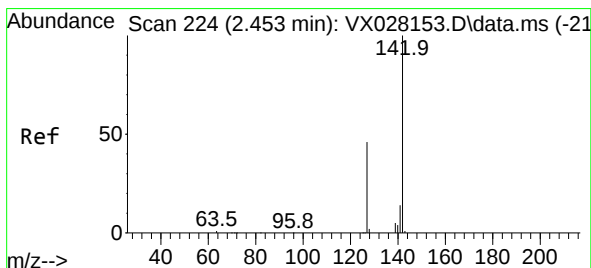
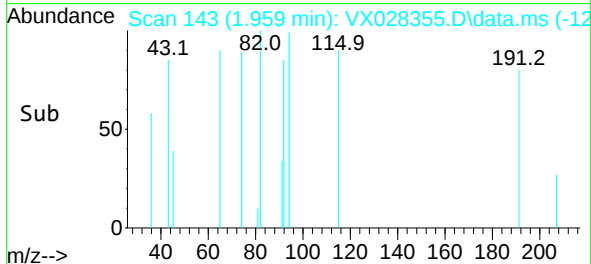
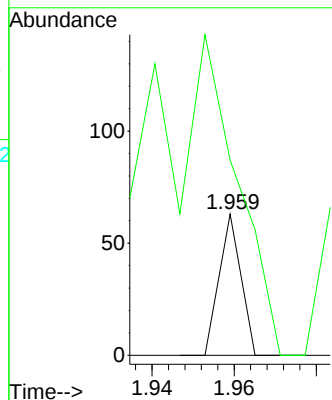
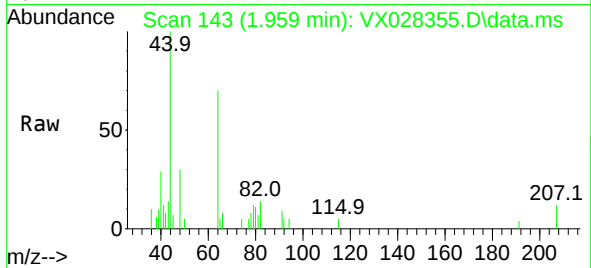




#8
Diethyl Ether
Concen: Below Cal
RT: 1.959 min Scan# 14
Delta R.T. -0.171 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

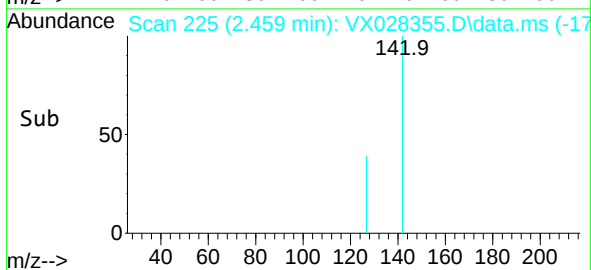
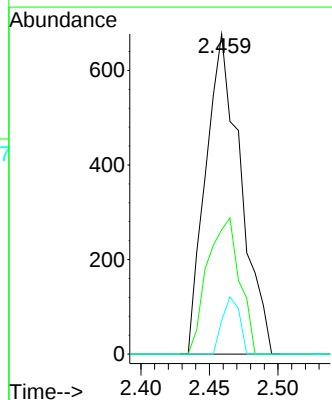
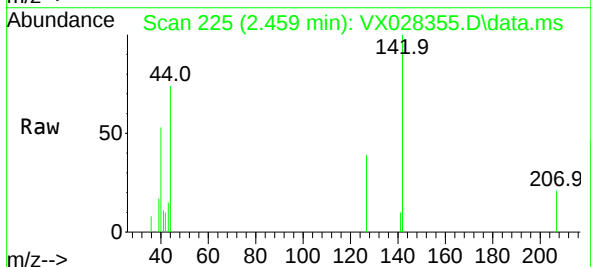
Instrument :
MSVOA_X
ClientSampleId :
PB144365TB

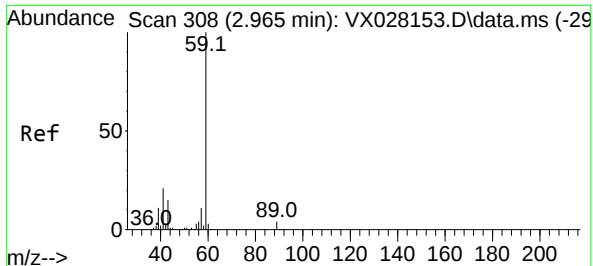
Tgt Ion: 74 Resp: 23
Ion Ratio Lower Upper
74 100
45 108.7 42.0 126.0



#10
Methyl Iodide
Concen: 5.420 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

Tgt Ion:142 Resp: 1194
Ion Ratio Lower Upper
142 100
127 39.4 33.9 50.9
141 8.8 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX028355.D

Acq: 26 Apr 2022 17:22

Instrument :

MSVOA_X

ClientSampleId :

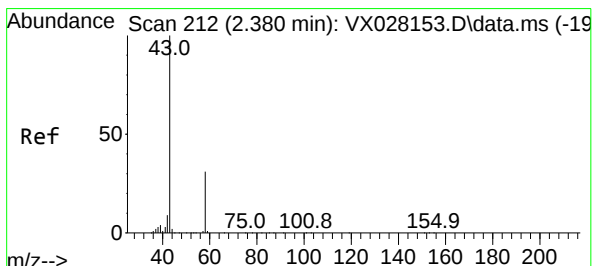
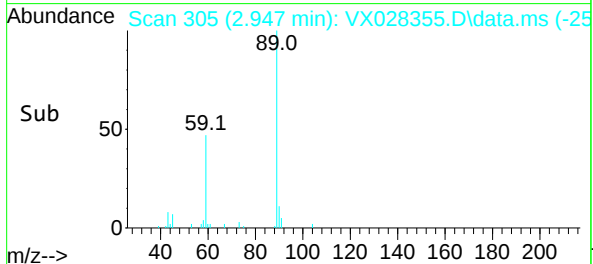
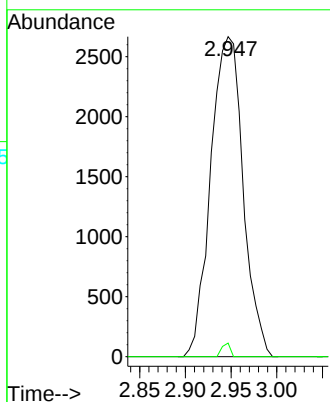
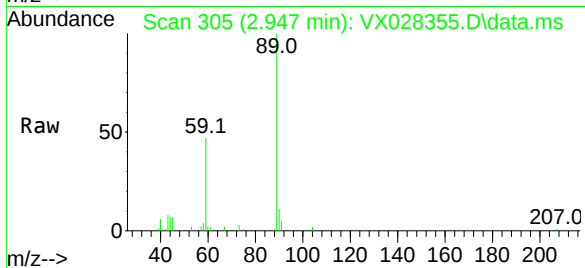
PB144365TB

Tgt Ion: 59 Resp: 6576

Ion Ratio Lower Upper

59 100

57 1.1 8.3 12.5#



#16

Acetone

Concen: 5.266 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028355.D

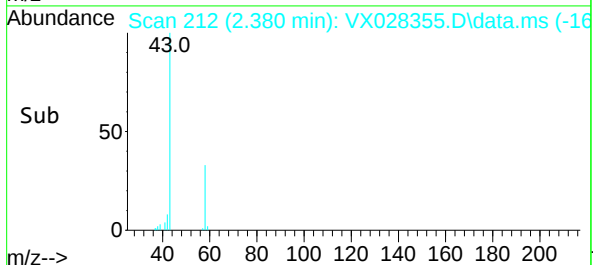
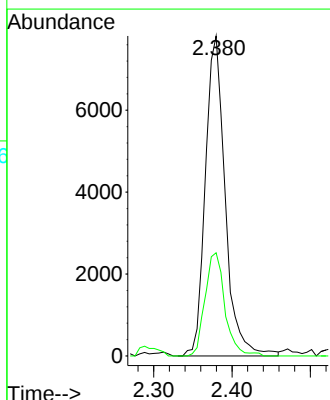
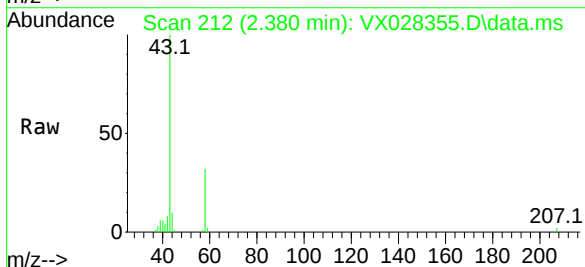
Acq: 26 Apr 2022 17:22

