

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028591.D
 Acq On : 10 May 2022 13:39
 Operator : JC/MD
 Sample : PB144702ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#04

Quant Time: May 11 06:59:23 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)

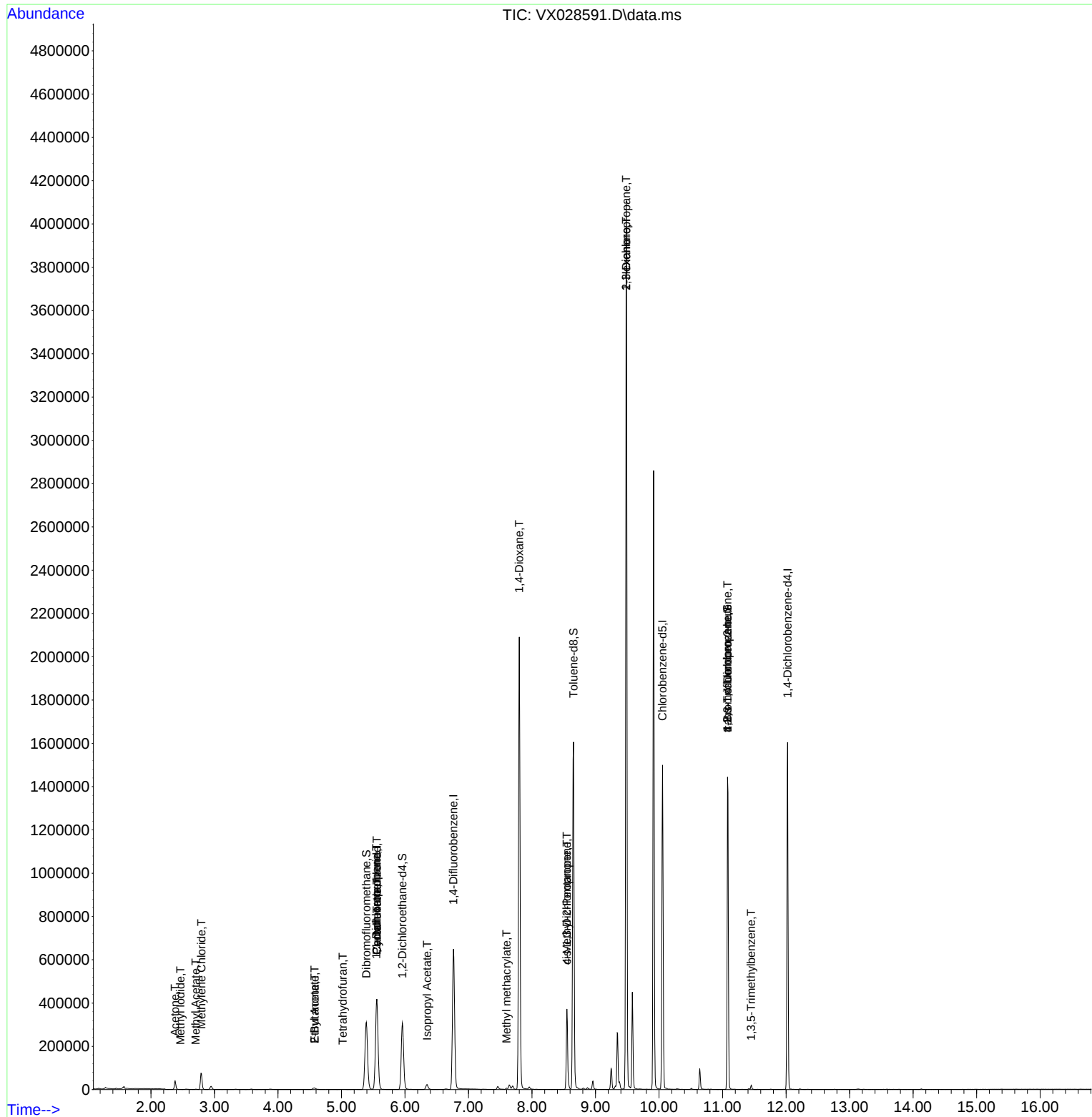
Internal Standards						
1) Pentafluorobenzene	5.556	168	413193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	704115	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	693809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	341434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	289144	53.669	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 107.340%	
35) Dibromofluoromethane	5.391	113	269898	54.658	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 109.320%	
50) Toluene-d8	8.653	98	985496	51.963	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.920%	
62) 4-Bromofluorobenzene	11.079	95	370126	51.040	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	613	Below Cal	#	42
5) Bromomethane	1.587	94	117	Below Cal	#	3
6) Chloroethane	1.660	64	708	Below Cal	#	43
8) Diethyl Ether	2.142	74	49	Below Cal	#	7
10) Methyl Iodide	2.465	142	545	5.341	ug/l #	78
11) Tert butyl alcohol	2.953	59	8357	Below Cal	#	72
16) Acetone	2.380	43	40346	23.252	ug/l	100
18) Methyl Acetate	2.703	43	2094	0.437	ug/l #	87
20) Methylene Chloride	2.794	84	36871	9.224	ug/l	97
25) 2-Butanone	4.574	43	8469	2.654	ug/l	100
29) Tetrahydrofuran	5.019	42	702	0.337	ug/l #	63
31) Cyclohexane	5.556	56	7907	1.205	ug/l #	7
36) 1,1-Dichloropropene	5.550	75	28173	4.374	ug/l #	49
37) Ethyl Acetate	4.574	43	8469	1.296	ug/l #	66
38) Carbon Tetrachloride	5.556	117	40813	5.613	ug/l #	16
43) Isopropyl Acetate	6.348	43	30294	2.848	ug/l	98
48) Methyl methacrylate	7.598	41	8673	1.776	ug/l #	7
49) 1,4-Dioxane	7.799	88	347	2.656	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	118581	17.373	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	62966	7.929	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	40018	4.659	ug/l #	43
59) 2-Hexanone	9.482	43	445493	84.257	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	183846	27.359	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	8307	0.417	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	183846	81.305	ug/l #	15

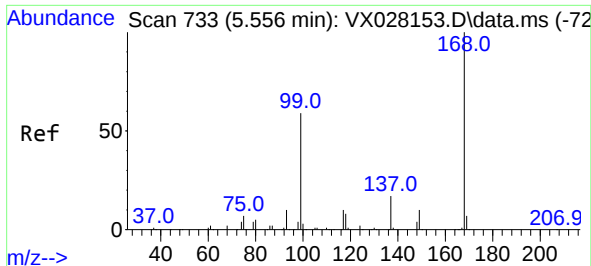
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: May 11 06:59:23 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

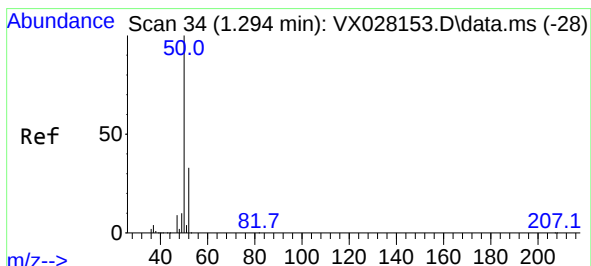
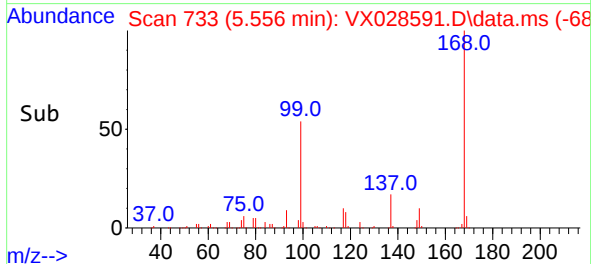
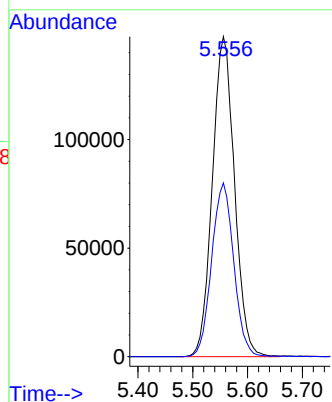
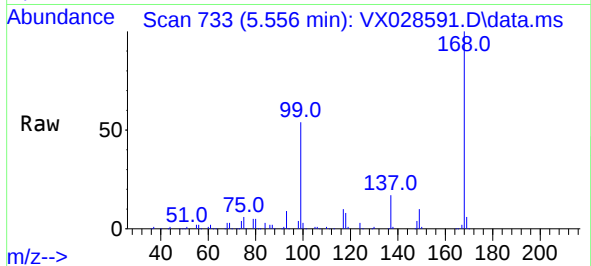




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

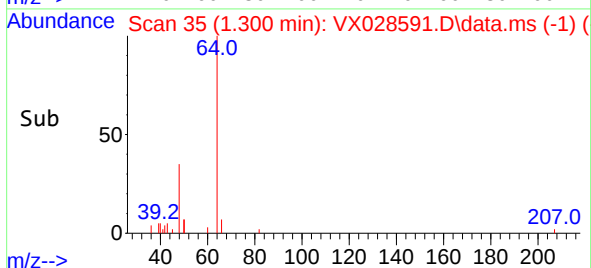
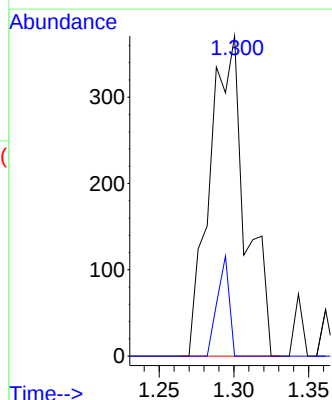
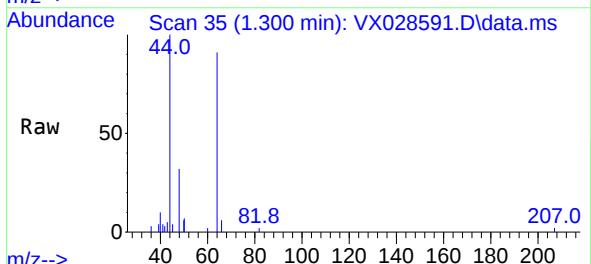
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#04

