

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028590.D
 Acq On : 10 May 2022 13:16
 Operator : JC/MD
 Sample : PB144702ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#03

Quant Time: May 11 06:59:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

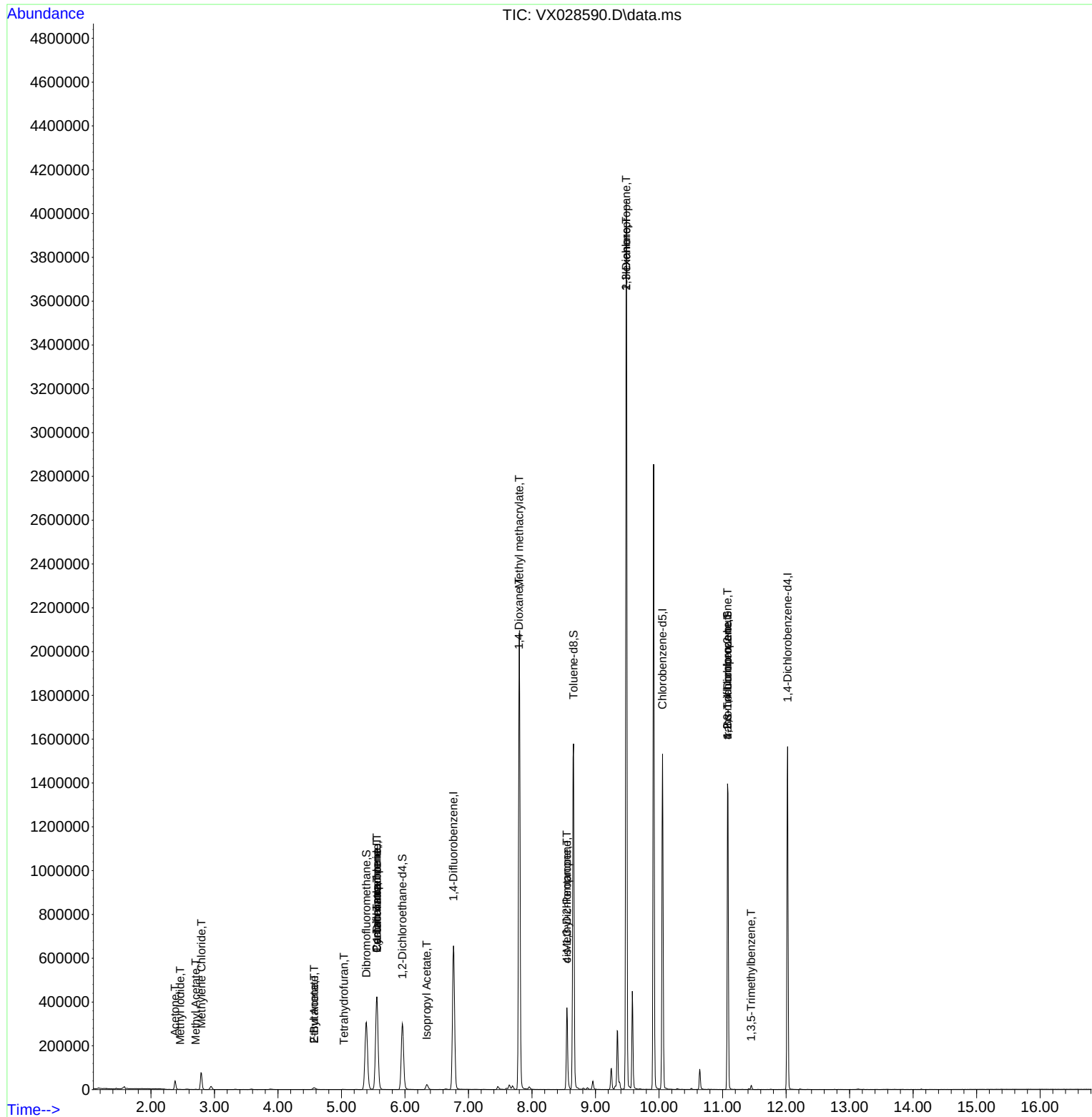
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	418545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	706079	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	695104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	334915	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	285600	52.333	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.660%	
35) Dibromofluoromethane	5.391	113	266448	53.810	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 107.620%	
50) Toluene-d8	8.653	98	977680	51.407	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.820%	
62) 4-Bromofluorobenzene	11.079	95	362029	49.785	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.580%	
Target Compounds						Qvalue
3) Chloromethane	1.295	50	264	Below Cal	#	87
5) Bromomethane	1.618	94	1016	Below Cal		99
6) Chloroethane	1.679	64	165	Below Cal	#	43
8) Diethyl Ether	2.124	74	125	Below Cal	#	1
10) Methyl Iodide	2.459	142	704	5.370	ug/l #	88
11) Tert butyl alcohol	2.947	59	7739	Below Cal	#	75
16) Acetone	2.380	43	40882	23.260	ug/l	95
18) Methyl Acetate	2.703	43	1935	0.399	ug/l #	85
20) Methylene Chloride	2.794	84	36631	9.046	ug/l	99
25) 2-Butanone	4.568	43	8639	2.673	ug/l	94
29) Tetrahydrofuran	5.038	42	800	0.380	ug/l #	35
31) Cyclohexane	5.556	56	7781	1.170	ug/l #	2
36) 1,1-Dichloropropene	5.556	75	29318	4.539	ug/l #	49
37) Ethyl Acetate	4.568	43	8639	1.318	ug/l #	71
38) Carbon Tetrachloride	5.556	117	41203	5.651	ug/l #	15
43) Isopropyl Acetate	6.342	43	29730	2.787	ug/l	98
48) Methyl methacrylate	7.799	41	171845	35.091	ug/l #	34
49) 1,4-Dioxane	7.793	88	380	2.901	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	117749	17.203	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	62263	7.819	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	40146	4.661	ug/l #	43
59) 2-Hexanone	9.482	43	446013	84.120	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	178762	27.121	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	8613	0.441	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	178762	80.596	ug/l #	15

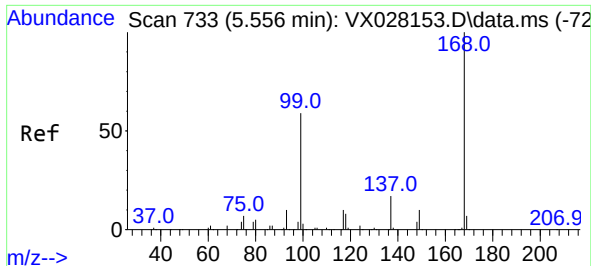
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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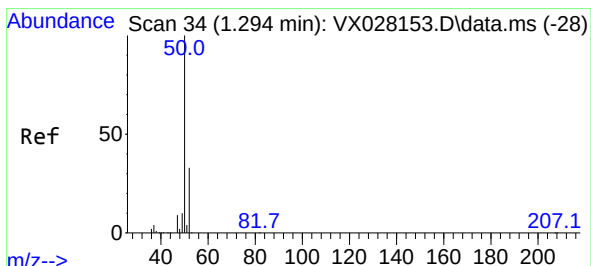
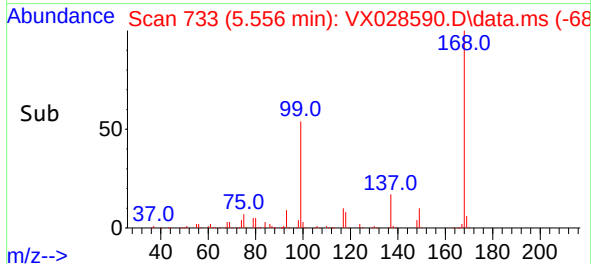
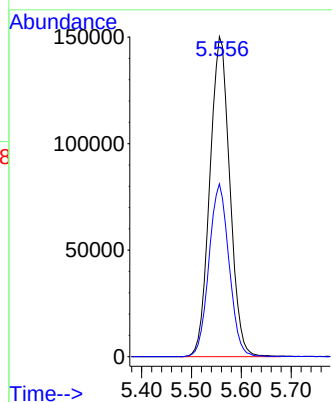
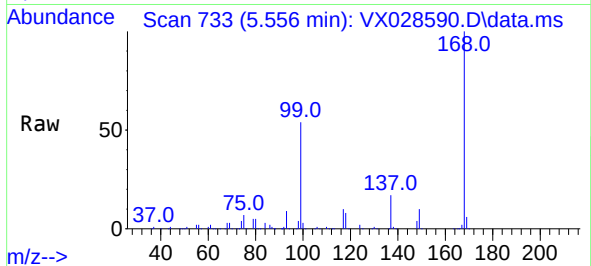