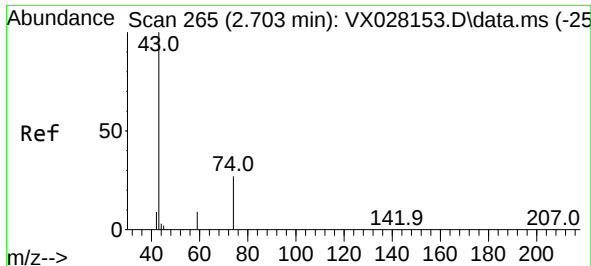
Tgt Ion: 43 Resp: 13715

Ion Ratio Lower Upper

43 100

58 32.3 28.8 43.2

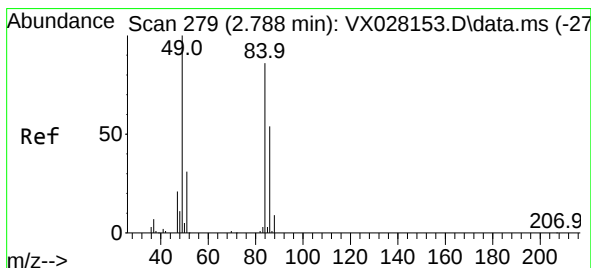
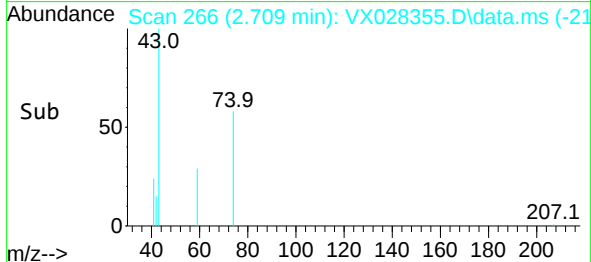
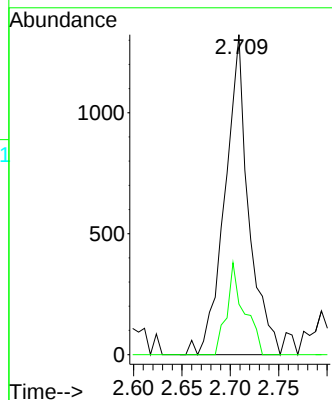
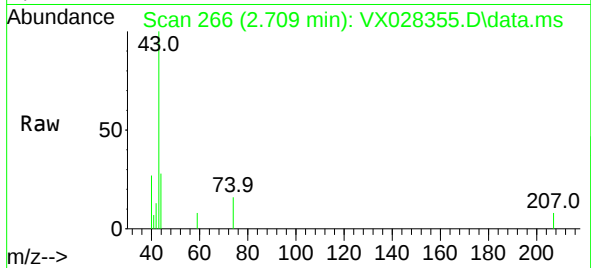




#18
Methyl Acetate
Concen: 0.373 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

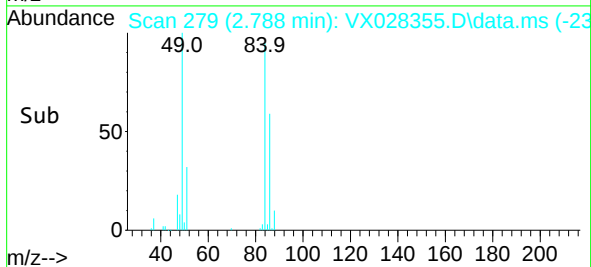
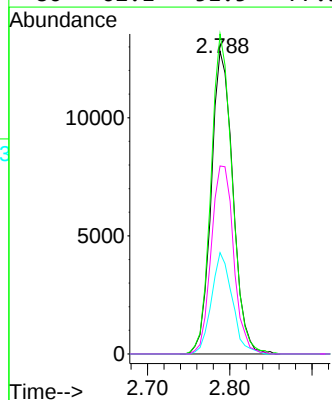
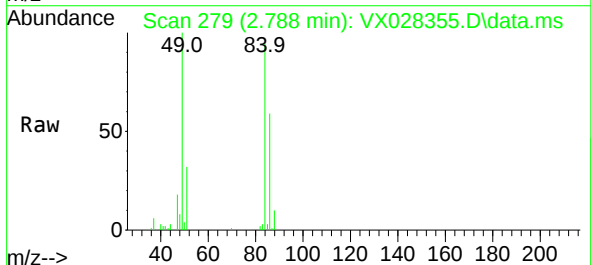
Instrument :
MSVOA_X
ClientSampleId :
PB144365TB

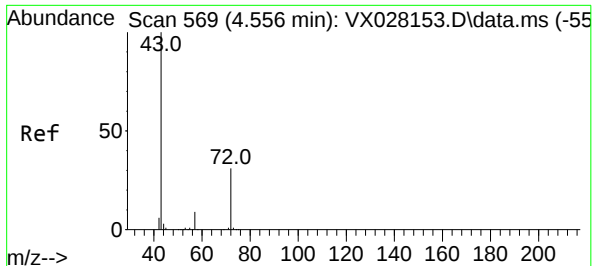
Tgt Ion: 43 Resp: 2244
Ion Ratio Lower Upper
43 100
74 21.1 22.8 34.2#



#20
Methylene Chloride
Concen: 4.680 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

Tgt Ion: 84 Resp: 23508
Ion Ratio Lower Upper
84 100
49 105.7 85.5 128.3
51 33.5 26.6 39.8
86 62.1 51.5 77.3





#25

2-Butanone

Concen: 0.806 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028355.D

Acq: 26 Apr 2022 17:22

Instrument :

MSVOA_X

ClientSampleId :

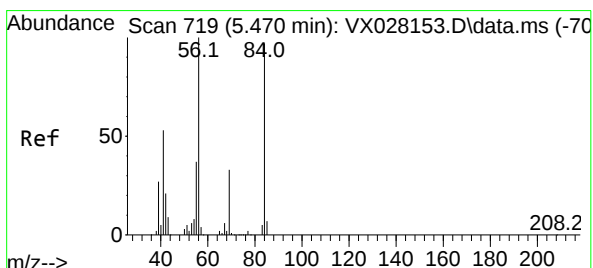
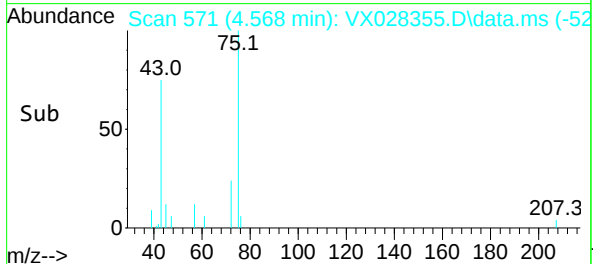
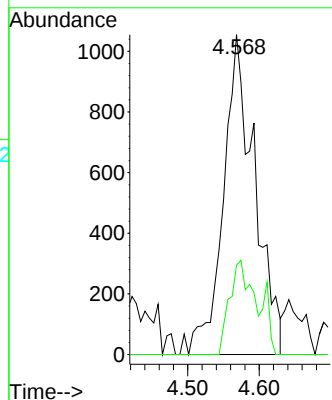
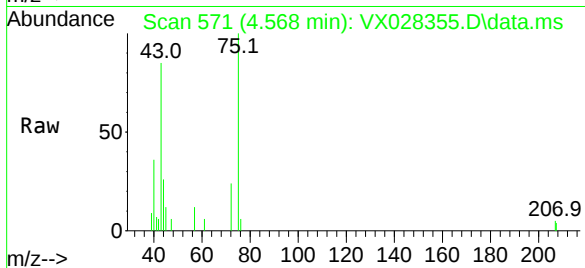
PB144365TB