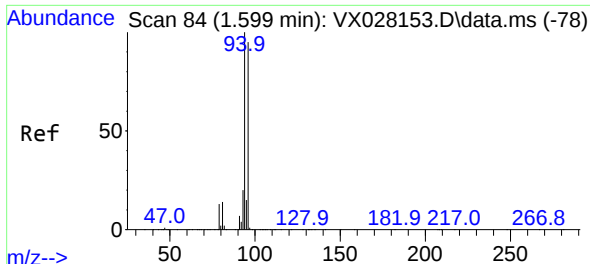
Tgt Ion:168 Resp: 413193
Ion Ratio Lower Upper
168 100
99 54.3 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

Tgt Ion: 50 Resp: 613
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

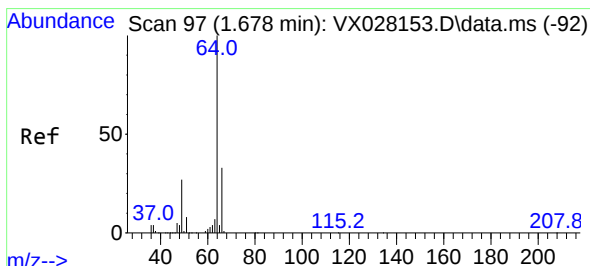
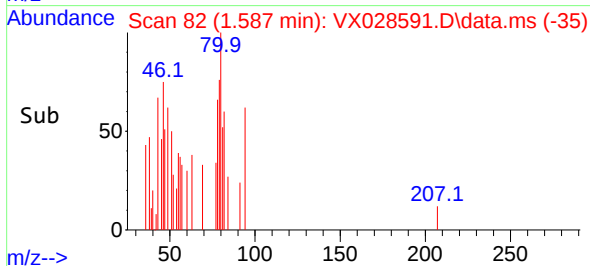
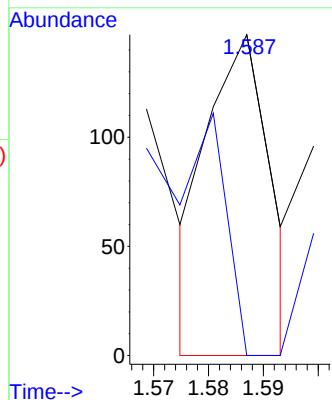
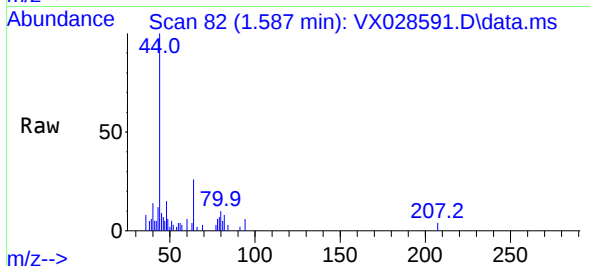




#5
Bromomethane
Concen: Below Cal
RT: 1.587 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

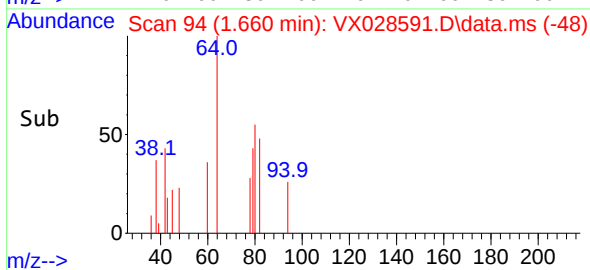
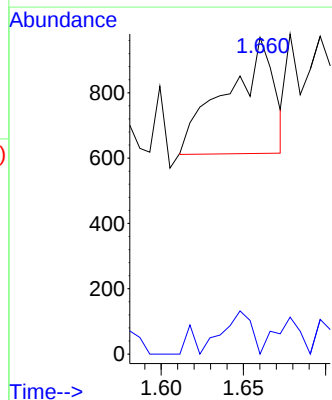
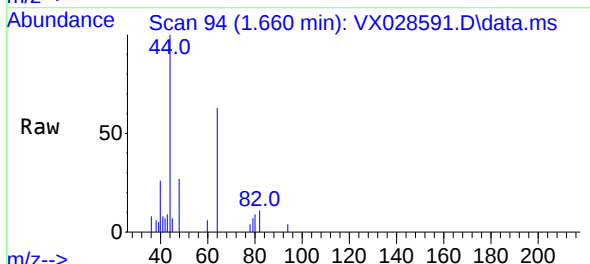
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#04

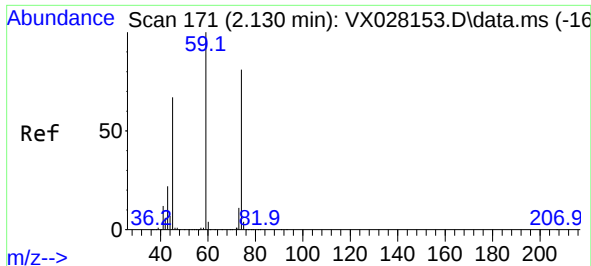
Tgt Ion: 94 Resp: 117
Ion Ratio Lower Upper
94 100
96 0.0 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

Tgt Ion: 64 Resp: 708
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

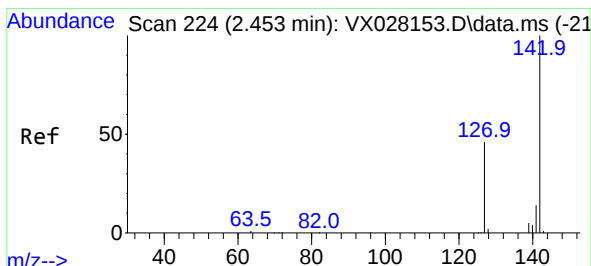
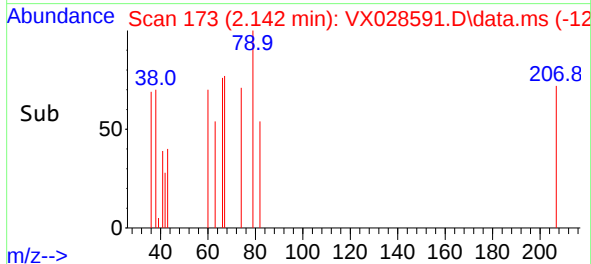
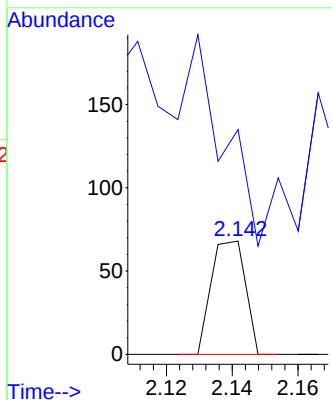
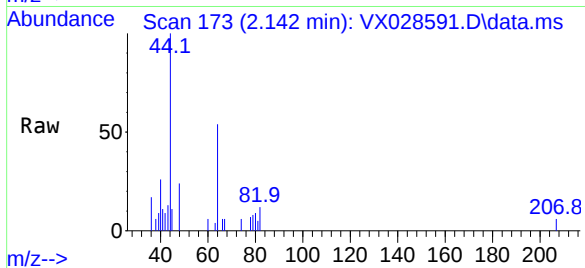




#8
Diethyl Ether
Concen: Below Cal
RT: 2.142 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

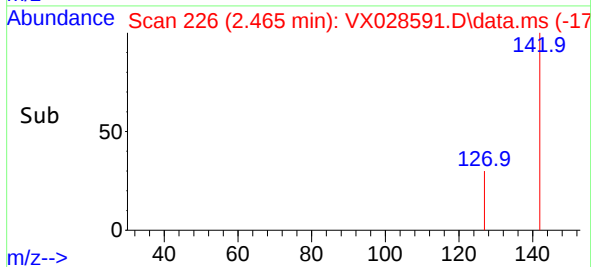
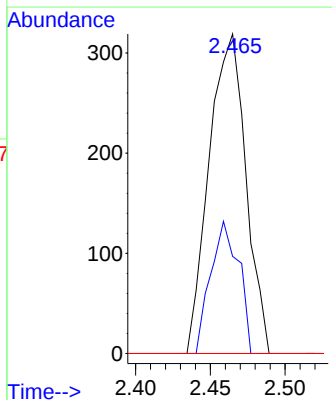
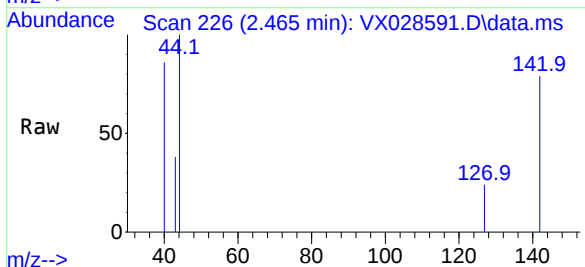
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#04

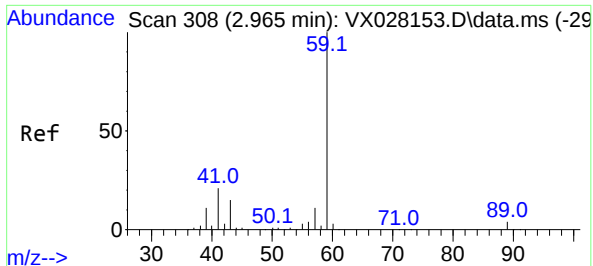
Tgt Ion: 74 Resp: 49
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.341 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

Tgt Ion: 142 Resp: 545
Ion Ratio Lower Upper
142 100
127 31.6 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX028591.D

Acq: 10 May 2022 13:39

Instrument :

MSVOA_X

ClientSampleId :

