

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028222.D
 Acq On : 21 Apr 2022 01:52
 Operator : JC/MD
 Sample : PB144231ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231ZHE#04

Quant Time: Apr 21 06:21:04 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

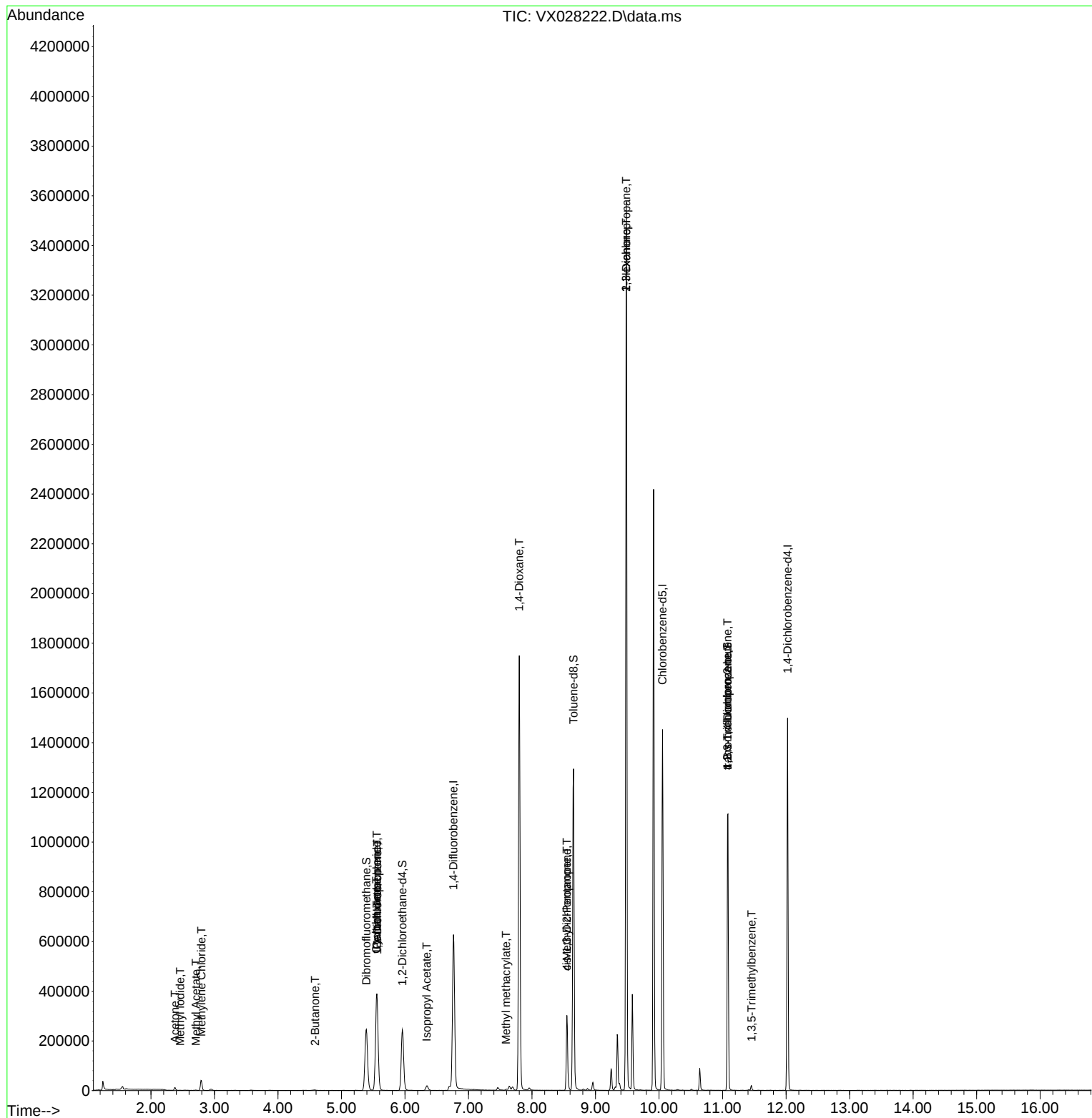
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	379632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	664392	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	672237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	307182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	234108	47.295	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.580%
35) Dibromofluoromethane	5.391	113	214995	46.143	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.280%
50) Toluene-d8	8.653	98	799769	44.691	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	89.380%
62) 4-Bromofluorobenzene	11.079	95	297981	43.548	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.100%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	416	Below Cal	#	73
5) Bromomethane	1.617	94	800	Below Cal	#	75
6) Chloroethane	1.630	64	620	Below Cal	#	43
8) Diethyl Ether	2.136	74	29	Below Cal	#	1
10) Methyl Iodide	2.459	142	514	5.344	ug/l #	94
11) Tert butyl alcohol	2.940	59	3237	Below Cal	#	72
16) Acetone	2.380	43	12006	6.582	ug/l	95
18) Methyl Acetate	2.709	43	2152	0.489	ug/l	96
20) Methylene Chloride	2.794	84	19277	5.249	ug/l	94
25) 2-Butanone	4.586	43	2284	0.779	ug/l	96
31) Cyclohexane	5.550	56	7032	1.166	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	27838	4.580	ug/l #	50
38) Carbon Tetrachloride	5.556	117	38348	5.589	ug/l #	16
43) Isopropyl Acetate	6.342	43	25932	2.584	ug/l	98
48) Methyl methacrylate	7.592	41	7042	1.528	ug/l #	7
49) 1,4-Dioxane	7.799	88	312	2.531	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	98315	15.265	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	51935	6.931	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	33553	4.140	ug/l #	43
59) 2-Hexanone	9.482	43	375977	75.360	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	149323	24.700	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	8294	0.463	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	149323	73.401	ug/l #	15

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

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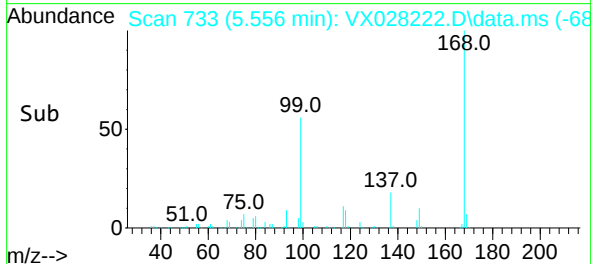
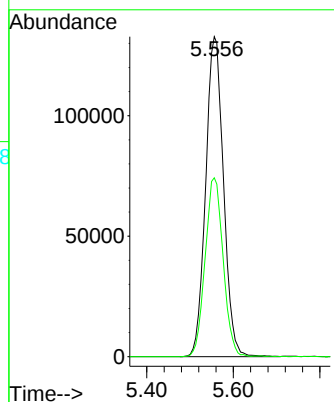
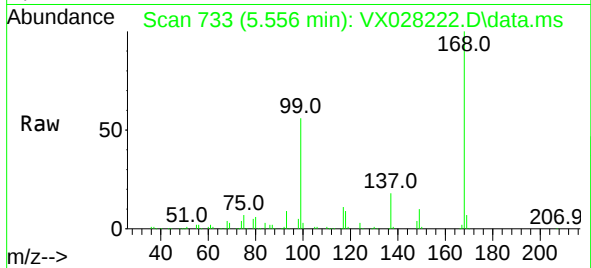




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

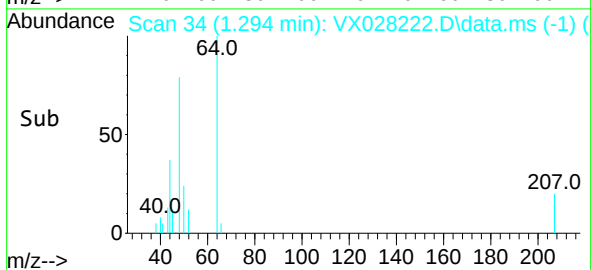
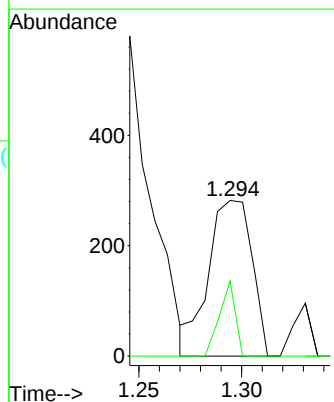
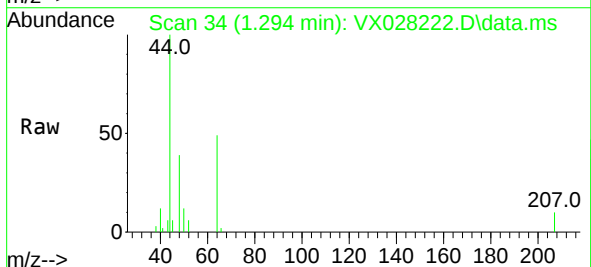
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#04

Tgt Ion:168 Resp: 379632
Ion Ratio Lower Upper
168 100
99 55.9 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