Tgt Ion: 43 Resp: 3233

Ion Ratio Lower Upper

43 100

72 28.0 24.4 36.6



#31

Cyclohexane

Concen: 1.131 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028355.D

Acq: 26 Apr 2022 17:22

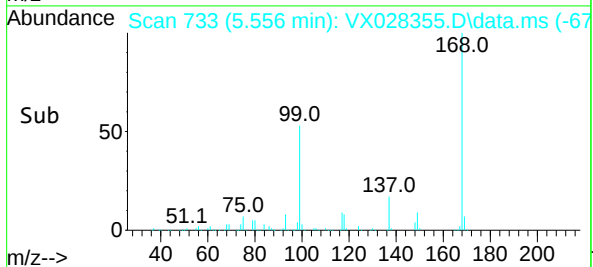
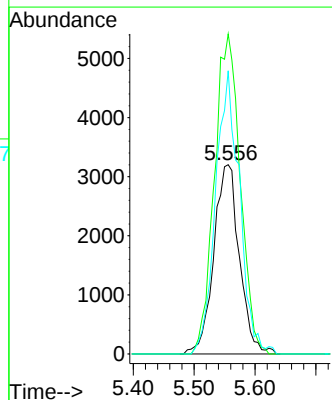
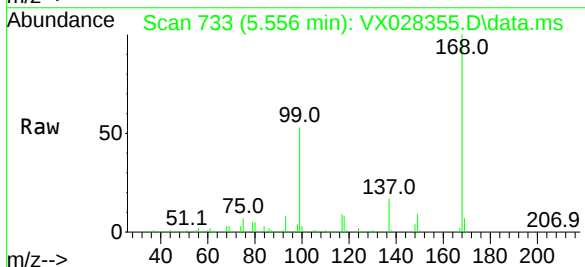
Tgt Ion: 56 Resp: 9327

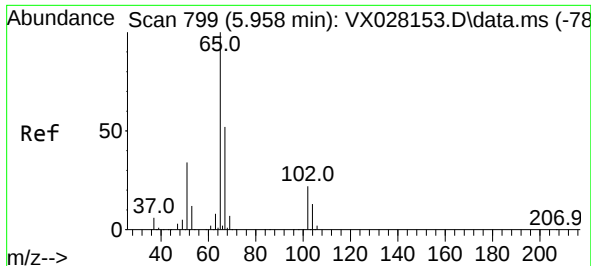
Ion Ratio Lower Upper

56 100

69 169.1 26.7 40.1#

84 149.7 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 49.250 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028355.D

Acq: 26 Apr 2022 17:22

Instrument :

MSVOA_X

ClientSampleId :

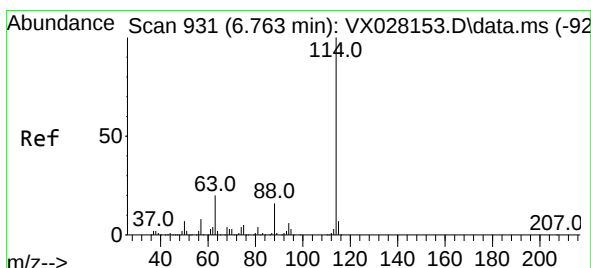
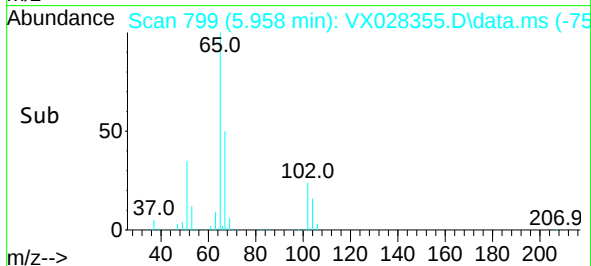
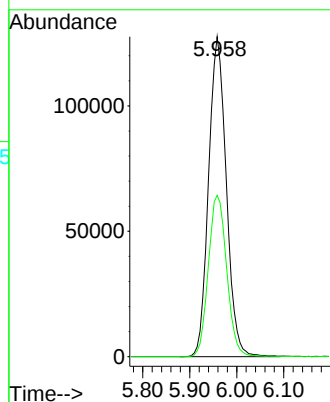
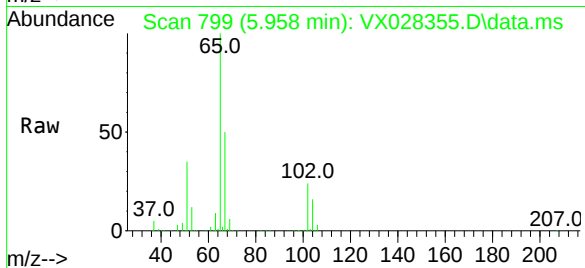
PB144365TB

Tgt Ion: 65 Resp: 333420

Ion Ratio Lower Upper

65 100

67 52.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028355.D

Acq: 26 Apr 2022 17:22

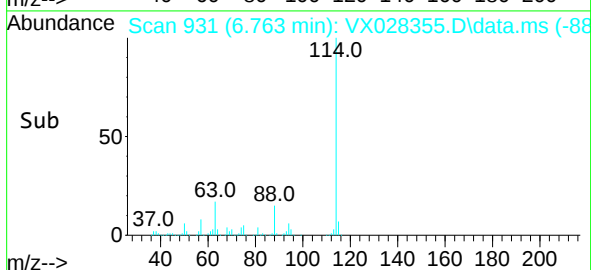
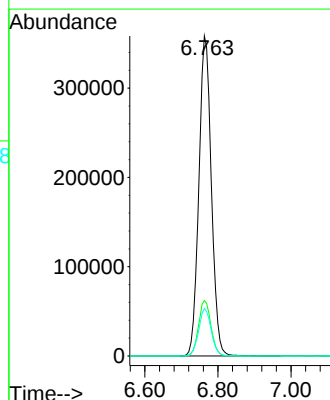
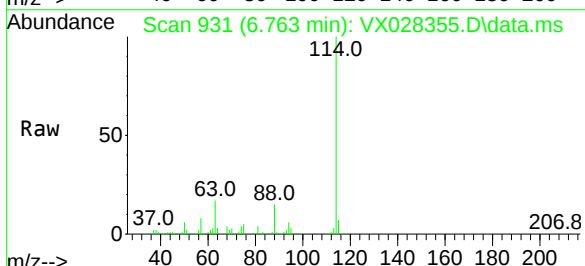
Tgt Ion: 114 Resp: 851602

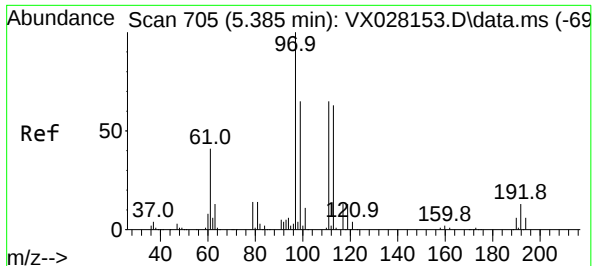
Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.8