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

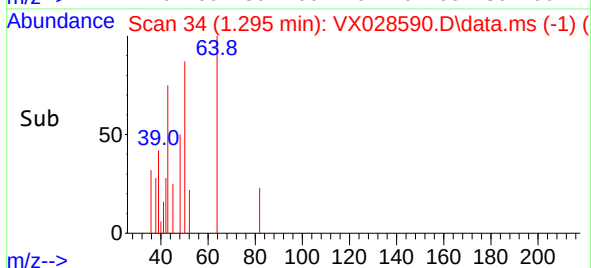
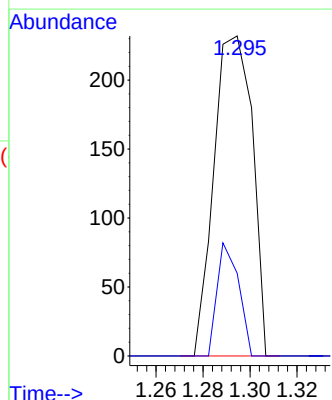
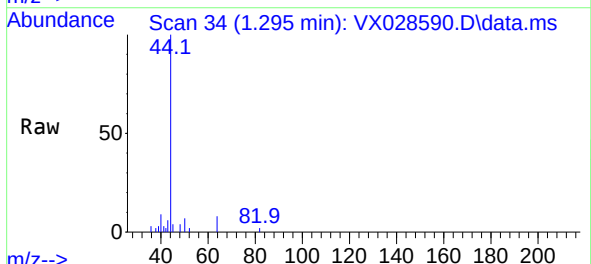
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#03

Tgt Ion:168 Resp: 418545
Ion Ratio Lower Upper
168 100
99 54.0 41.7 62.5

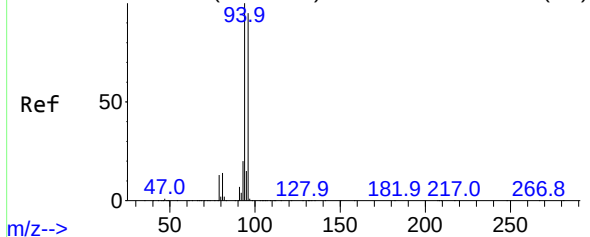


#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

Tgt Ion: 50 Resp: 264
Ion Ratio Lower Upper
50 100
52 25.9 26.4 39.6#



Abundance Scan 84 (1.599 min): VX028153.D\data.ms (-78)



#5

Bromomethane

Concen: Below Cal

RT: 1.618 min Scan# 81

Delta R.T. 0.019 min

Lab File: VX028590.D

Acq: 10 May 2022 13:16

Instrument :

MSVOA_X

ClientSampleId :

PB144702ZHE#03

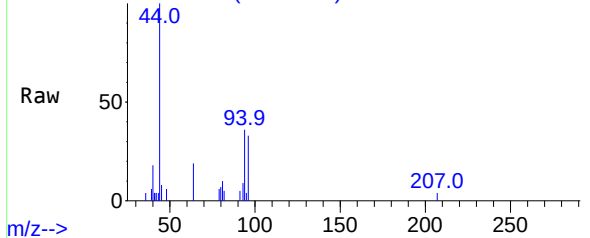
Tgt Ion: 94 Resp: 1016

Ion Ratio Lower Upper

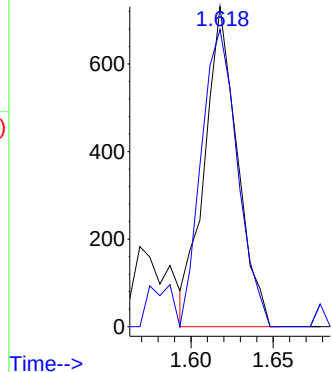
94 100

96 92.9 75.3 112.9

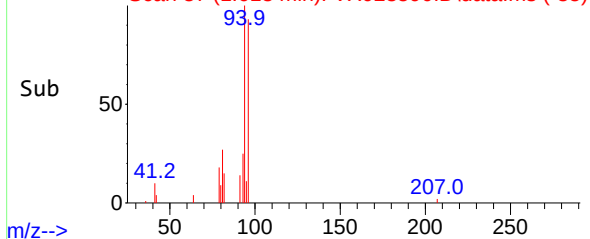
Abundance Scan 87 (1.618 min): VX028590.D\data.ms



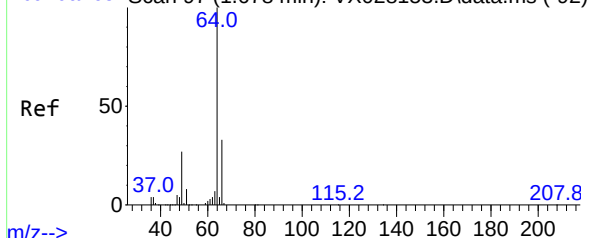
Abundance



Abundance Scan 87 (1.618 min): VX028590.D\data.ms (-35)



Abundance Scan 97 (1.678 min): VX028153.D\data.ms (-92)



#6

Chloroethane

Concen: Below Cal

RT: 1.679 min Scan# 97

Delta R.T. 0.001 min

Lab File: VX028590.D

Acq: 10 May 2022 13:16

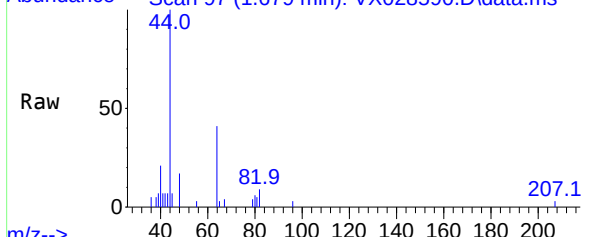
Tgt Ion: 64 Resp: 165

Ion Ratio Lower Upper

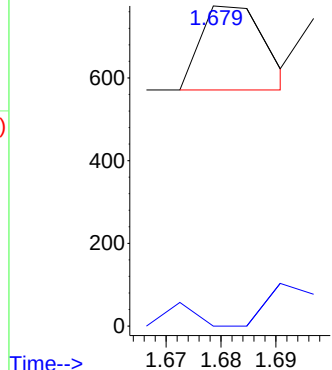
64 100

66 0.0 25.3 37.9#

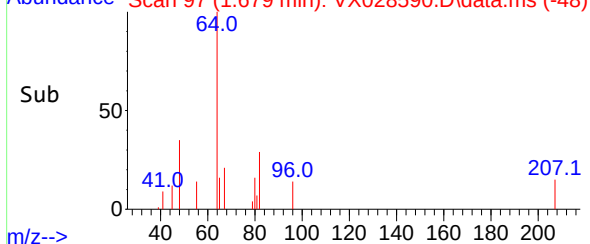
Abundance Scan 97 (1.679 min): VX028590.D\data.ms

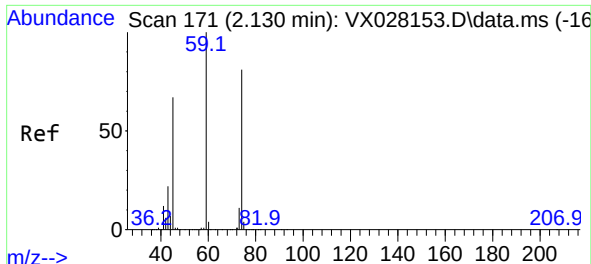


Abundance



Abundance Scan 97 (1.679 min): VX028590.D\data.ms (-48)