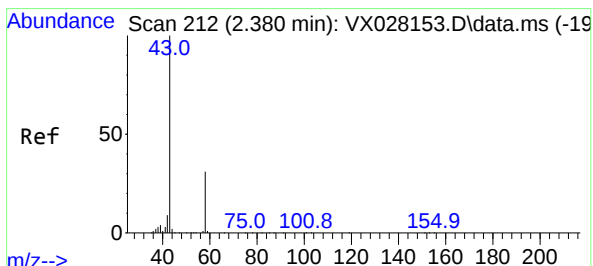
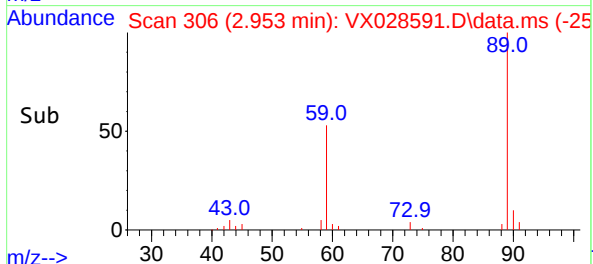
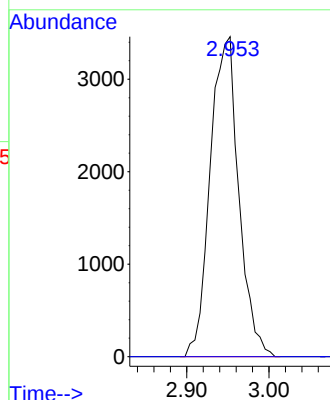
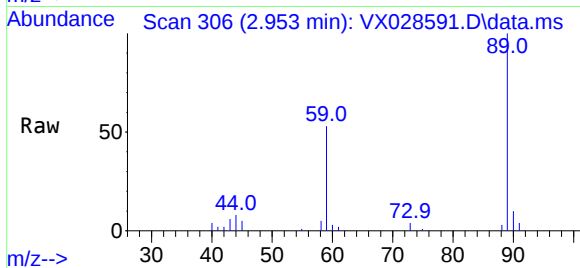
PB144702ZHE#04

Tgt Ion: 59 Resp: 8357

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 23.252 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028591.D

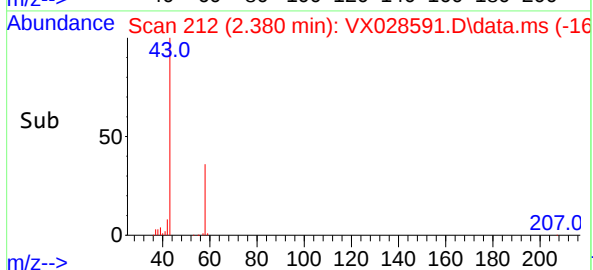
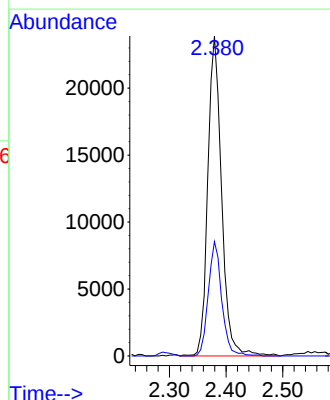
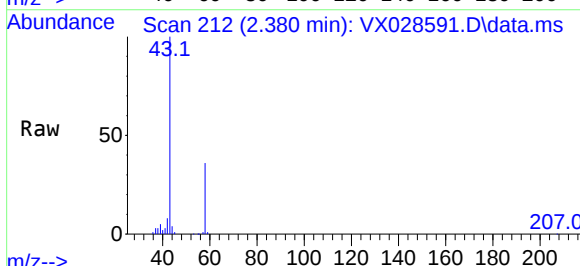
Acq: 10 May 2022 13:39

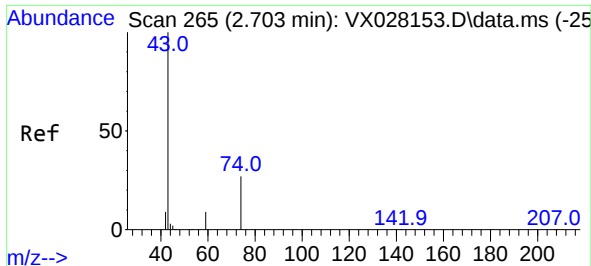
Tgt Ion: 43 Resp: 40346

Ion Ratio Lower Upper

43 100

58 35.8 28.8 43.2

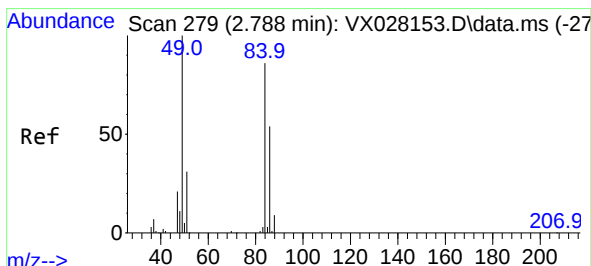
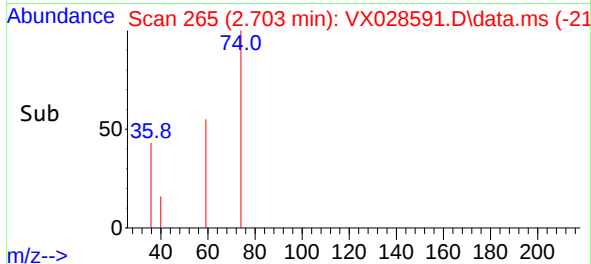
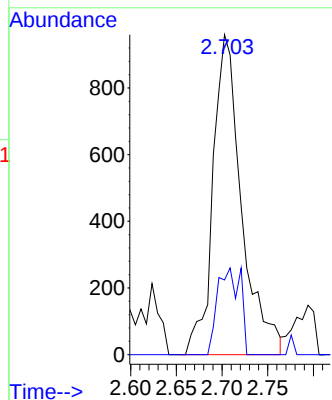
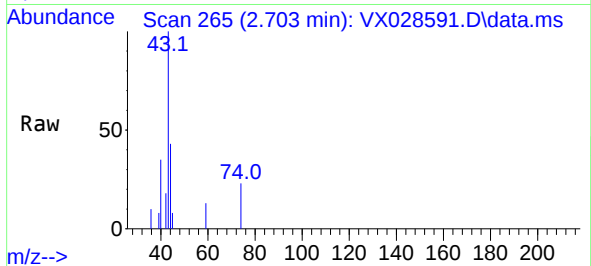




#18
Methyl Acetate
Concen: 0.437 ug/l
RT: 2.703 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

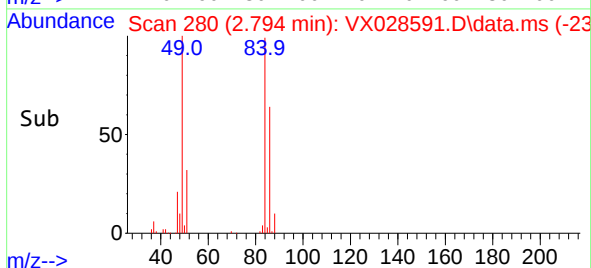
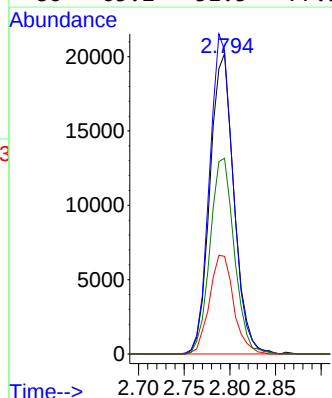
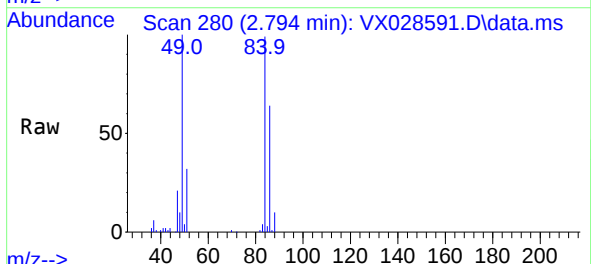
Instrument :
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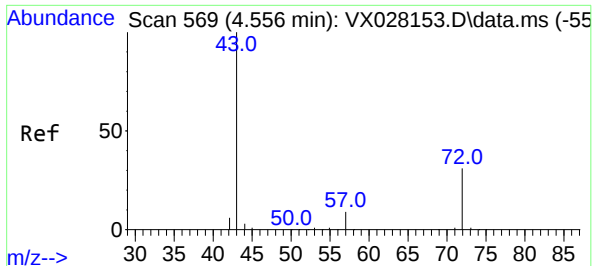
Tgt Ion: 43 Resp: 2094
Ion Ratio Lower Upper
43 100
74 21.4 22.8 34.2#



#20
Methylene Chloride
Concen: 9.224 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

Tgt Ion: 84 Resp: 36871
Ion Ratio Lower Upper
84 100
49 101.1 85.5 128.3
51 32.5 26.6 39.8
86 65.2 51.5 77.3





#25

2-Butanone

Concen: 2.654 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX028591.D

Acq: 10 May 2022 13:39

Instrument :

MSVOA_X

ClientSampleId :