Tgt Ion: 50 Resp: 416
Ion Ratio Lower Upper
50 100
52 48.2 26.4 39.6#

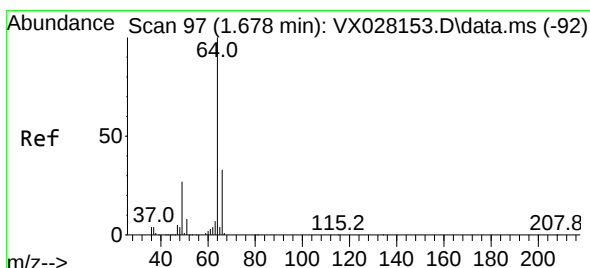
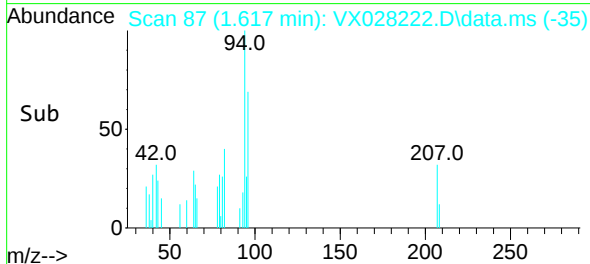
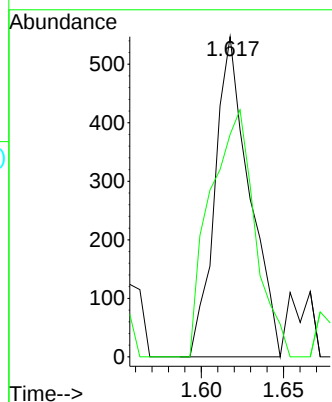
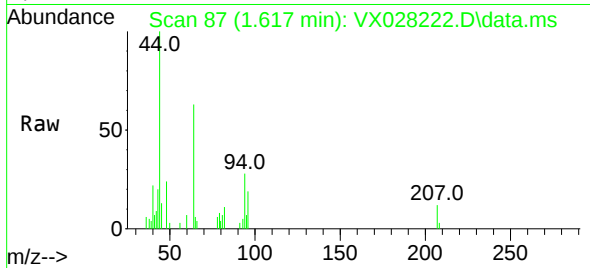




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

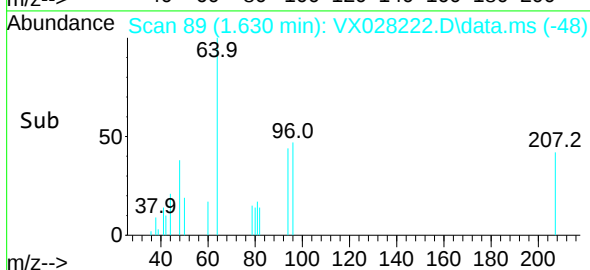
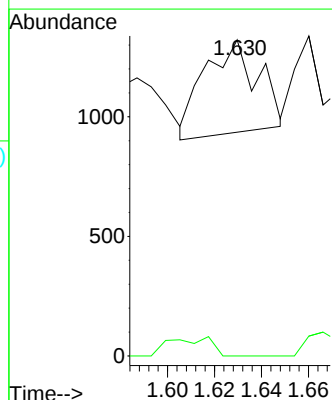
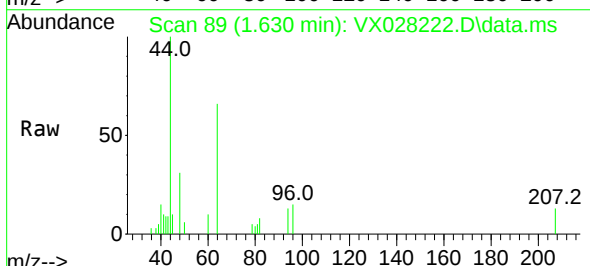
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ClientSampleId :
PB144231ZHE#04

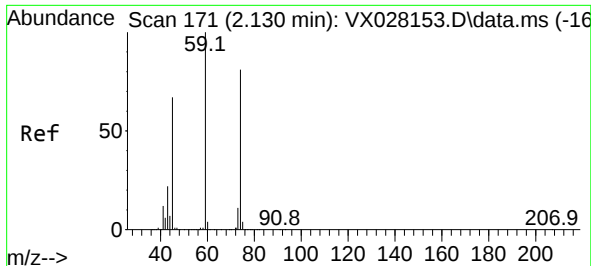
Tgt Ion: 94 Resp: 800
Ion Ratio Lower Upper
94 100
96 69.5 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.630 min Scan# 89
Delta R.T. -0.048 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

Tgt Ion: 64 Resp: 620
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

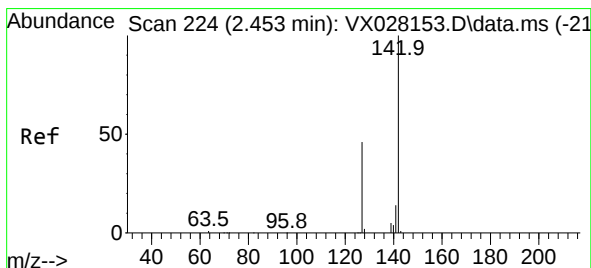
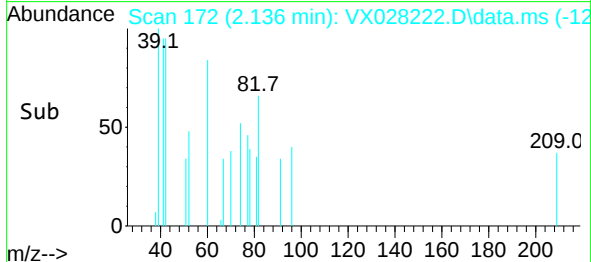
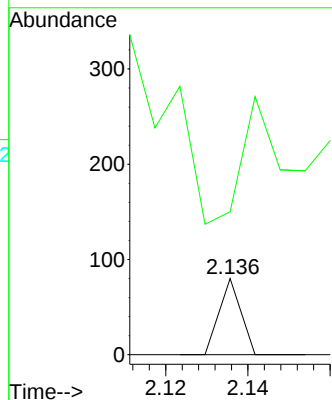
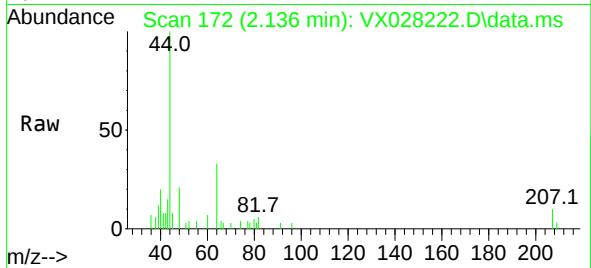




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

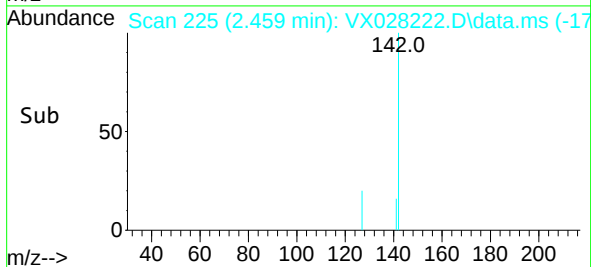
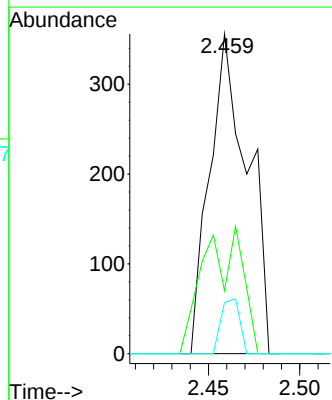
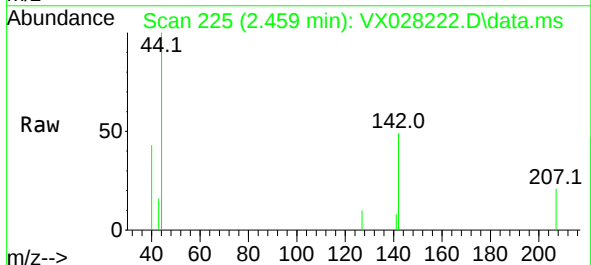
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#04

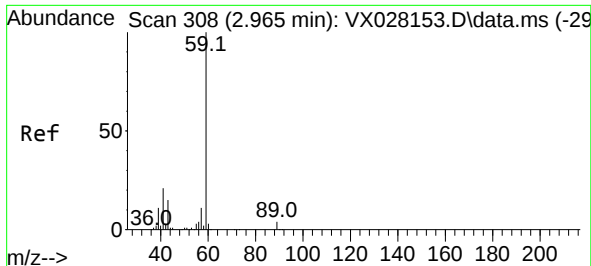
Tgt Ion: 74 Resp: 29
Ion Ratio Lower Upper
74 100
45 262.1 42.0 126.0#



#10
Methyl Iodide
Concen: 5.344 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

Tgt Ion:142 Resp: 514
Ion Ratio Lower Upper
142 100
127 40.5 33.9 50.9
141 8.4 11.4 17.2#

