

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042722\
 Data File : VX028375.D
 Acq On : 27 Apr 2022 14:00
 Operator : JC/MD
 Sample : PB144400TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144400TB

Quant Time: Apr 28 04:22:02 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)

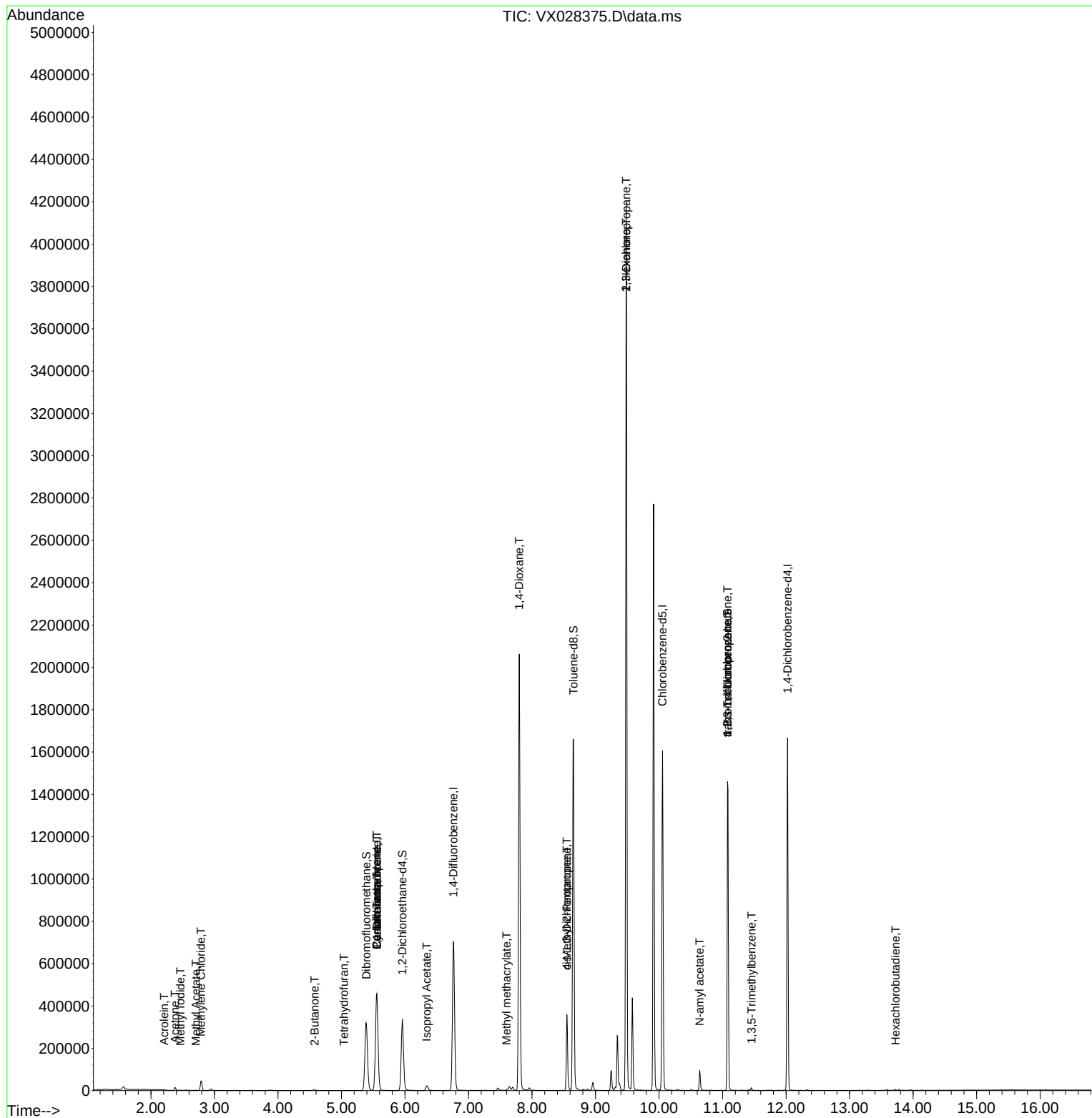
Internal Standards						
1) Pentafluorobenzene	5.556	168	457753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	761982	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	747138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	359767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	307462	51.514	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.020%			
35) Dibromofluoromethane	5.391	113	279331	52.273	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.540%			
50) Toluene-d8	8.653	98	1045885	50.959	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.920%			
62) 4-Bromofluorobenzene	11.079	95	387539	49.383	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.760%			
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	460	Below Cal		91
5) Bromomethane	1.611	94	1301	Below Cal		93
6) Chloroethane	1.691	64	283	Below Cal	#	55
8) Diethyl Ether	2.117	74	53	Below Cal	#	1
10) Methyl Iodide	2.465	142	1518	5.503	ug/l	96
11) Tert butyl alcohol	2.947	59	4437	Below Cal	#	72
13) Acrolein	2.209	56	198	0.271	ug/l	# 65
16) Acetone	2.380	43	15412	7.098	ug/l	99
18) Methyl Acetate	2.709	43	2205	0.416	ug/l	# 83
20) Methylene Chloride	2.788	84	21852	4.934	ug/l	96
25) 2-Butanone	4.574	43	2604	0.737	ug/l	96
29) Tetrahydrofuran	5.038	42	569	0.247	ug/l	# 76
31) Cyclohexane	5.556	56	8592	1.182	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	32146	4.612	ug/l	# 49
38) Carbon Tetrachloride	5.556	117	43685	5.552	ug/l	# 16
43) Isopropyl Acetate	6.342	43	30366	2.638	ug/l	98
48) Methyl methacrylate	7.598	41	7646	1.447	ug/l	# 7
49) 1,4-Dioxane	7.799	88	401	2.836	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	112331	15.207	ug/l	# 44
54) cis-1,3-Dichloropropene	8.549	75	60455	7.035	ug/l	# 69
57) 1,3-Dichloropropane	9.482	76	39771	4.278	ug/l	# 43
59) 2-Hexanone	9.482	43	441949	77.239	ug/l	# 45
74) N-amyl acetate	10.640	43	20577	2.408	ug/l	# 46
76) 1,2,3-Trichloropropane	11.079	75	190845	26.954	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.457	105	5418	0.258	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	190845	80.100	ug/l	# 15
94) Hexachlorobutadiene	13.725	225	691	0.217	ug/l	91

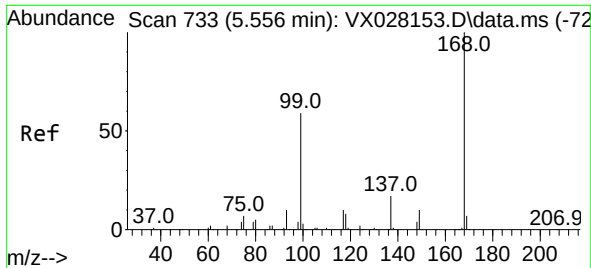
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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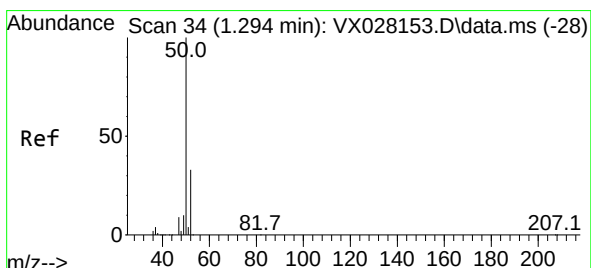
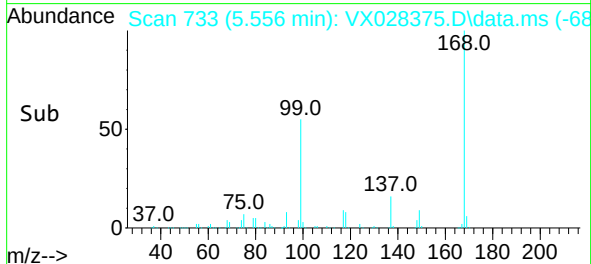
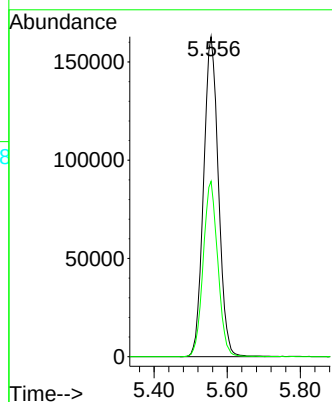
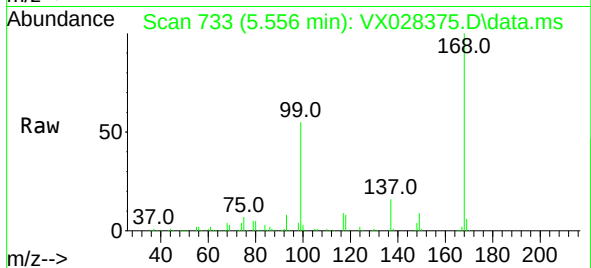




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

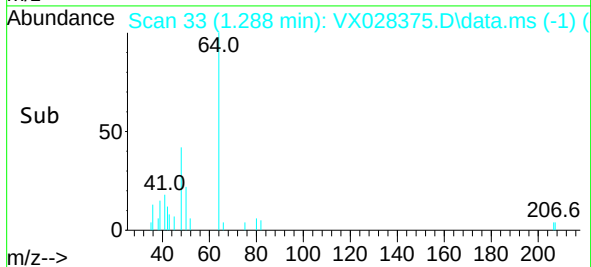
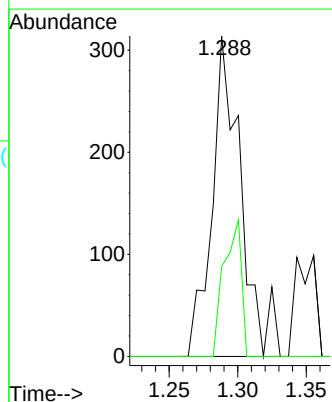
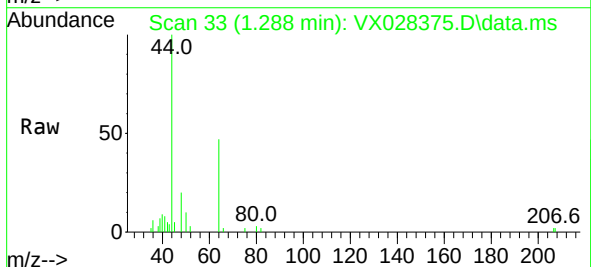
Instrument :
MSVOA_X
ClientSampleId :
PB144400TB