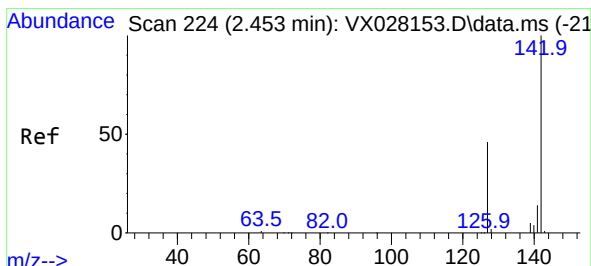
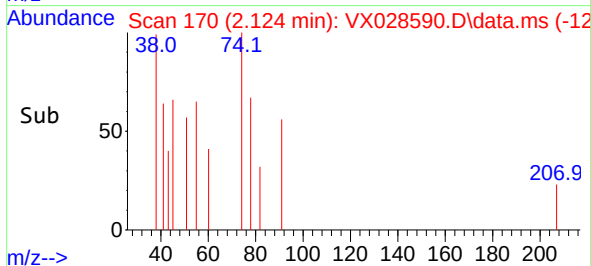
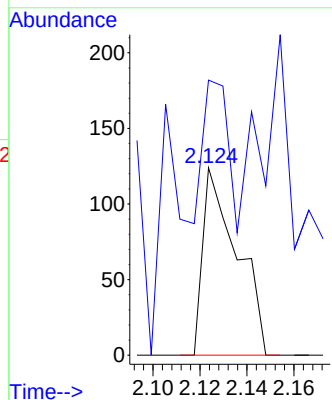
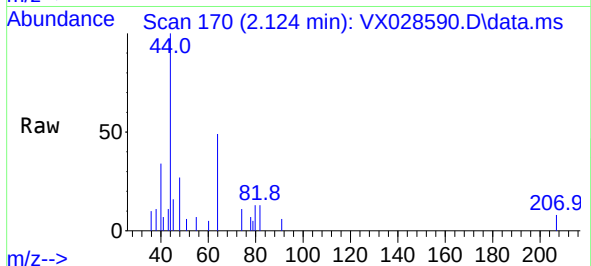




#8
Diethyl Ether
Concen: Below Cal
RT: 2.124 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

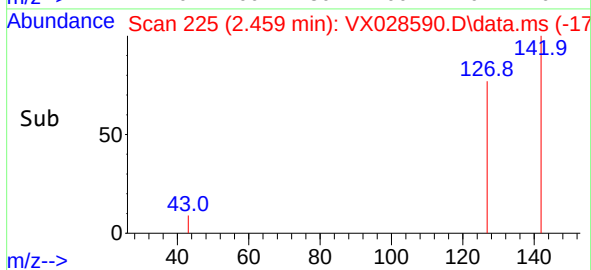
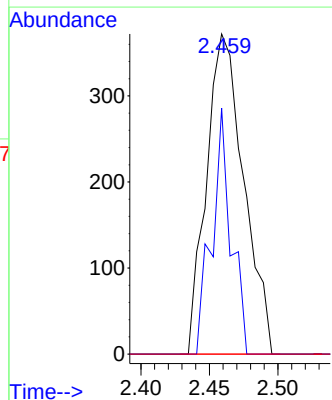
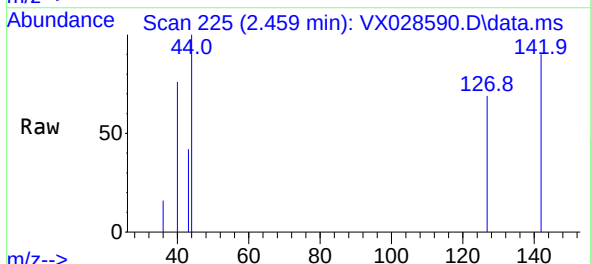
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#03

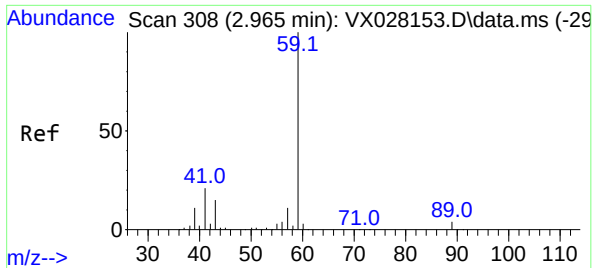
Tgt Ion: 74 Resp: 125
Ion Ratio Lower Upper
74 100
45 229.6 42.0 126.0#



#10
Methyl Iodide
Concen: 5.370 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

Tgt Ion: 142 Resp: 704
Ion Ratio Lower Upper
142 100
127 39.5 33.9 50.9
141 0.0 11.4 17.2#

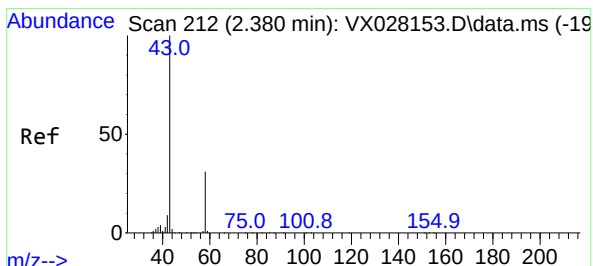
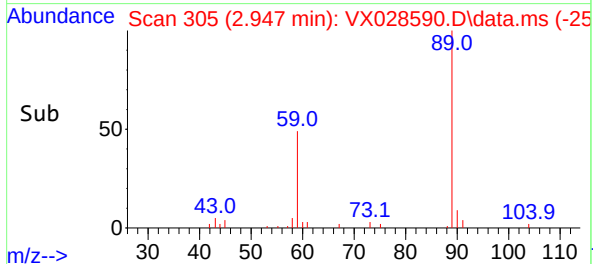
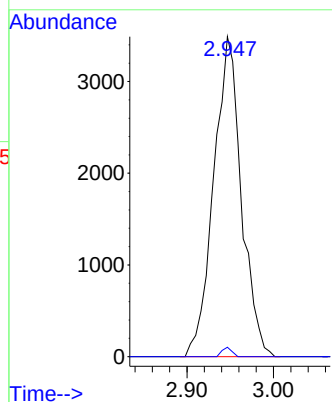
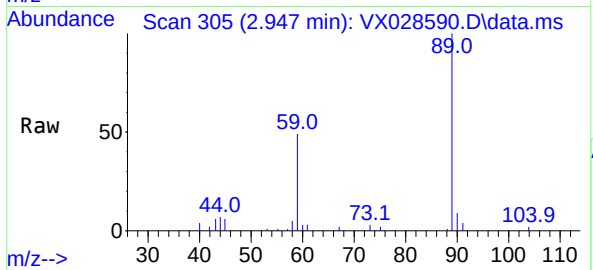




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

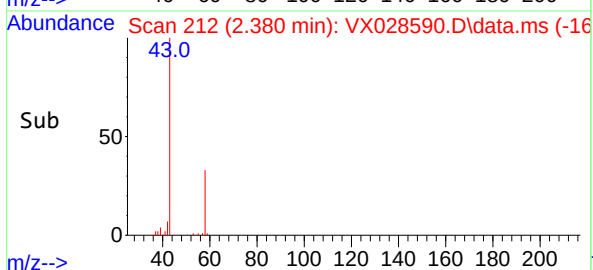
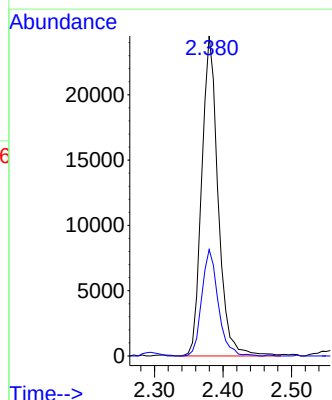
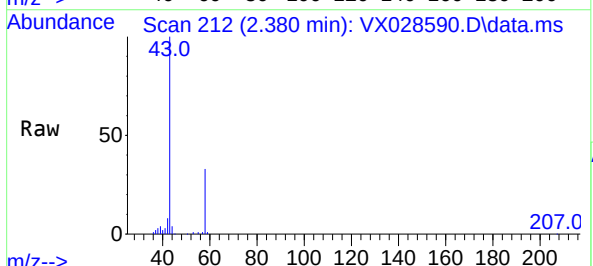
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#03

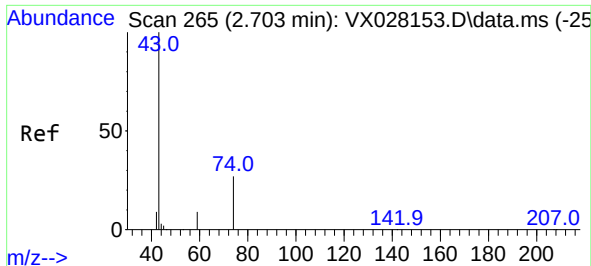
Tgt Ion: 59 Resp: 7739
Ion Ratio Lower Upper
59 100
57 1.0 8.3 12.5#



#16
Acetone
Concen: 23.260 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

Tgt Ion: 43 Resp: 40882
Ion Ratio Lower Upper
43 100
58 33.3 28.8 43.2





#18

Methyl Acetate

Concen: 0.399 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX028590.D

Acq: 10 May 2022 13:16

Instrument :