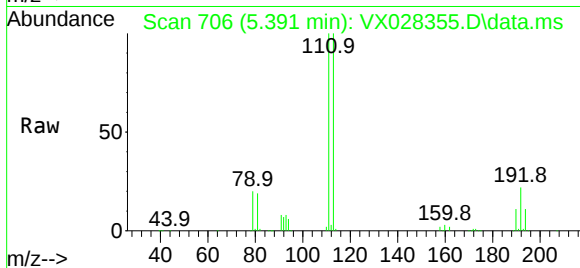
88 14.8 0.0 32.4



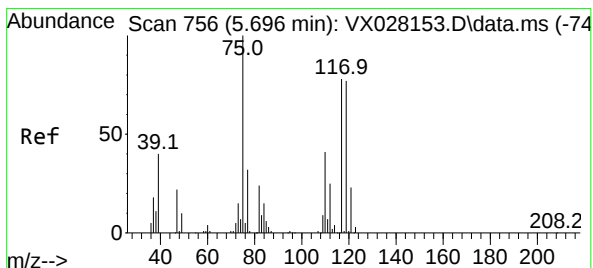
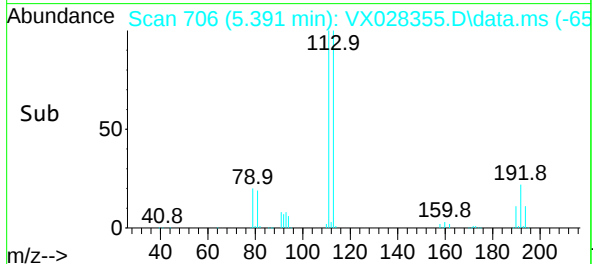
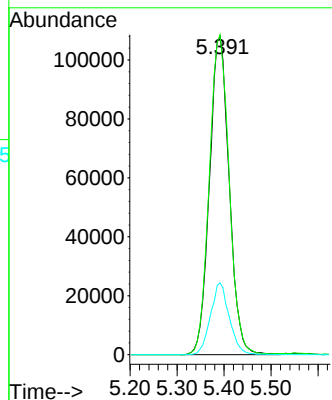


#35
Dibromofluoromethane
Concen: 52.598 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

Instrument :
MSVOA_X
ClientSampleId :
PB144365TB

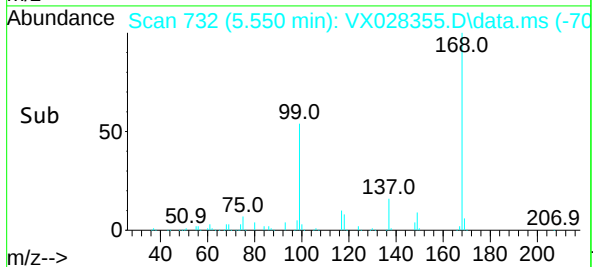
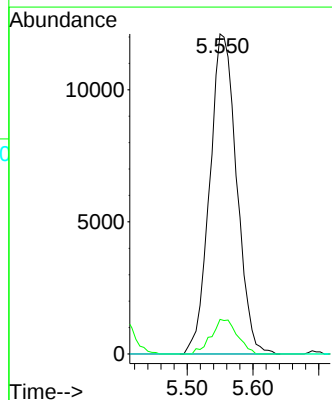
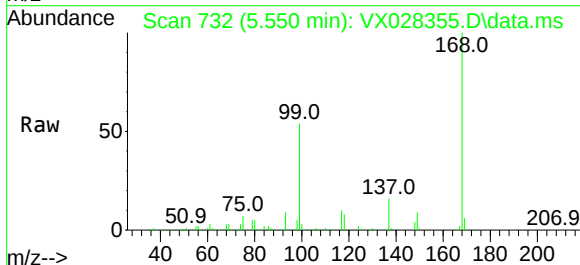


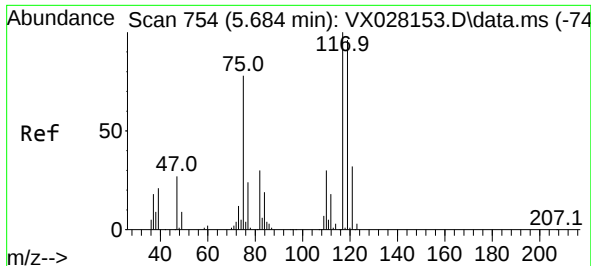
Tgt Ion:113 Resp: 314125
Ion Ratio Lower Upper
113 100
111 101.6 82.8 124.2
192 21.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.432 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

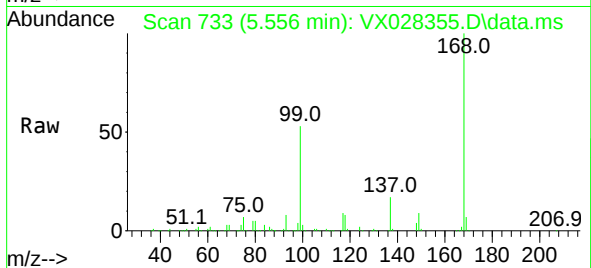
Tgt Ion: 75 Resp: 34524
Ion Ratio Lower Upper
75 100
110 10.5 18.3 54.8#
77 0.0 24.8 37.2#



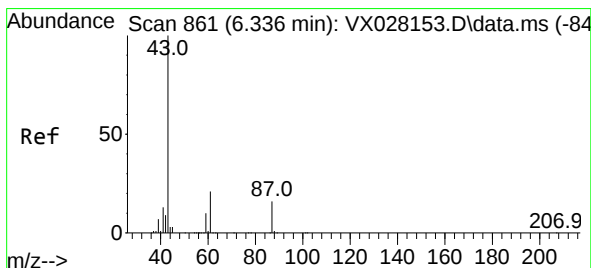
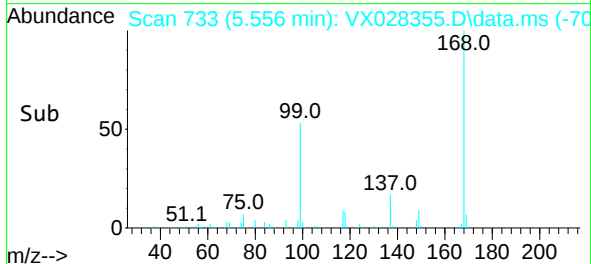
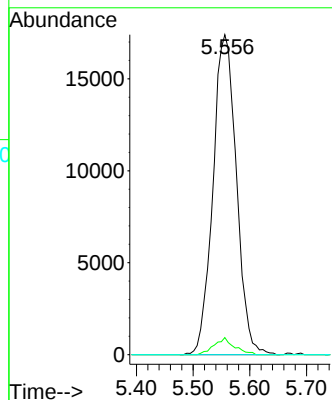


#38
Carbon Tetrachloride
Concen: 5.678 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

Instrument :
MSVOA_X
ClientSampleId :
PB144365TB

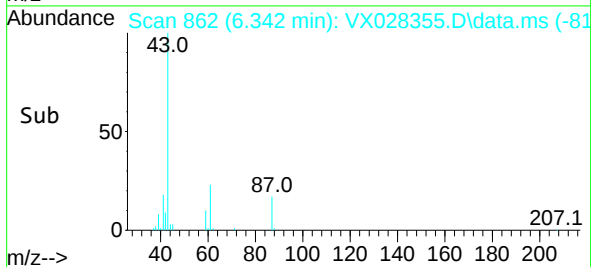
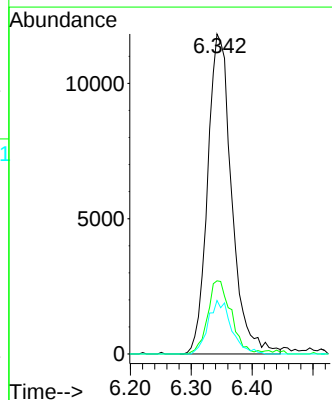
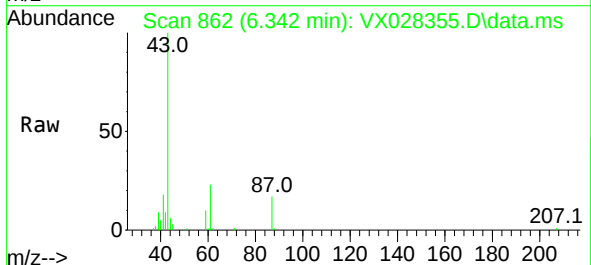