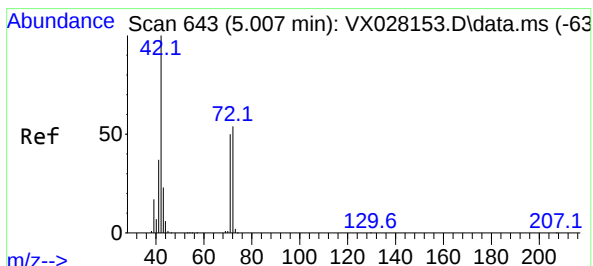
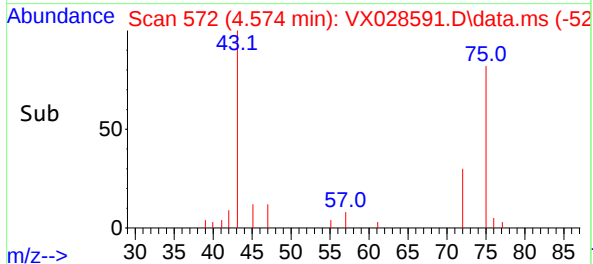
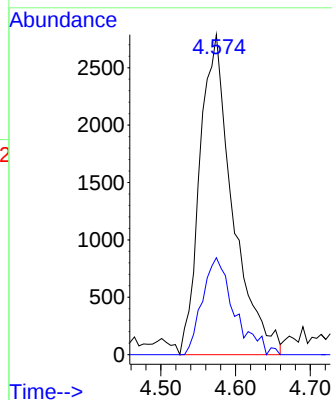
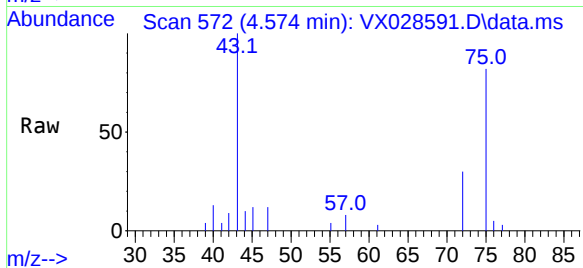
PB144702ZHE#04

Tgt Ion: 43 Resp: 8469

Ion Ratio Lower Upper

43 100

72 30.3 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.337 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.012 min

Lab File: VX028591.D

Acq: 10 May 2022 13:39

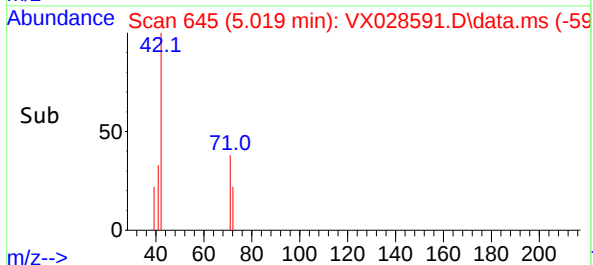
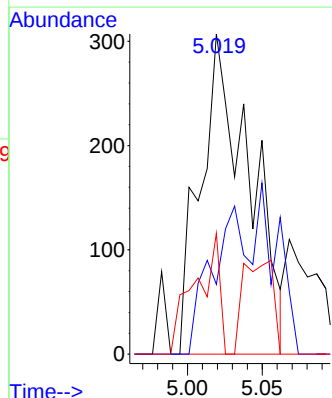
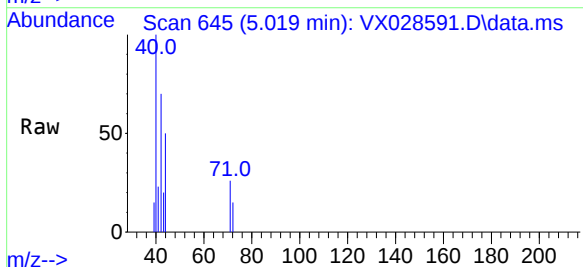
Tgt Ion: 42 Resp: 702

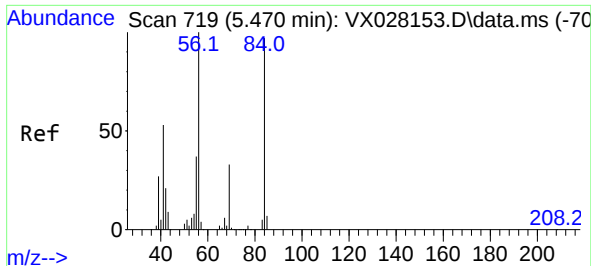
Ion Ratio Lower Upper

42 100

72 34.8 44.1 66.1#

71 18.8 40.5 60.7#

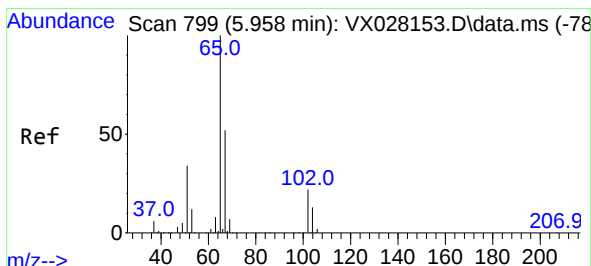
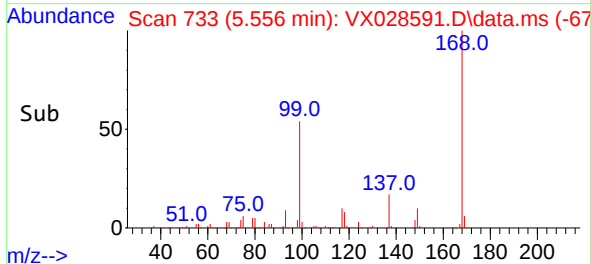
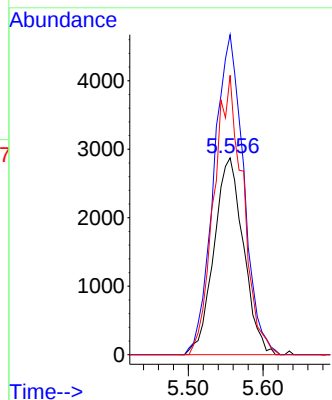
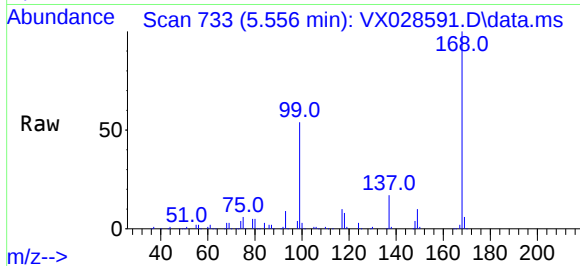




#31
Cyclohexane
Concen: 1.205 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

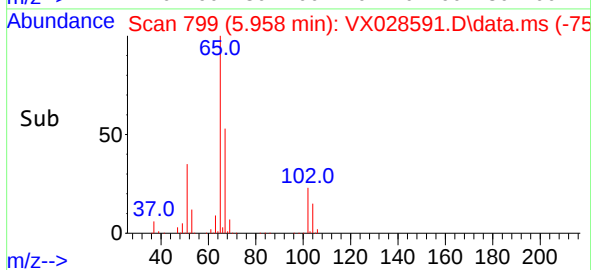
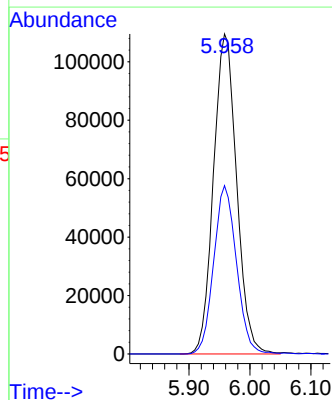
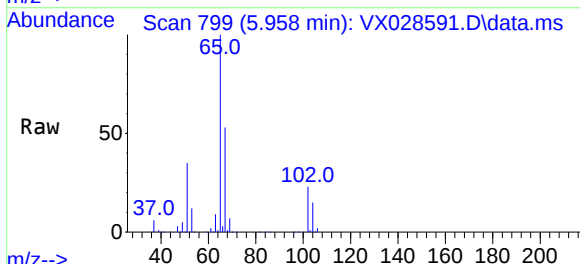
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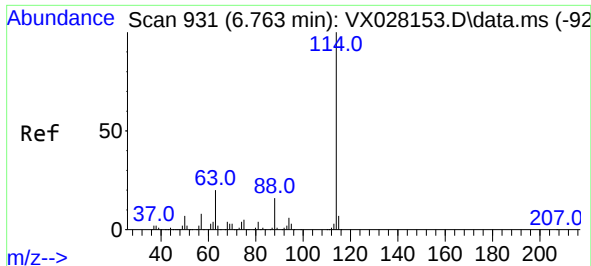
Tgt Ion: 56 Resp: 7907
Ion Ratio Lower Upper
56 100
69 162.6 26.7 40.1#
84 142.0 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 53.669 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

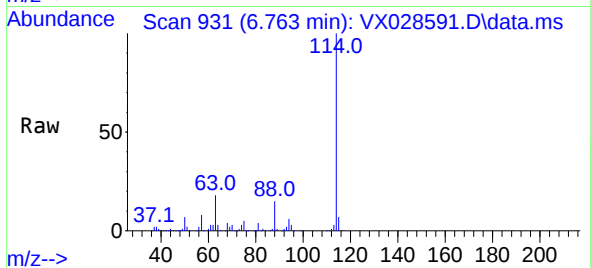
Tgt Ion: 65 Resp: 289144
Ion Ratio Lower Upper
65 100
67 51.7 0.0 107.4



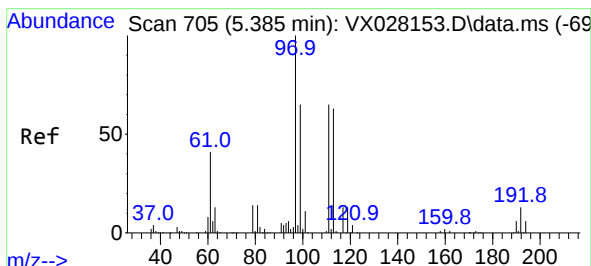
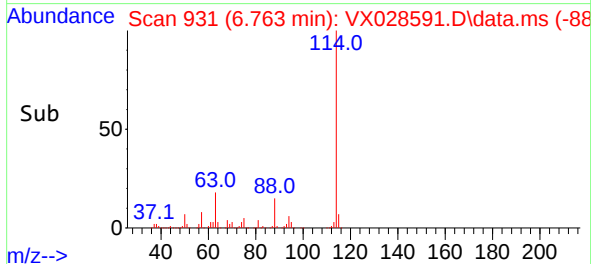
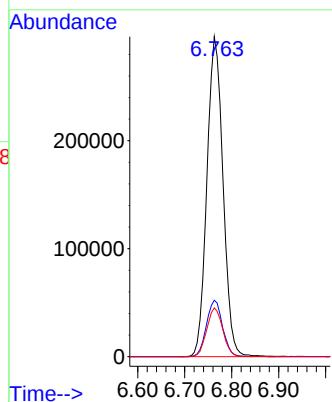


