

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028227.D
 Acq On : 21 Apr 2022 03:48
 Operator : JC/MD
 Sample : PB144231ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231ZHE#09

Quant Time: Apr 21 06:22:44 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)

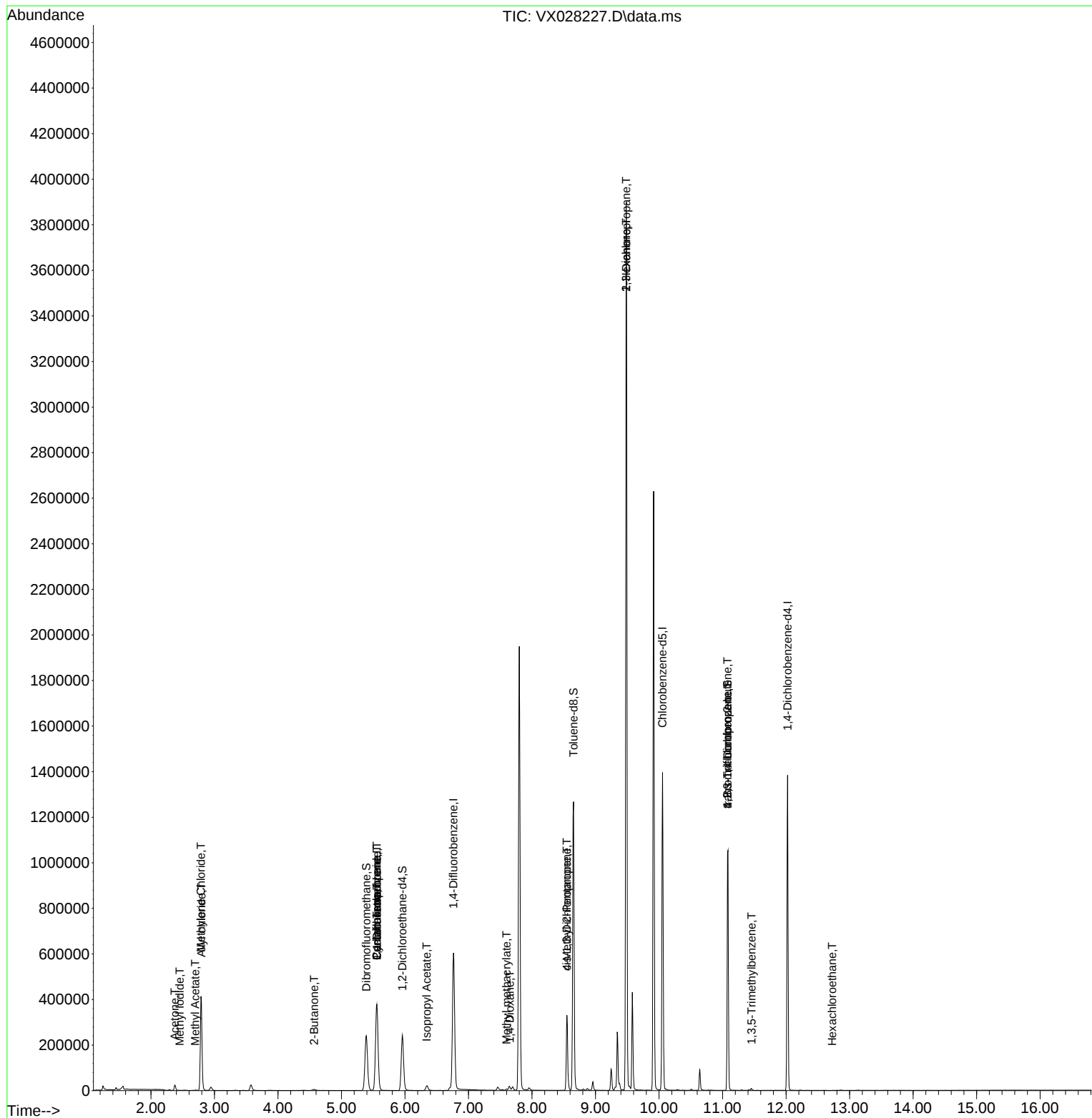
Internal Standards						
1) Pentafluorobenzene	5.556	168	371116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	643204	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	650443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	287340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	228973	47.319	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.640%		
35) Dibromofluoromethane	5.391	113	208947	46.322	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.640%		
50) Toluene-d8	8.653	98	778212	44.919	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.840%		
62) 4-Bromofluorobenzene	11.079	95	284181	42.900	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	85.800%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	376	Below Cal	#	42
5) Bromomethane	1.617	94	855	Below Cal	#	66
6) Chloroethane	1.672	64	579	Below Cal	#	43
8) Diethyl Ether	2.130	74	25	Below Cal	#	1
10) Methyl Iodide	2.453	142	353	5.311 ug/l	#	86
11) Tert butyl alcohol	2.940	59	8528	Below Cal	#	74
14) Allyl chloride	2.794	41	5547	1.159 ug/l	#	30
16) Acetone	2.373	43	25885	16.209 ug/l		88
18) Methyl Acetate	2.697	43	2468	0.574 ug/l		94
20) Methylene Chloride	2.788	84	195182	54.362 ug/l		99
25) 2-Butanone	4.568	43	4099	1.430 ug/l	#	85
31) Cyclohexane	5.556	56	7099	1.204 ug/l	#	23
36) 1,1-Dichloropropene	5.556	75	26997	4.588 ug/l	#	51
38) Carbon Tetrachloride	5.556	117	36606	5.511 ug/l	#	16
43) Isopropyl Acetate	6.342	43	28048	2.887 ug/l		98
48) Methyl methacrylate	7.598	41	7125	1.597 ug/l	#	7
49) 1,4-Dioxane	7.653	88	46	0.385 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.549	43	108415	17.387 ug/l	#	44
54) cis-1,3-Dichloropropene	8.549	75	58207	8.024 ug/l	#	67
57) 1,3-Dichloropropane	9.482	76	37514	4.781 ug/l	#	43
59) 2-Hexanone	9.482	43	419632	86.881 ug/l	#	45
76) 1,2,3-Trichloropropane	11.079	75	141013	24.936 ug/l	#	38
80) 1,3,5-Trimethylbenzene	11.457	105	3839	0.229 ug/l		96
81) trans-1,4-Dichloro-2-b...	11.079	75	141013	74.103 ug/l	#	15
90) Hexachloroethane	12.725	117	23	1.821 ug/l	#	10

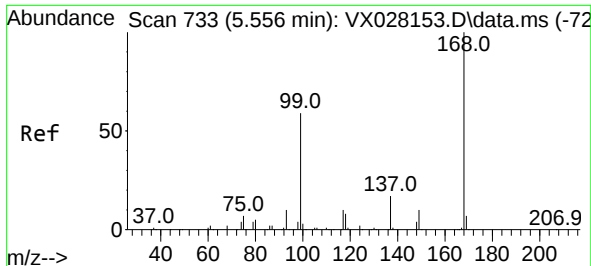
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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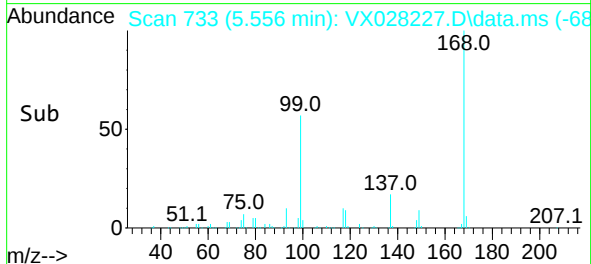
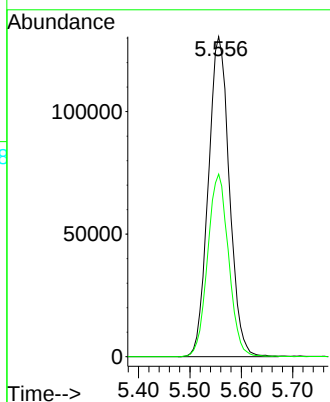
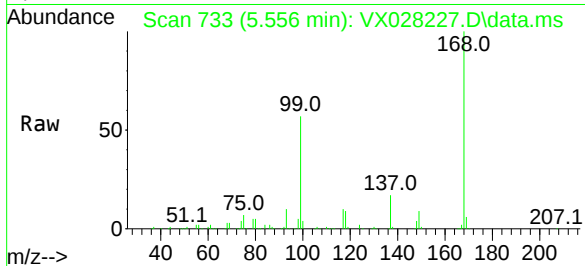




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

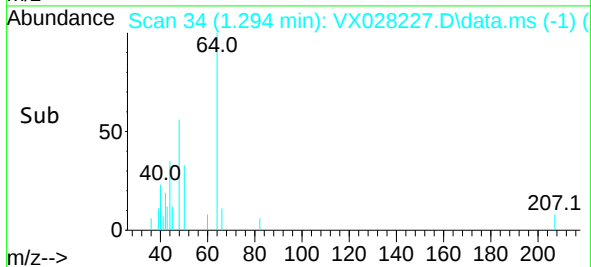
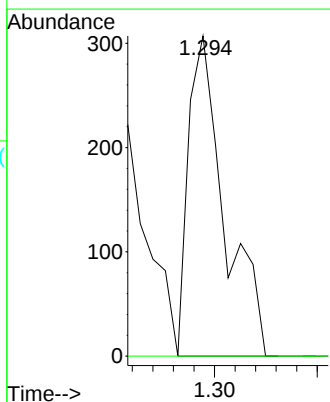
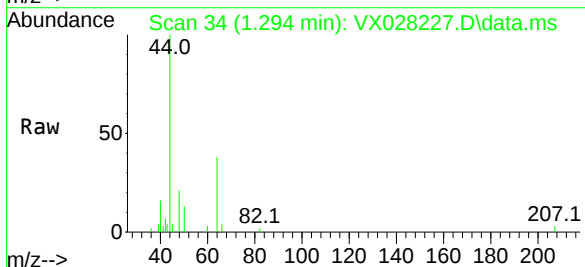
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#09