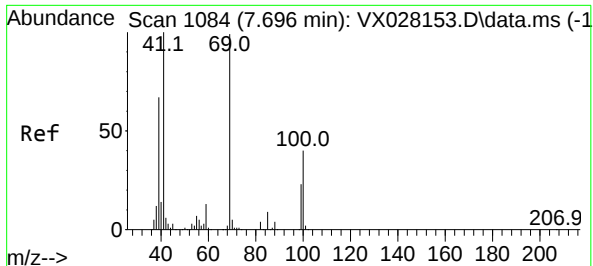
Tgt Ion:117 Resp: 49933
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.524 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

Tgt Ion: 43 Resp: 32467
Ion Ratio Lower Upper
43 100
61 22.2 18.5 27.7
87 16.1 13.0 19.6





#48

Methyl methacrylate

Concen: 1.461 ug/l

RT: 7.604 min Scan# 1100

Delta R.T. -0.092 min

Lab File: VX028355.D

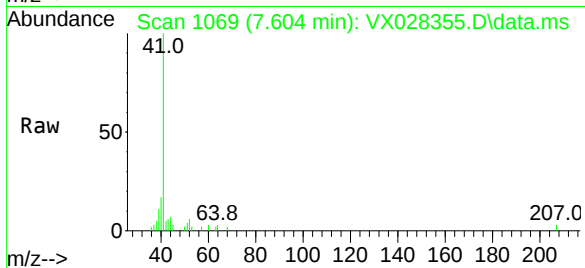
Acq: 26 Apr 2022 17:22

Instrument :

MSVOA_X

ClientSampleId :

PB144365TB



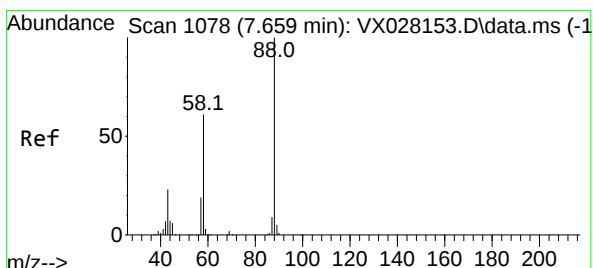
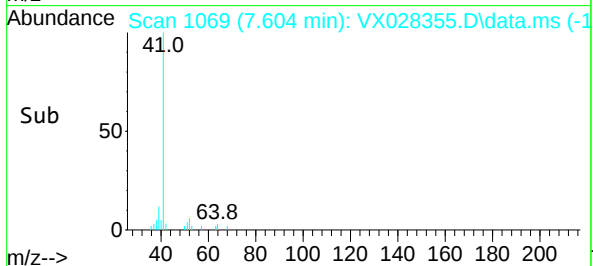
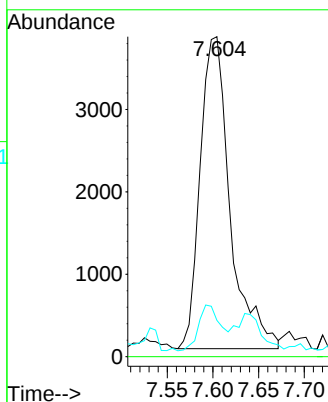
Tgt Ion: 41 Resp: 8631

Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 0.0 43.8 65.8#



#49

1,4-Dioxane

Concen: 2.437 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX028355.D

Acq: 26 Apr 2022 17:22

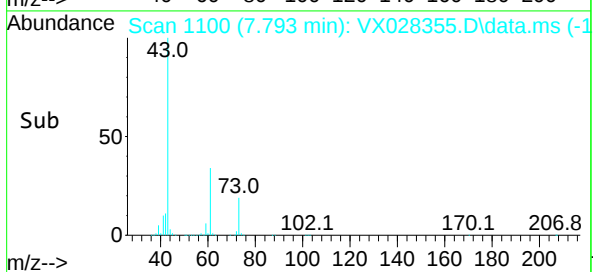
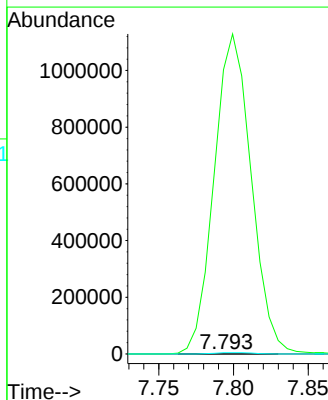
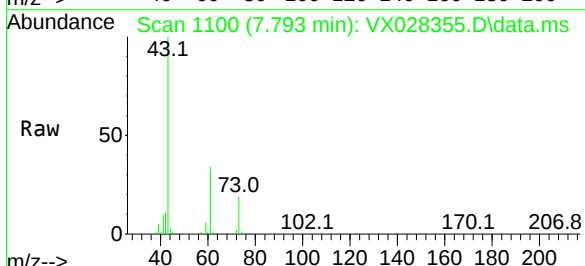
Tgt Ion: 88 Resp: 385

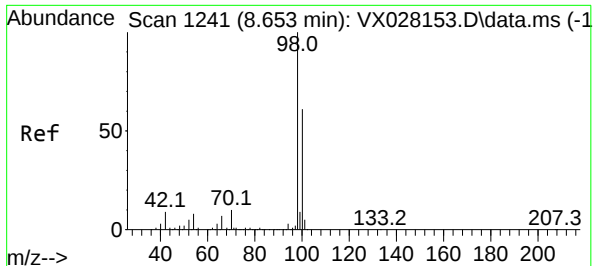
Ion Ratio Lower Upper

88 100

43 508943.4 21.9 32.9#

58 2277.4 53.7 80.5#

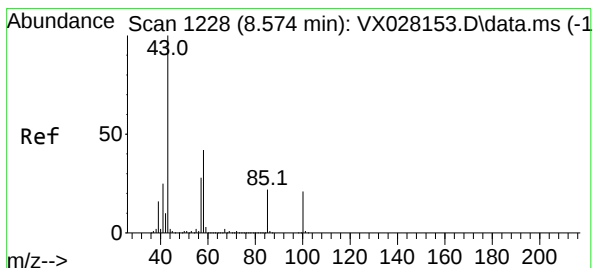
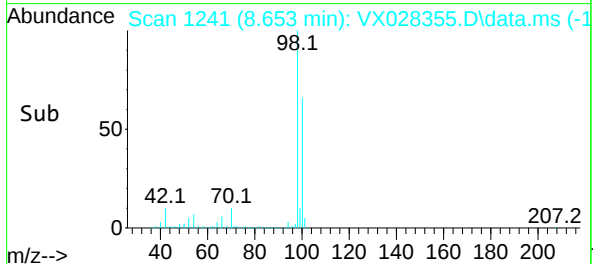
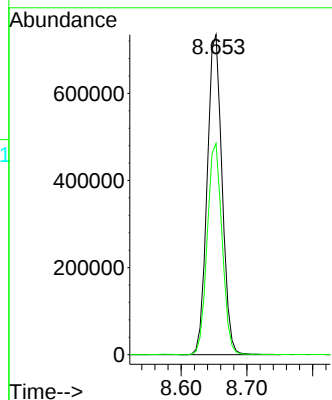
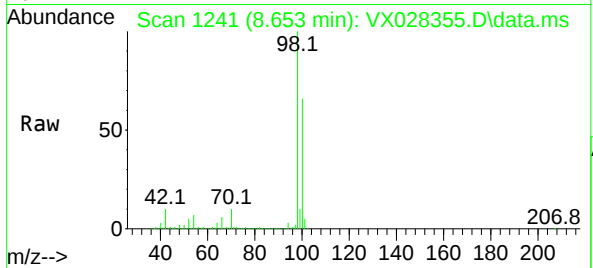