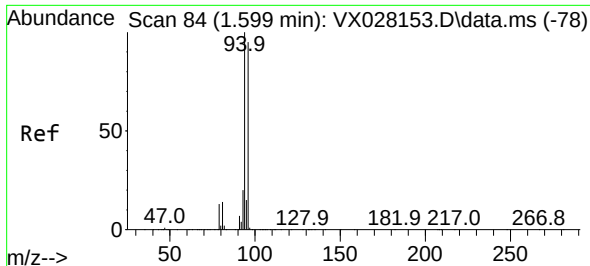
Tgt Ion:168 Resp: 457753
Ion Ratio Lower Upper
168 100
99 54.8 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

Tgt Ion: 50 Resp: 460
Ion Ratio Lower Upper
50 100
52 28.0 26.4 39.6

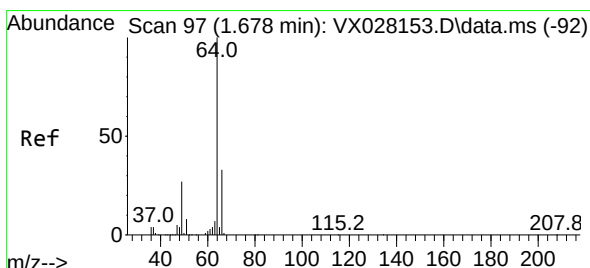
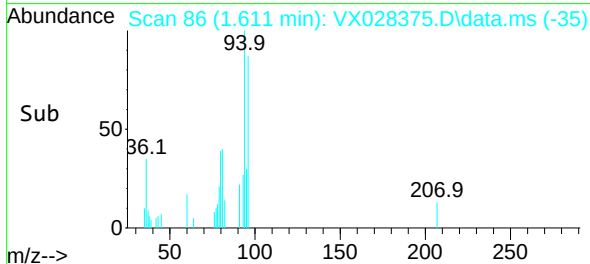
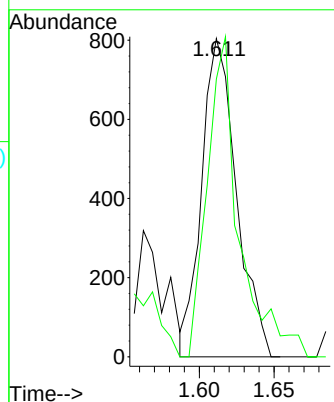
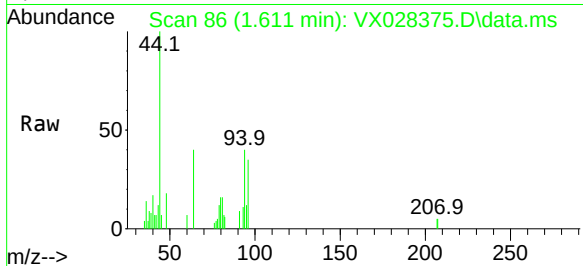




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

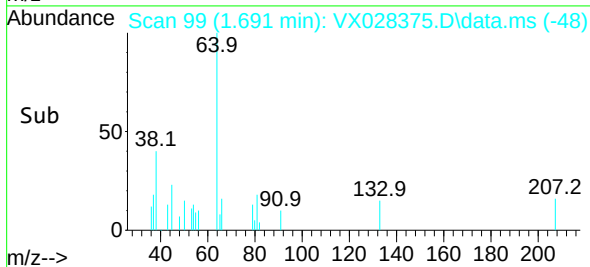
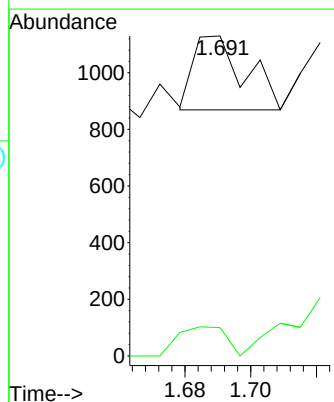
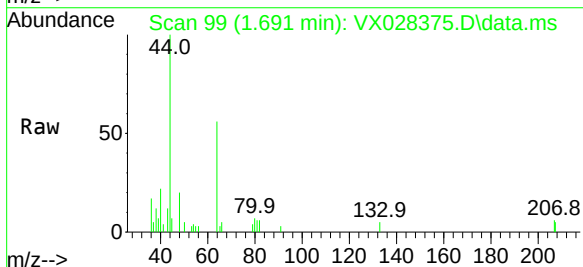
Instrument :
MSVOA_X
ClientSampleId :
PB144400TB

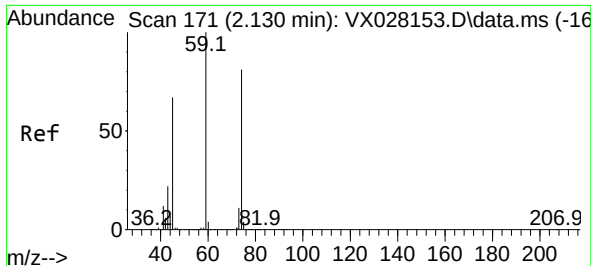
Tgt Ion: 94 Resp: 1301
Ion Ratio Lower Upper
94 100
96 87.3 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

Tgt Ion: 64 Resp: 283
Ion Ratio Lower Upper
64 100
66 6.5 25.3 37.9#

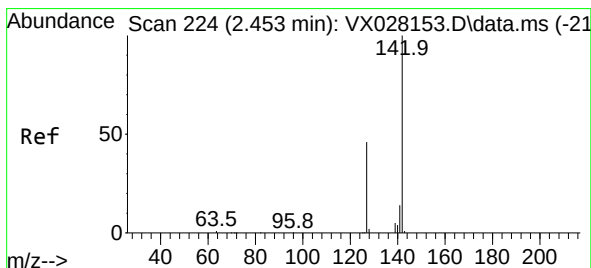
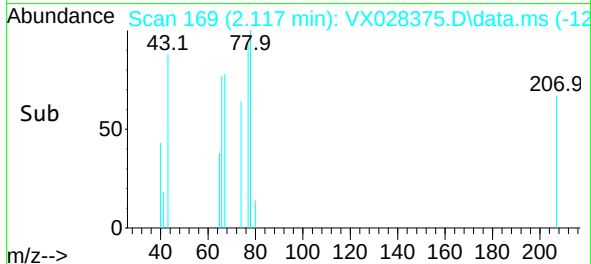
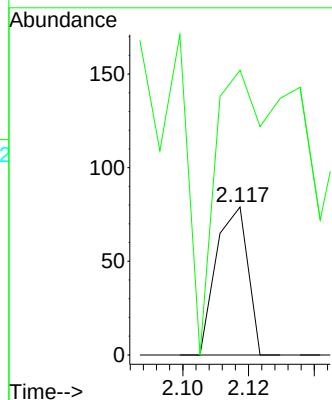
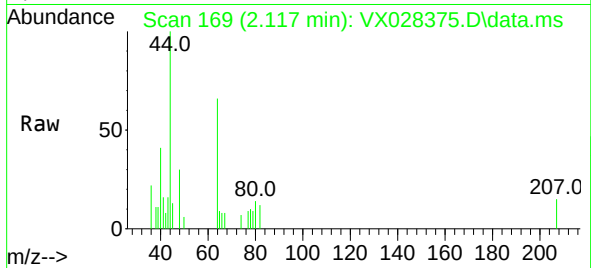




#8
Diethyl Ether
Concen: Below Cal
RT: 2.117 min Scan# 1
Delta R.T. -0.013 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

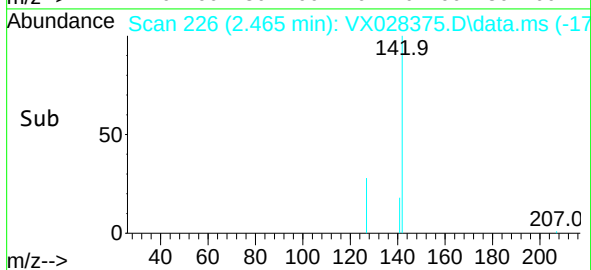
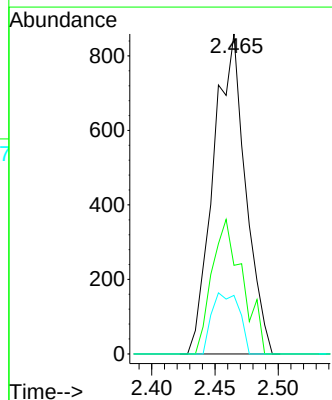
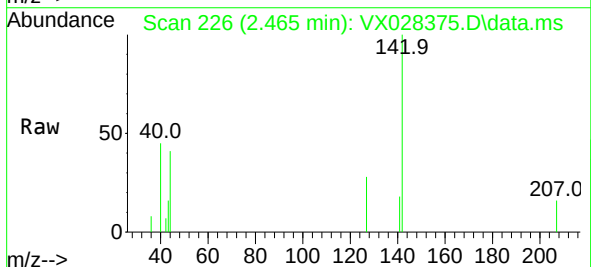
Instrument :
MSVOA_X
ClientSampleId :
PB144400TB

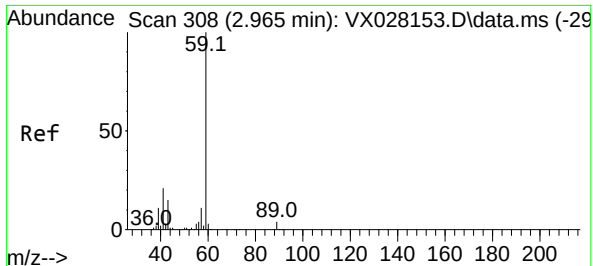
Tgt Ion: 74 Resp: 53
Ion Ratio Lower Upper
74 100
45 526.4 42.0 126.0#



#10
Methyl Iodide
Concen: 5.503 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

Tgt Ion:142 Resp: 1518
Ion Ratio Lower Upper
142 100
127 39.9 33.9 50.9
141 16.3 11.4 17.2