Tgt Ion:168 Resp: 371116
Ion Ratio Lower Upper
168 100
99 57.0 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

Tgt Ion: 50 Resp: 376
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

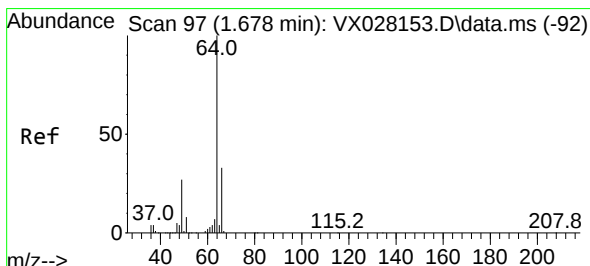
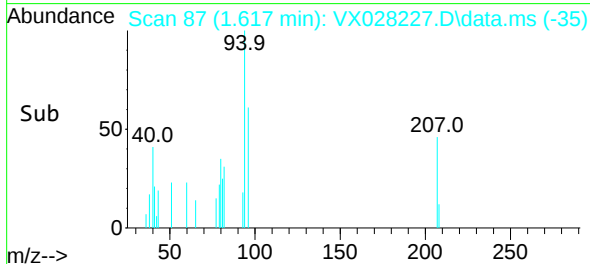
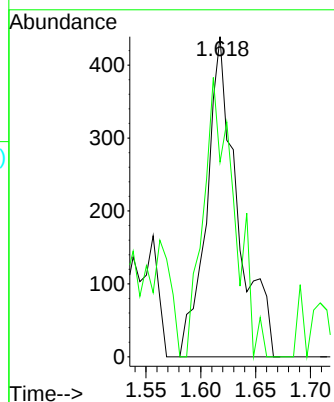
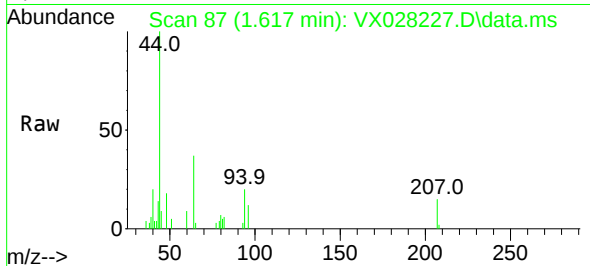




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

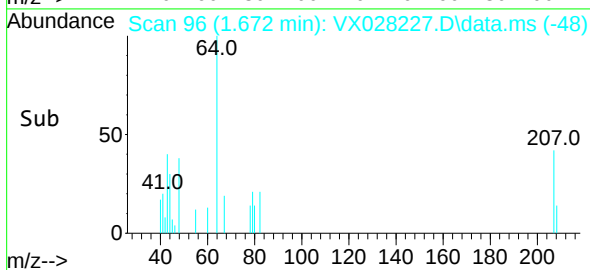
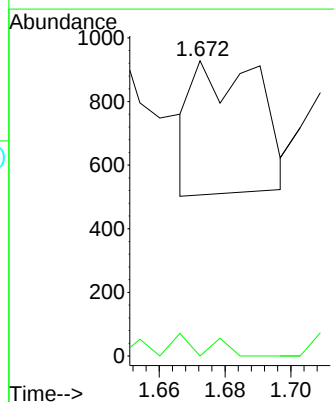
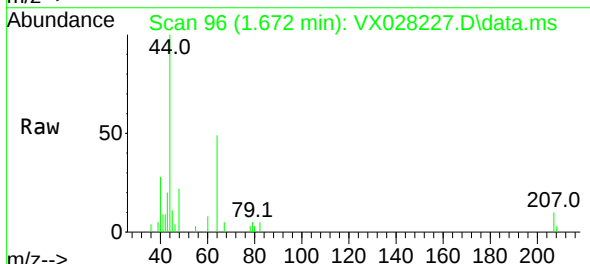
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#09

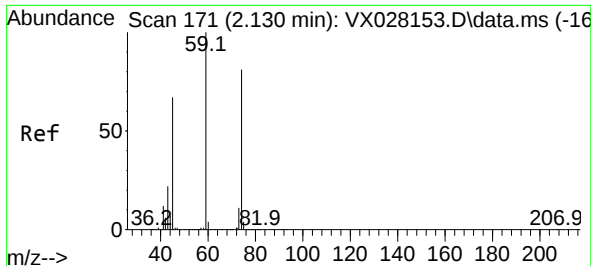
Tgt Ion: 94 Resp: 855
Ion Ratio Lower Upper
94 100
96 60.8 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

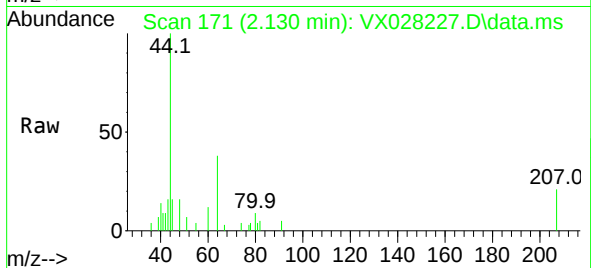
Tgt Ion: 64 Resp: 579
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



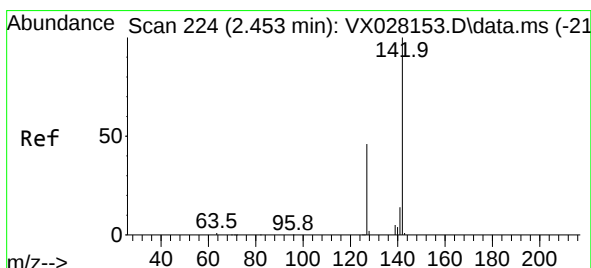
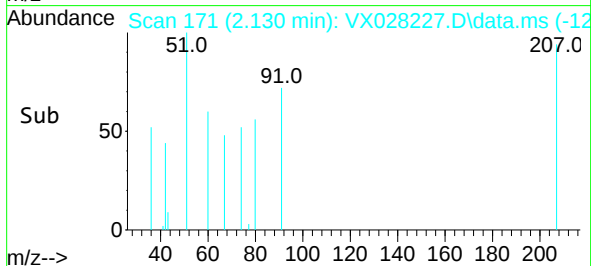
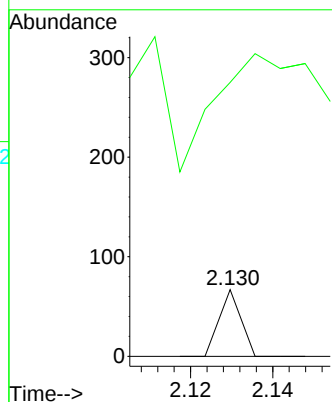


#8
Diethyl Ether
Concen: Below Cal
RT: 2.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#09

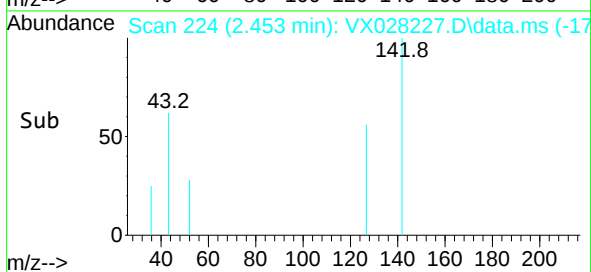
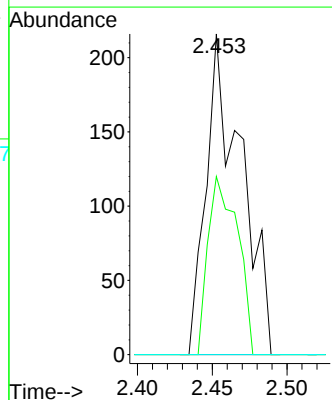
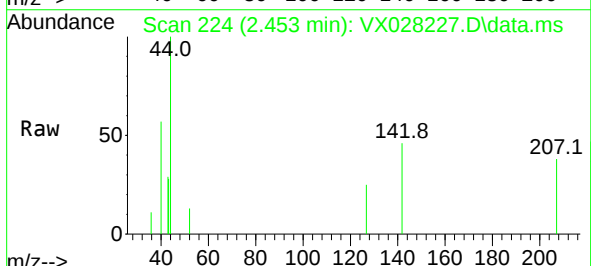


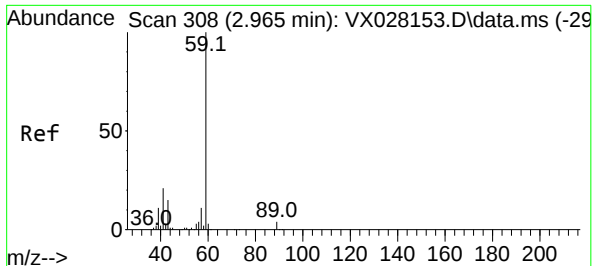
Tgt Ion: 74 Resp: 25
Ion Ratio Lower Upper
74 100
45 608.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.311 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

Tgt Ion: 142 Resp: 353
Ion Ratio Lower Upper
142 100
127 46.7 33.9 50.9
141 0.0 11.4 17.2#