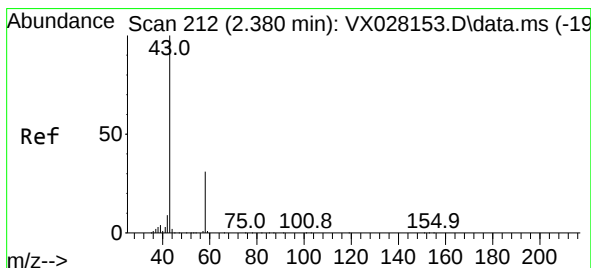
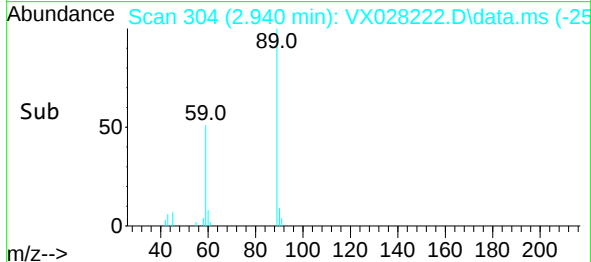
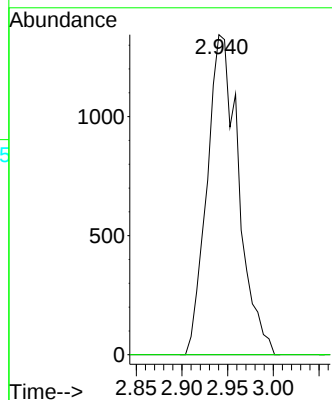
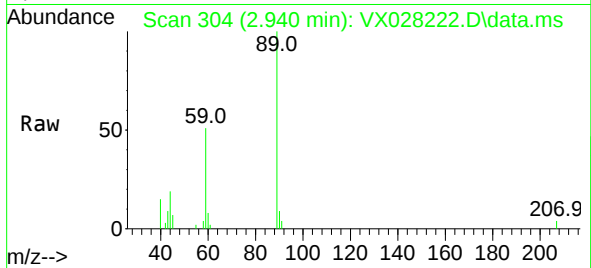




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 308
Delta R.T. -0.025 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

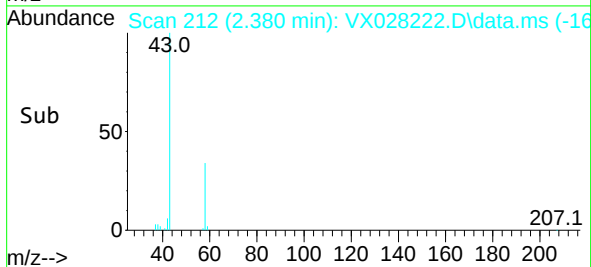
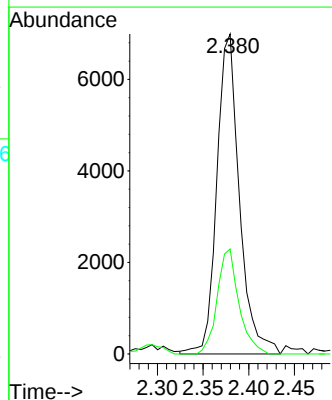
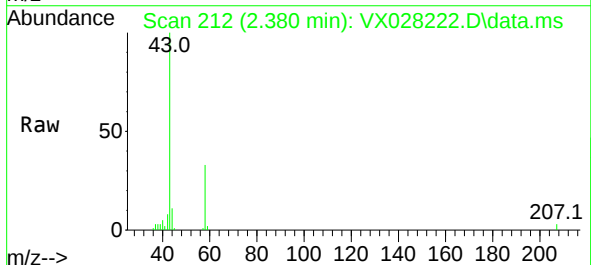
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#04

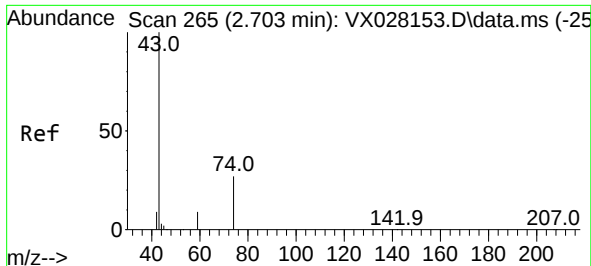
Tgt Ion: 59 Resp: 3237
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 6.582 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

Tgt Ion: 43 Resp: 12006
Ion Ratio Lower Upper
43 100
58 32.8 28.8 43.2

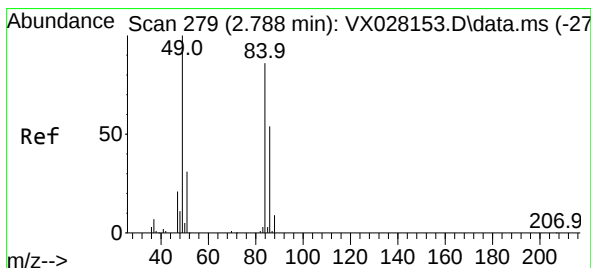
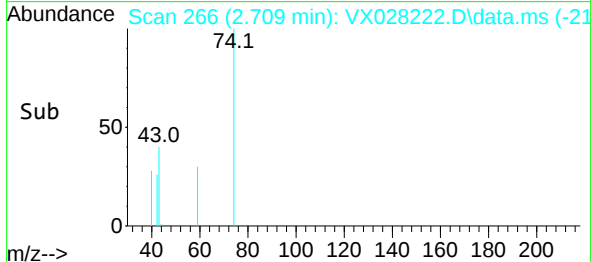
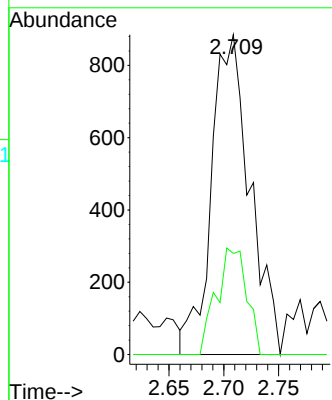
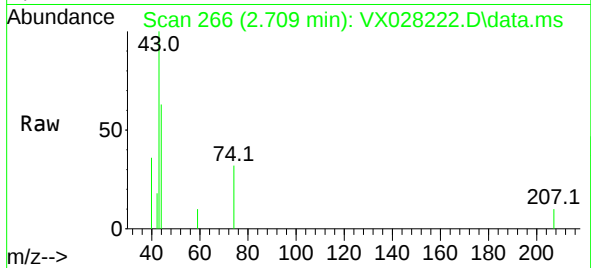




#18
Methyl Acetate
Concen: 0.489 ug/l
RT: 2.709 min Scan# 2152
Delta R.T. 0.006 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

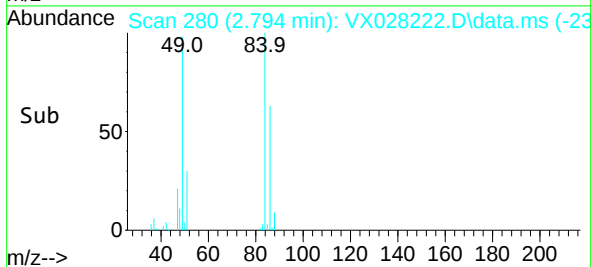
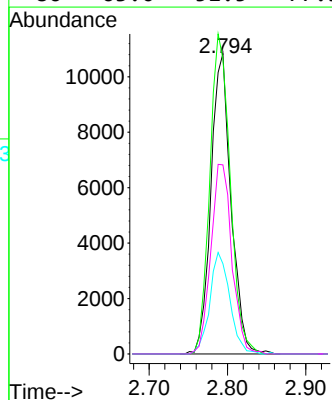
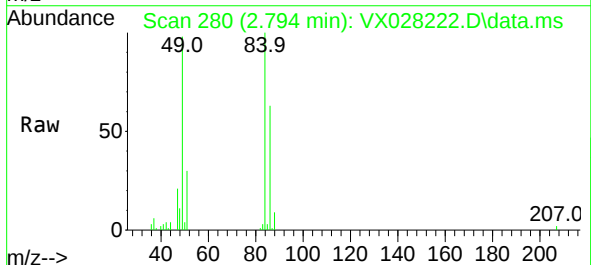
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PB144231ZHE#04

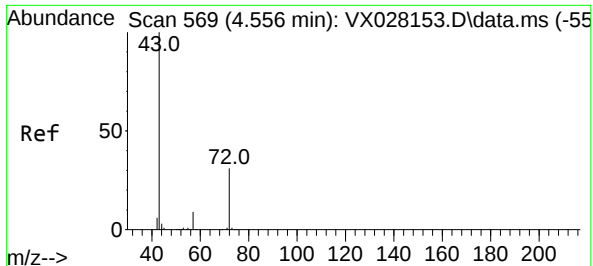
Tgt Ion: 43 Resp: 2152
Ion Ratio Lower Upper
43 100
74 26.3 22.8 34.2



#20
Methylene Chloride
Concen: 5.249 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

Tgt Ion: 84 Resp: 19277
Ion Ratio Lower Upper
84 100
49 98.2 85.5 128.3
51 30.1 26.6 39.8
86 63.0 51.5 77.3





#25

2-Butanone

Concen: 0.779 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX028222.D

Acq: 21 Apr 2022 01:52

Instrument :

MSVOA_X

ClientSampleId :