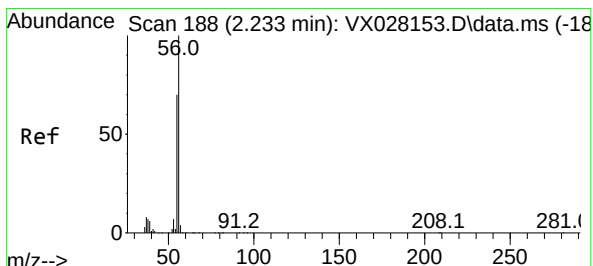
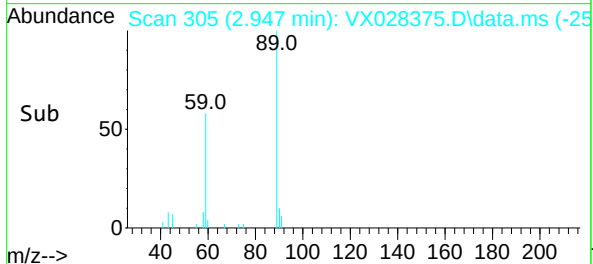
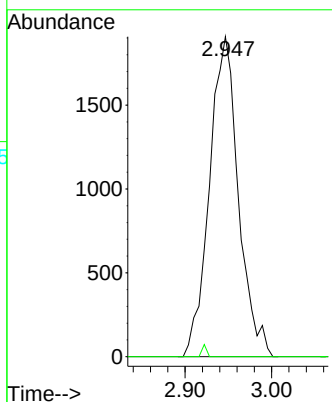
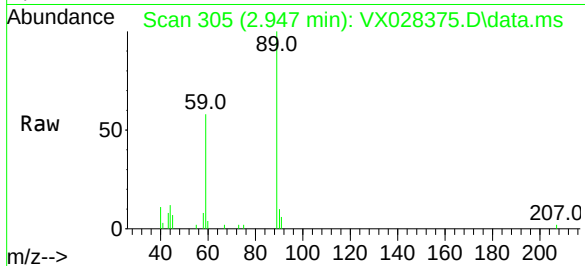




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

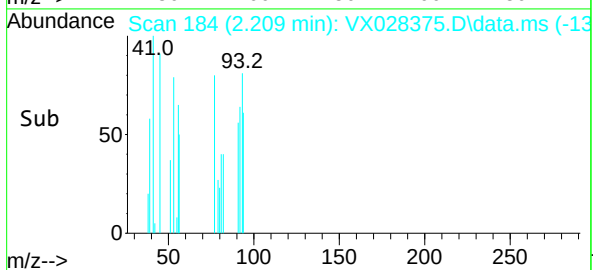
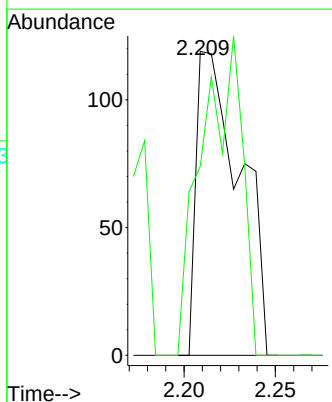
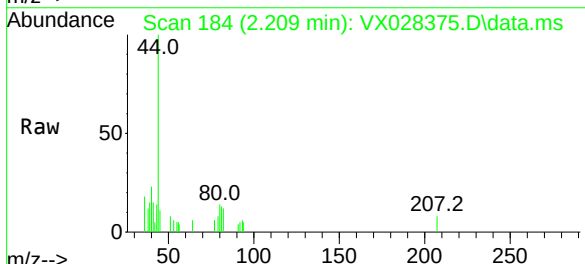
Instrument :
MSVOA_X
ClientSampleId :
PB144400TB

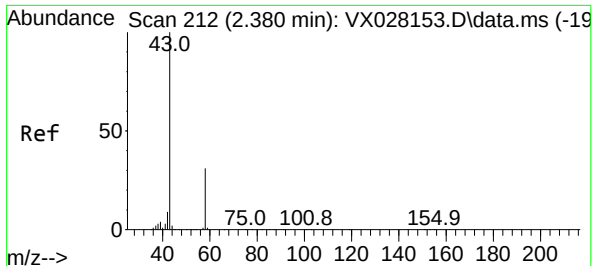
Tgt Ion: 59 Resp: 4437
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.271 ug/l
RT: 2.209 min Scan# 184
Delta R.T. -0.024 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

Tgt Ion: 56 Resp: 198
Ion Ratio Lower Upper
56 100
55 97.0 55.0 82.6#

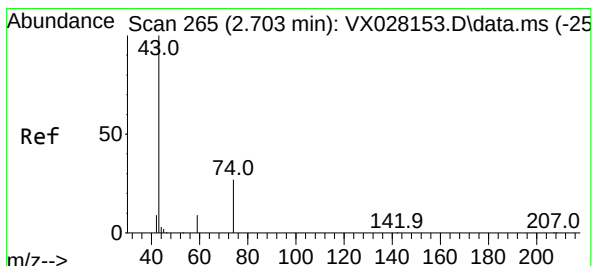
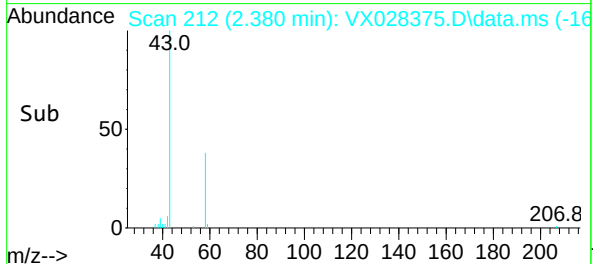
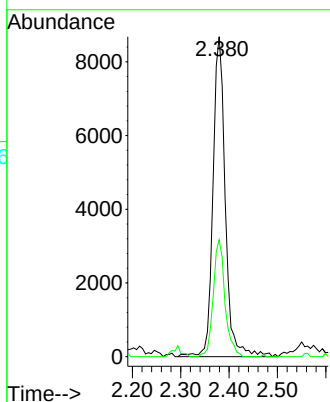
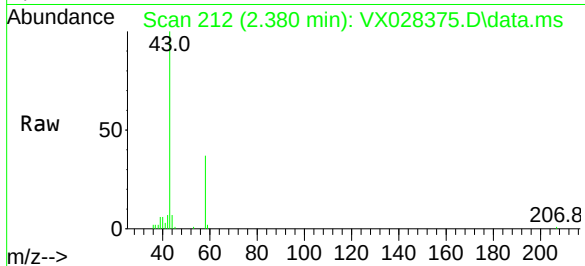




#16
Acetone
Concen: 7.098 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

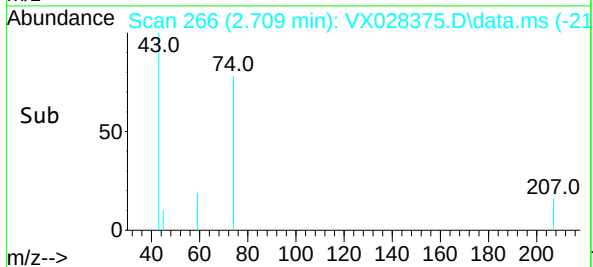
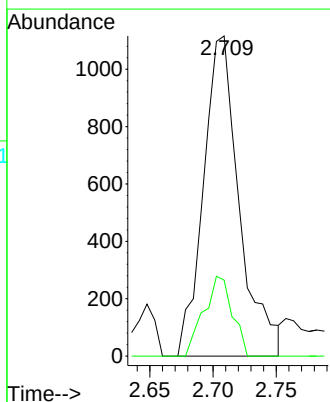
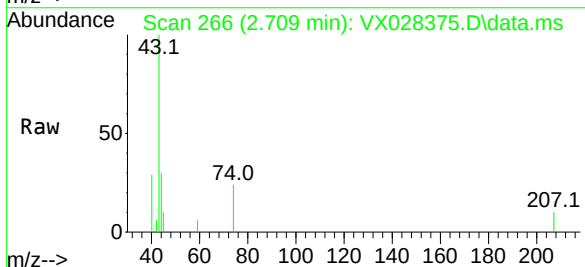
Instrument :
MSVOA_X
ClientSampleId :
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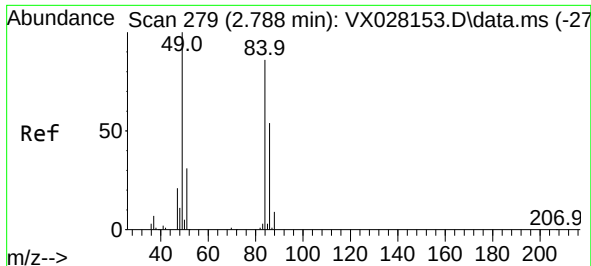
Tgt Ion: 43 Resp: 15412
Ion Ratio Lower Upper
43 100
58 36.5 28.8 43.2



#18
Methyl Acetate
Concen: 0.416 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

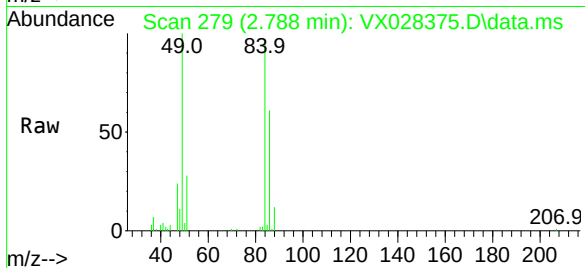
Tgt Ion: 43 Resp: 2205
Ion Ratio Lower Upper
43 100
74 19.7 22.8 34.2#



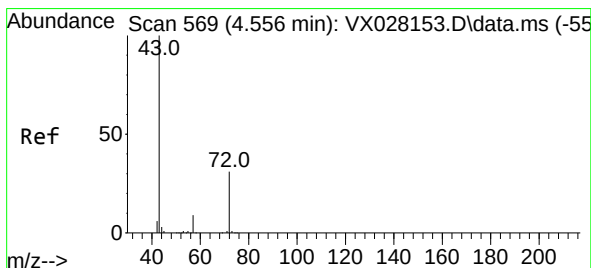
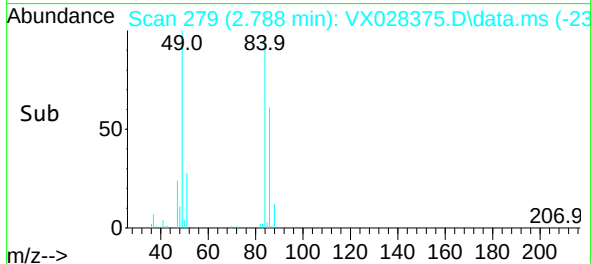
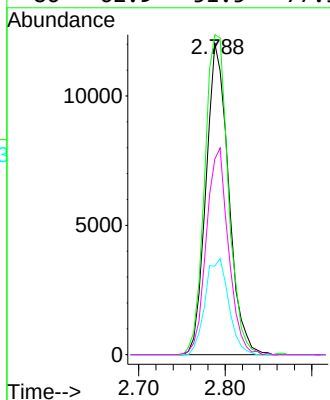


#20
Methylene Chloride
Concen: 4.934 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