#50
Toluene-d8
Concen: 50.379 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

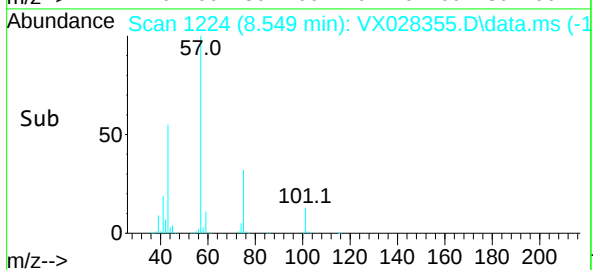
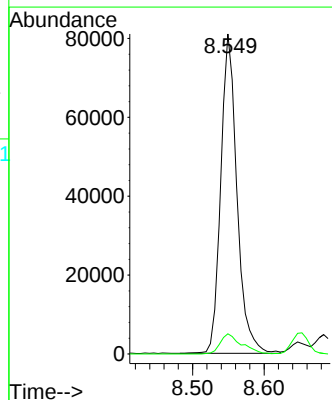
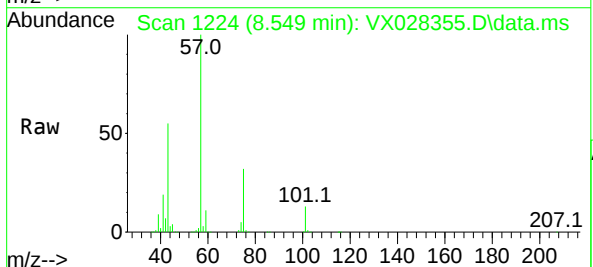
Instrument :
MSVOA_X
ClientSampleId :
PB144365TB

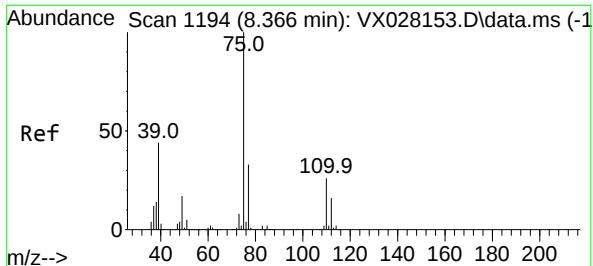
Tgt Ion: 98 Resp: 1155590
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.465 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

Tgt Ion: 43 Resp: 127671
Ion Ratio Lower Upper
43 100
58 8.3 36.1 54.1#

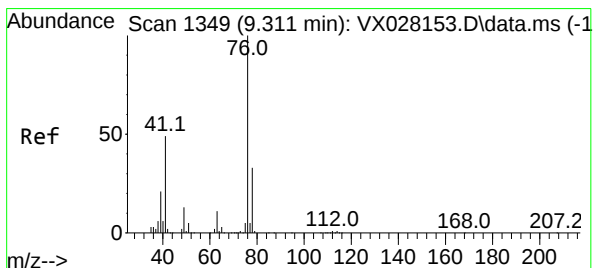
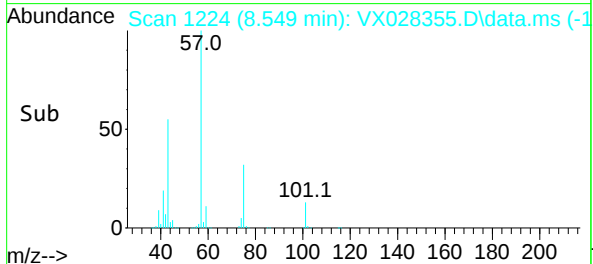
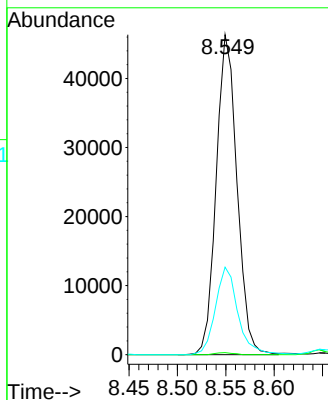
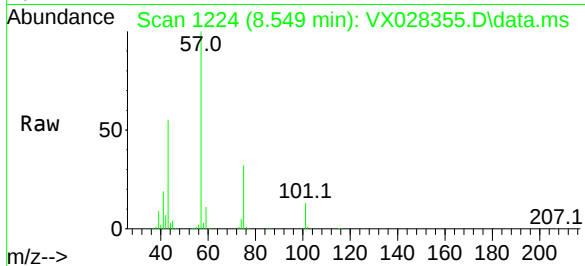




#54
cis-1,3-Dichloropropene
Concen: 7.189 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

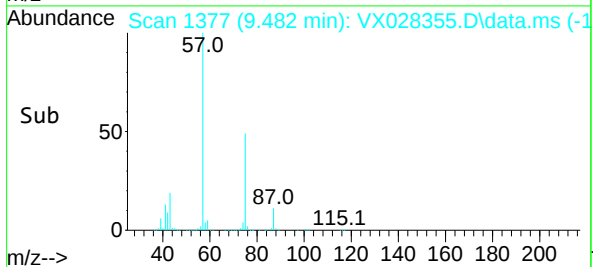
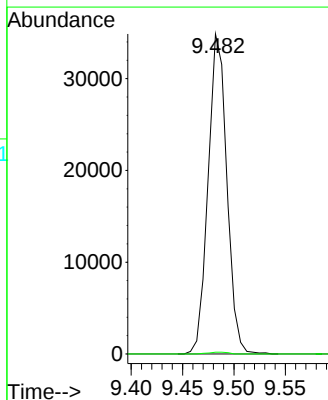
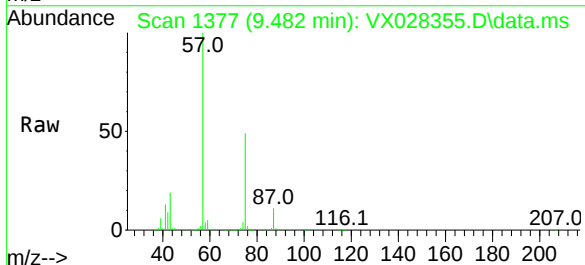
Instrument :
MSVOA_X
ClientSampleId :
PB144365TB

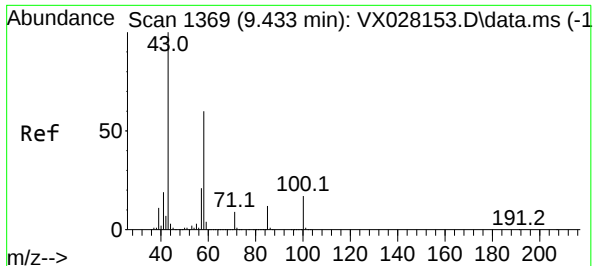
Tgt Ion: 75 Resp: 69040
Ion Ratio Lower Upper
75 100
77 0.6 24.8 37.2#
39 27.4 29.6 44.4#



#57
1,3-Dichloropropane
Concen: 4.253 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

Tgt Ion: 76 Resp: 44191
Ion Ratio Lower Upper
76 100
78 0.6 25.8 38.8#





#59

2-Hexanone

Concen: 75.932 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028355.D

Acq: 26 Apr 2022 17:22

Instrument :

MSVOA_X

ClientSampleId :