MSVOA_X

ClientSampleId :

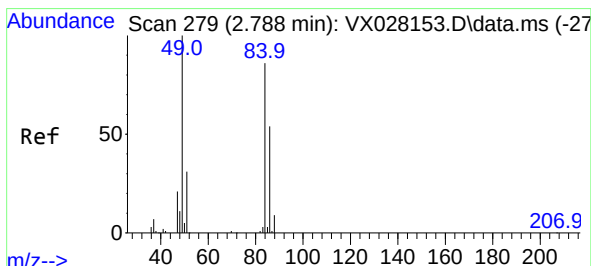
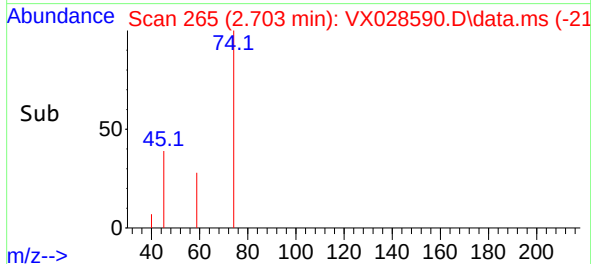
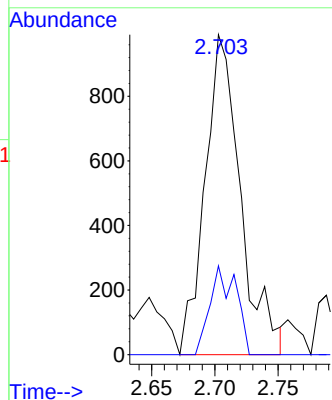
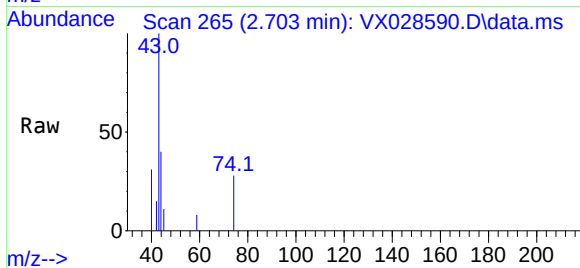
PB144702ZHE#03

Tgt Ion: 43 Resp: 1935

Ion Ratio Lower Upper

43 100

74 20.3 22.8 34.2#



#20

Methylene Chloride

Concen: 9.046 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX028590.D

Acq: 10 May 2022 13:16

Tgt Ion: 84 Resp: 36631

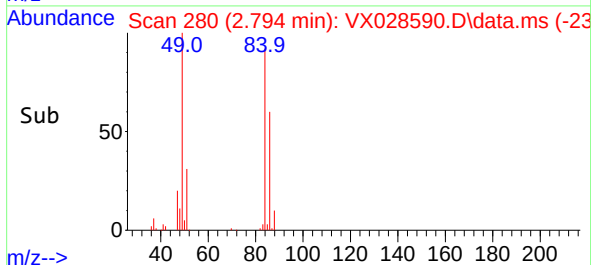
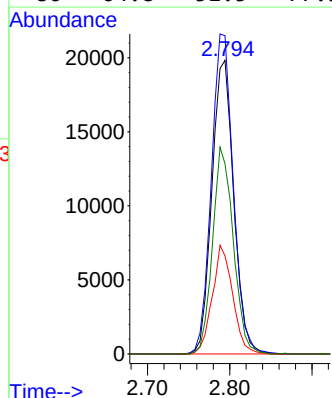
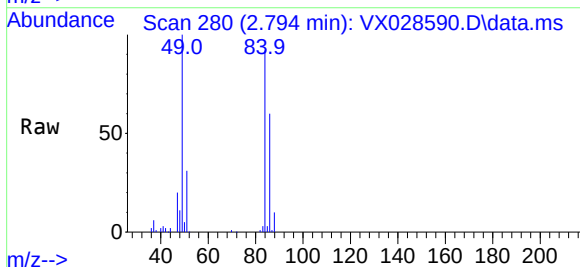
Ion Ratio Lower Upper

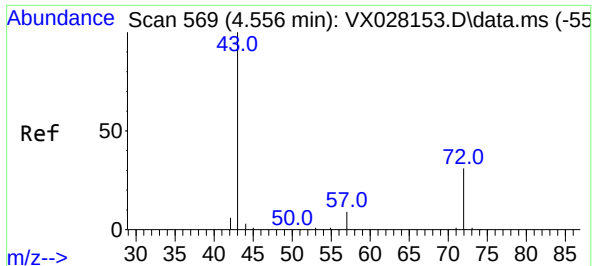
84 100

49 108.4 85.5 128.3

51 33.4 26.6 39.8

86 64.8 51.5 77.3





#25

2-Butanone

Concen: 2.673 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028590.D

Acq: 10 May 2022 13:16

Instrument :

MSVOA_X

ClientSampleId :

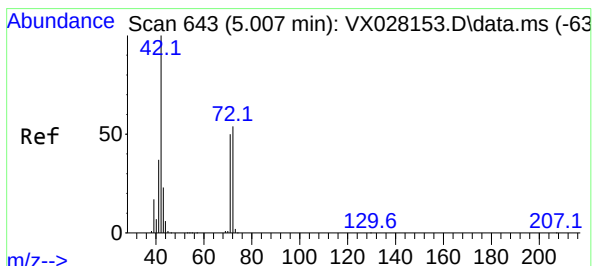
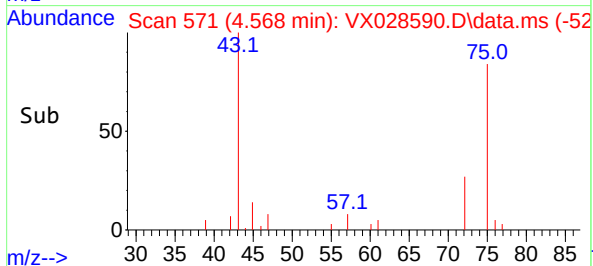
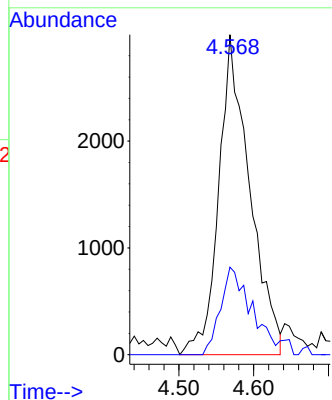
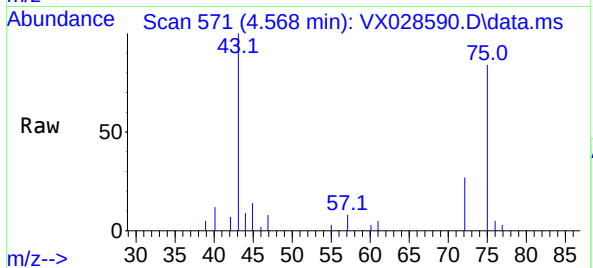
PB144702ZHE#03

Tgt Ion: 43 Resp: 8639

Ion Ratio Lower Upper

43 100

72 27.3 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.380 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.031 min

Lab File: VX028590.D

Acq: 10 May 2022 13:16

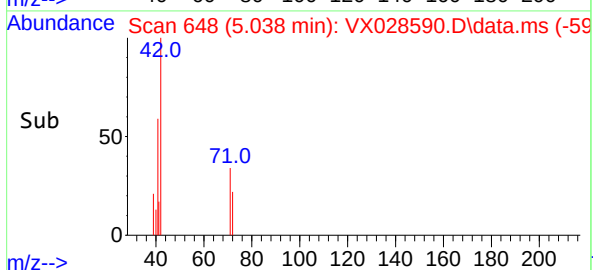
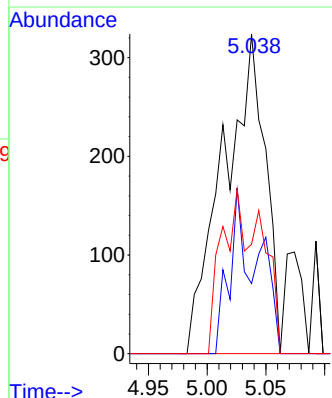
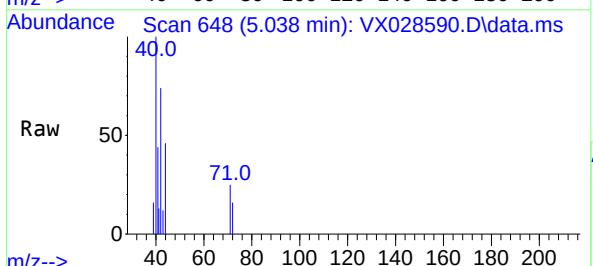
Tgt Ion: 42 Resp: 800