Instrument :
MSVOA_X
ClientSampleId :
PB144400TB

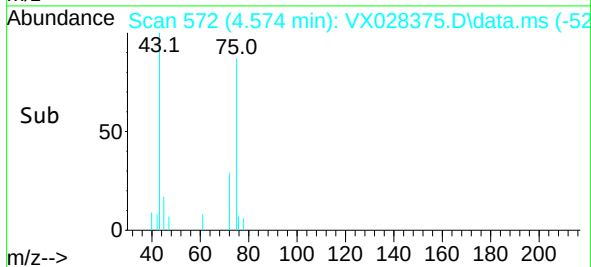
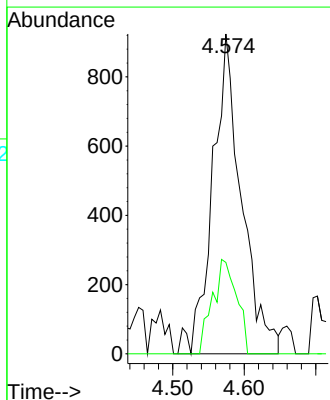
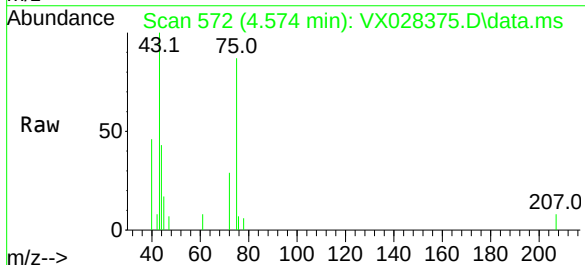


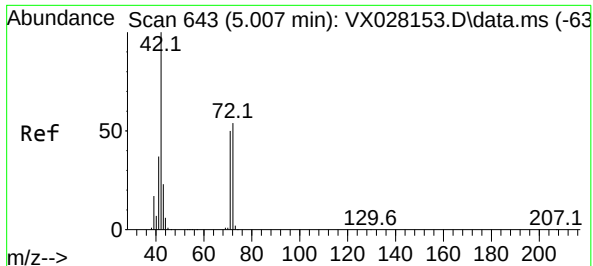
Tgt Ion:	84	Resp:	21852
Ion	Ratio	Lower	Upper
84	100		
49	102.8	85.5	128.3
51	28.4	26.6	39.8
86	62.9	51.5	77.3



#25
2-Butanone
Concen: 0.737 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

Tgt Ion:	43	Resp:	2604
Ion	Ratio	Lower	Upper
43	100		
72	28.6	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.247 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX028375.D

Acq: 27 Apr 2022 14:00

Instrument :

MSVOA_X

ClientSampleId :

PB144400TB

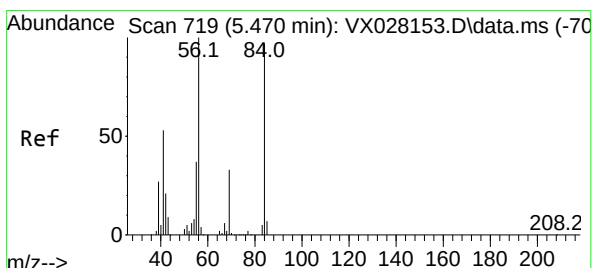
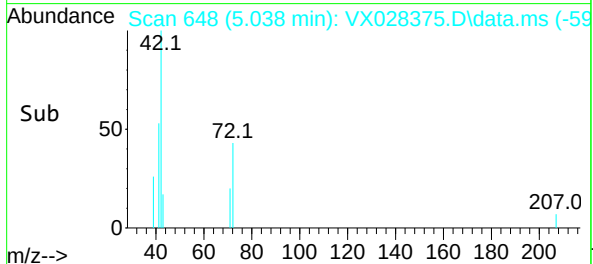
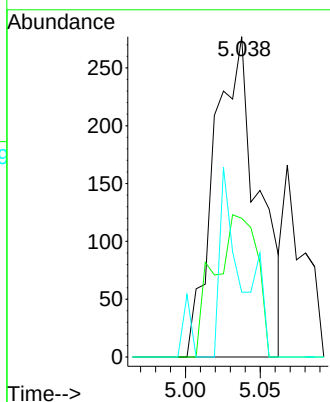
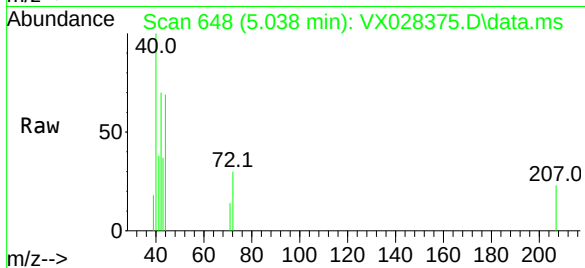
Tgt Ion: 42 Resp: 569

Ion Ratio Lower Upper

42 100

72 42.5 44.1 66.1#

71 29.3 40.5 60.7#



#31

Cyclohexane

Concen: 1.182 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028375.D

Acq: 27 Apr 2022 14:00

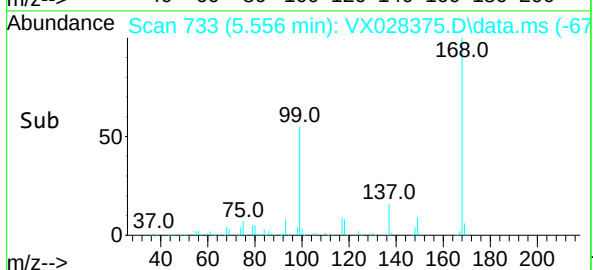
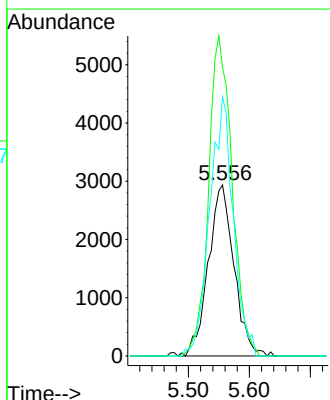
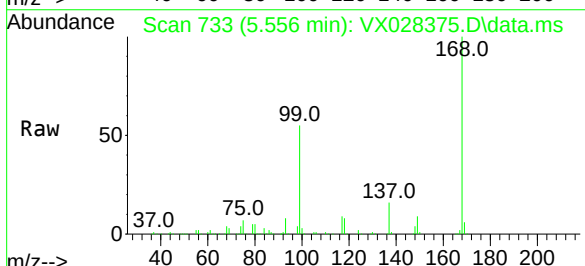
Tgt Ion: 56 Resp: 8592

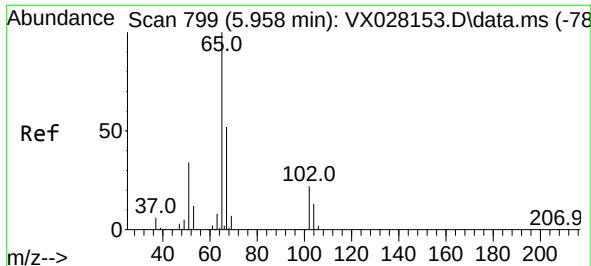
Ion Ratio Lower Upper

56 100

69 168.7 26.7 40.1#

84 154.5 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 51.514 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028375.D

Acq: 27 Apr 2022 14:00

Instrument :

MSVOA_X

ClientSampleId :

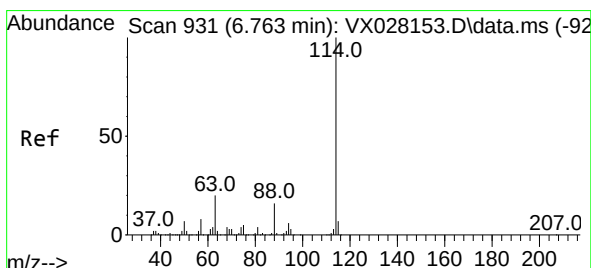
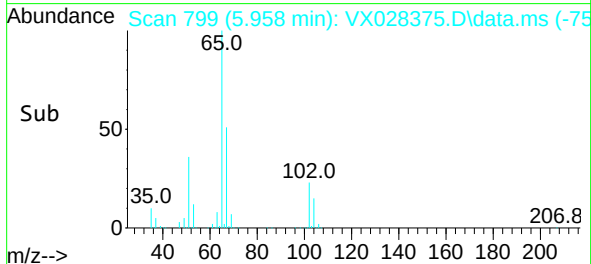
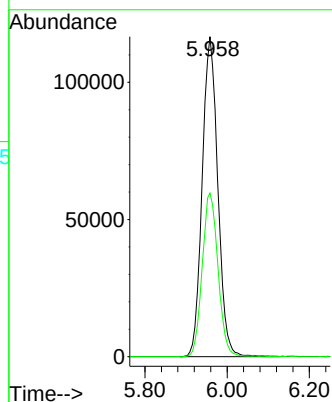
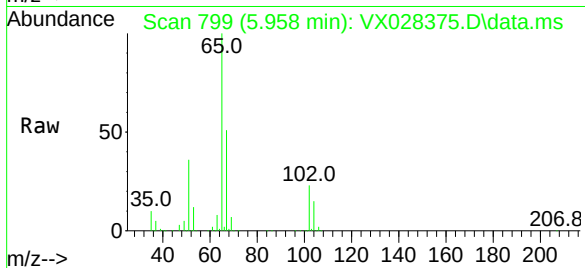
PB144400TB

Tgt Ion: 65 Resp: 307462

Ion Ratio Lower Upper

65 100

67 51.5 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: VX028375.D

Acq: 27 Apr 2022 14:00

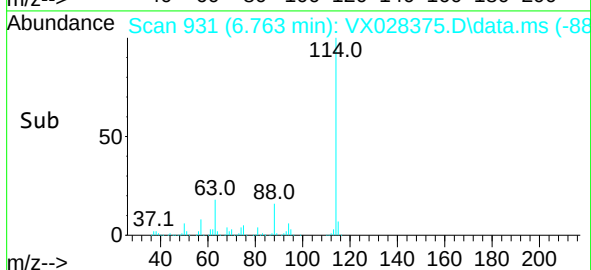
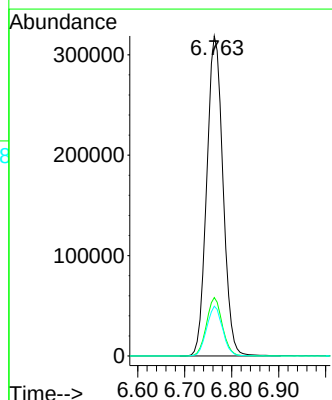
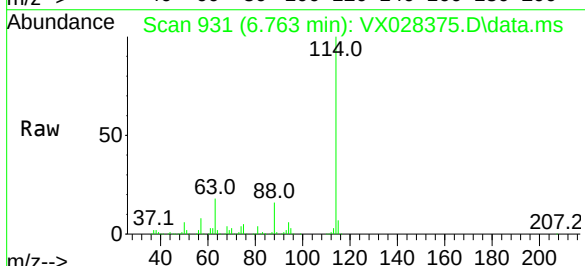
Tgt Ion: 114 Resp: 761982