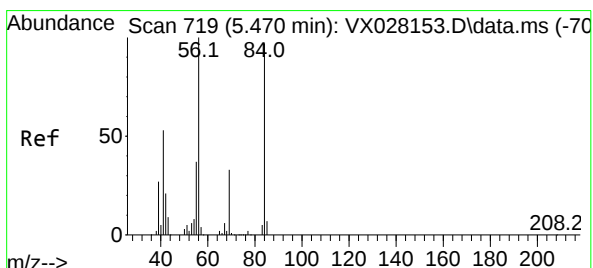
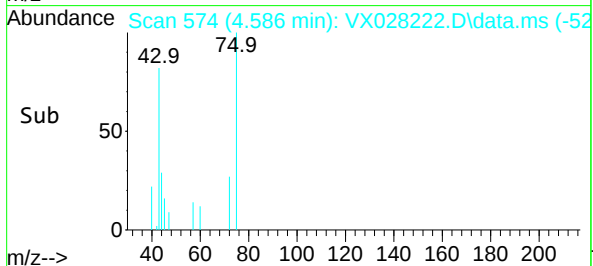
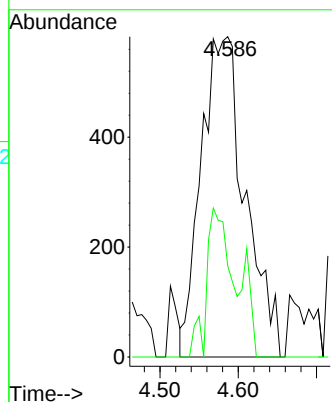
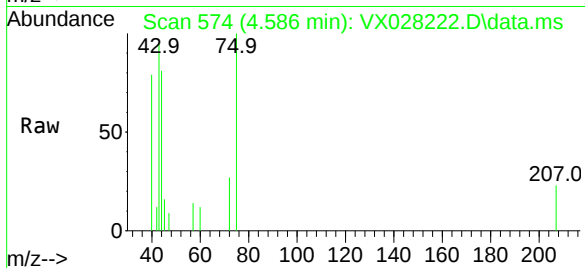
PB144231ZHE#04

Tgt Ion: 43 Resp: 2284

Ion Ratio Lower Upper

43 100

72 28.5 24.4 36.6



#31

Cyclohexane

Concen: 1.166 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX028222.D

Acq: 21 Apr 2022 01:52

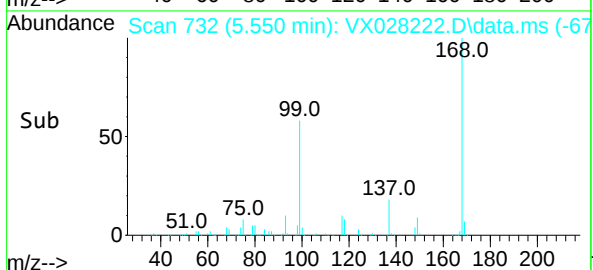
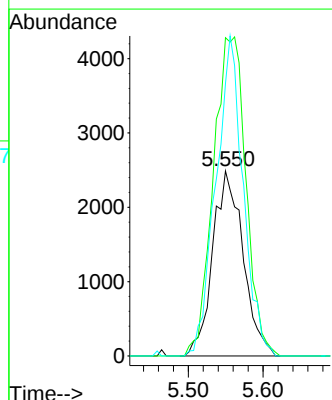
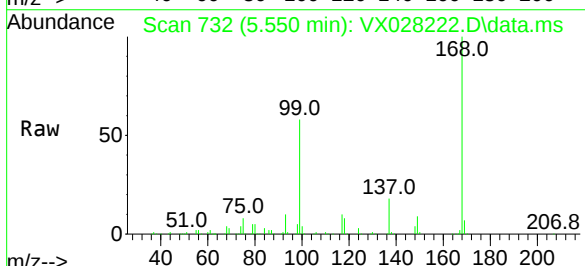
Tgt Ion: 56 Resp: 7032

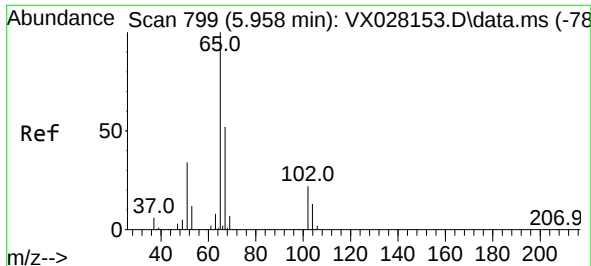
Ion Ratio Lower Upper

56 100

69 172.0 26.7 40.1#

84 147.3 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 47.295 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028222.D

Acq: 21 Apr 2022 01:52

Instrument :

MSVOA_X

ClientSampleId :

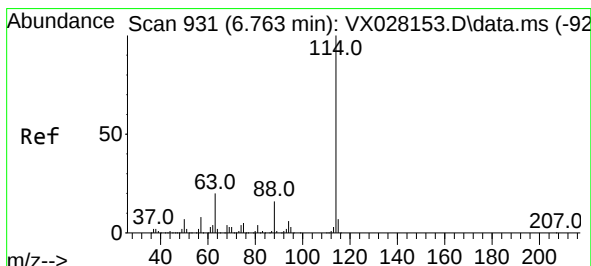
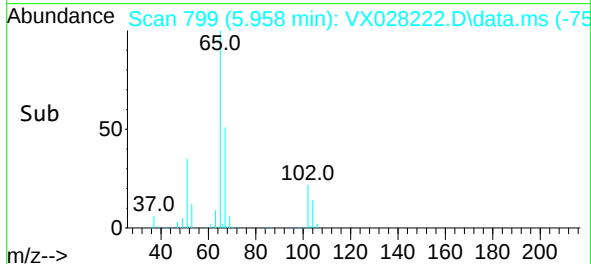
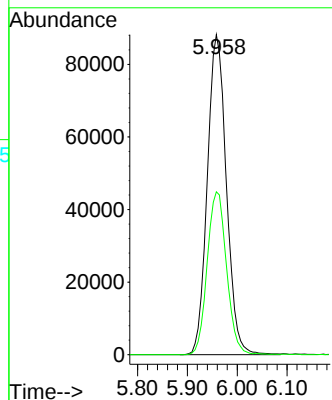
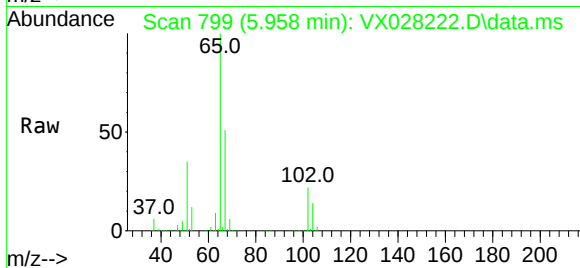
PB144231ZHE#04

Tgt Ion: 65 Resp: 234108

Ion Ratio Lower Upper

65 100

67 51.7 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: VX028222.D

Acq: 21 Apr 2022 01:52

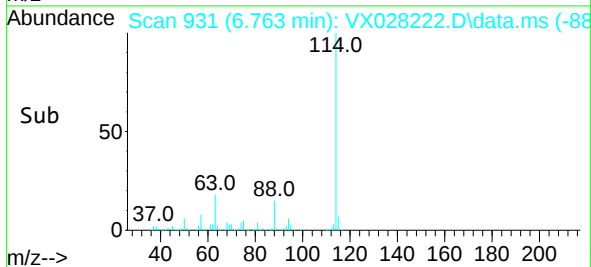
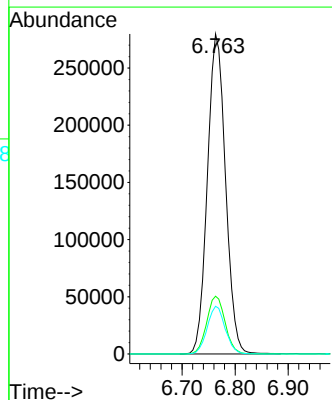
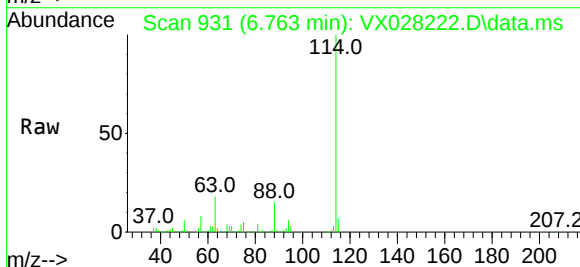
Tgt Ion: 114 Resp: 664392

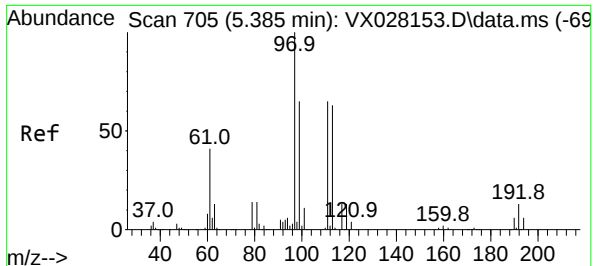
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 14.9 0.0 32.4