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#04

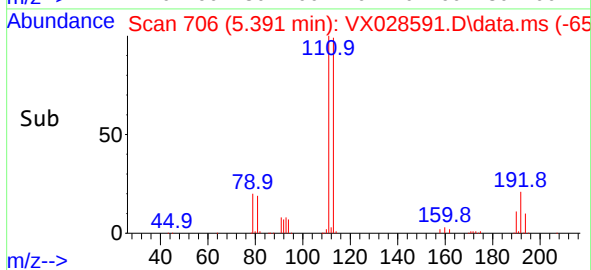
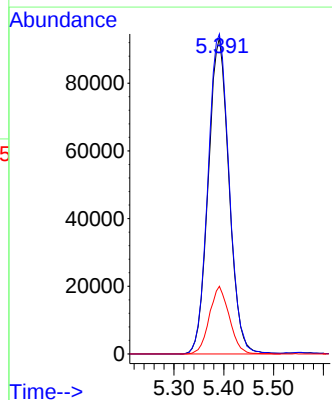
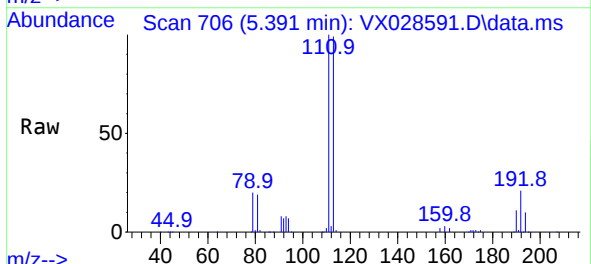


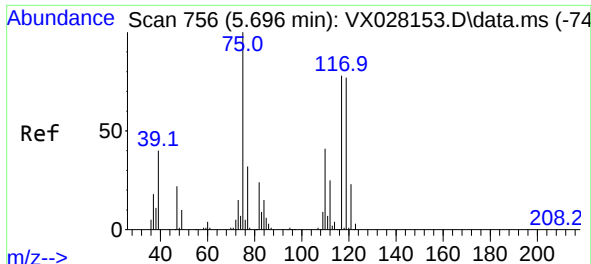
Tgt Ion:114 Resp: 704115
Ion Ratio Lower Upper
114 100
63 17.6 0.0 36.8
88 15.2 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.658 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

Tgt Ion:113 Resp: 269898
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 20.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.374 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX028591.D

Acq: 10 May 2022 13:39

Instrument :

MSVOA_X

ClientSampleId :

PB144702ZHE#04

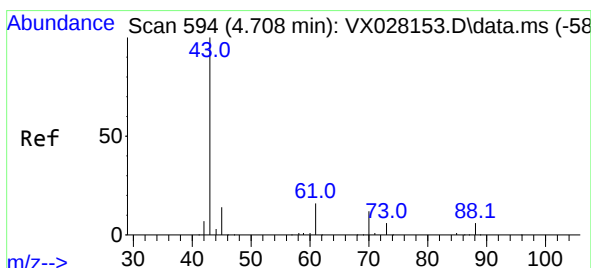
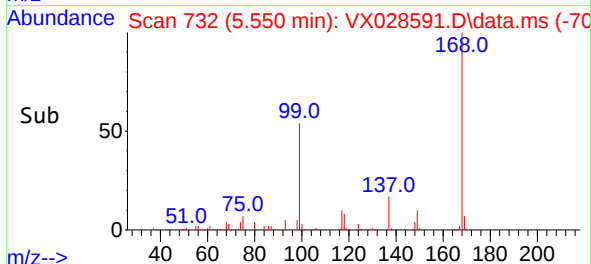
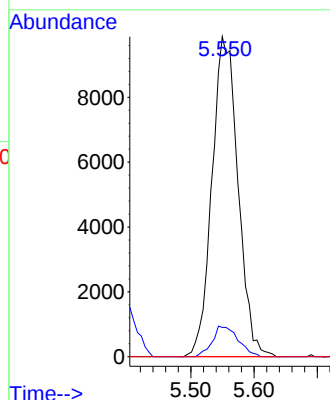
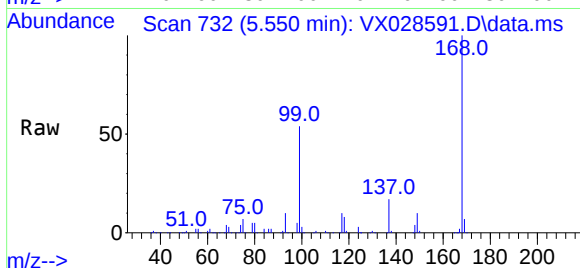
Tgt Ion: 75 Resp: 28173

Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 1.296 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.134 min

Lab File: VX028591.D

Acq: 10 May 2022 13:39

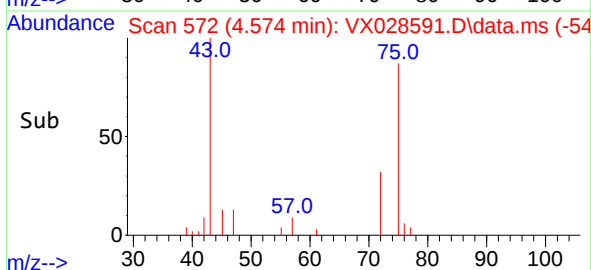
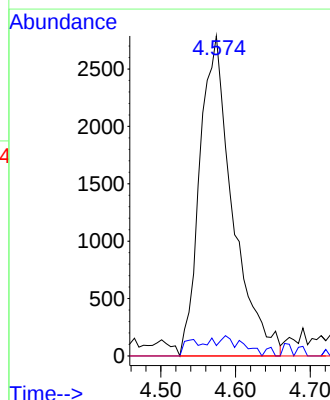
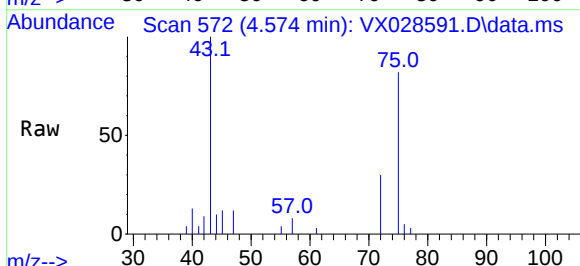
Tgt Ion: 43 Resp: 8469

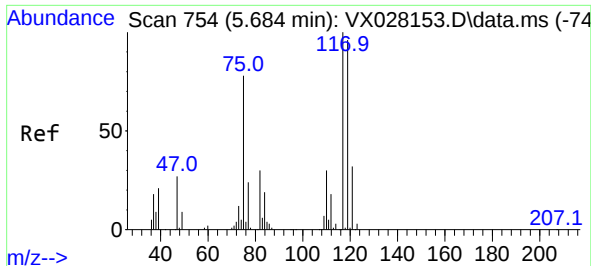
Ion Ratio Lower Upper

43 100

61 0.7 12.6 19.0#

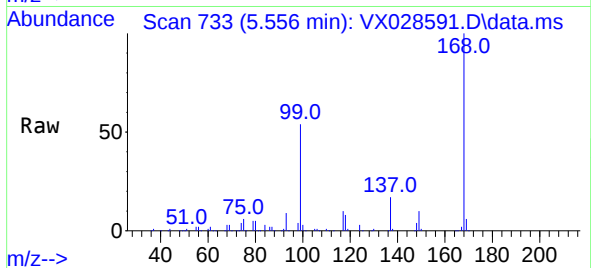
70 0.0 10.2 15.2#



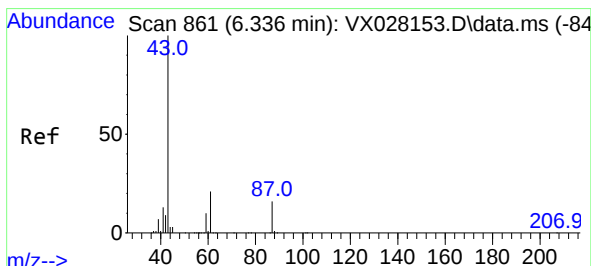
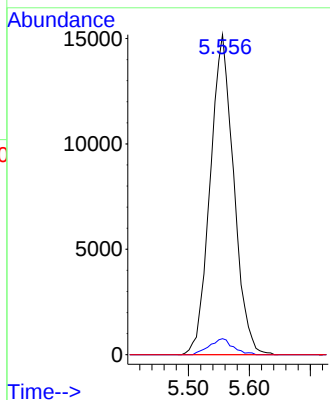
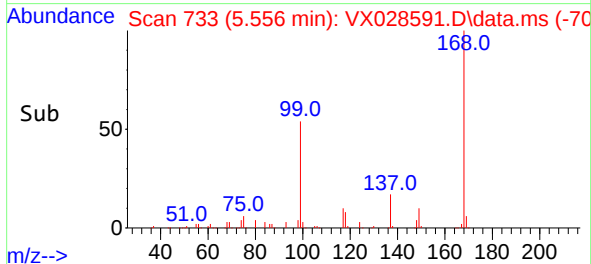


#38
Carbon Tetrachloride
Concen: 5.613 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

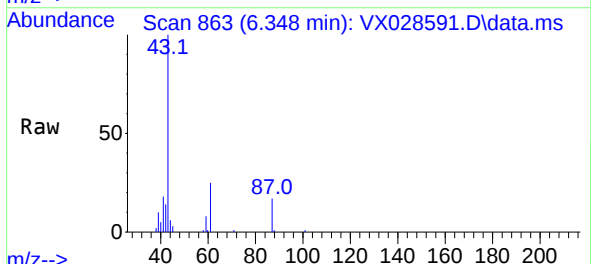
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#04