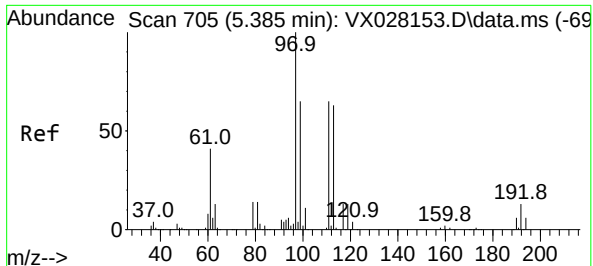
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

88 15.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.273 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028375.D

Acq: 27 Apr 2022 14:00

Instrument :

MSVOA_X

ClientSampleId :

PB144400TB

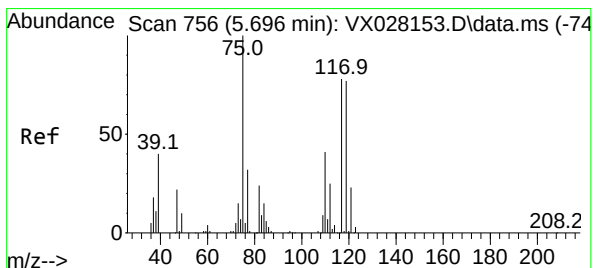
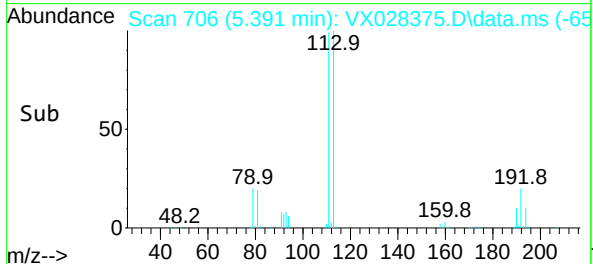
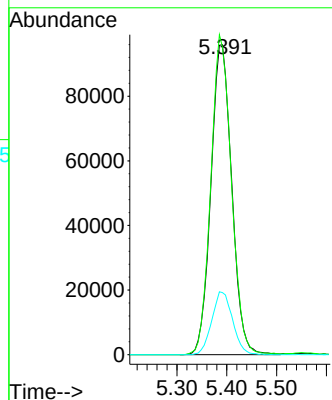
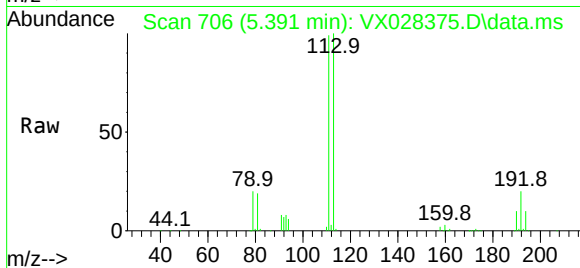
Tgt Ion:113 Resp: 279331

Ion Ratio Lower Upper

113 100

111 101.4 82.8 124.2

192 20.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.612 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028375.D

Acq: 27 Apr 2022 14:00

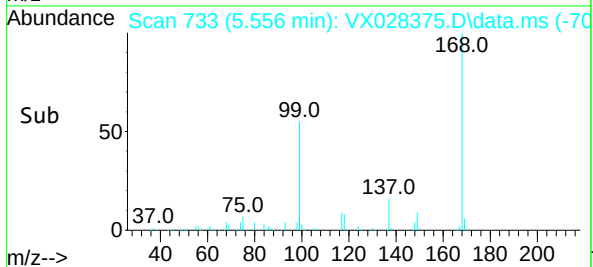
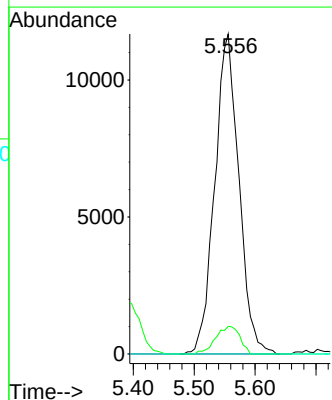
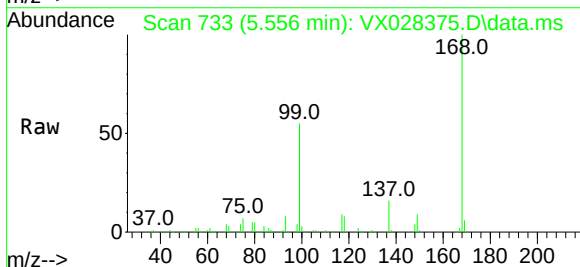
Tgt Ion: 75 Resp: 32146

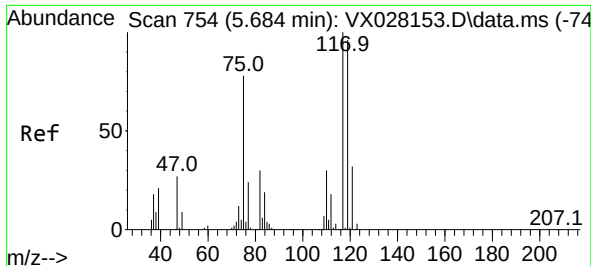
Ion Ratio Lower Upper

75 100

110 8.6 18.3 54.8#

77 0.0 24.8 37.2#

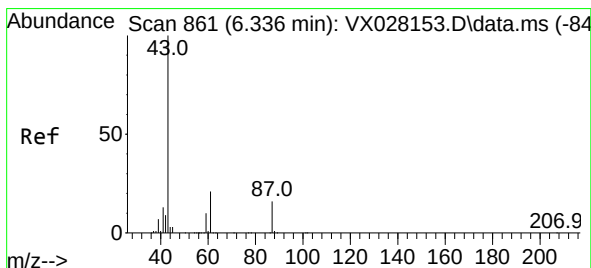
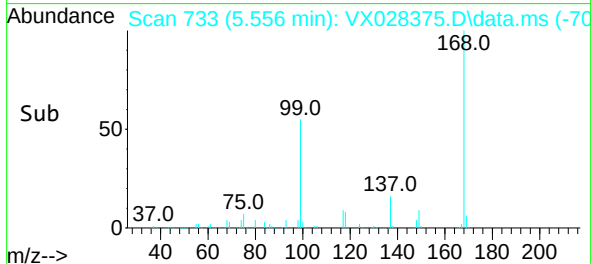
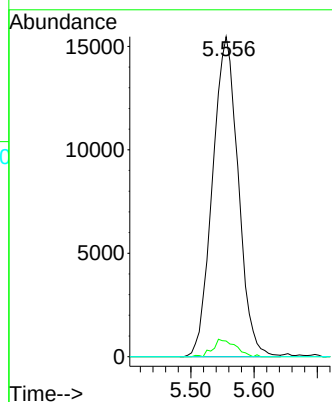
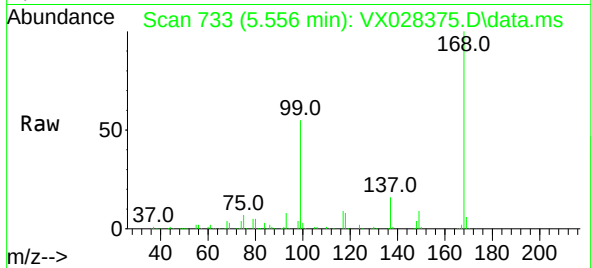




#38
Carbon Tetrachloride
Concen: 5.552 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

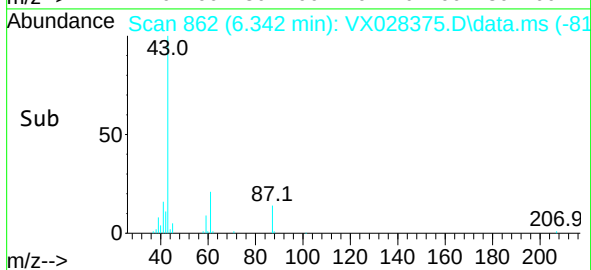
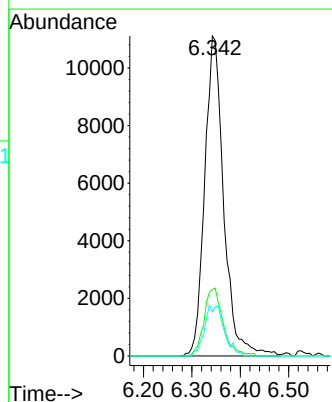
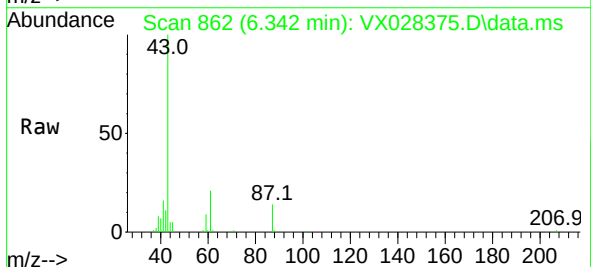
Instrument :
MSVOA_X
ClientSampleId :
PB144400TB

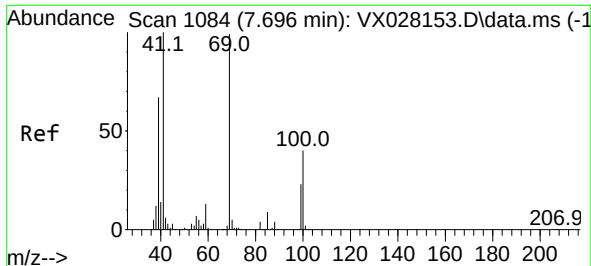
Tgt Ion:117 Resp: 43685
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.638 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

Tgt Ion: 43 Resp: 30366
Ion Ratio Lower Upper
43 100
61 21.3 18.5 27.7
87 16.2 13.0 19.6