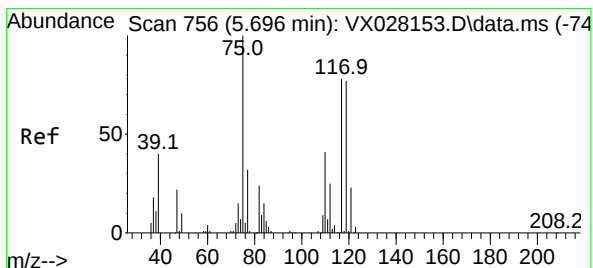
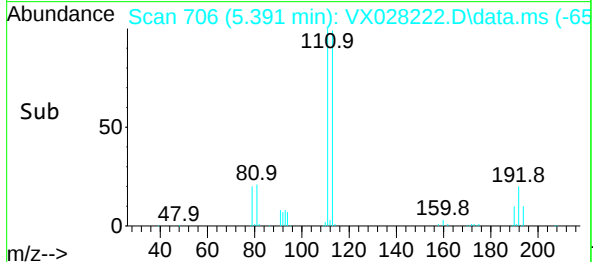
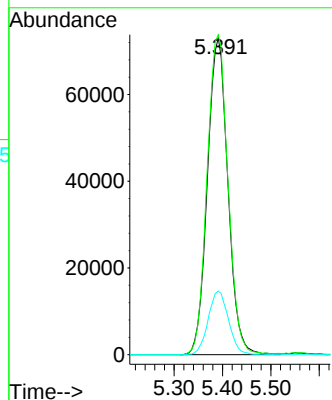
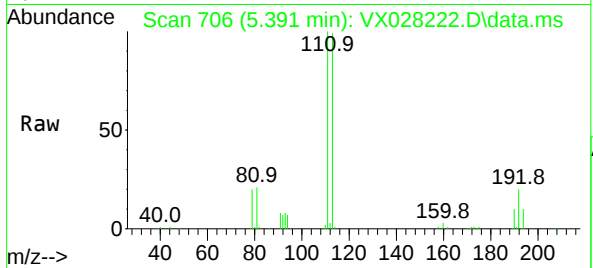




#35
Dibromofluoromethane
Concen: 46.143 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

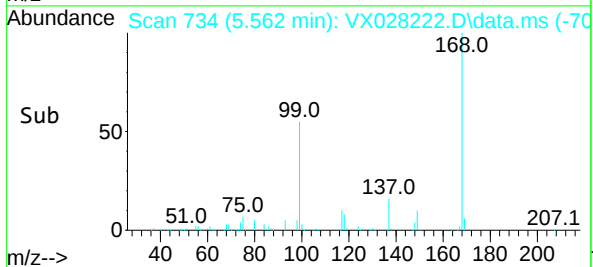
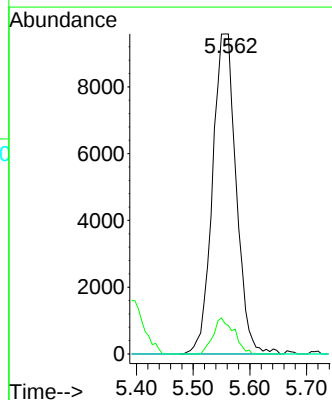
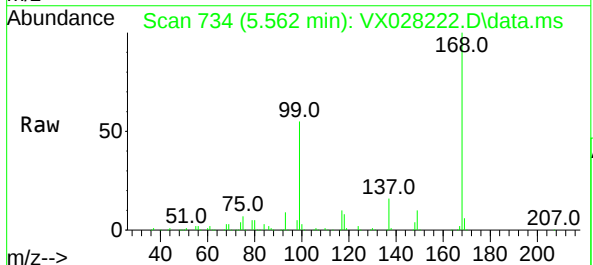
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#04

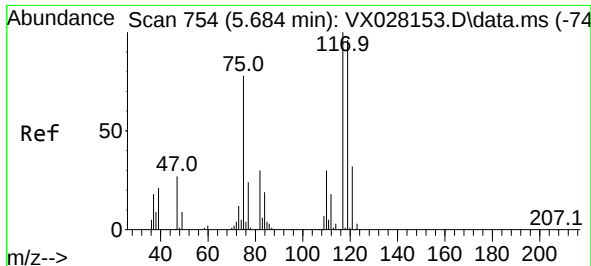
Tgt Ion:113 Resp: 214995
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.580 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

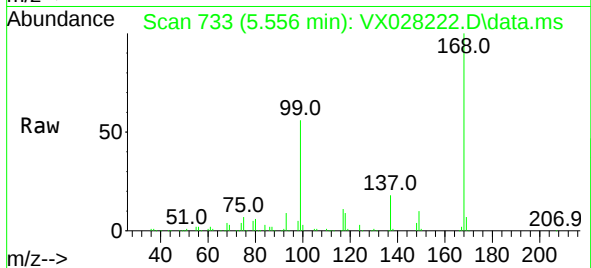
Tgt Ion: 75 Resp: 27838
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 24.8 37.2#



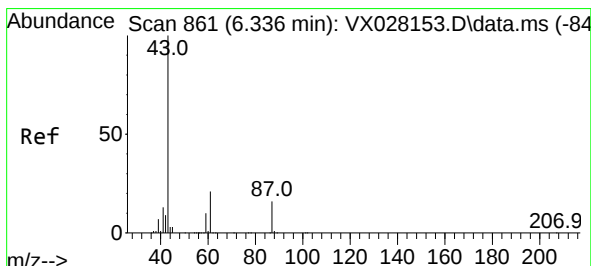
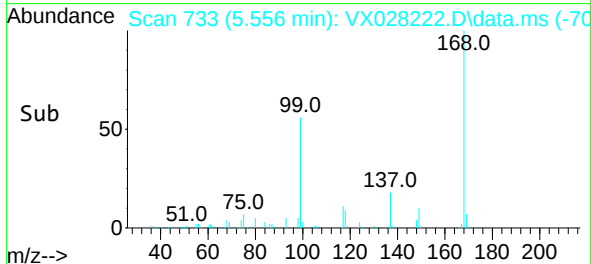
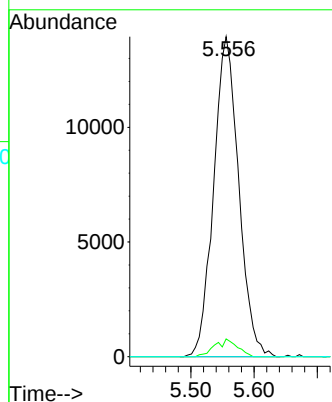


#38
Carbon Tetrachloride
Concen: 5.589 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#04

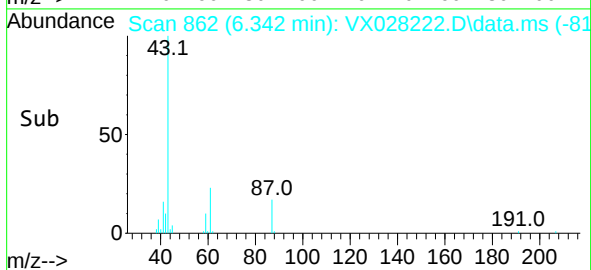
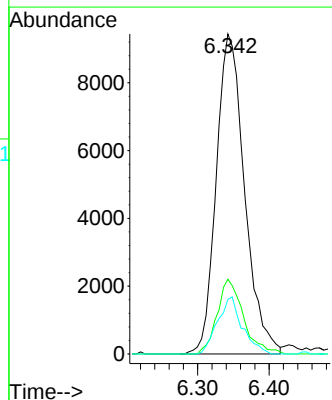
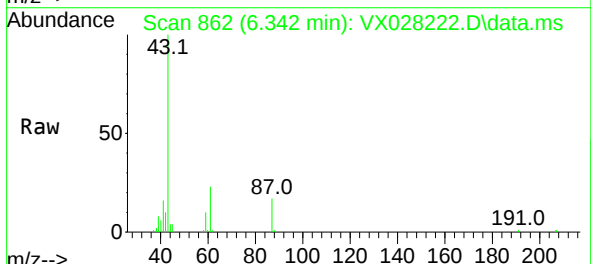


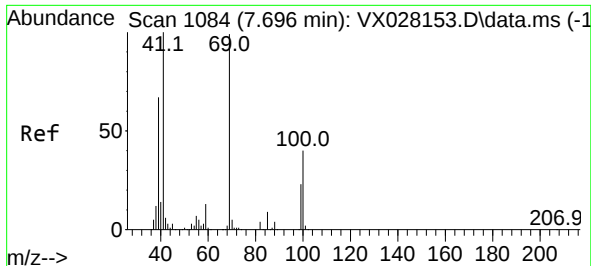
Tgt Ion:117 Resp: 38348
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.584 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

Tgt Ion: 43 Resp: 25932
Ion Ratio Lower Upper
43 100
61 21.6 18.5 27.7
87 15.6 13.0 19.6





#48

Methyl methacrylate

Concen: 1.528 ug/l

RT: 7.592 min Scan# 1100

Delta R.T. -0.104 min

Lab File: VX028222.D

Acq: 21 Apr 2022 01:52

Instrument :

MSVOA_X

ClientSampleId :