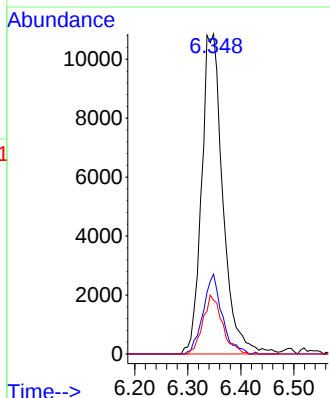
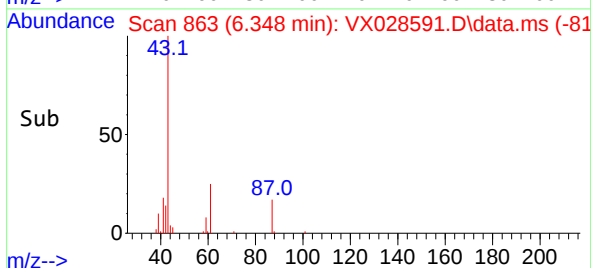
Tgt Ion:117 Resp: 40813
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 24.2 36.2#

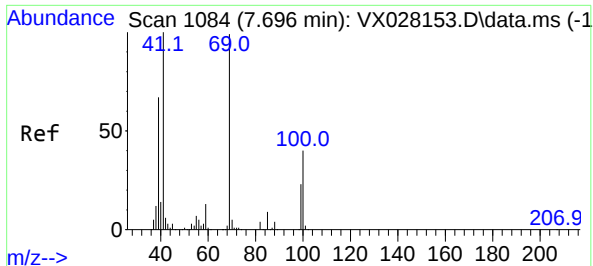


#43
Isopropyl Acetate
Concen: 2.848 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39



Tgt Ion: 43 Resp: 30294
Ion Ratio Lower Upper
43 100
61 22.1 18.5 27.7
87 16.7 13.0 19.6





#48

Methyl methacrylate

Concen: 1.776 ug/l

RT: 7.598 min Scan# 110

Delta R.T. -0.098 min

Lab File: VX028591.D

Acq: 10 May 2022 13:39

Instrument :

MSVOA_X

ClientSampleId :

PB144702ZHE#04

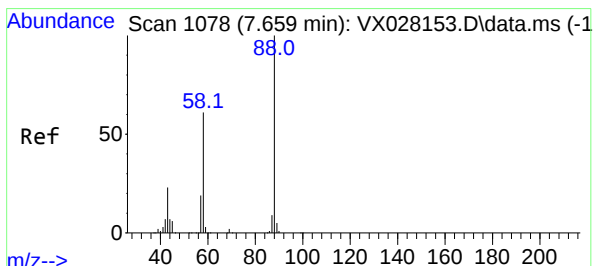
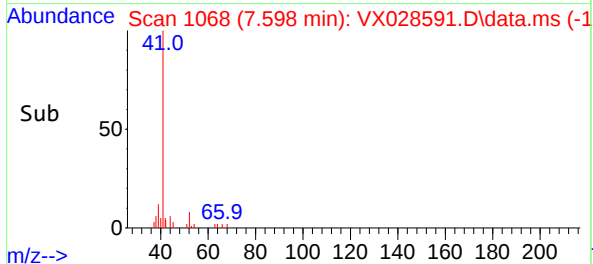
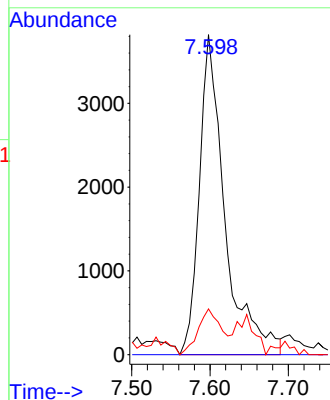
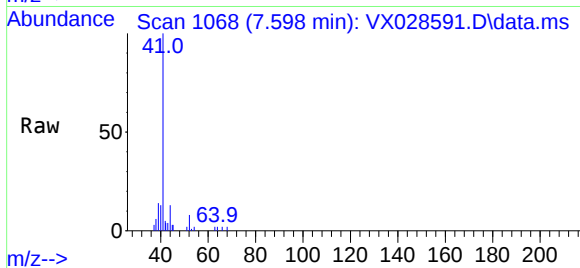
Tgt Ion: 41 Resp: 8673

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: 2.656 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028591.D

Acq: 10 May 2022 13:39

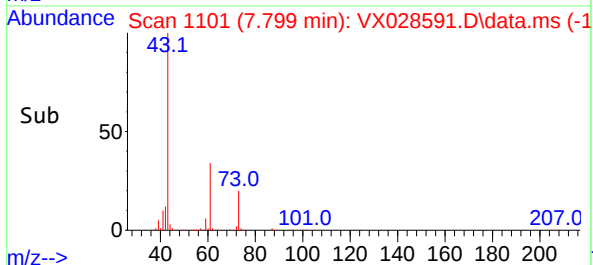
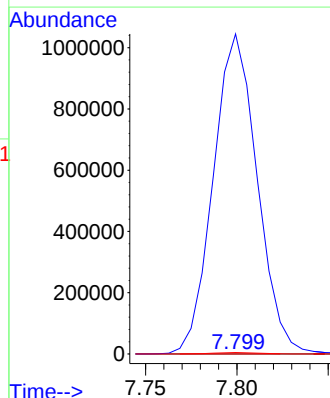
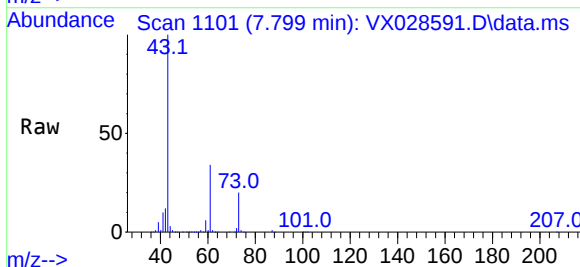
Tgt Ion: 88 Resp: 347

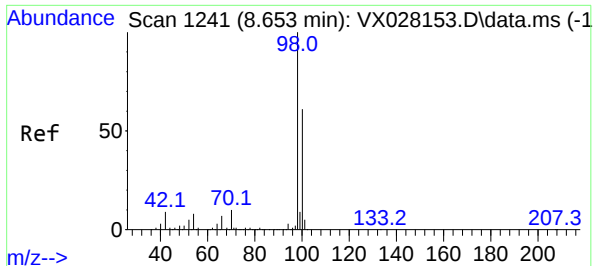
Ion Ratio Lower Upper

88 100

43 507349.3 21.9 32.9#

58 2339.2 53.7 80.5#

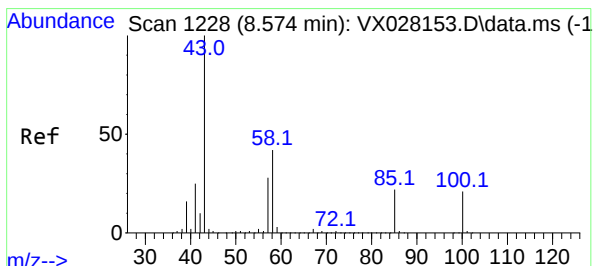
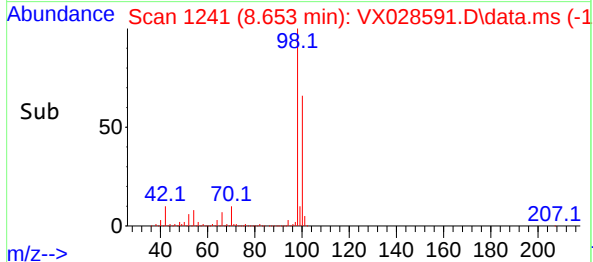
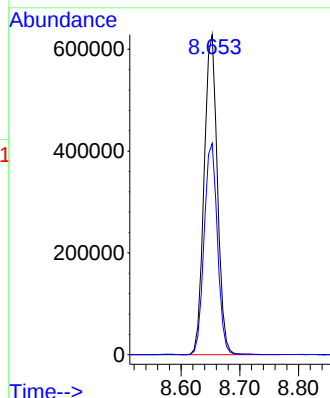
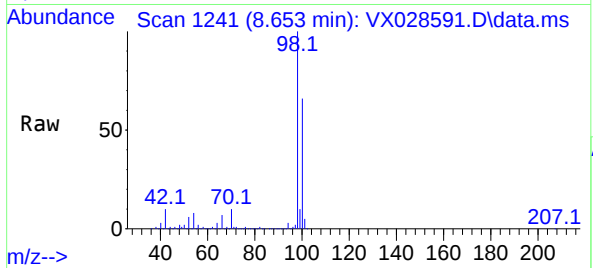




#50
Toluene-d8
Concen: 51.963 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

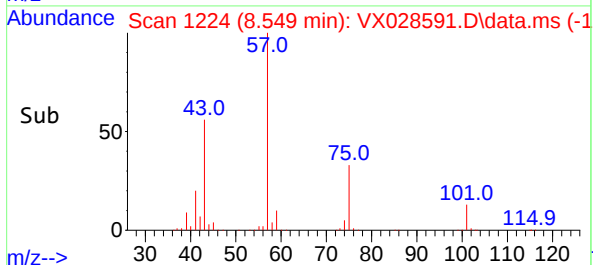
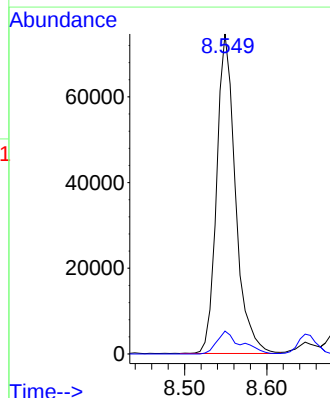
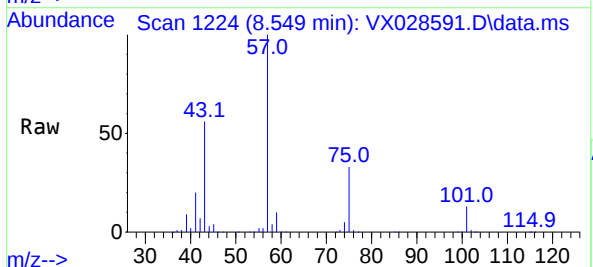
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#04