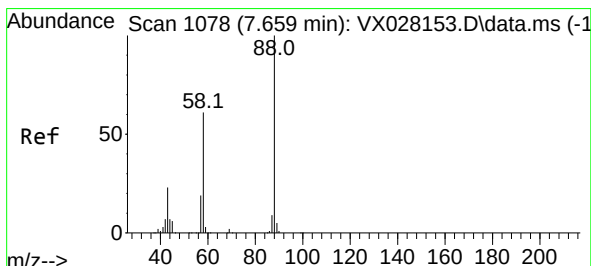
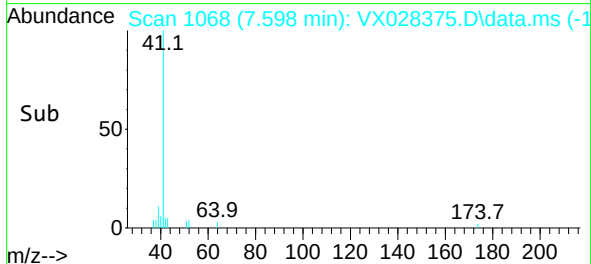
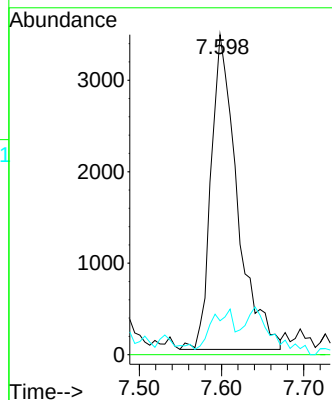
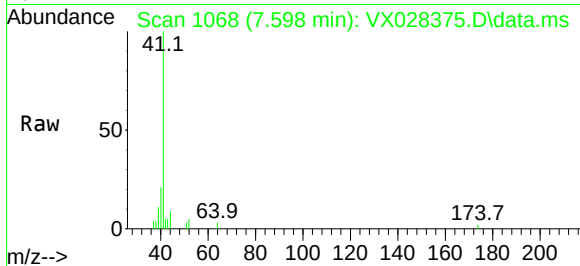




#48
Methyl methacrylate
Concen: 1.447 ug/l
RT: 7.598 min Scan# 1101
Delta R.T. -0.098 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

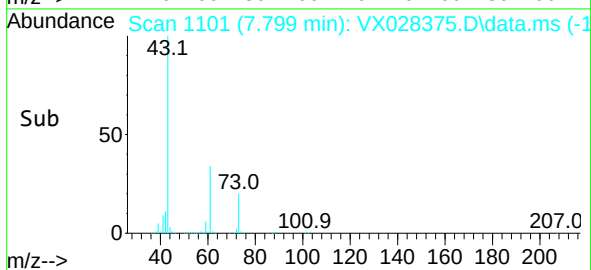
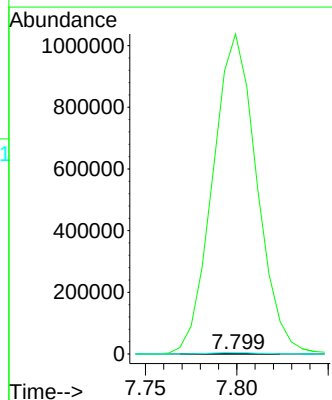
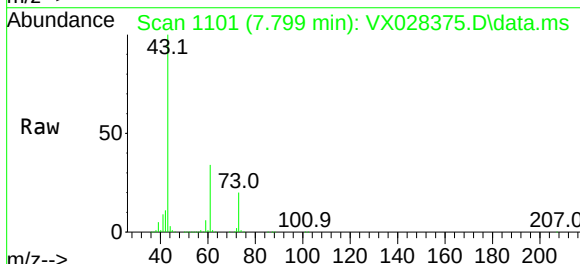
Instrument :
MSVOA_X
ClientSampleId :
PB144400TB

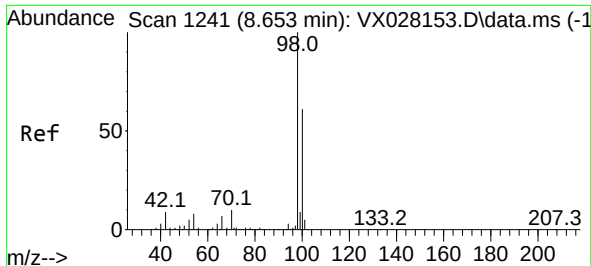
Tgt Ion: 41 Resp: 7646
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.836 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

Tgt Ion: 88 Resp: 401
Ion Ratio Lower Upper
88 100
43 437757.9 21.9 32.9#
58 2064.6 53.7 80.5#

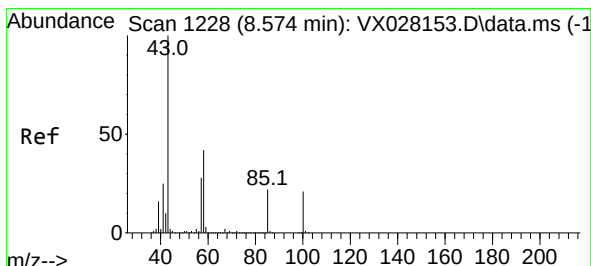
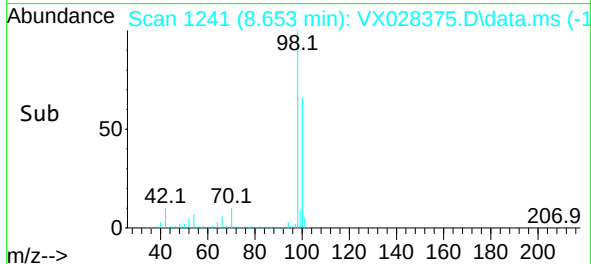
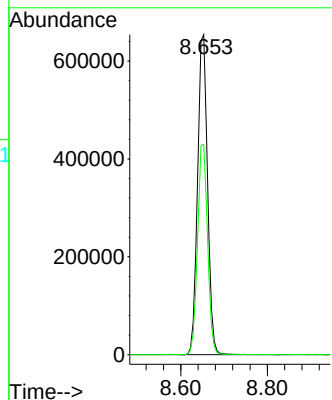
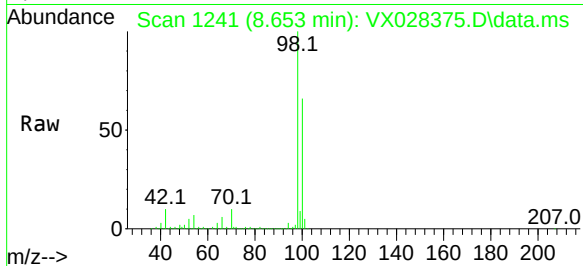




#50
Toluene-d8
Concen: 50.959 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

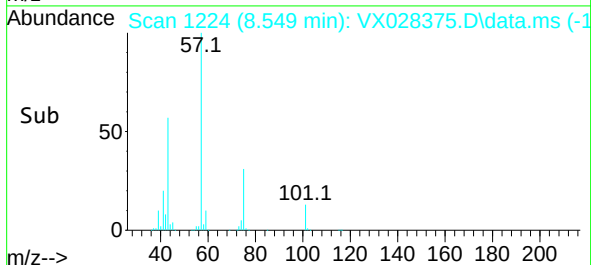
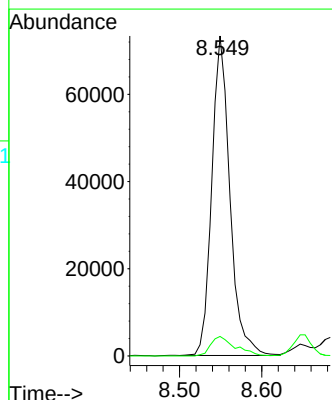
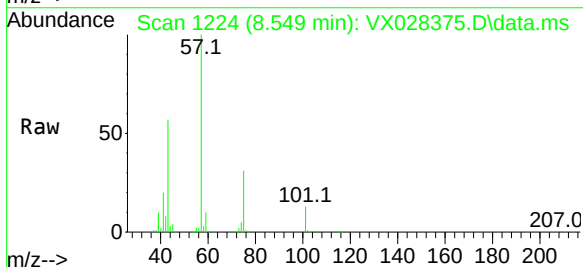
Instrument :
MSVOA_X
ClientSampleId :
PB144400TB

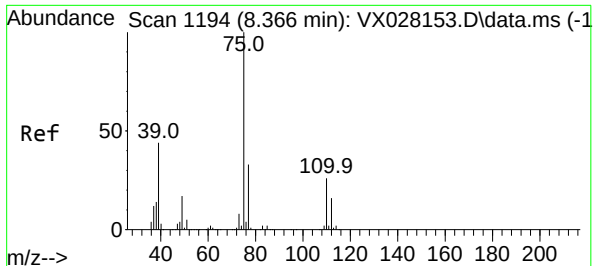
Tgt Ion: 98 Resp: 1045885
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.207 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

Tgt Ion: 43 Resp: 112331
Ion Ratio Lower Upper
43 100
58 8.3 36.1 54.1#

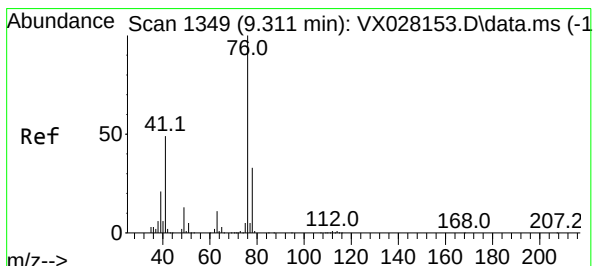
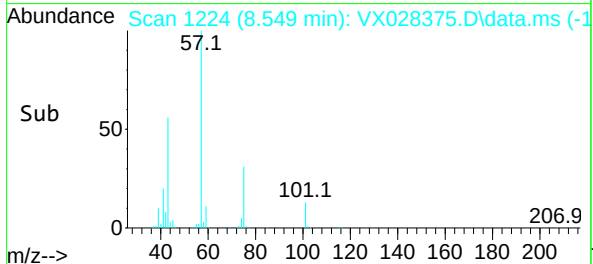
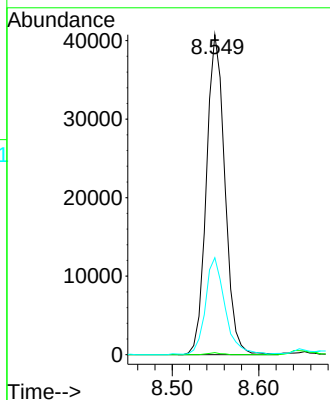
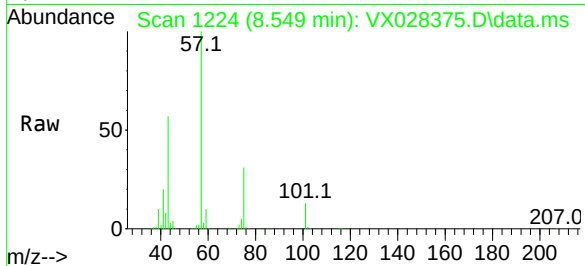




#54
 cis-1,3-Dichloropropene
 Concen: 7.035 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028375.D
 Acq: 27 Apr 2022 14:00