PB144231ZHE#04

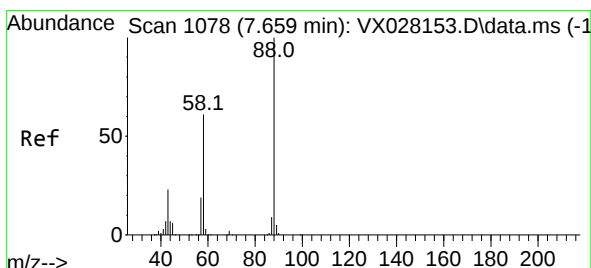
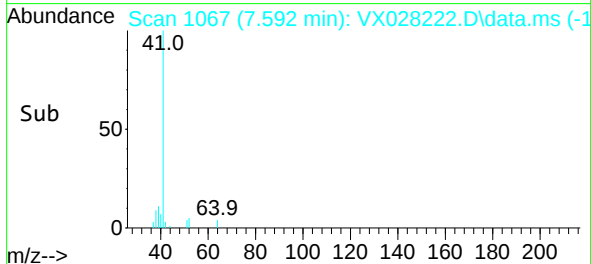
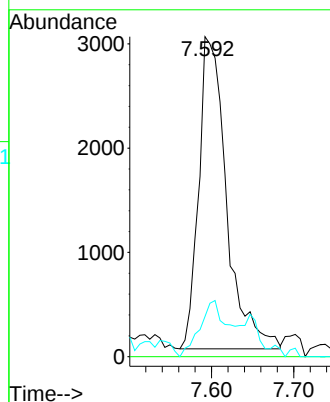
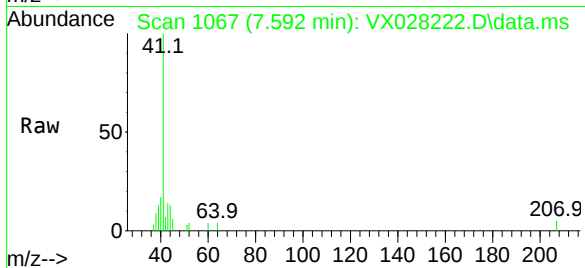
Tgt Ion: 41 Resp: 7042

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: 2.531 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028222.D

Acq: 21 Apr 2022 01:52

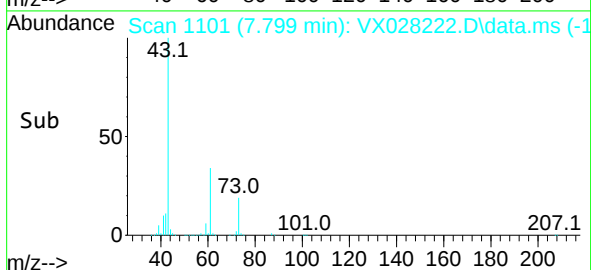
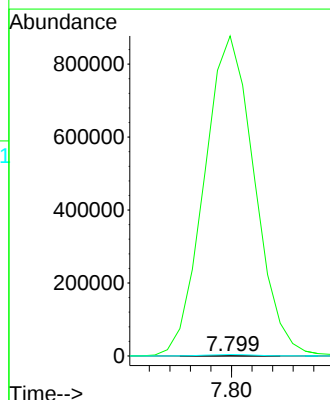
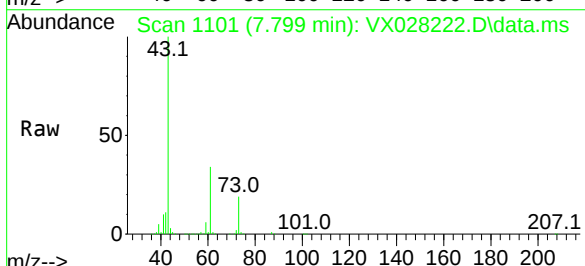
Tgt Ion: 88 Resp: 312

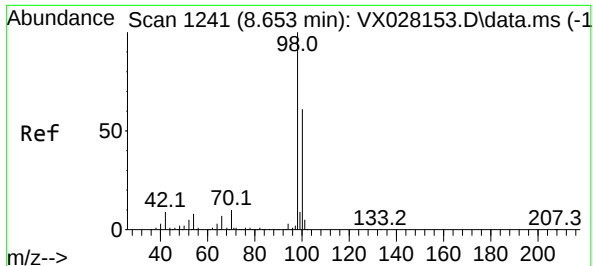
Ion Ratio Lower Upper

88 100

43 480710.3 21.9 32.9#

58 2154.5 53.7 80.5#

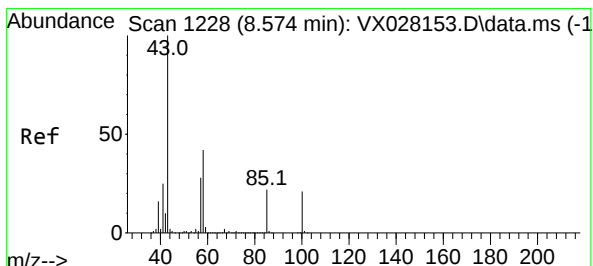
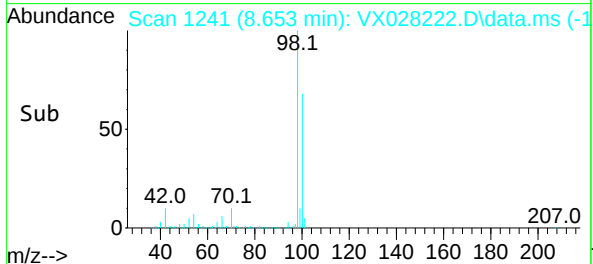
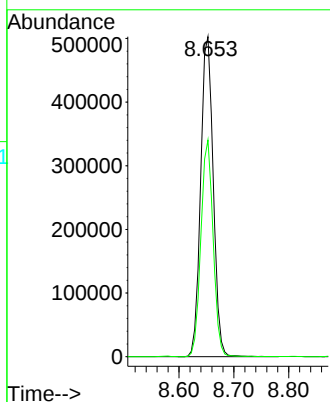
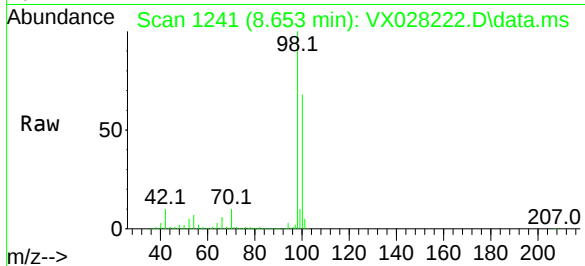




#50
Toluene-d8
Concen: 44.691 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

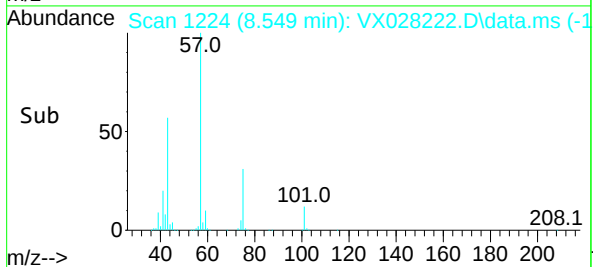
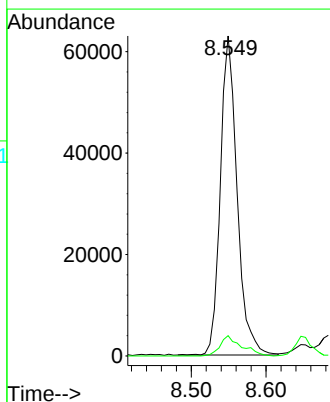
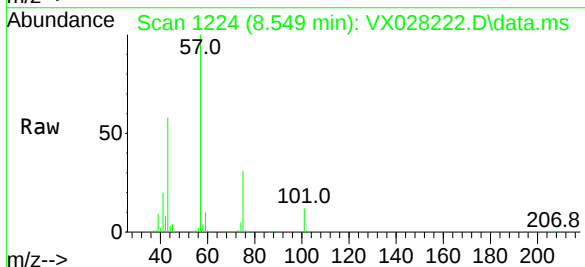
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#04

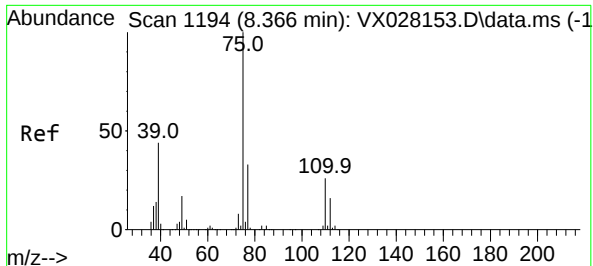
Tgt Ion: 98 Resp: 799769
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.265 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