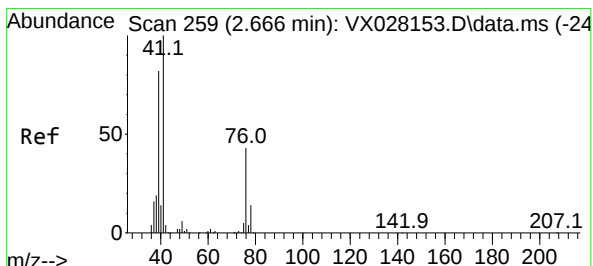
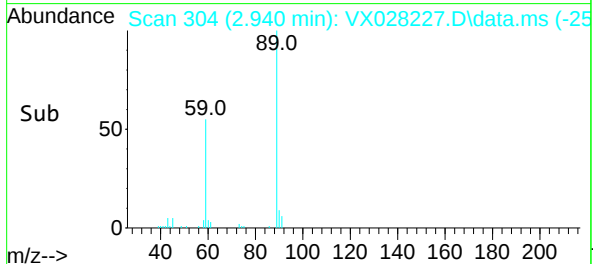
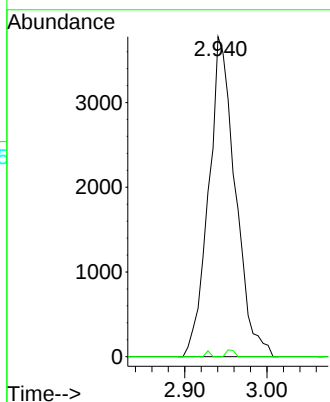
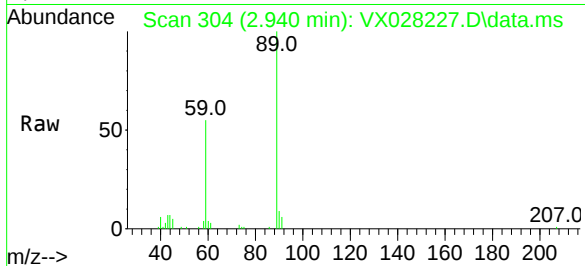




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 308
Delta R.T. -0.025 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

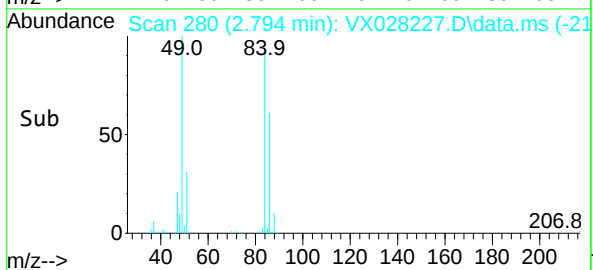
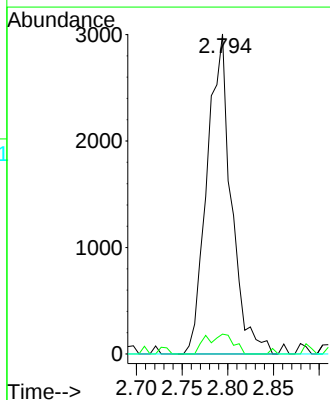
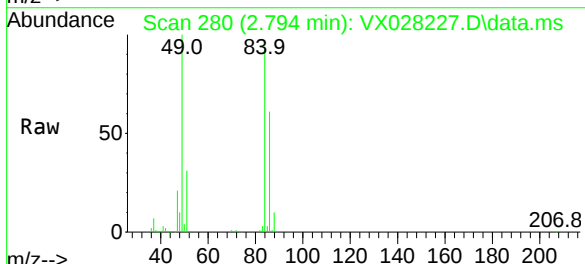
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#09

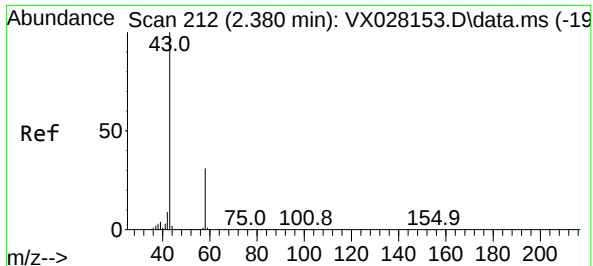
Tgt Ion: 59 Resp: 8528
Ion Ratio Lower Upper
59 100
57 0.7 8.3 12.5#



#14
Allyl chloride
Concen: 1.159 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.128 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

Tgt Ion: 41 Resp: 5547
Ion Ratio Lower Upper
41 100
39 7.0 50.4 75.6#
76 0.0 32.7 49.1#

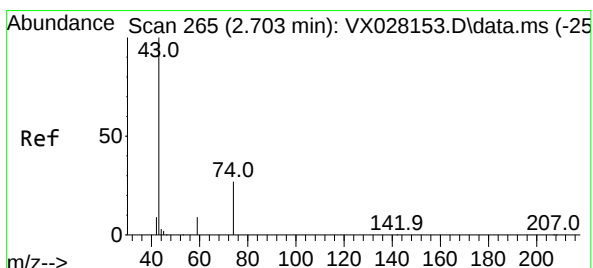
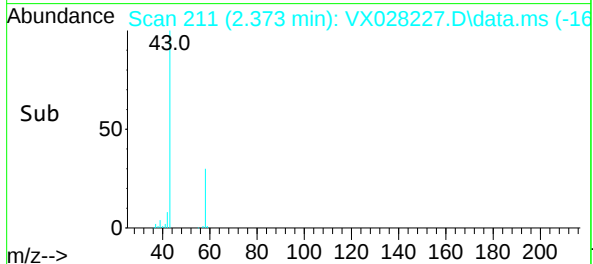
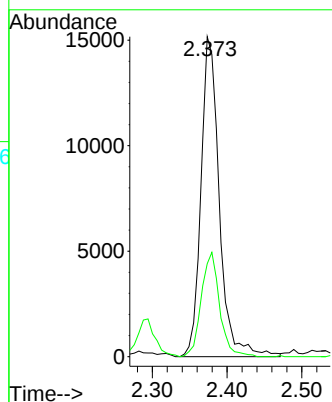
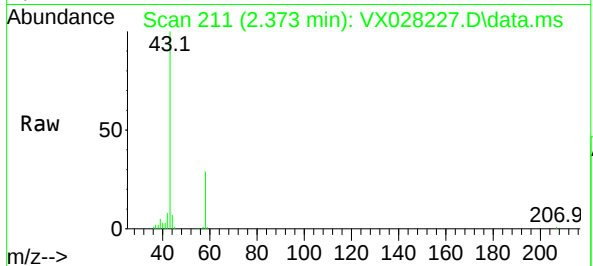




#16
Acetone
Concen: 16.209 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

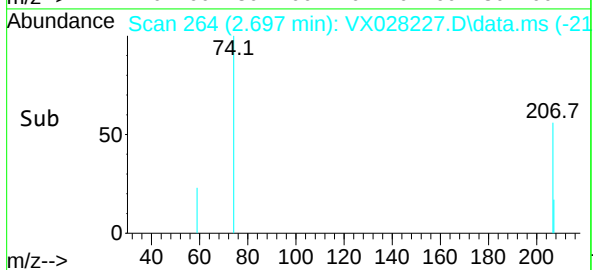
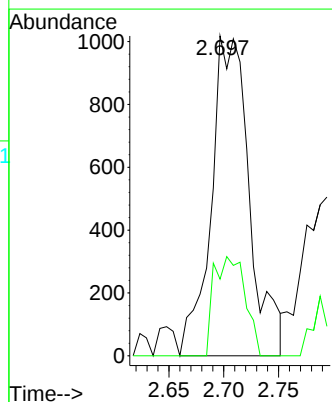
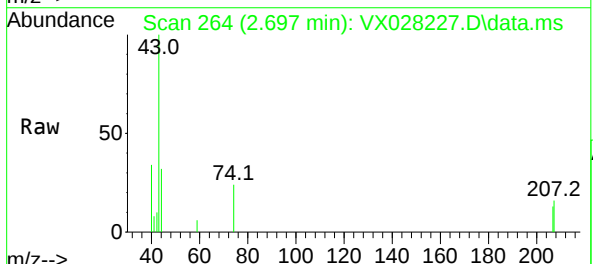
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#09

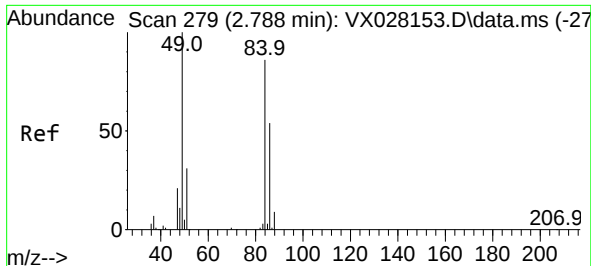
Tgt Ion: 43 Resp: 25885
Ion Ratio Lower Upper
43 100
58 29.1 28.8 43.2



#18
Methyl Acetate
Concen: 0.574 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

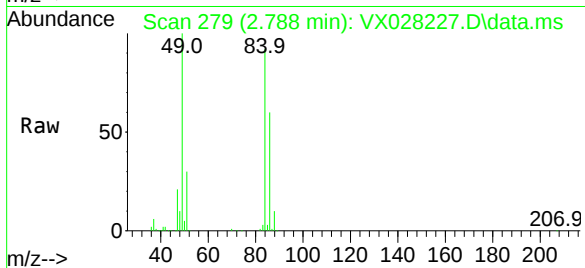
Tgt Ion: 43 Resp: 2468
Ion Ratio Lower Upper
43 100
74 25.3 22.8 34.2





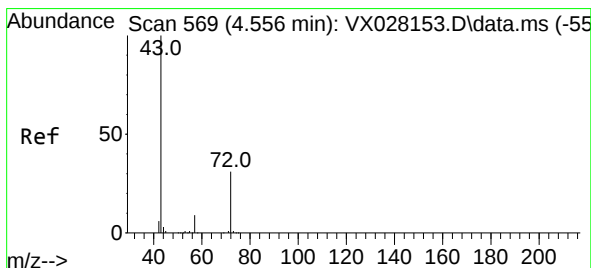
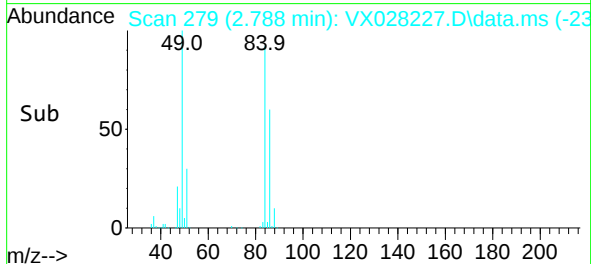
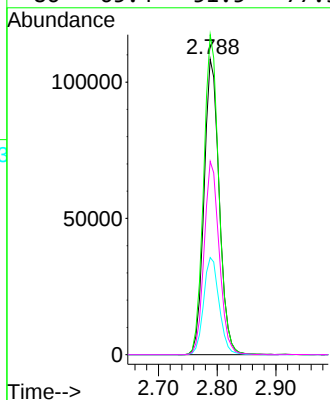
#20
Methylene Chloride
Concen: 54.362 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#09