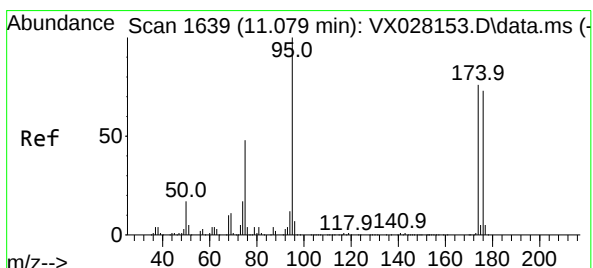
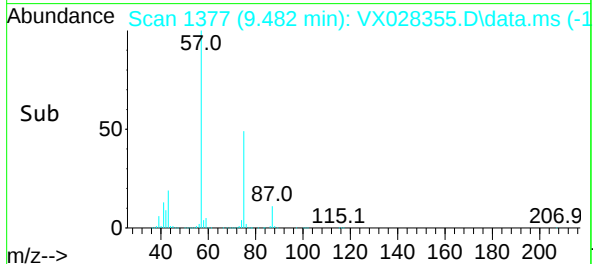
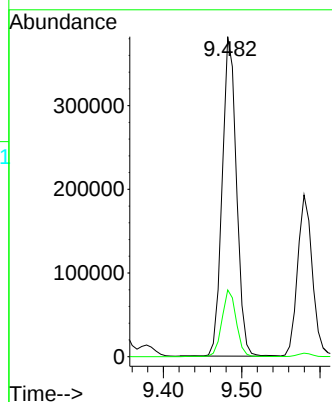
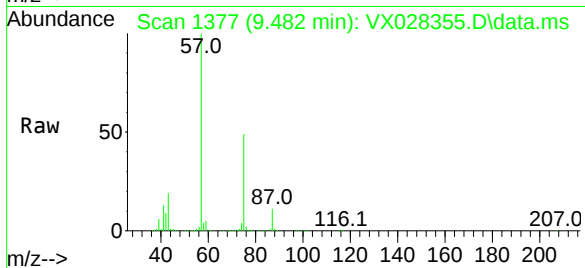
PB144365TB

Tgt Ion: 43 Resp: 485574

Ion Ratio Lower Upper

43 100

58 21.0 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 48.705 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028355.D

Acq: 26 Apr 2022 17:22

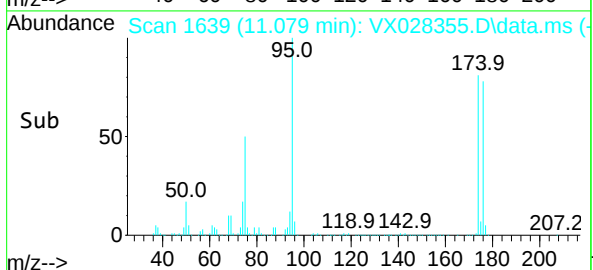
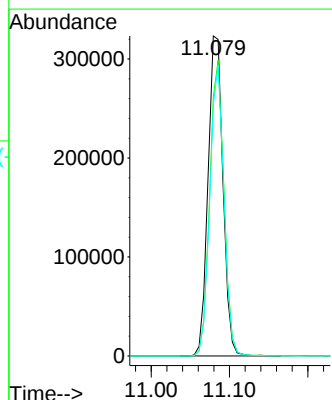
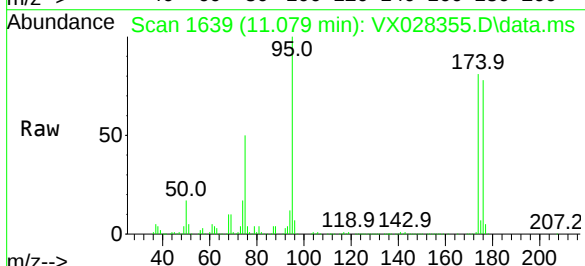
Tgt Ion: 95 Resp: 427169

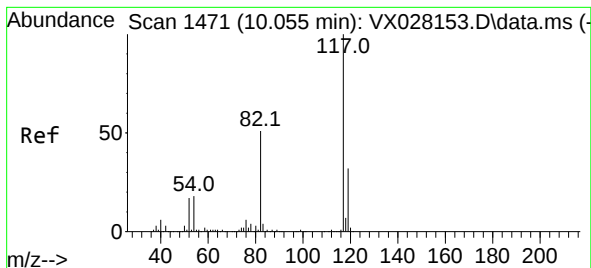
Ion Ratio Lower Upper

95 100

174 88.4 0.0 163.0

176 85.7 0.0 155.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX028355.D

Acq: 26 Apr 2022 17:22

Instrument :

MSVOA_X

ClientSampleId :

PB144365TB

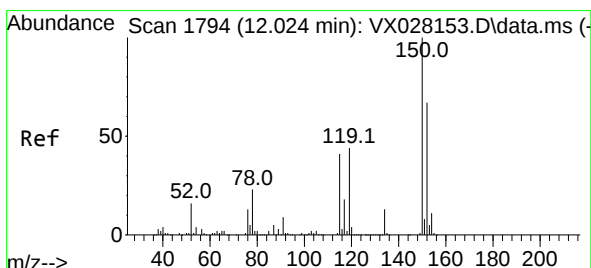
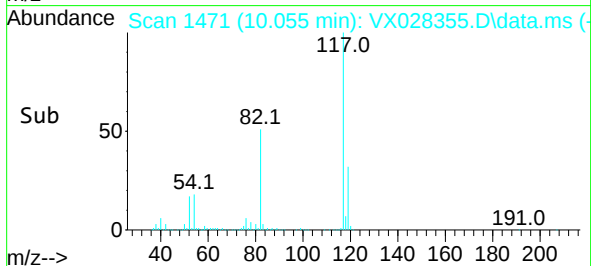
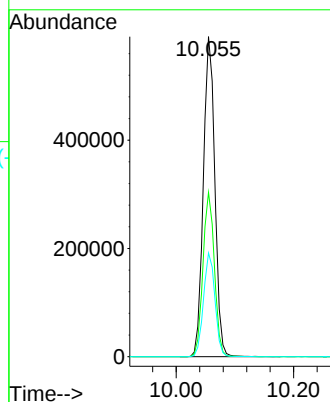
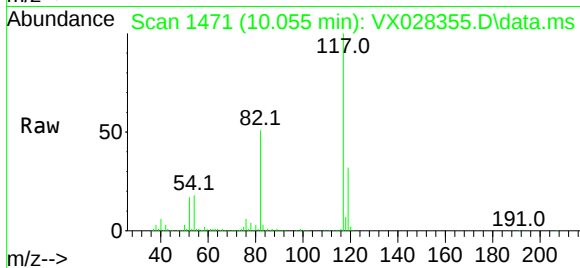
Tgt Ion:117 Resp: 804284

Ion Ratio Lower Upper

117 100

82 51.4 41.8 62.8

119 32.4 24.8 37.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX028355.D

Acq: 26 Apr 2022 17:22

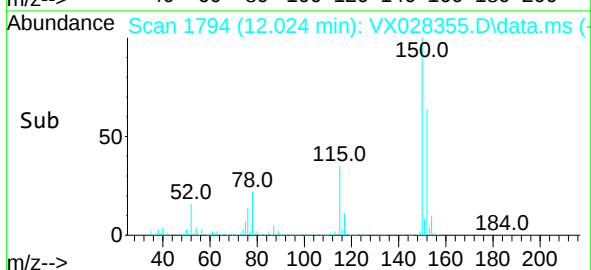
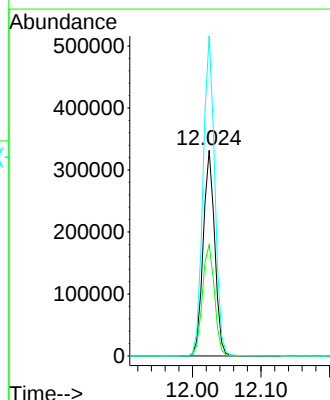
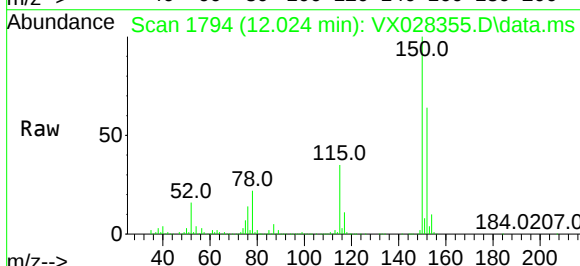
Tgt Ion:152 Resp: 390848