Tgt Ion: 43 Resp: 98315
Ion Ratio Lower Upper
43 100
58 8.1 36.1 54.1#

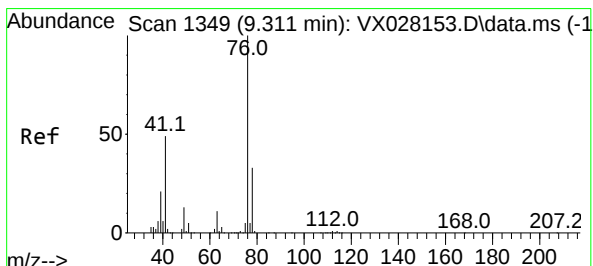
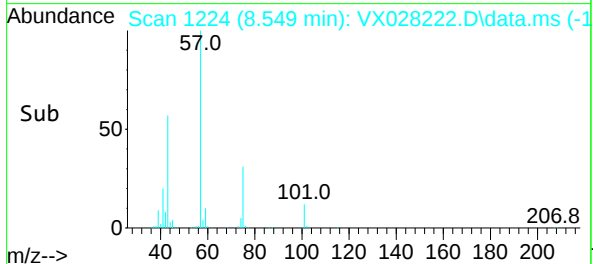
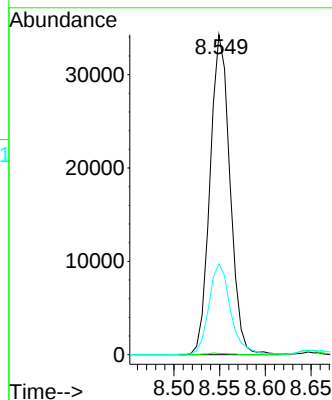
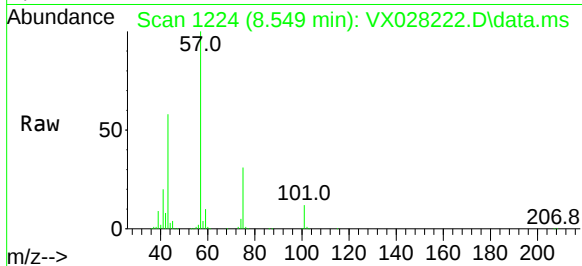




#54
 cis-1,3-Dichloropropene
 Concen: 6.931 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028222.D
 Acq: 21 Apr 2022 01:52

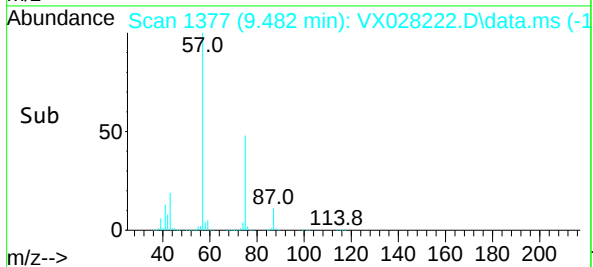
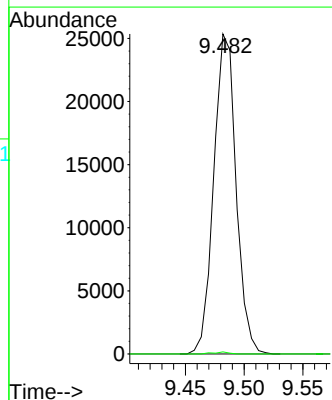
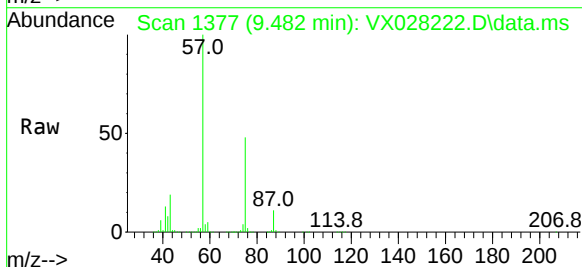
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231ZHE#04

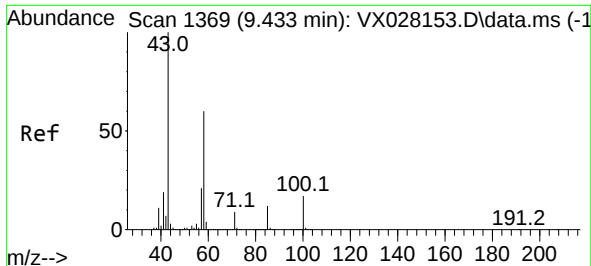
Tgt Ion: 75 Resp: 51935
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.8 37.2#
 39 28.2 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.140 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028222.D
 Acq: 21 Apr 2022 01:52

Tgt Ion: 76 Resp: 33553
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.8 38.8#

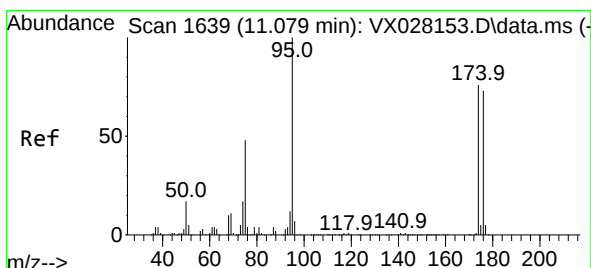
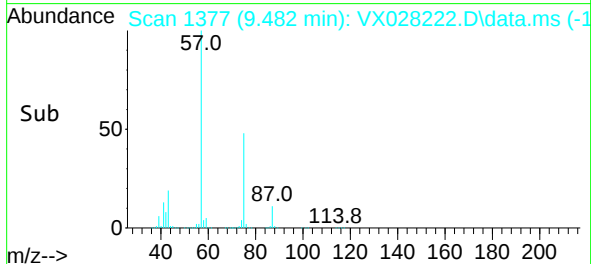
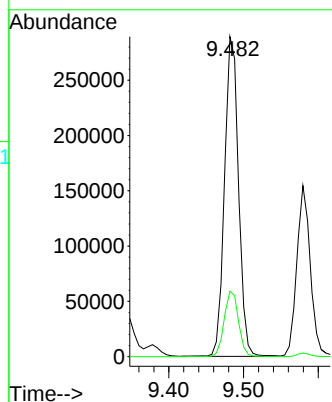
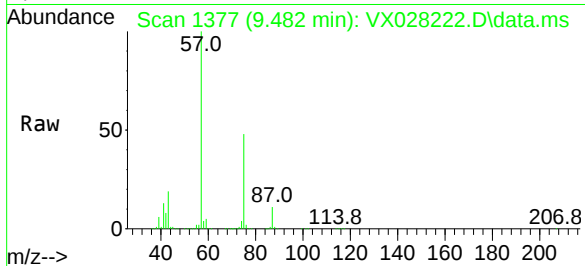




#59
2-Hexanone
Concen: 75.360 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

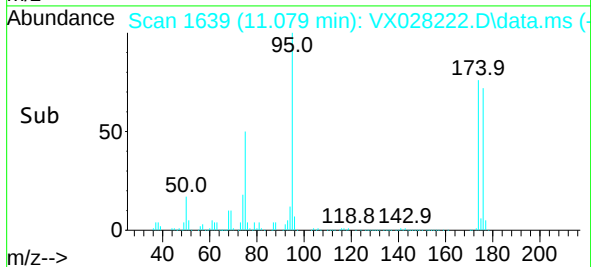
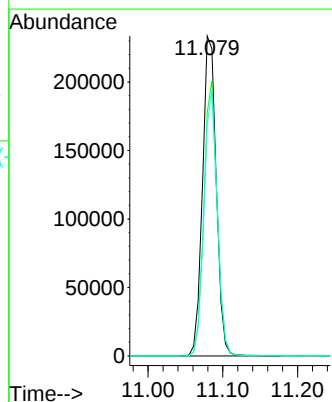
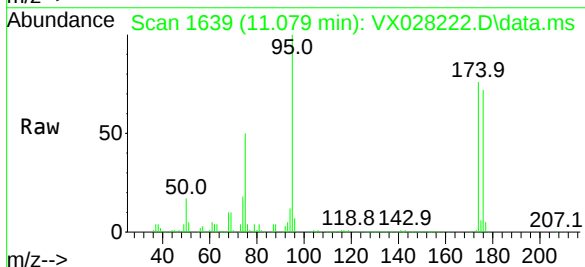
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#04

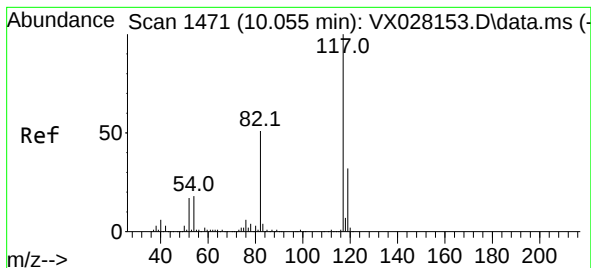
Tgt Ion: 43 Resp: 375977
Ion Ratio Lower Upper
43 100
58 21.2 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 43.548 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

Tgt Ion: 95 Resp: 297981
Ion Ratio Lower Upper
95 100
174 82.9 0.0 163.0
176 81.0 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: VX028222.D

Acq: 21 Apr 2022 01:52

Instrument :

MSVOA_X

ClientSampleId :