Tgt Ion: 84 Resp: 195182

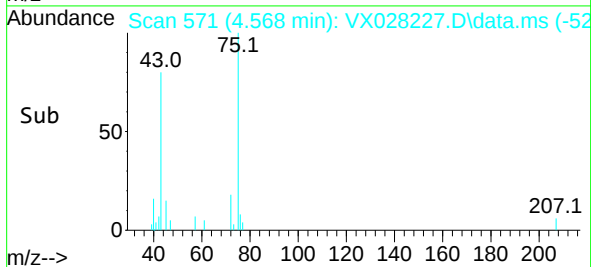
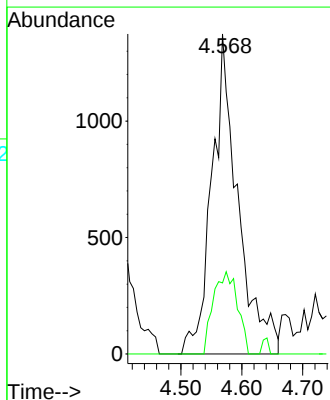
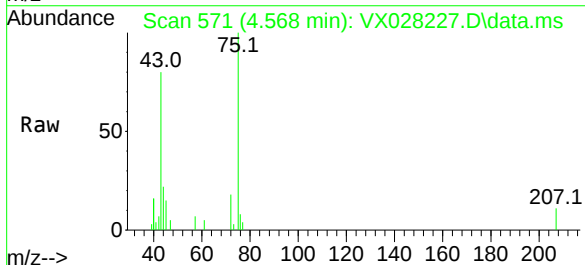
Ion	Ratio	Lower	Upper
84	100		
49	108.3	85.5	128.3
51	32.9	26.6	39.8
86	65.4	51.5	77.3

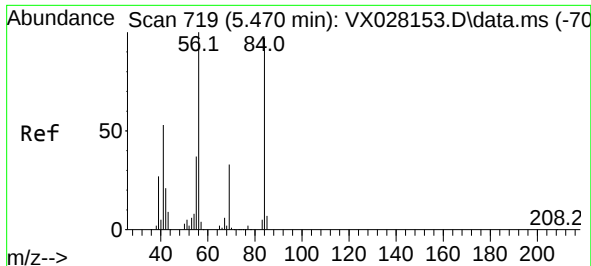


#25
2-Butanone
Concen: 1.430 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

Tgt Ion: 43 Resp: 4099

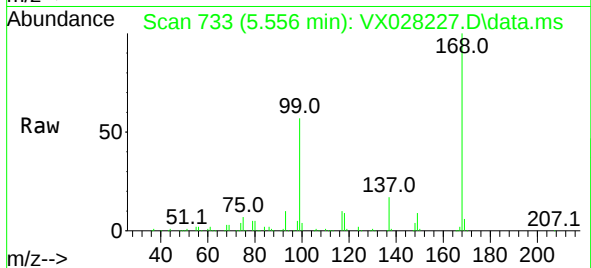
Ion	Ratio	Lower	Upper
43	100		
72	22.2	24.4	36.6



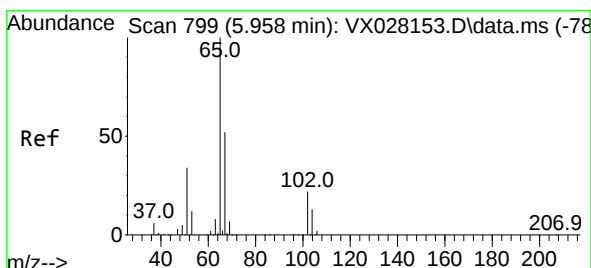
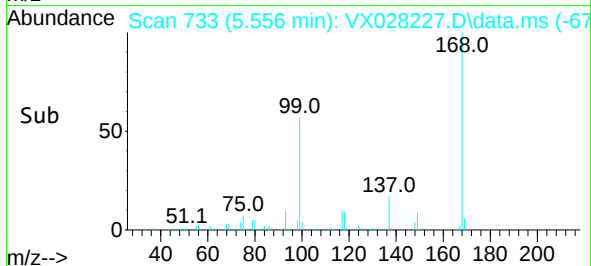
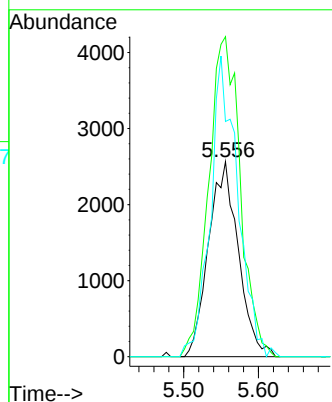


#31
Cyclohexane
Concen: 1.204 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#09

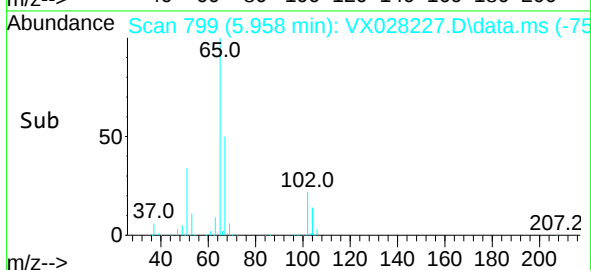
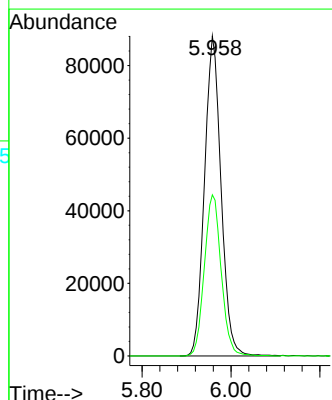
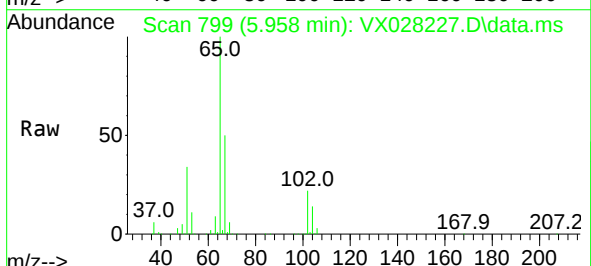


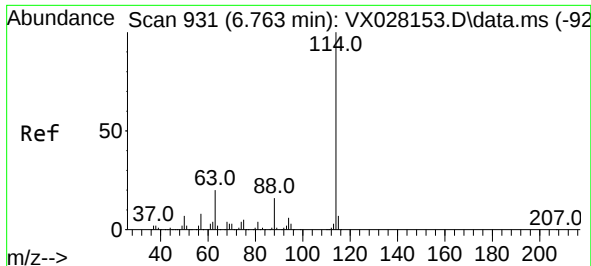
Tgt Ion: 56 Resp: 7099
Ion Ratio Lower Upper
56 100
69 164.1 26.7 40.1#
84 120.7 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 47.319 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

Tgt Ion: 65 Resp: 228973
Ion Ratio Lower Upper
65 100
67 51.2 0.0 107.4

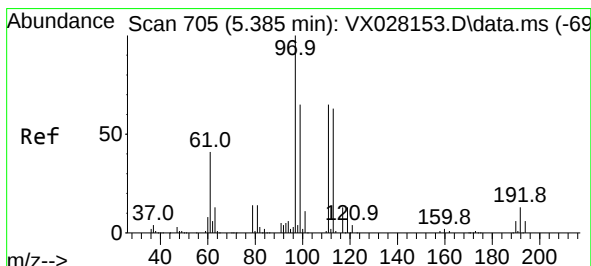
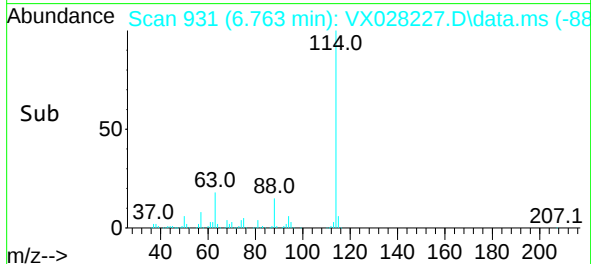
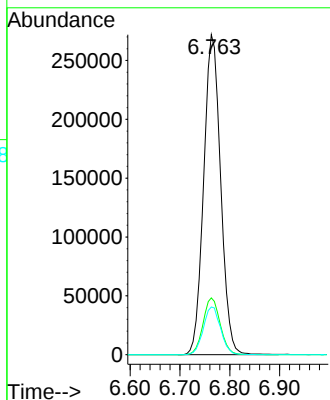
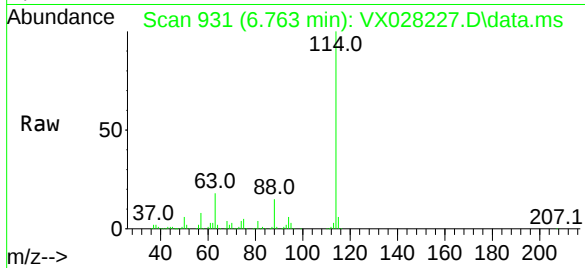