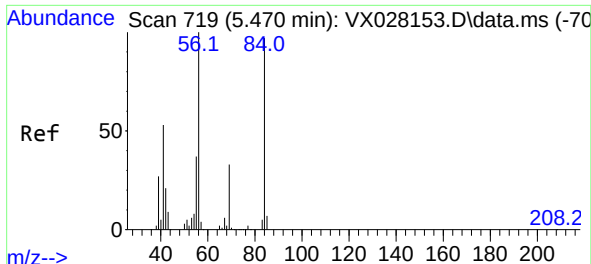
Ion Ratio Lower Upper

42 100

72 13.0 44.1 66.1#

71 0.0 40.5 60.7#

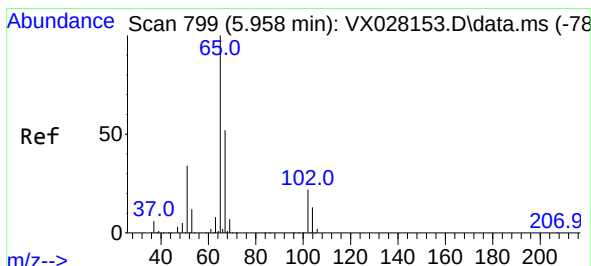
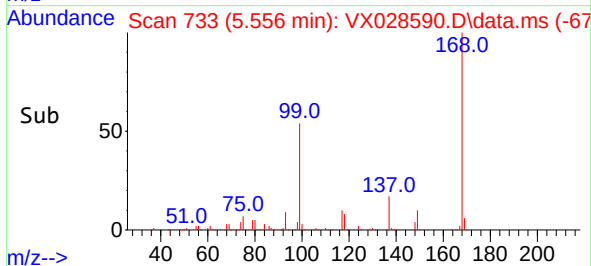
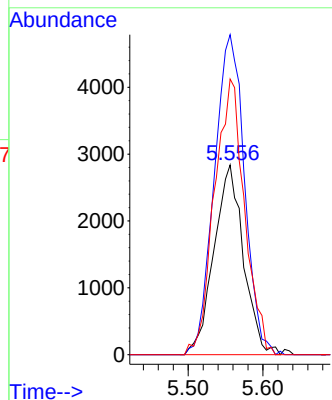
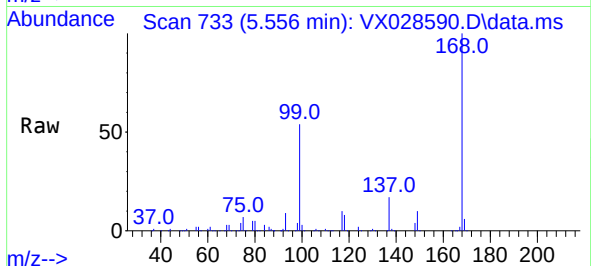




#31
Cyclohexane
Concen: 1.170 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

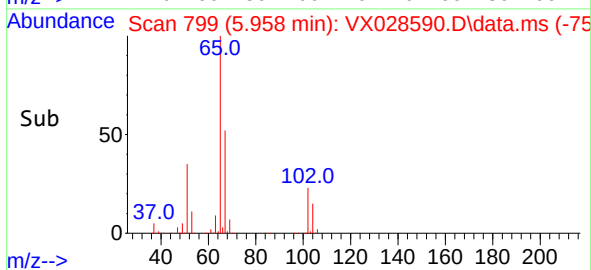
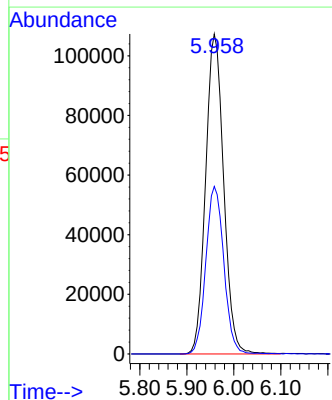
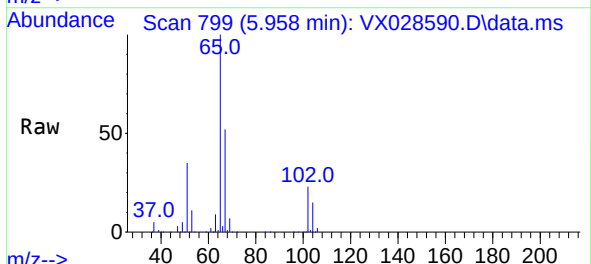
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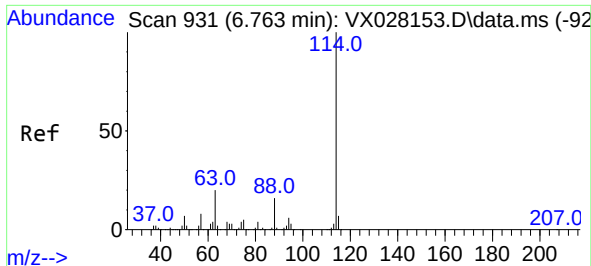
Tgt Ion: 56 Resp: 7781
Ion Ratio Lower Upper
56 100
69 168.6 26.7 40.1#
84 145.3 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 52.333 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

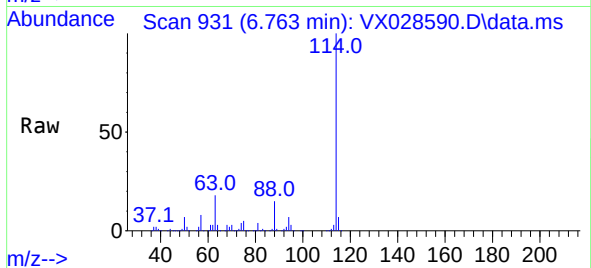
Tgt Ion: 65 Resp: 285600
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.4



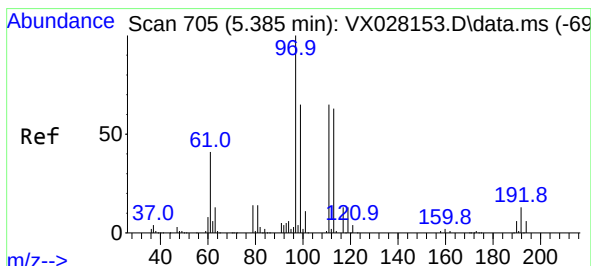
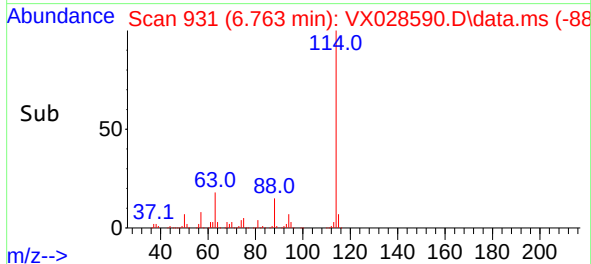
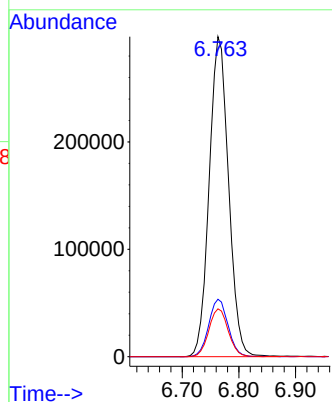