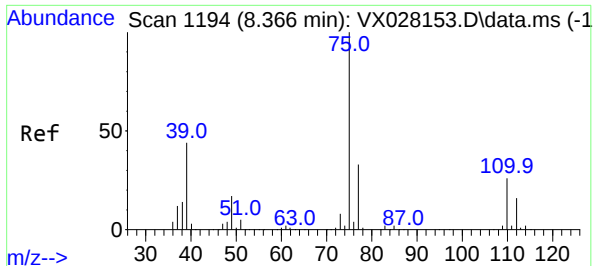
Tgt Ion: 98 Resp: 985496
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 17.373 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

Tgt Ion: 43 Resp: 118581
Ion Ratio Lower Upper
43 100
58 9.1 36.1 54.1#

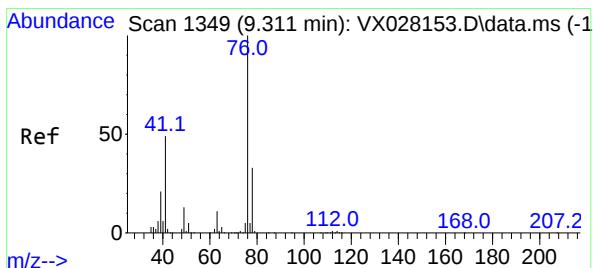
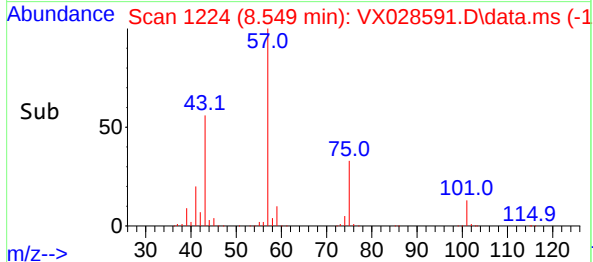
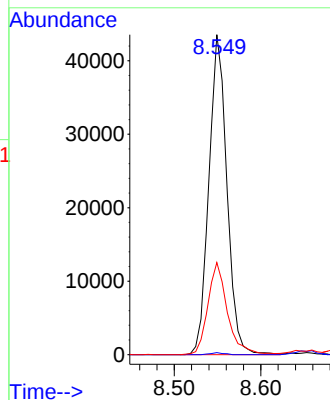
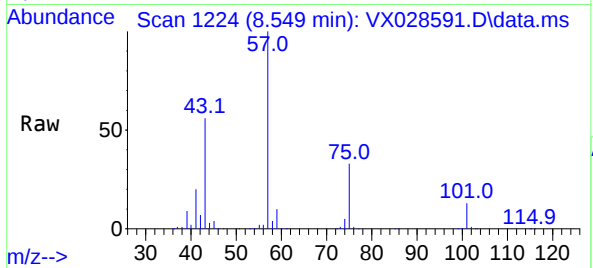




#54
 cis-1,3-Dichloropropene
 Concen: 7.929 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028591.D
 Acq: 10 May 2022 13:39

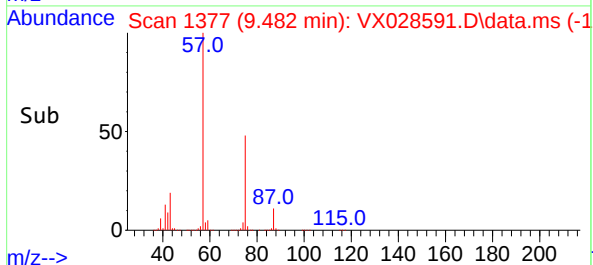
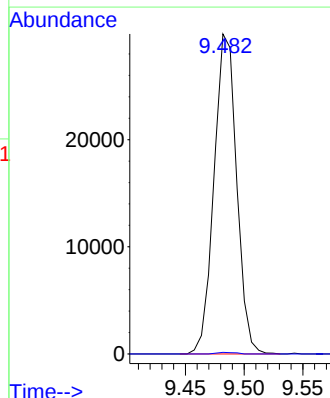
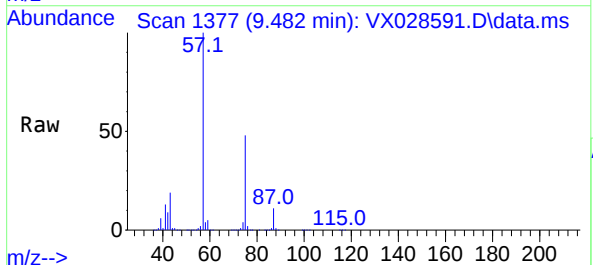
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#04

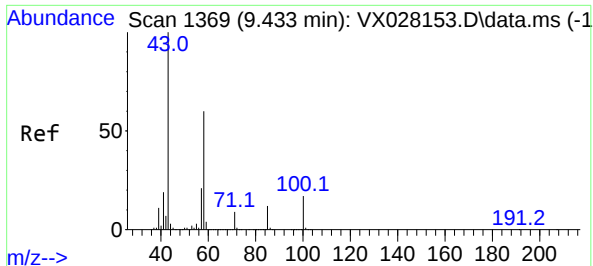
Tgt Ion: 75 Resp: 62966
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.8 37.2#
 39 28.8 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.659 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028591.D
 Acq: 10 May 2022 13:39

Tgt Ion: 76 Resp: 40018
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.8 38.8#





#59

2-Hexanone

Concen: 84.257 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX028591.D

Acq: 10 May 2022 13:39

Instrument :

MSVOA_X

ClientSampleId :

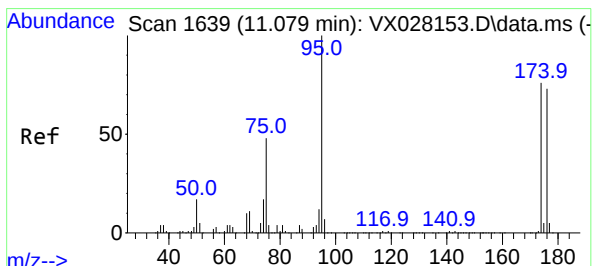
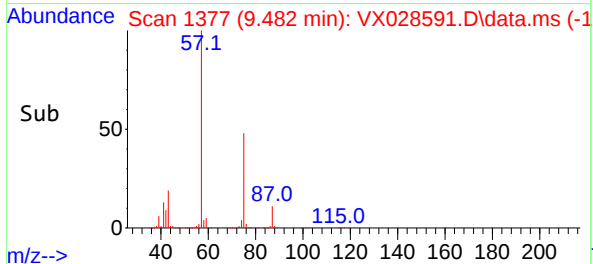
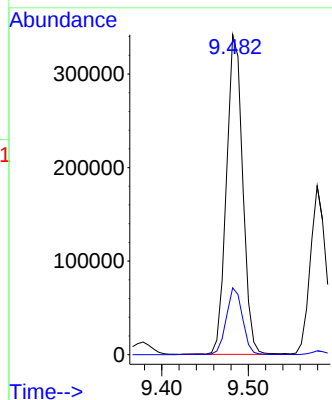
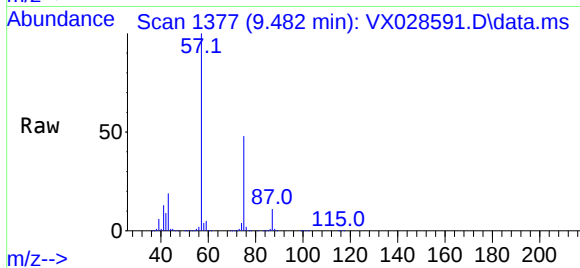
PB144702ZHE#04

Tgt Ion: 43 Resp: 445493

Ion Ratio Lower Upper

43 100

58 20.8 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 51.040 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028591.D

Acq: 10 May 2022 13:39

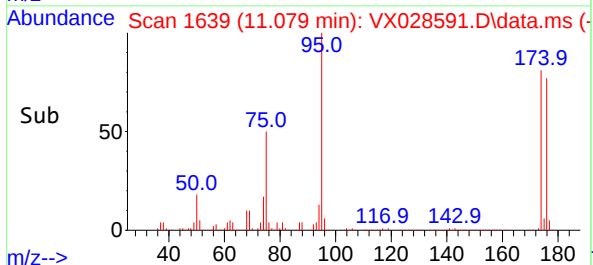
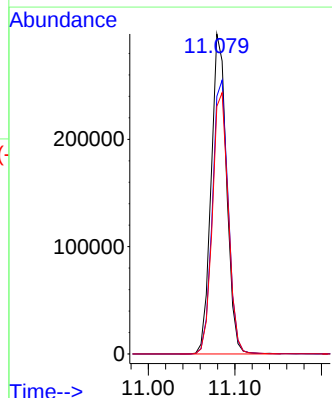
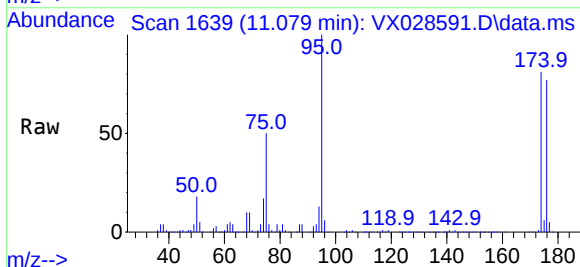
Tgt Ion: 95 Resp: 370126