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

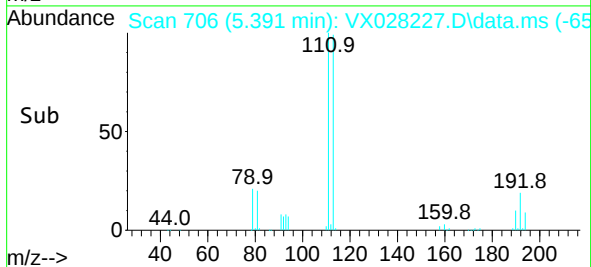
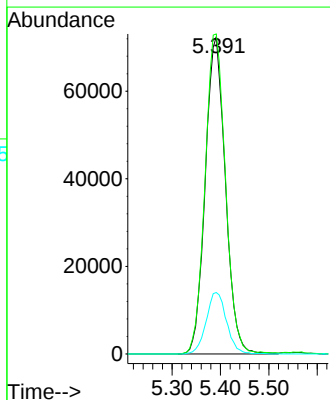
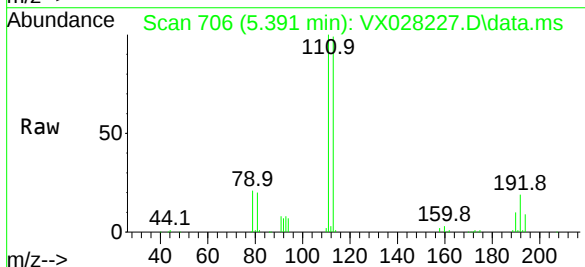
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#09

Tgt Ion:114 Resp: 643204
Ion Ratio Lower Upper
114 100
63 17.8 0.0 36.8
88 14.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.322 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

Tgt Ion:113 Resp: 208947
Ion Ratio Lower Upper
113 100
111 103.0 82.8 124.2
192 19.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.588 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX028227.D

Acq: 21 Apr 2022 03:48

Instrument :

MSVOA_X

ClientSampleId :

PB144231ZHE#09

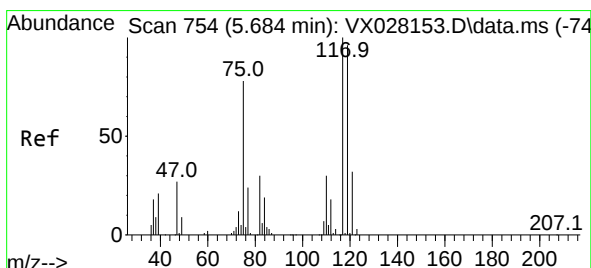
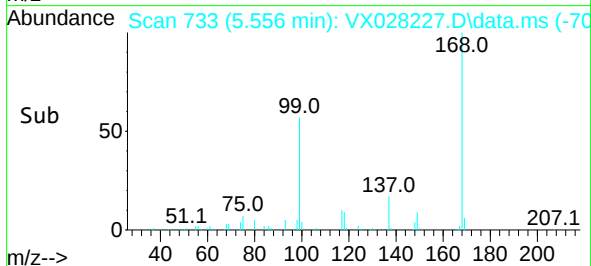
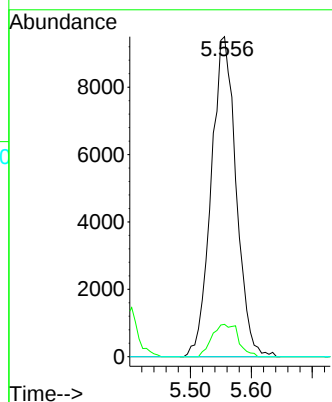
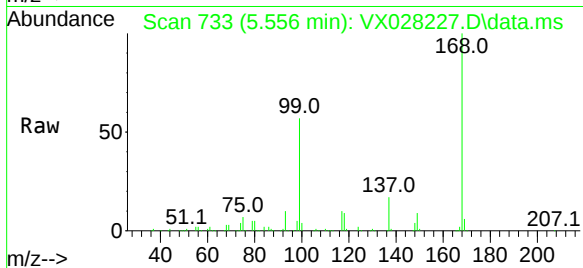
Tgt Ion: 75 Resp: 26997

Ion Ratio Lower Upper

75 100

110 10.7 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.511 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX028227.D

Acq: 21 Apr 2022 03:48

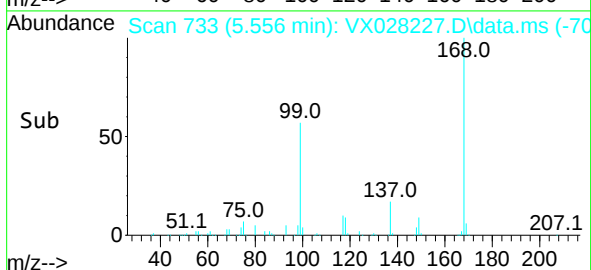
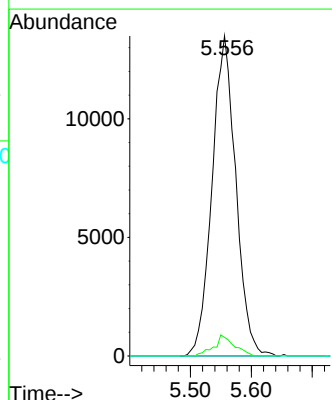
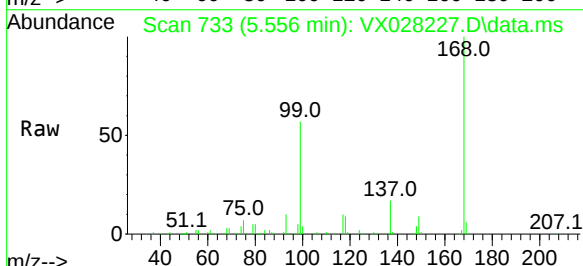
Tgt Ion: 117 Resp: 36606

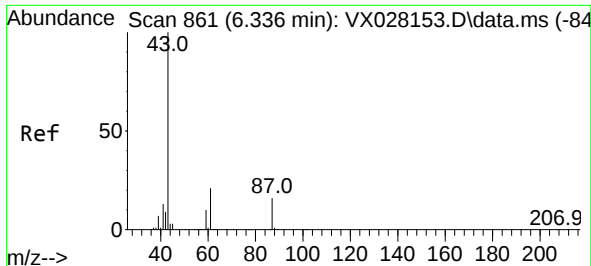
Ion Ratio Lower Upper

117 100

119 5.8 77.3 115.9#

121 0.0 24.2 36.2#

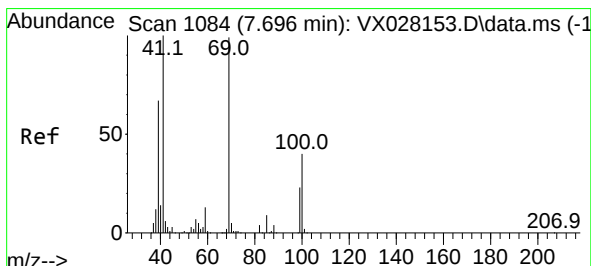
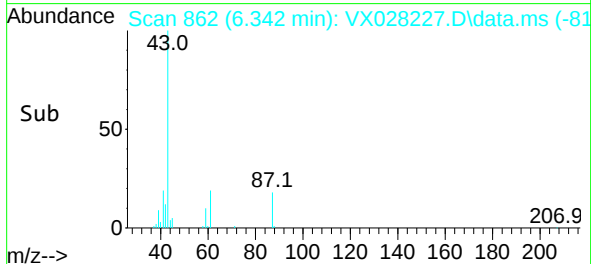
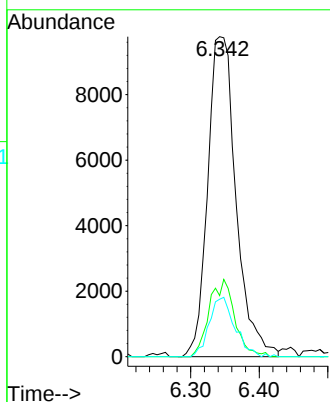
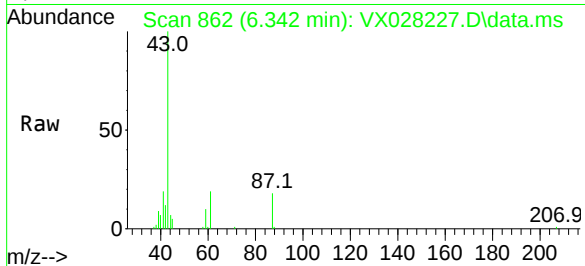




#43
Isopropyl Acetate
Concen: 2.887 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

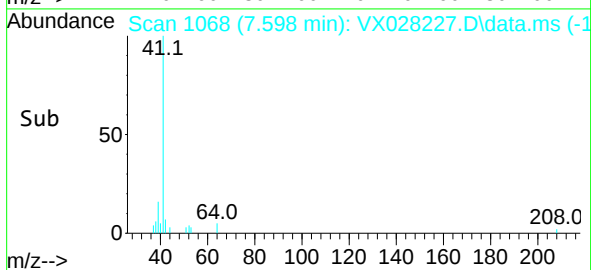
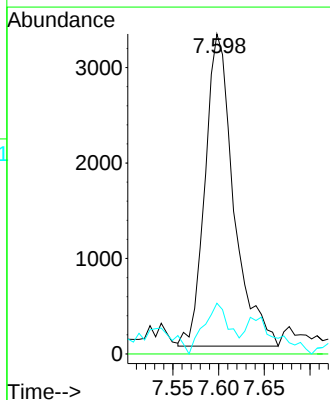
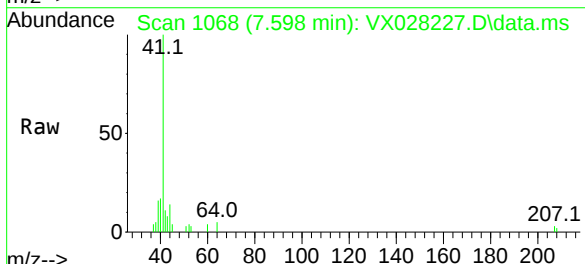
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#09