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#03

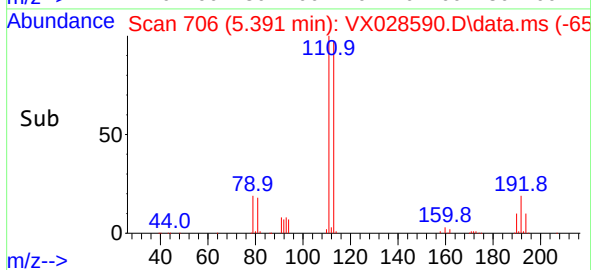
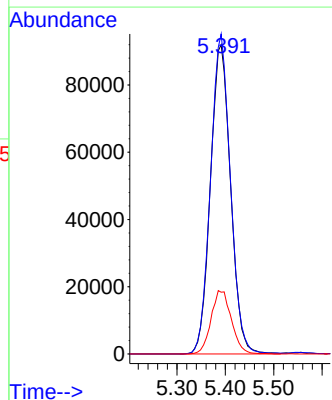
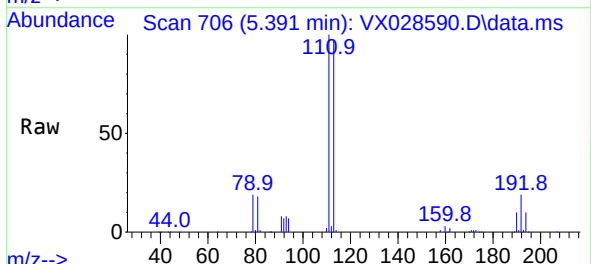


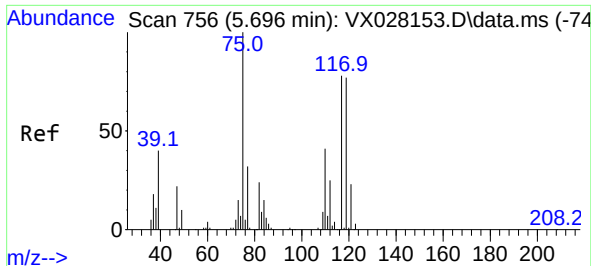
Tgt Ion:114 Resp: 706079
Ion Ratio Lower Upper
114 100
63 18.0 0.0 36.8
88 15.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.810 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

Tgt Ion:113 Resp: 266448
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 20.6 16.9 25.3

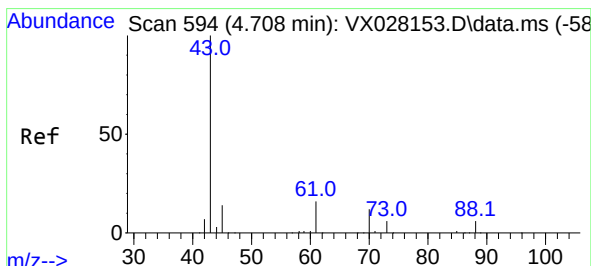
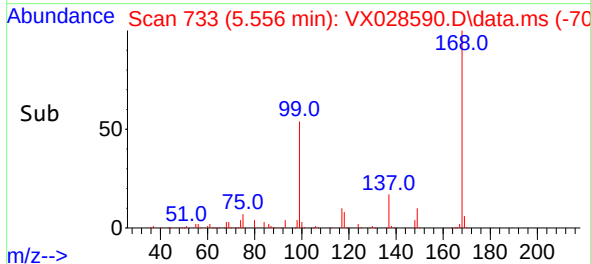
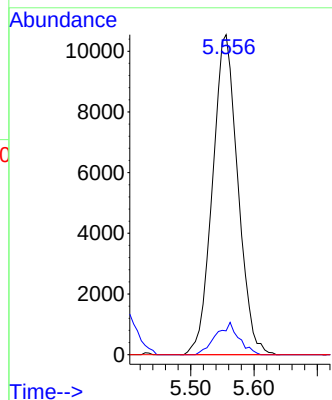
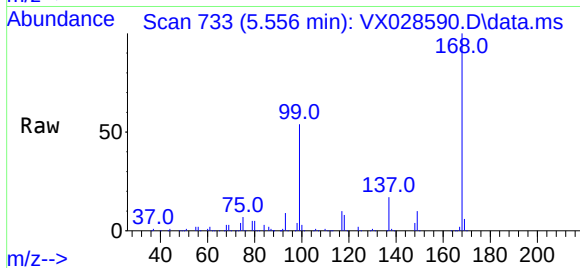




#36
1,1-Dichloropropene
Concen: 4.539 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

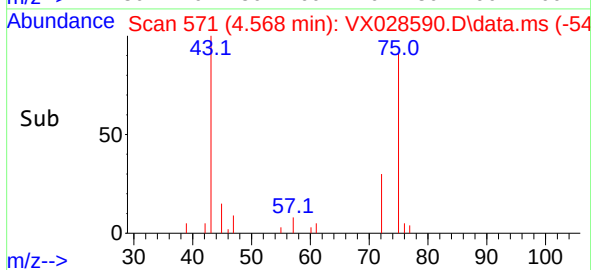
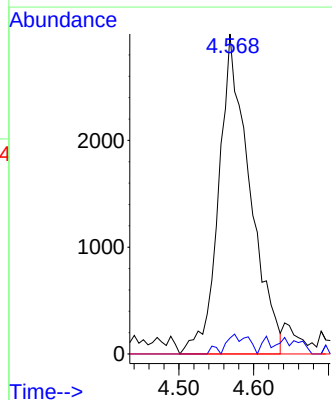
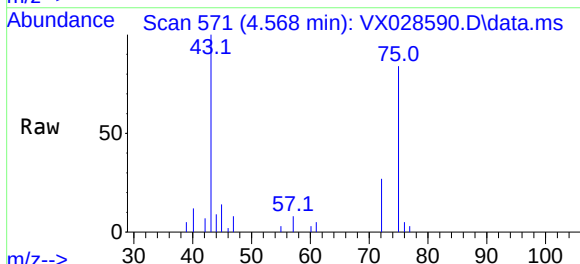
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#03

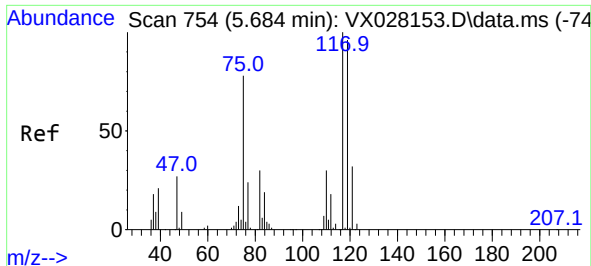
Tgt Ion: 75 Resp: 29318
Ion Ratio Lower Upper
75 100
110 9.2 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.318 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.140 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

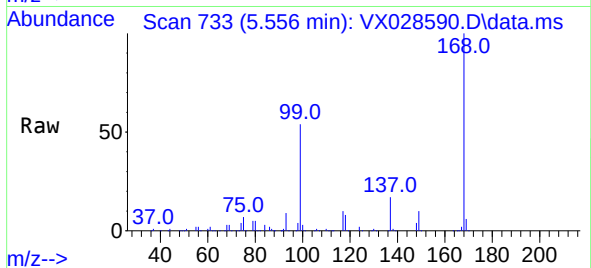
Tgt Ion: 43 Resp: 8639
Ion Ratio Lower Upper
43 100
61 4.6 12.6 19.0#
70 0.0 10.2 15.2#



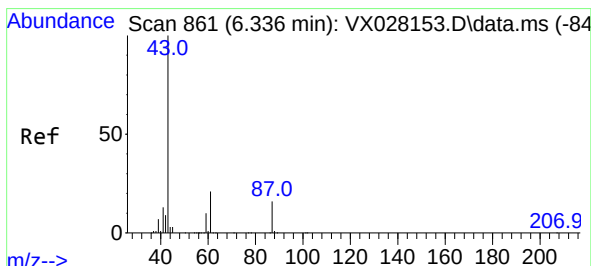
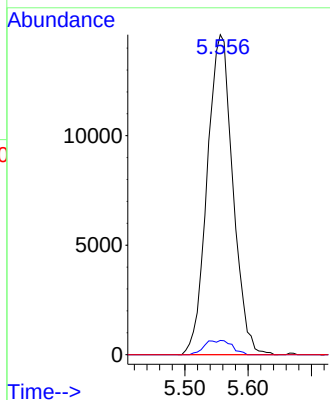
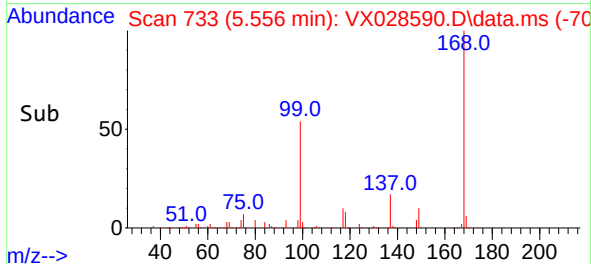


#38
Carbon Tetrachloride
Concen: 5.651 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