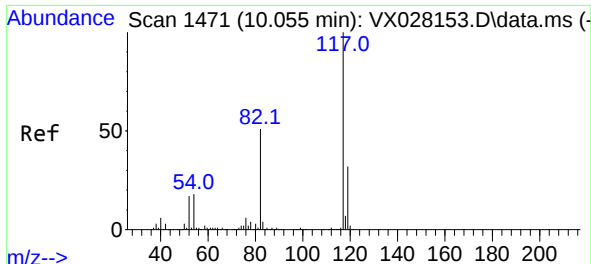
Ion Ratio Lower Upper

95 100

174 87.3 0.0 163.0

176 84.0 0.0 155.0

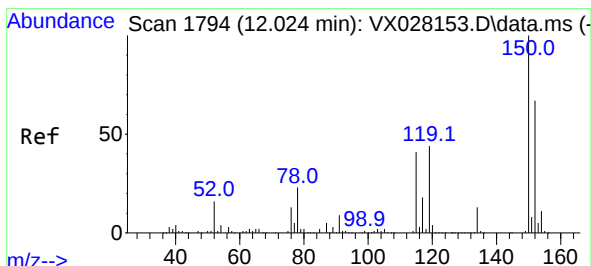
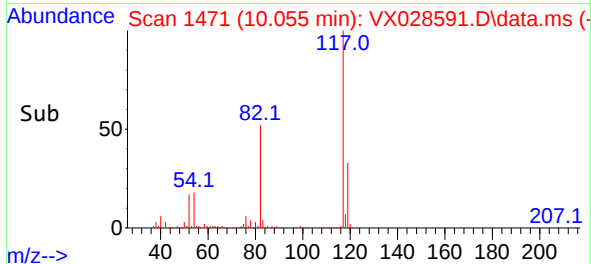
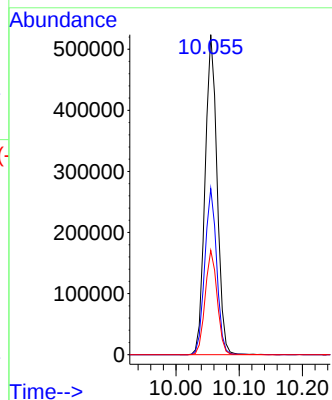
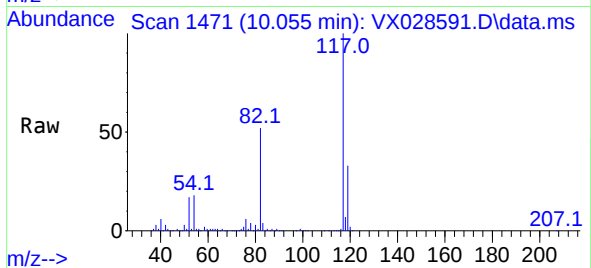




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

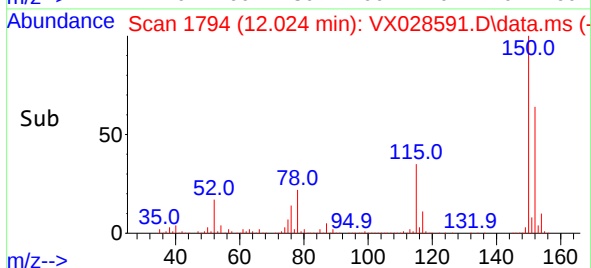
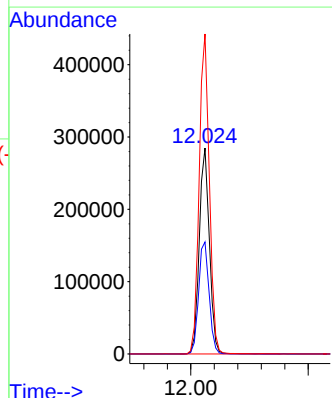
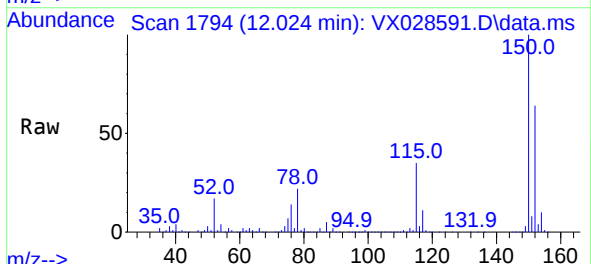
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#04

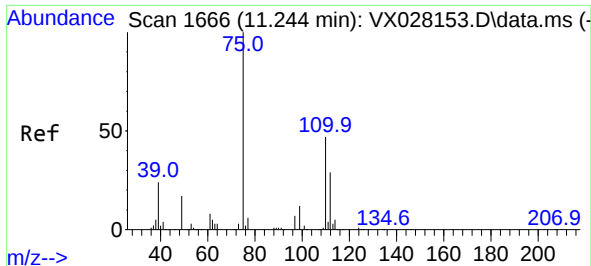
Tgt Ion:117 Resp: 693809
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 32.6 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

Tgt Ion:152 Resp: 341434
Ion Ratio Lower Upper
152 100
115 56.2 37.5 112.7
150 155.9 0.0 338.2

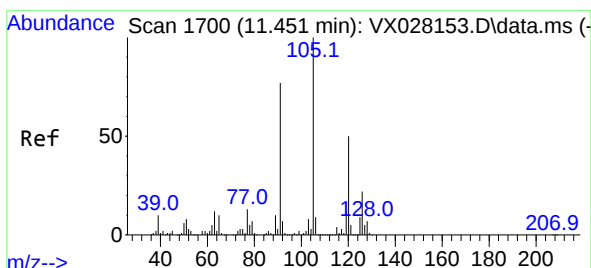
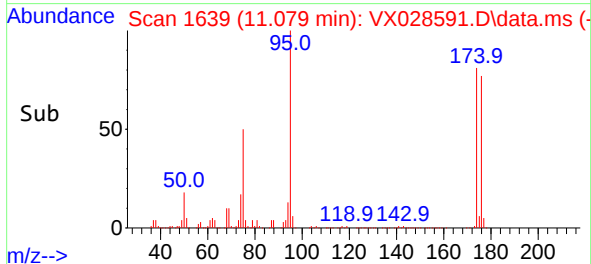
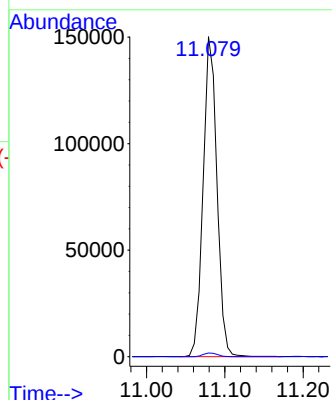
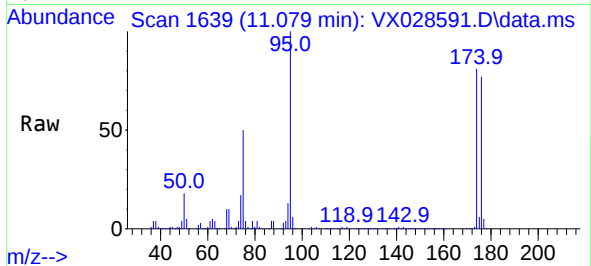




#76
1,2,3-Trichloropropane
Concen: 27.359 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

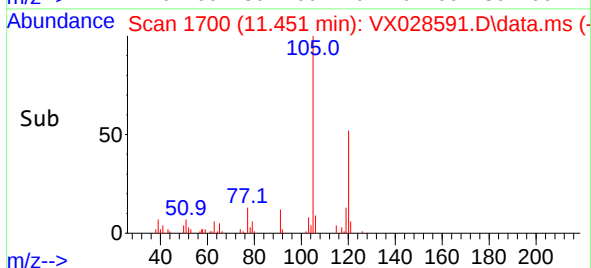
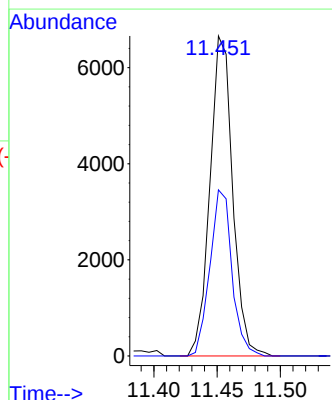
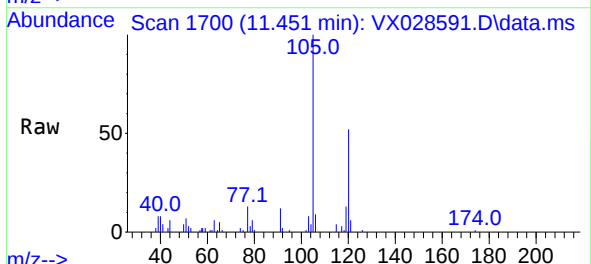
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#04

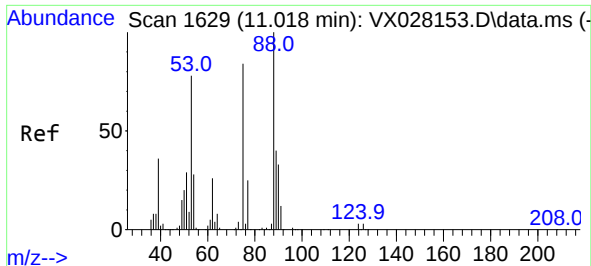
Tgt Ion: 75 Resp: 183846
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.417 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028591.D
Acq: 10 May 2022 13:39

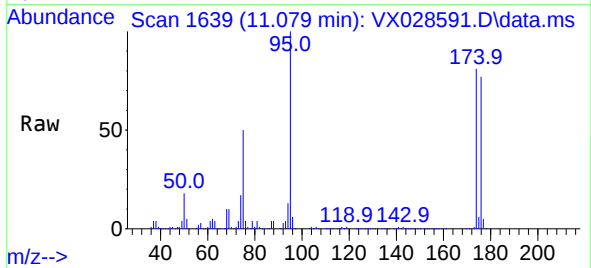
Tgt Ion:105 Resp: 8307
Ion Ratio Lower Upper
105 100
120 50.5 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.305 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028591.D
 Acq: 10 May 2022 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#04



Tgt Ion: 75 Resp: 183846
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