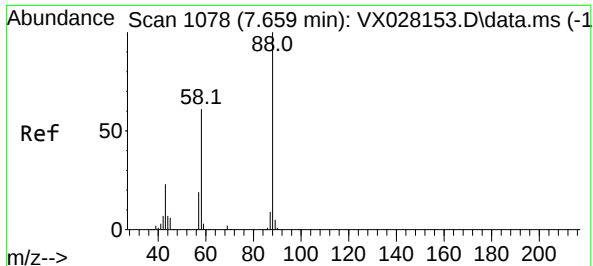
Tgt Ion: 43 Resp: 28048
Ion Ratio Lower Upper
43 100
61 21.8 18.5 27.7
87 16.6 13.0 19.6



#48
Methyl methacrylate
Concen: 1.597 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

Tgt Ion: 41 Resp: 7125
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: 0.385 ug/l

RT: 7.653 min Scan# 1078

Delta R.T. -0.006 min

Lab File: VX028227.D

Acq: 21 Apr 2022 03:48

Instrument :

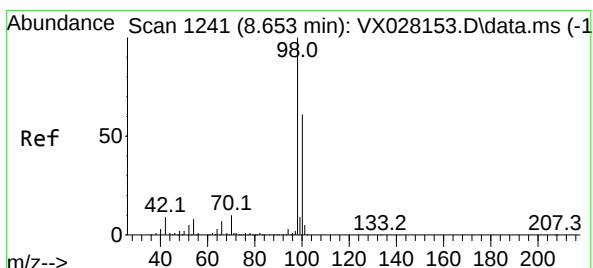
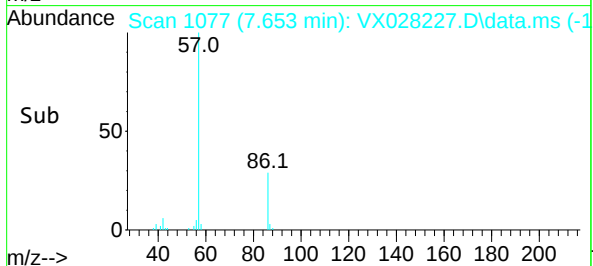
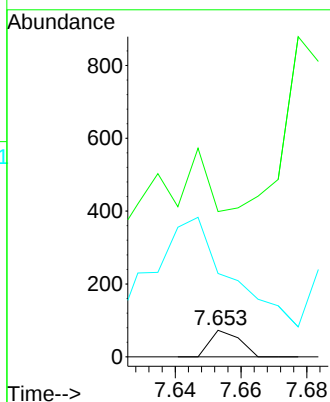
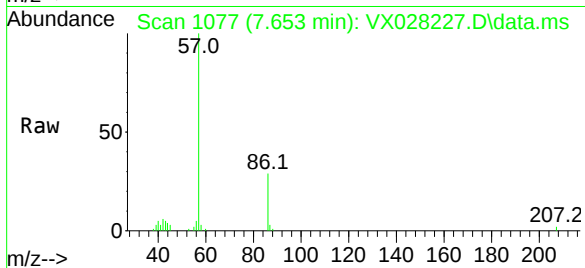
MSVOA_X

ClientSampleId :

PB144231ZHE#09

Tgt Ion: 88 Resp: 46

Ion	Ratio	Lower	Upper
88	100		
43	0.0	21.9	32.9#
58	1730.4	53.7	80.5#



#50

Toluene-d8

Concen: 44.919 ug/l

RT: 8.653 min Scan# 1241

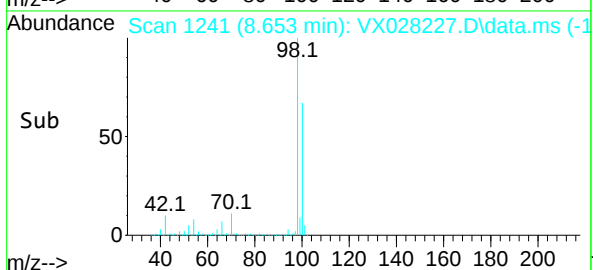
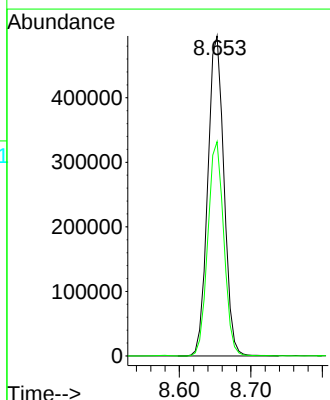
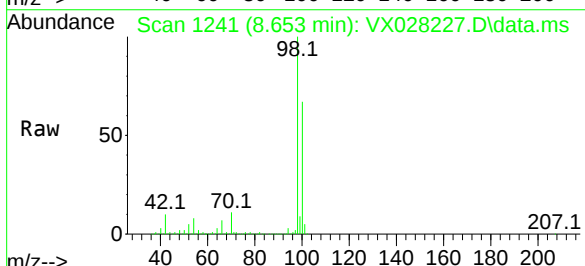
Delta R.T. -0.000 min

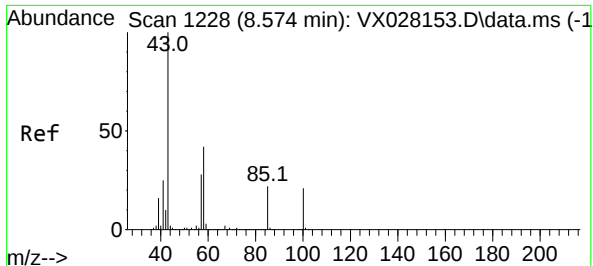
Lab File: VX028227.D

Acq: 21 Apr 2022 03:48

Tgt Ion: 98 Resp: 778212

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 17.387 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028227.D

Acq: 21 Apr 2022 03:48

Instrument :

MSVOA_X

ClientSampleId :

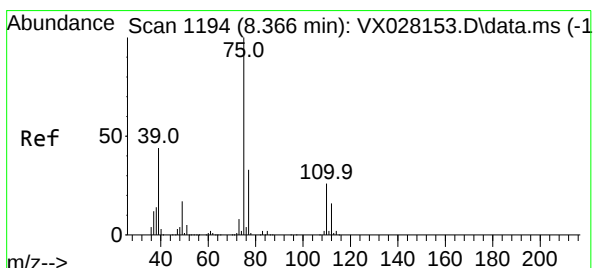
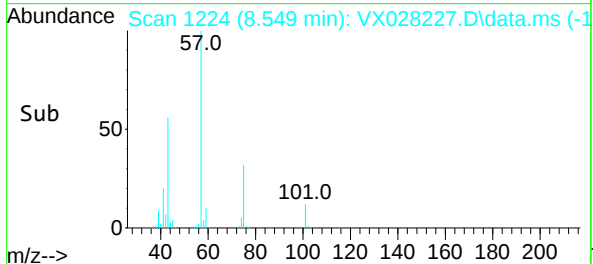
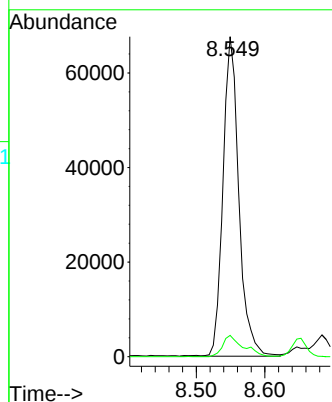
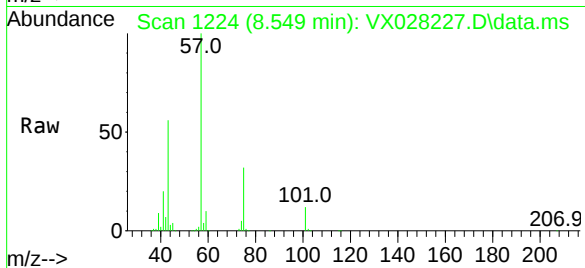
PB144231ZHE#09

Tgt Ion: 43 Resp: 108415

Ion Ratio Lower Upper

43 100

58 8.7 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 8.024 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028227.D

Acq: 21 Apr 2022 03:48

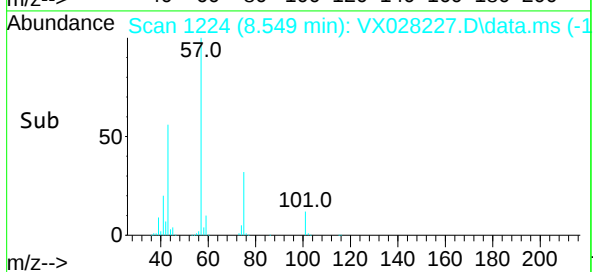
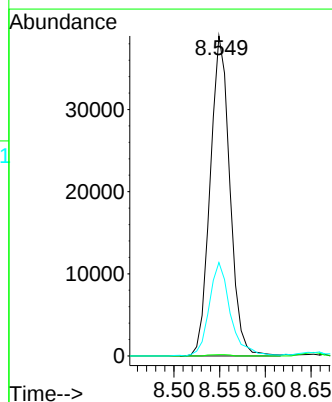
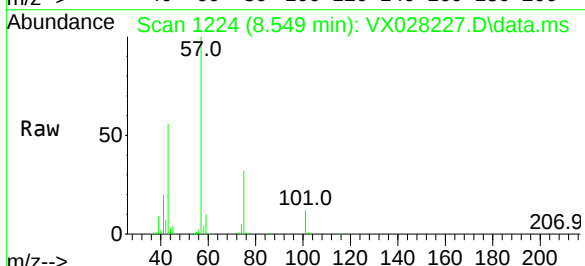
Tgt Ion: 75 Resp: 58207