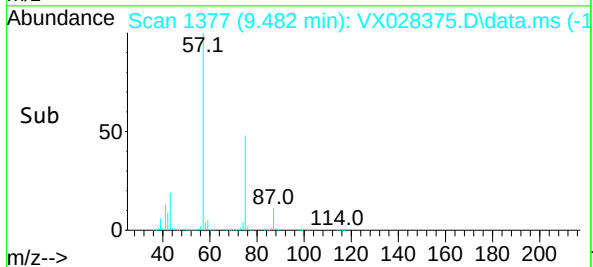
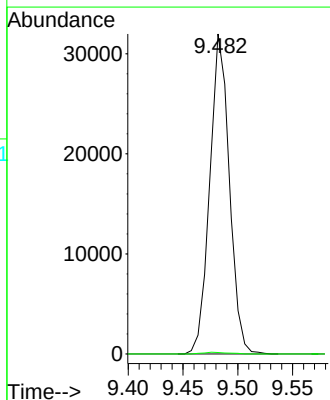
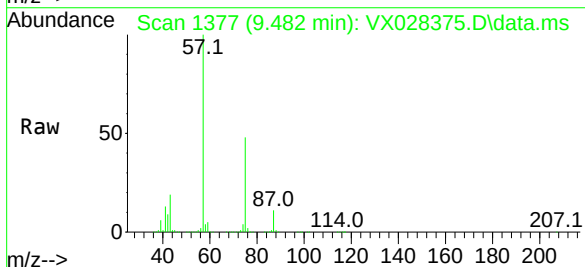
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144400TB

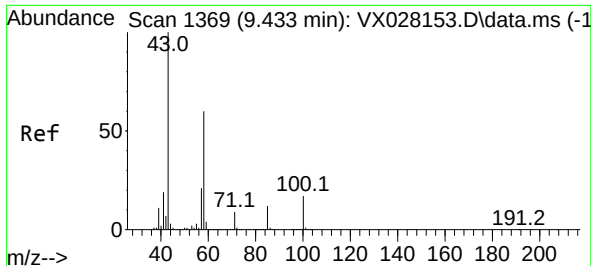
Tgt Ion: 75 Resp: 60455
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.8 37.2#
 39 30.1 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.278 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028375.D
 Acq: 27 Apr 2022 14:00

Tgt Ion: 76 Resp: 39771
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.8 38.8#





#59

2-Hexanone

Concen: 77.239 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028375.D

Acq: 27 Apr 2022 14:00

Instrument :

MSVOA_X

ClientSampleId :

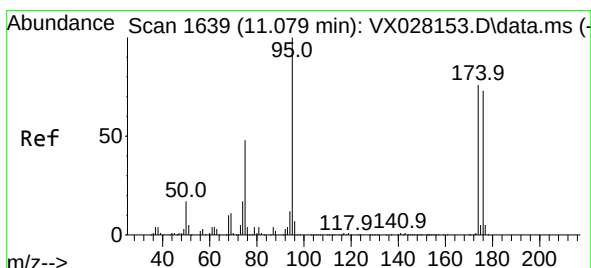
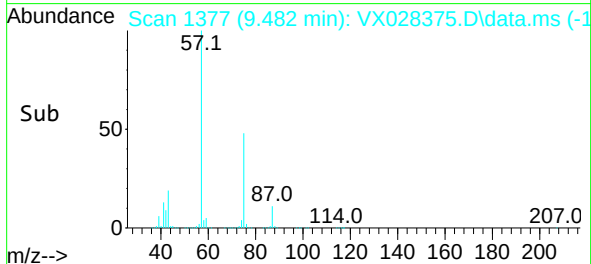
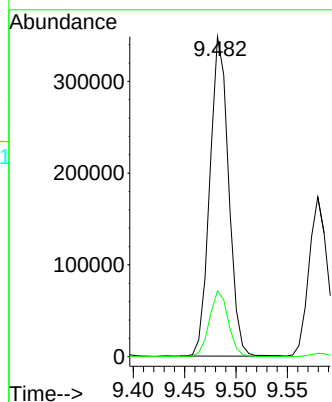
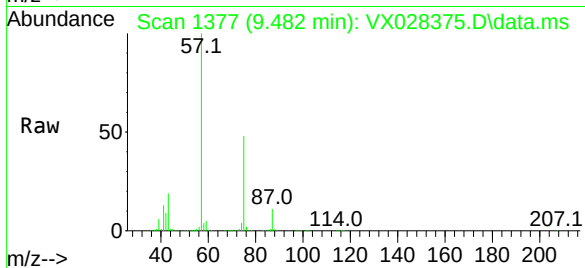
PB144400TB

Tgt Ion: 43 Resp: 441949

Ion Ratio Lower Upper

43 100

58 20.8 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 49.383 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028375.D

Acq: 27 Apr 2022 14:00

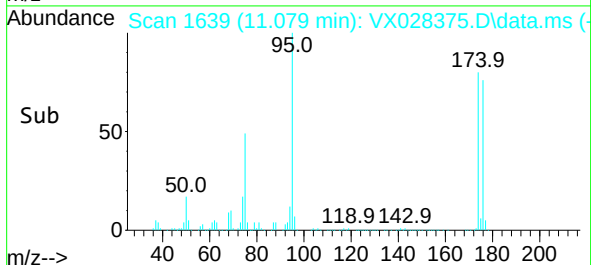
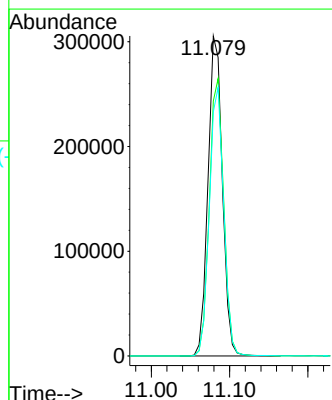
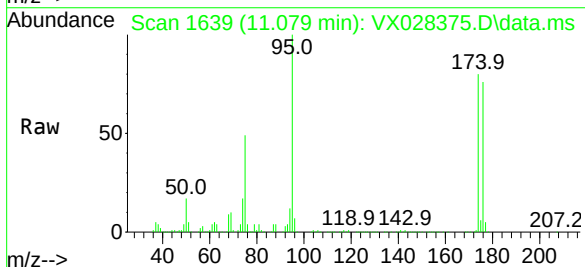
Tgt Ion: 95 Resp: 387539

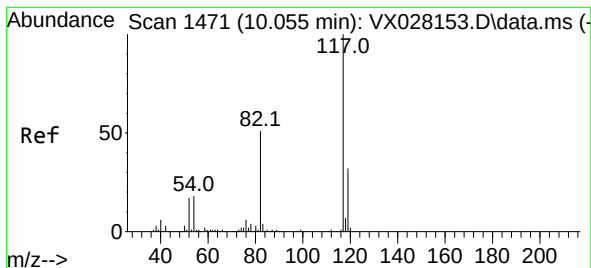
Ion Ratio Lower Upper

95 100

174 87.0 0.0 163.0

176 84.3 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: VX028375.D

Acq: 27 Apr 2022 14:00

Instrument :

MSVOA_X

ClientSampleId :

PB144400TB

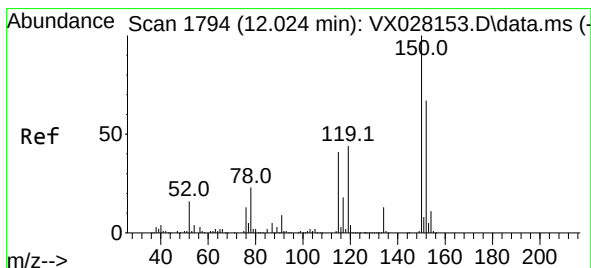
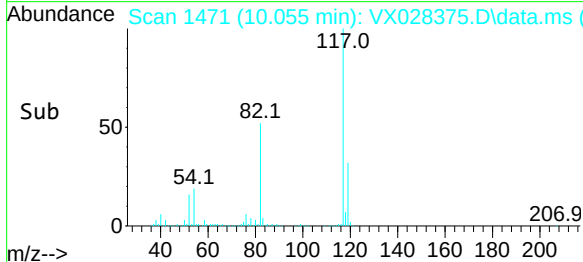
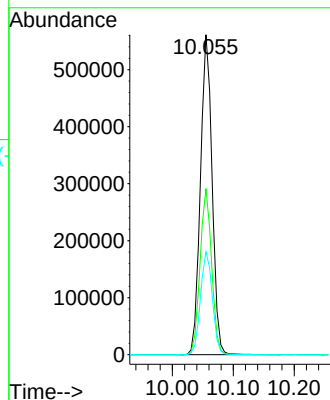
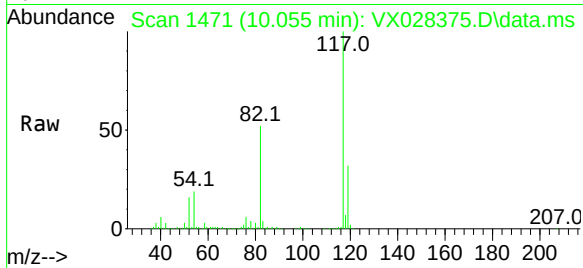
Tgt Ion:117 Resp: 747138

Ion Ratio Lower Upper

117 100

82 51.9 41.8 62.8

119 32.1 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: VX028375.D

Acq: 27 Apr 2022 14:00

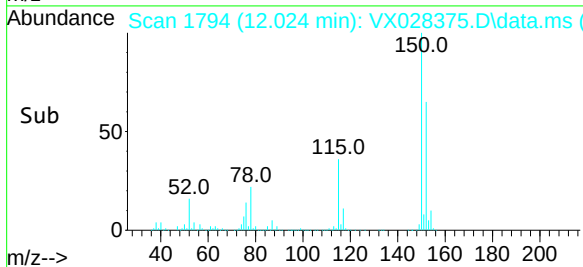
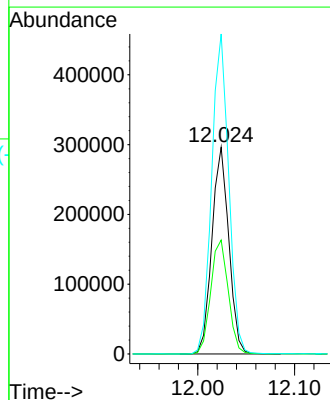
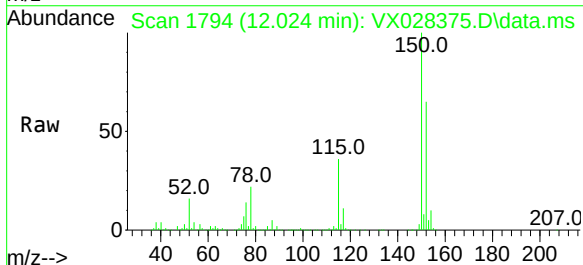
Tgt Ion:152 Resp: 359767