PB144231ZHE#04

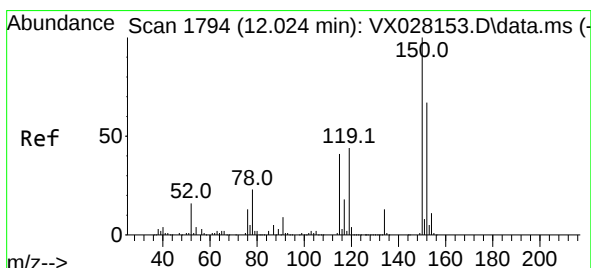
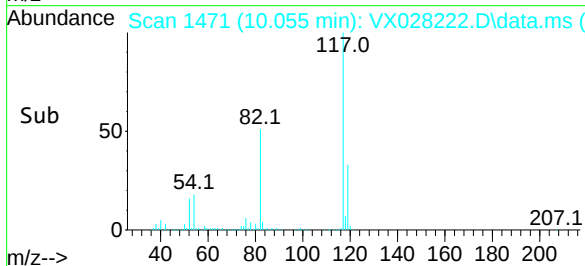
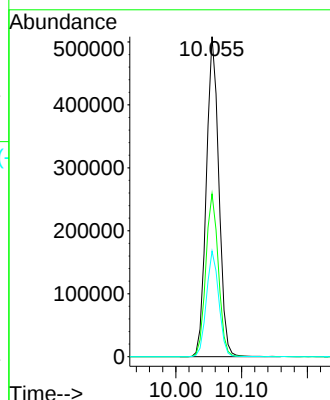
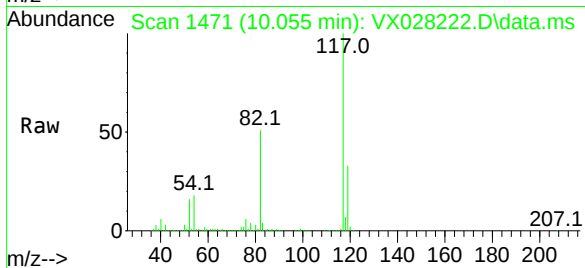
Tgt Ion:117 Resp: 672237

Ion Ratio Lower Upper

117 100

82 50.9 41.8 62.8

119 33.0 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: VX028222.D

Acq: 21 Apr 2022 01:52

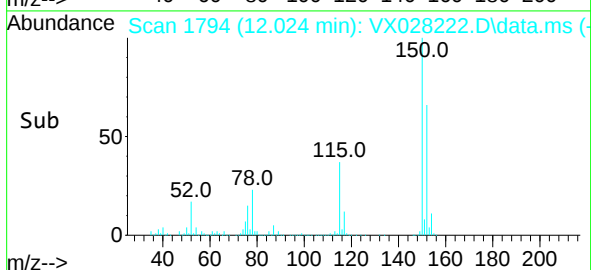
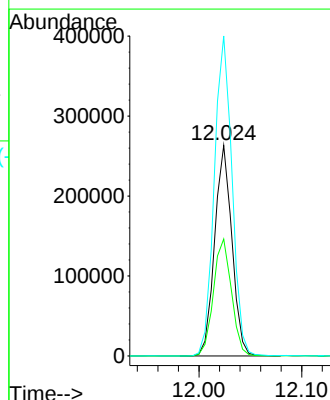
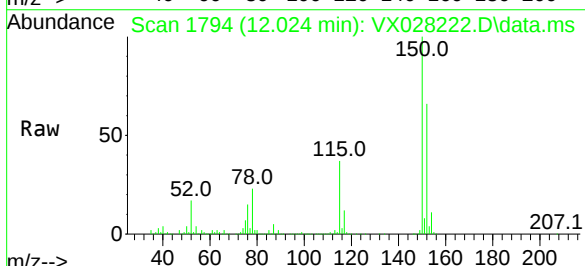
Tgt Ion:152 Resp: 307182

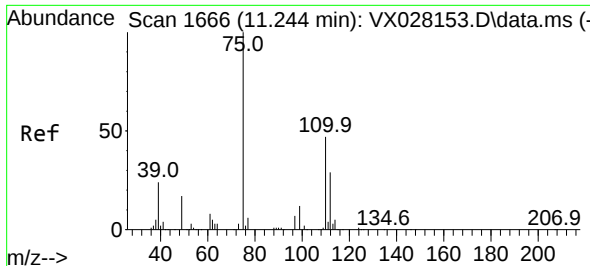
Ion Ratio Lower Upper

152 100

115 58.0 37.5 112.7

150 156.3 0.0 338.2

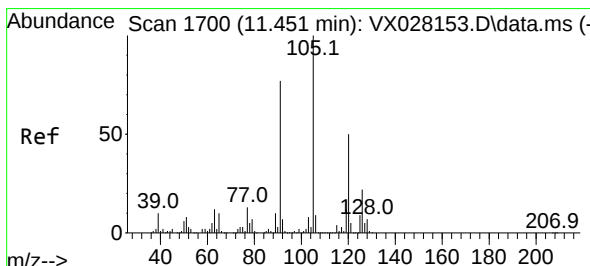
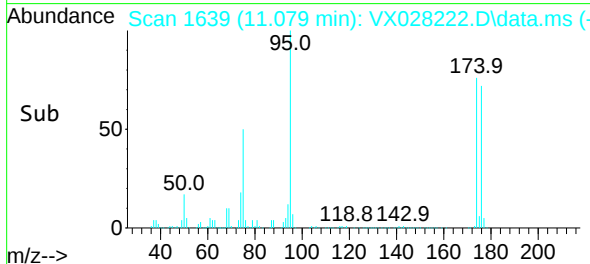
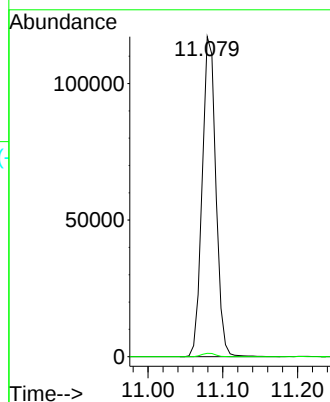
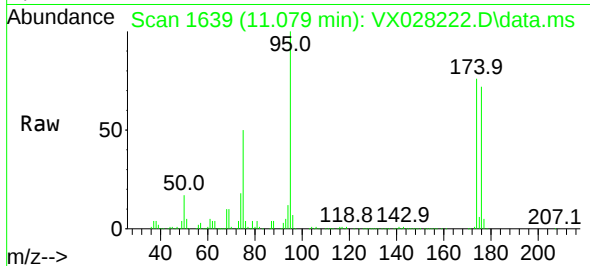




#76
1,2,3-Trichloropropane
Concen: 24.700 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

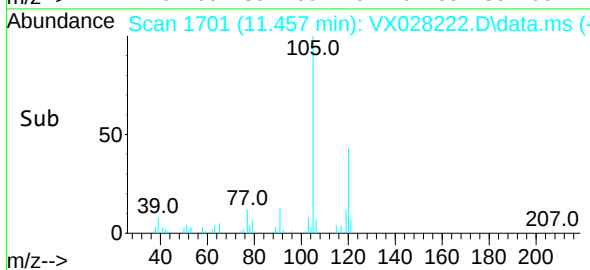
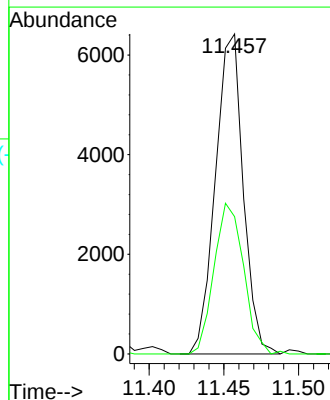
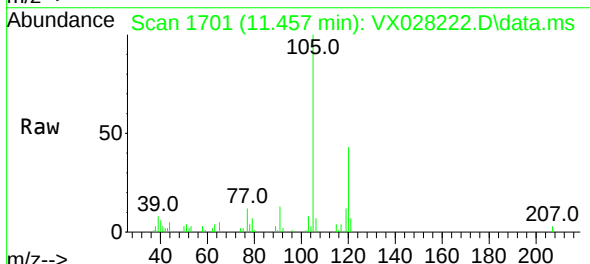
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#04

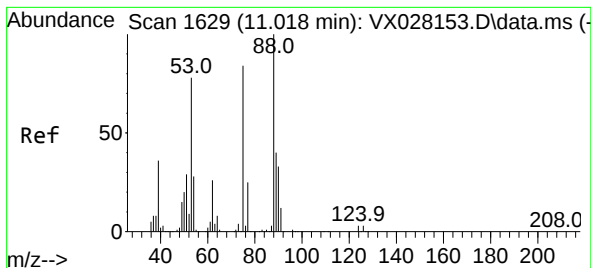
Tgt Ion: 75 Resp: 149323
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.463 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX028222.D
Acq: 21 Apr 2022 01:52

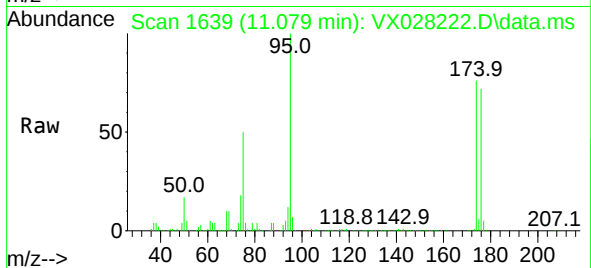
Tgt Ion: 105 Resp: 8294
Ion Ratio Lower Upper
105 100
120 50.0 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.401 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028222.D
 Acq: 21 Apr 2022 01:52

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231ZHE#04



Tgt Ion: 75 Resp: 149323
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