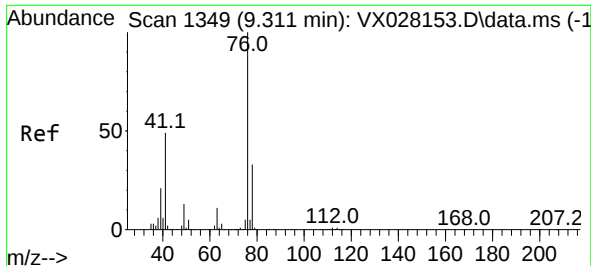
Ion Ratio Lower Upper

75 100

77 0.4 24.8 37.2#

39 29.0 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.781 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028227.D

Acq: 21 Apr 2022 03:48

Instrument :

MSVOA_X

ClientSampleId :

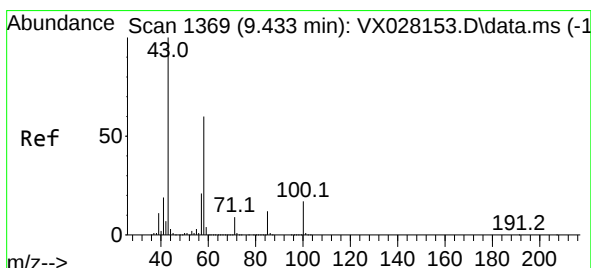
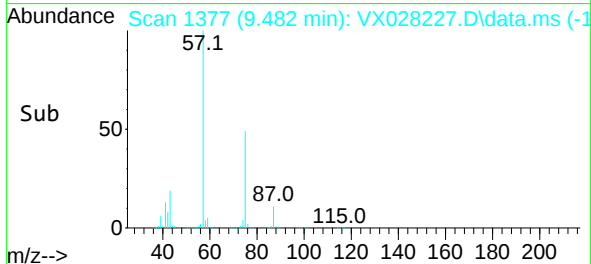
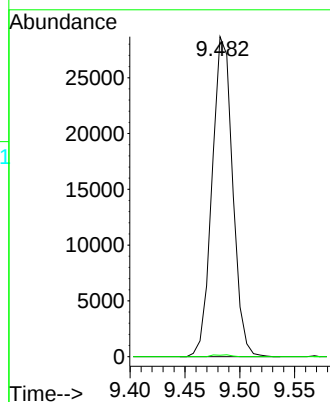
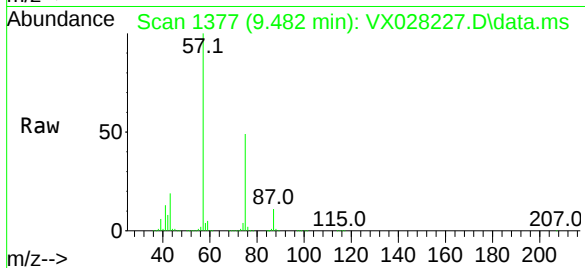
PB144231ZHE#09

Tgt Ion: 76 Resp: 37514

Ion Ratio Lower Upper

76 100

78 0.5 25.8 38.8#



#59

2-Hexanone

Concen: 86.881 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028227.D

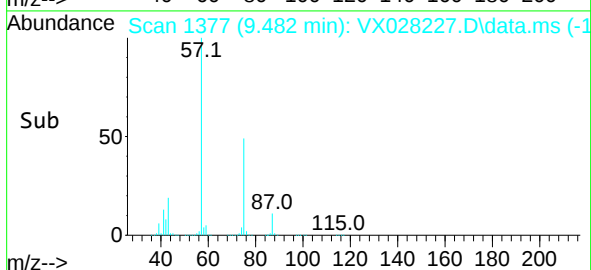
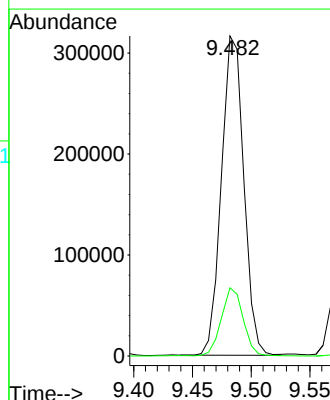
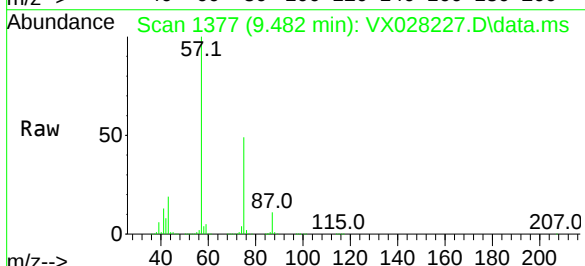
Acq: 21 Apr 2022 03:48

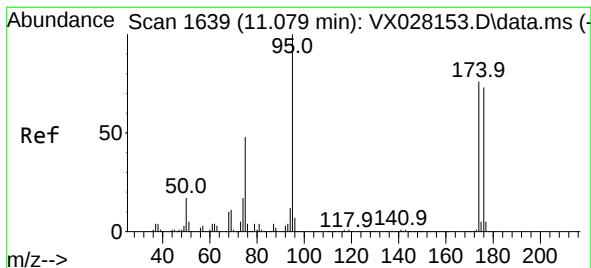
Tgt Ion: 43 Resp: 419632

Ion Ratio Lower Upper

43 100

58 21.0 31.9 95.7#

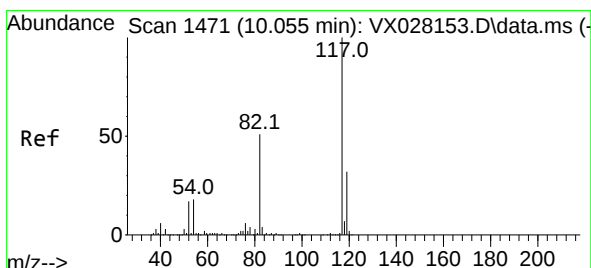
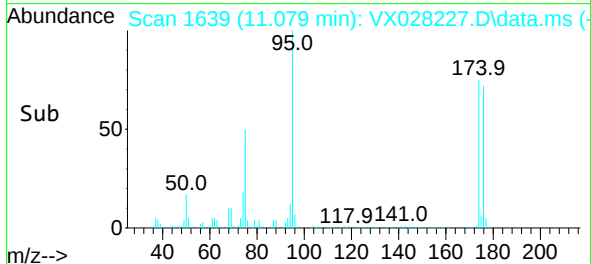
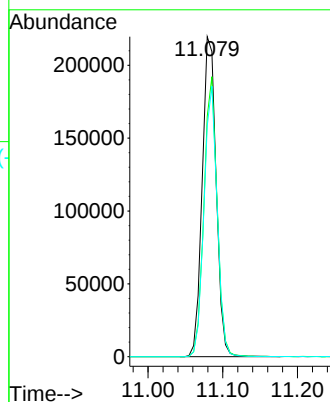
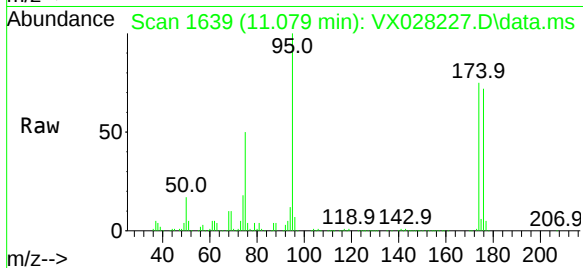




#62
4-Bromofluorobenzene
Concen: 42.900 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

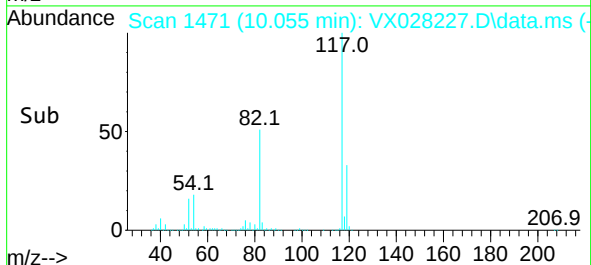
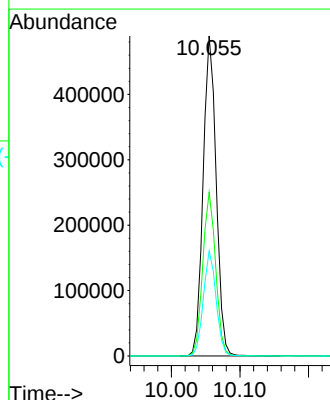
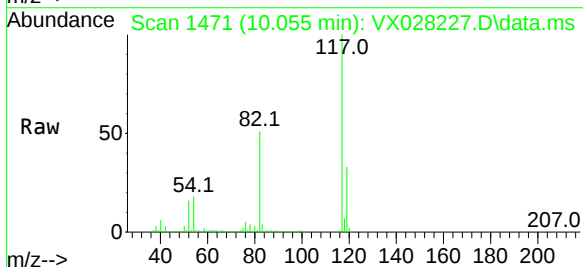
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#09

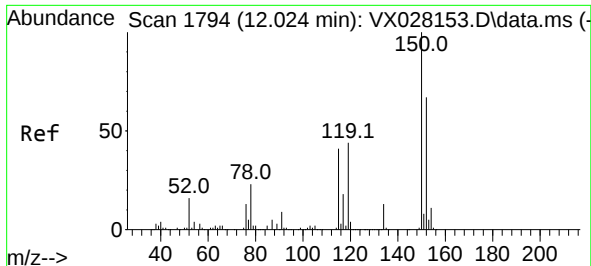
Tgt Ion: 95 Resp: 284181
Ion Ratio Lower Upper
95 100
174 82.9 0.0 163.0
176 80.6 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

Tgt Ion: 117 Resp: 650443
Ion Ratio Lower Upper
117 100
82 51.2 41.8 62.8
119 32.8 24.8 37.2