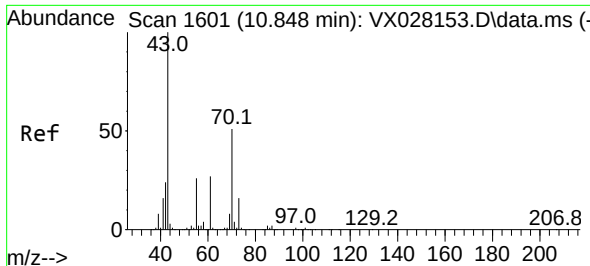
Ion Ratio Lower Upper

152 100

115 57.2 37.5 112.7

150 156.3 0.0 338.2

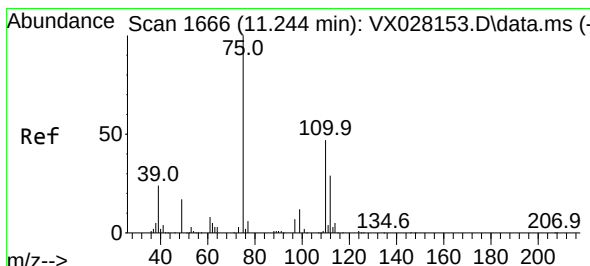
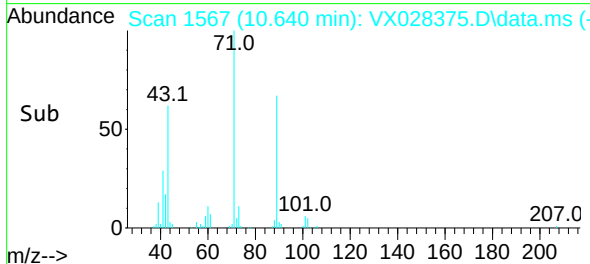
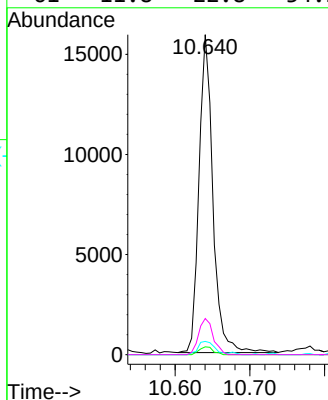
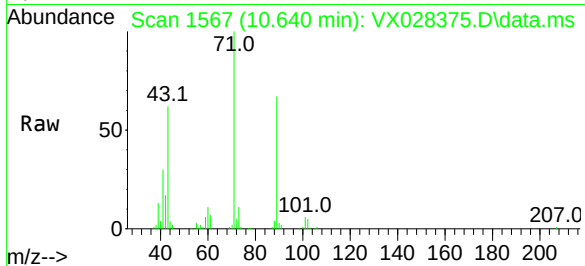




#74
N-amy1 acetate
Concen: 2.408 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.208 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

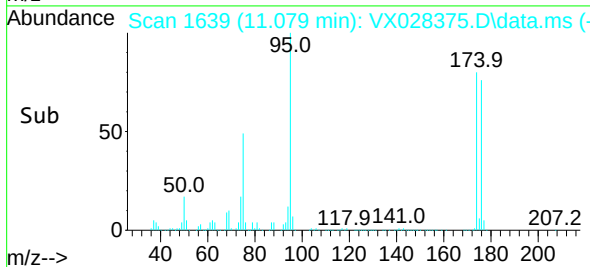
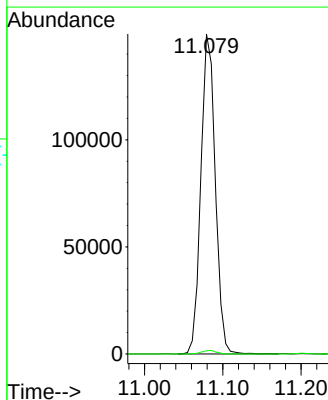
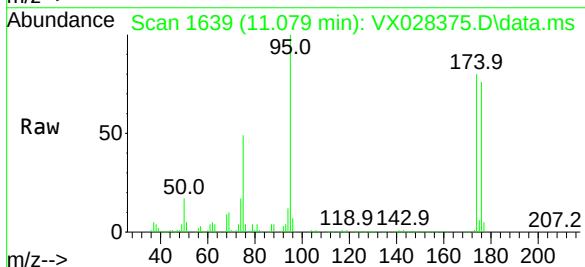
Instrument :
MSVOA_X
ClientSampleId :
PB144400TB

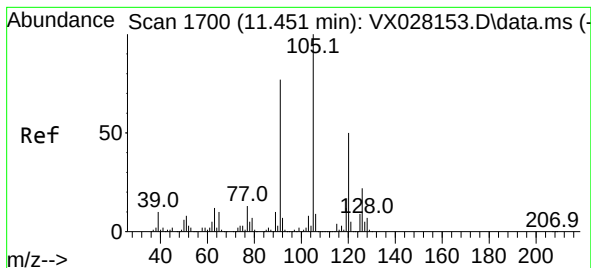
Tgt Ion: 43	Resp: 20577
Ion Ratio	Lower Upper
43	100
70	2.5 42.5 63.7#
55	5.4 23.1 34.7#
61	11.8 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 26.954 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028375.D
Acq: 27 Apr 2022 14:00

Tgt Ion: 75	Resp: 190845
Ion Ratio	Lower Upper
75	100
77	1.1 19.4 58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.258 ug/l

RT: 11.457 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX028375.D

Acq: 27 Apr 2022 14:00

Instrument :

MSVOA_X

ClientSampleId :

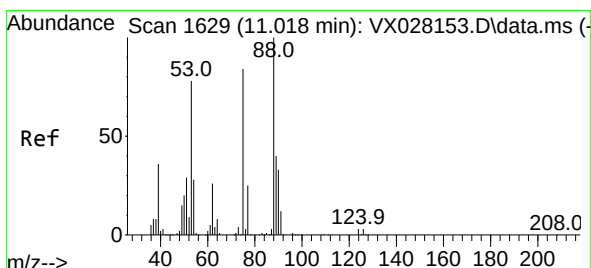
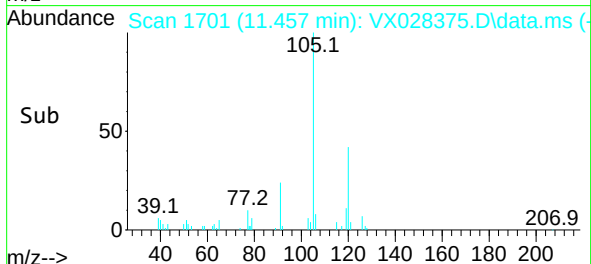
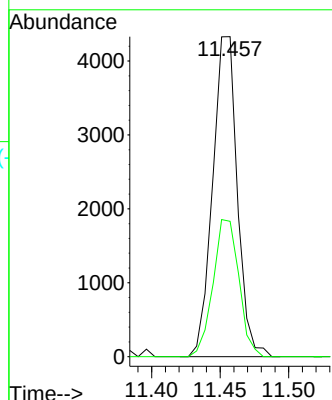
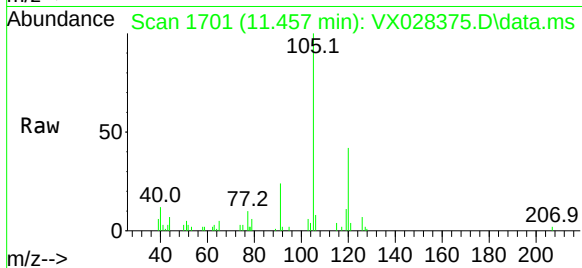
PB144400TB

Tgt Ion:105 Resp: 5418

Ion Ratio Lower Upper

105 100

120 44.9 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 80.100 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028375.D

Acq: 27 Apr 2022 14:00

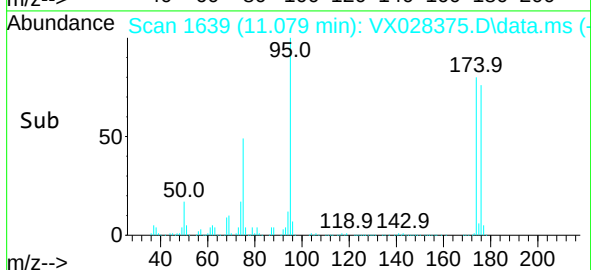
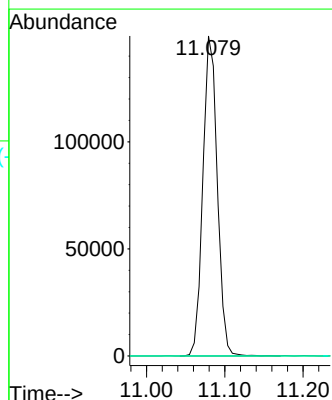
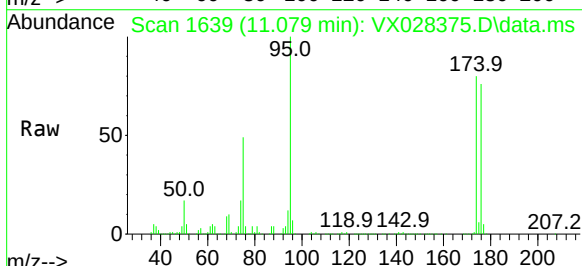
Tgt Ion: 75 Resp: 190845

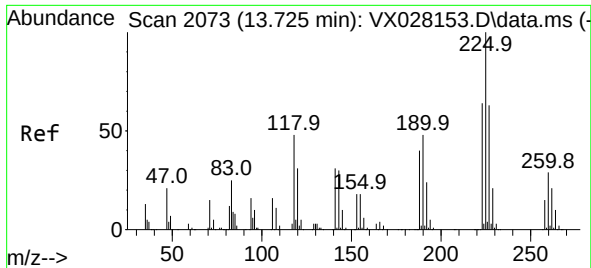
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

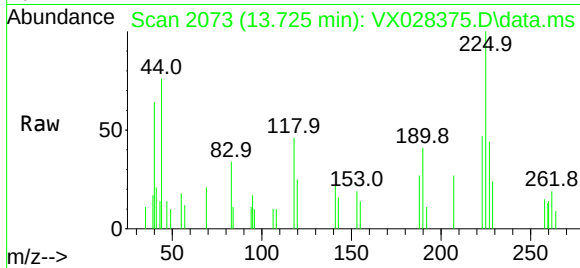
89 0.0 37.0 55.6#





#94
 Hexachlorobutadiene
 Concen: 0.217 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX028375.D
 Acq: 27 Apr 2022 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144400TB



Tgt Ion:	225	Resp:	691
Ion	Ratio	Lower	Upper
225	100		
223	59.2	34.2	102.5
227	73.1	33.9	101.7