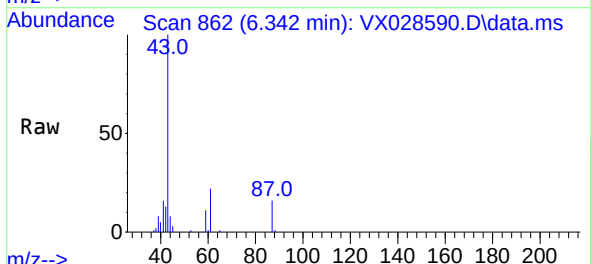
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#03



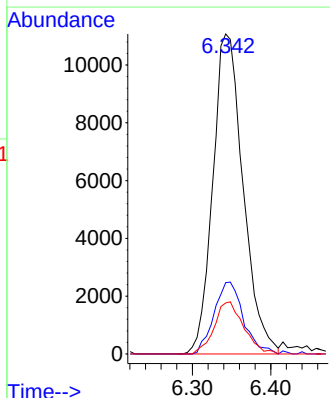
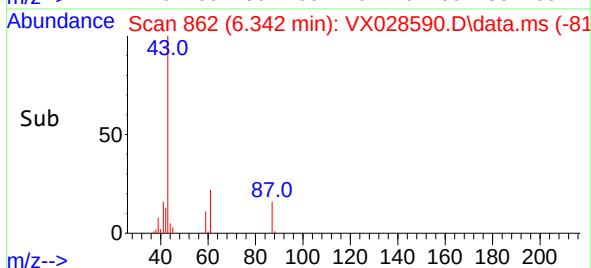
Tgt Ion:117 Resp: 41203
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 24.2 36.2#

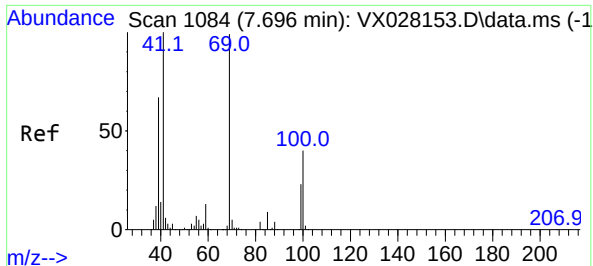


#43
Isopropyl Acetate
Concen: 2.787 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16



Tgt Ion: 43 Resp: 29730
Ion Ratio Lower Upper
43 100
61 21.8 18.5 27.7
87 15.8 13.0 19.6





#48

Methyl methacrylate

Concen: 35.091 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX028590.D

Acq: 10 May 2022 13:16

Instrument :

MSVOA_X

ClientSampleId :

PB144702ZHE#03

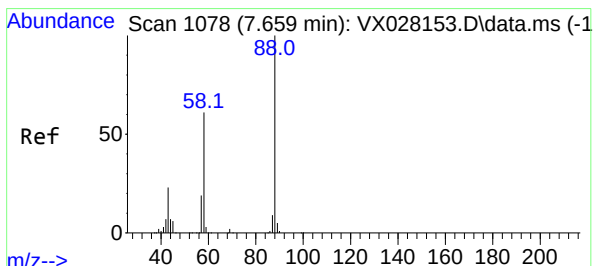
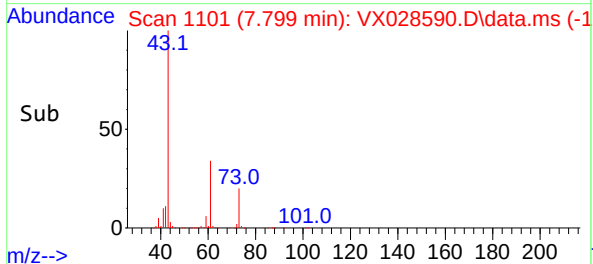
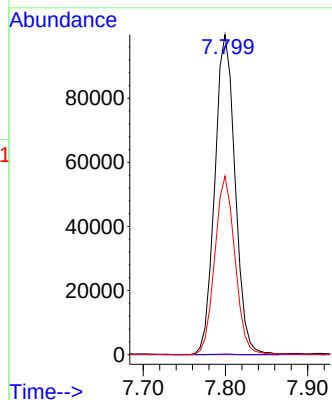
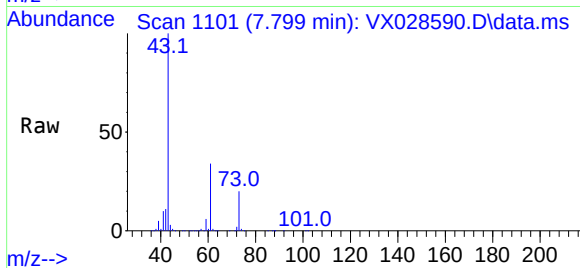
Tgt Ion: 41 Resp: 171845

Ion Ratio Lower Upper

41 100

69 0.2 82.5 123.7#

39 55.7 43.8 65.8



#49

1,4-Dioxane

Concen: 2.901 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX028590.D

Acq: 10 May 2022 13:16

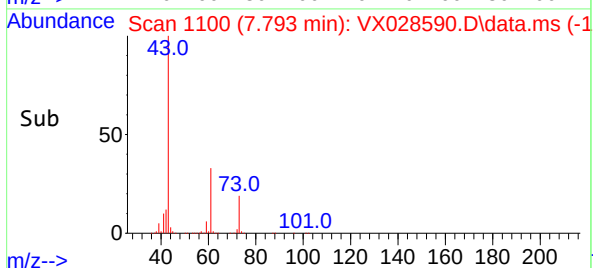
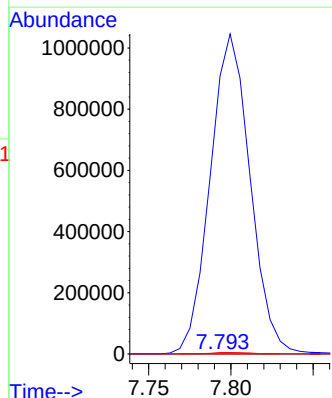
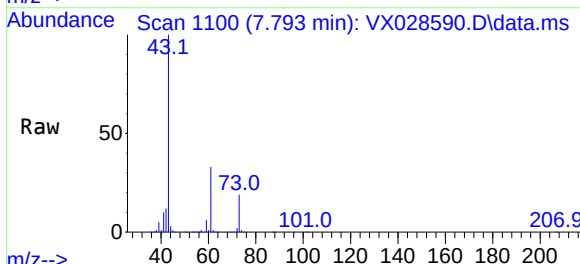
Tgt Ion: 88 Resp: 380

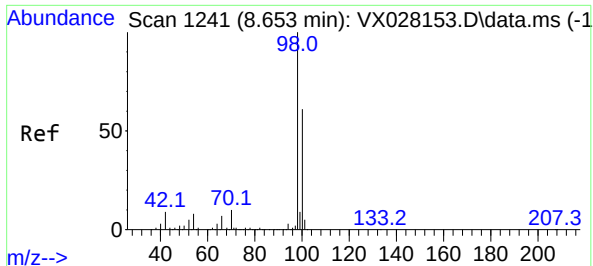
Ion Ratio Lower Upper

88 100

43 468163.4 21.9 32.9#

58 2192.6 53.7 80.5#

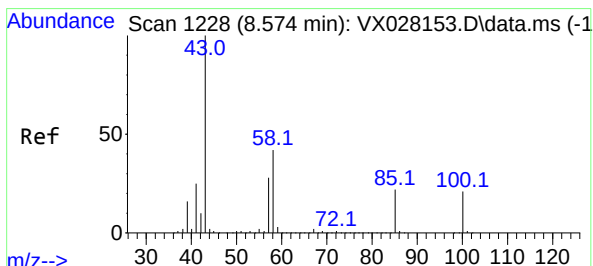
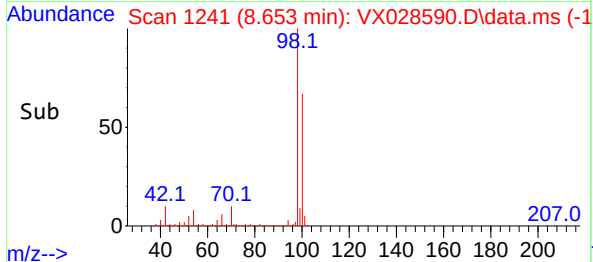
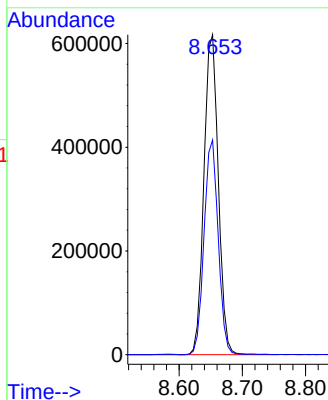
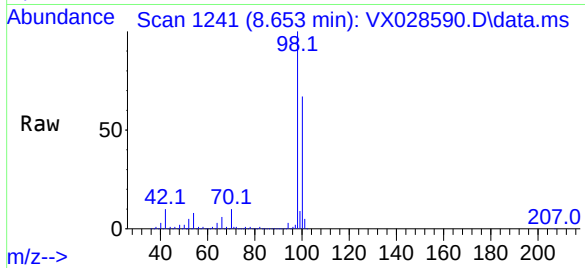