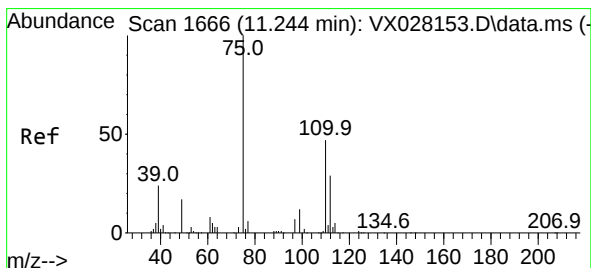
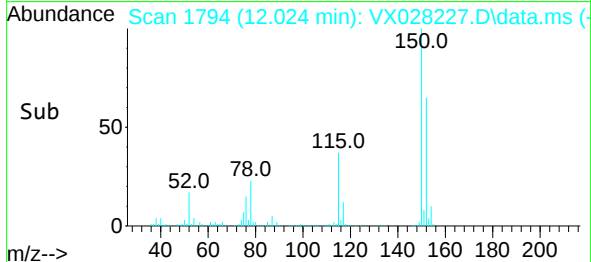
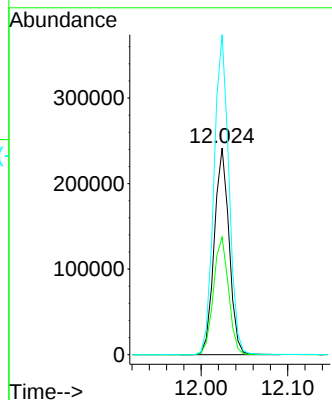
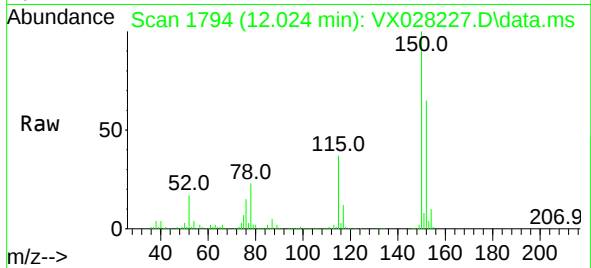




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028227.D
 Acq: 21 Apr 2022 03:48

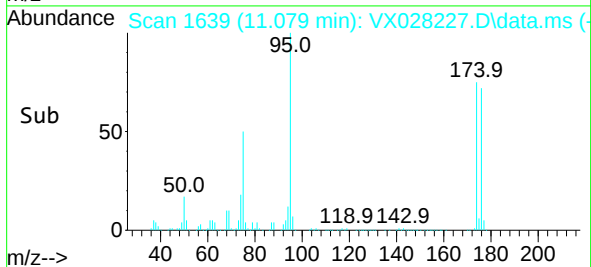
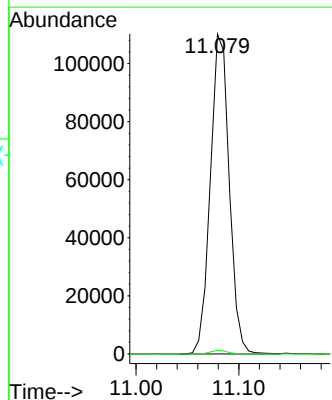
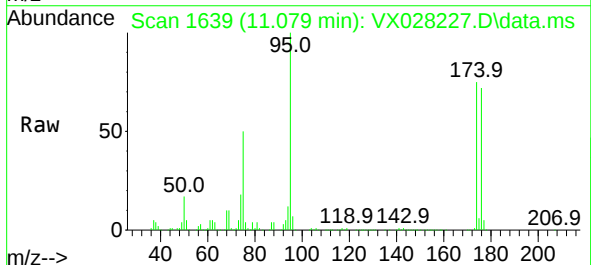
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231ZHE#09

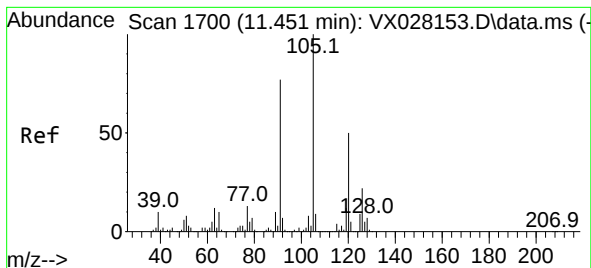
Tgt Ion:152 Resp: 287340
 Ion Ratio Lower Upper
 152 100
 115 57.8 37.5 112.7
 150 156.3 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 24.936 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028227.D
 Acq: 21 Apr 2022 03:48

Tgt Ion: 75 Resp: 141013
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.4 58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.229 ug/l

RT: 11.457 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX028227.D

Acq: 21 Apr 2022 03:48

Instrument :

MSVOA_X

ClientSampleId :

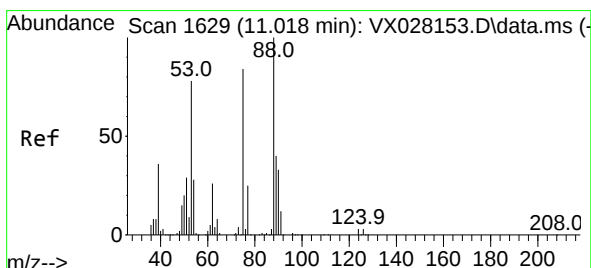
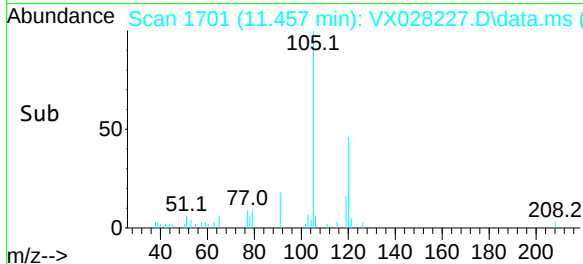
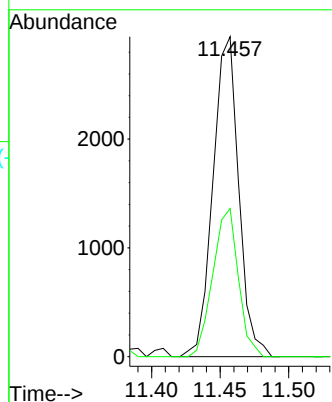
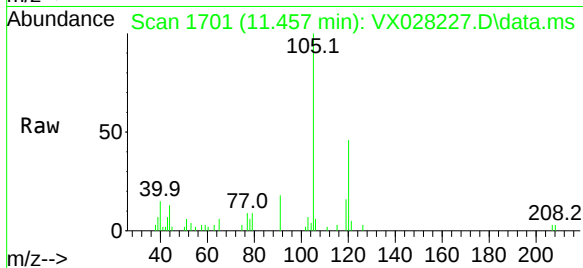
PB144231ZHE#09

Tgt Ion:105 Resp: 3839

Ion Ratio Lower Upper

105 100

120 45.9 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 74.103 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028227.D

Acq: 21 Apr 2022 03:48

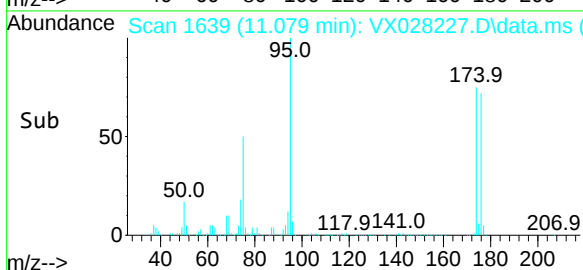
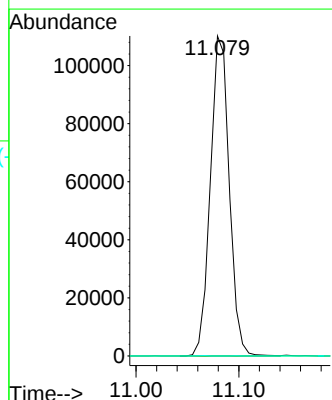
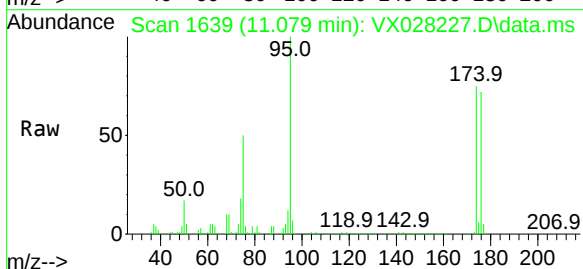
Tgt Ion: 75 Resp: 141013

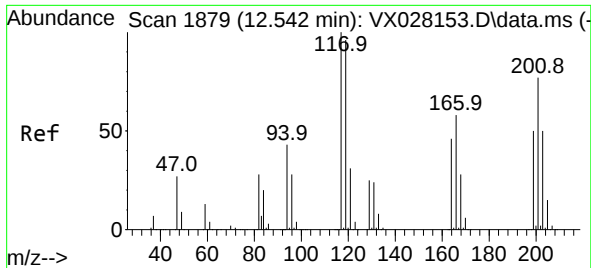
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

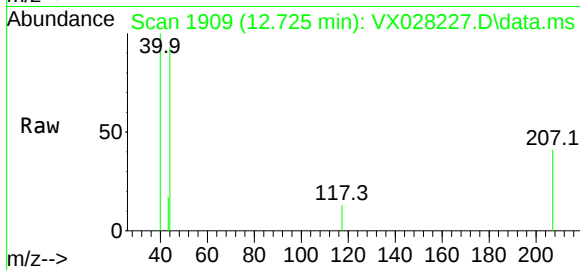
89 0.0 37.0 55.6#





#90
Hexachloroethane
Concen: 1.821 ug/l
RT: 12.725 min Scan# 1909
Delta R.T. 0.183 min
Lab File: VX028227.D
Acq: 21 Apr 2022 03:48

Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#09



Tgt Ion:117 Resp: 23
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