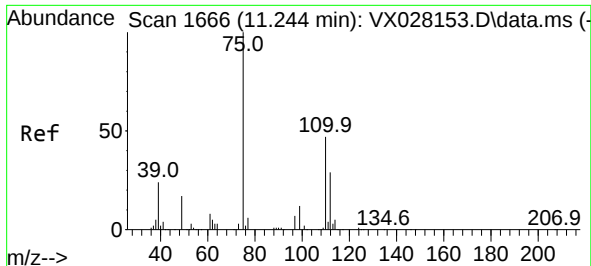
Ion Ratio Lower Upper

152 100

115 56.4 37.5 112.7

150 157.0 0.0 338.2

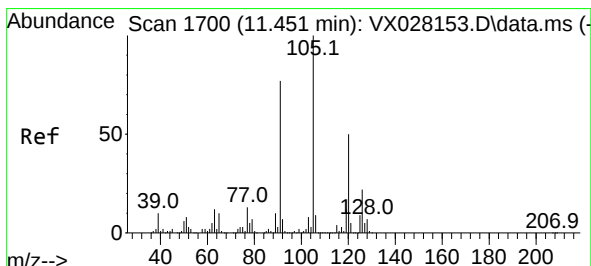
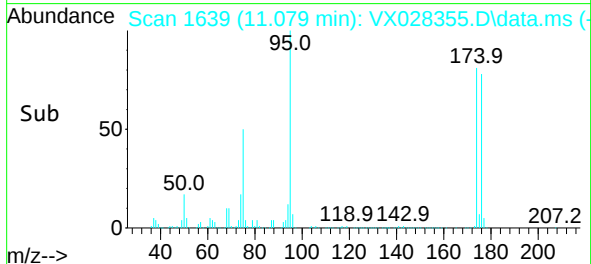
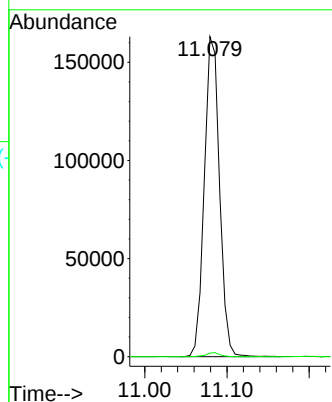
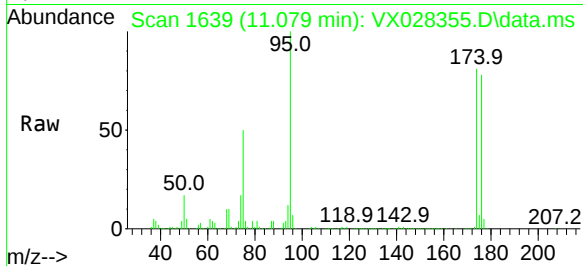




#76
 1,2,3-Trichloropropane
 Concen: 27.222 ug/l
 RT: 11.079 min Scan# 110
 Delta R.T. -0.165 min
 Lab File: VX028355.D
 Acq: 26 Apr 2022 17:22

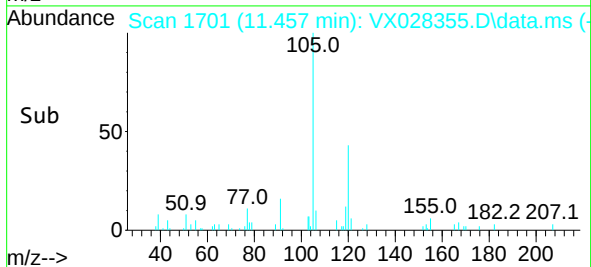
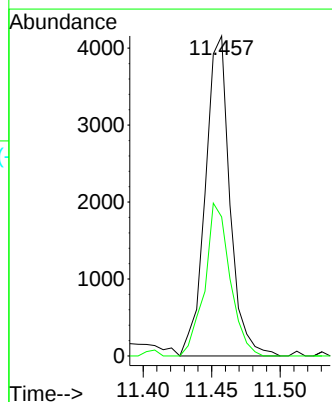
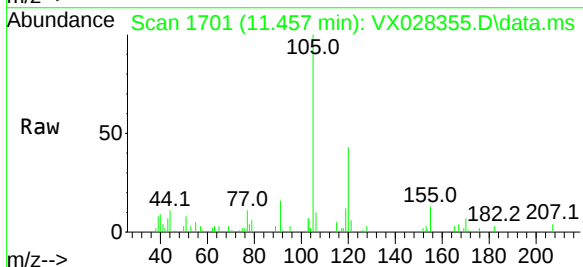
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144365TB

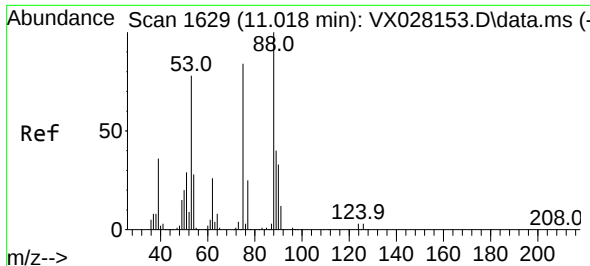
Tgt Ion: 75 Resp: 209395
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.228 ug/l
 RT: 11.457 min Scan# 1701
 Delta R.T. 0.006 min
 Lab File: VX028355.D
 Acq: 26 Apr 2022 17:22

Tgt Ion: 105 Resp: 5192
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.3 72.9

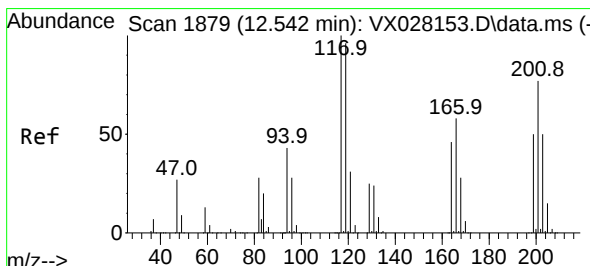
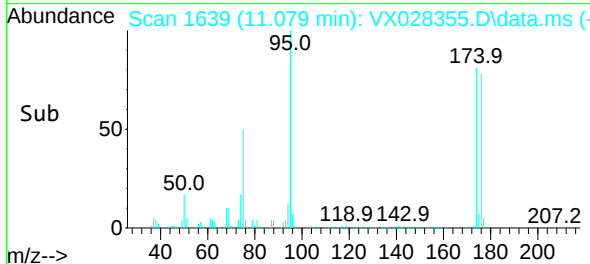
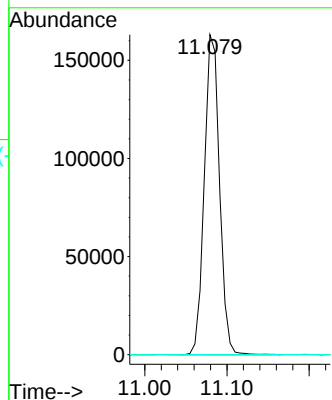
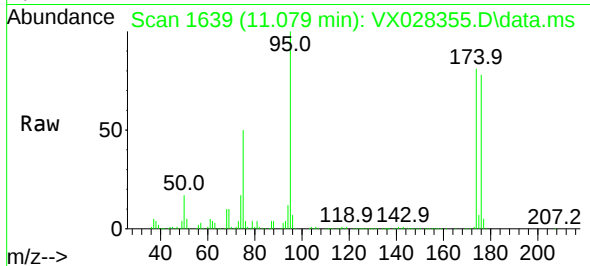




#81
trans-1,4-Dichloro-2-butene
Concen: 80.896 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

Instrument :
MSVOA_X
ClientSampleId :
PB144365TB

Tgt Ion: 75 Resp: 209395
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 1.818 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.024 min
Lab File: VX028355.D
Acq: 26 Apr 2022 17:22

Tgt Ion: 117 Resp: 21
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