#50
Toluene-d8
Concen: 51.407 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

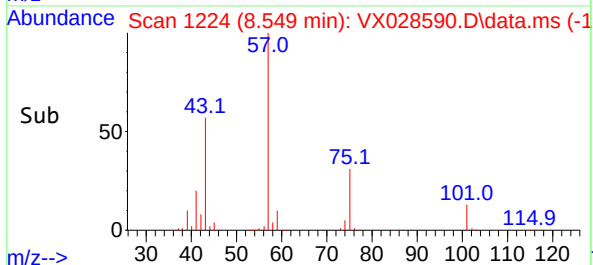
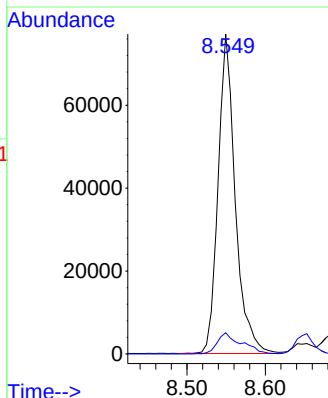
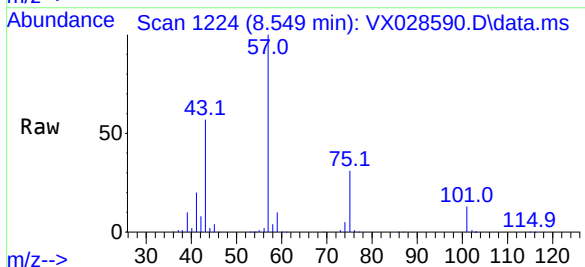
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#03

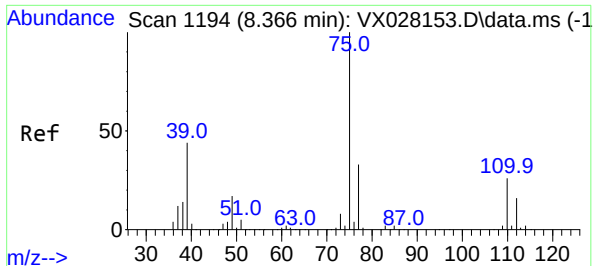
Tgt Ion: 98 Resp: 977680
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 17.203 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

Tgt Ion: 43 Resp: 117749
Ion Ratio Lower Upper
43 100
58 9.3 36.1 54.1#

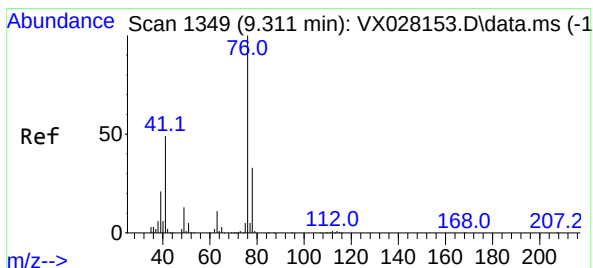
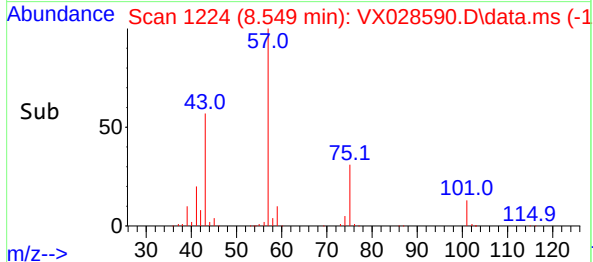
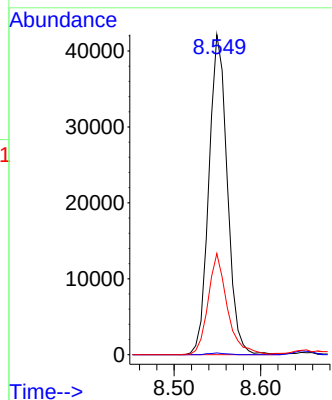
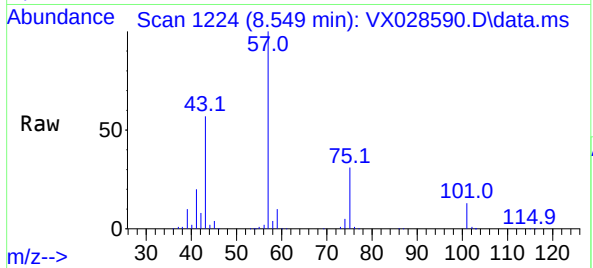




#54
cis-1,3-Dichloropropene
Concen: 7.819 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

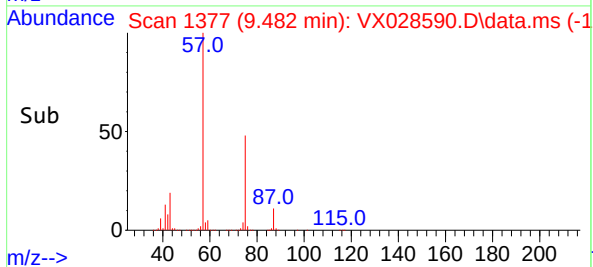
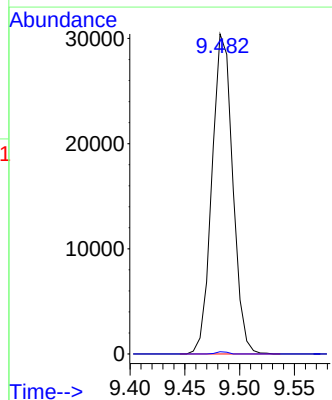
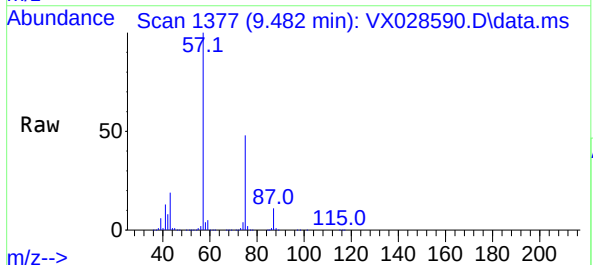
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#03

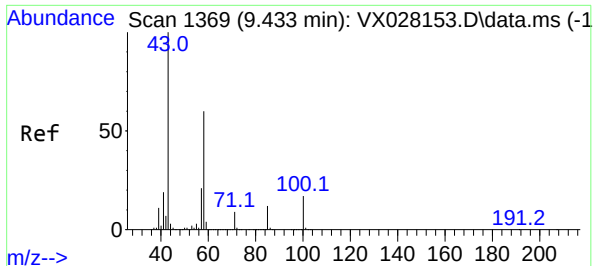
Tgt Ion: 75 Resp: 62263
Ion Ratio Lower Upper
75 100
77 0.6 24.8 37.2#
39 31.6 29.6 44.4



#57
1,3-Dichloropropane
Concen: 4.661 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

Tgt Ion: 76 Resp: 40146
Ion Ratio Lower Upper
76 100
78 0.4 25.8 38.8#





#59

2-Hexanone

Concen: 84.120 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX028590.D

Acq: 10 May 2022 13:16

Instrument :

MSVOA_X

ClientSampleId :

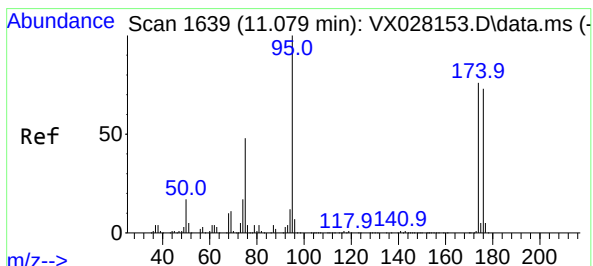
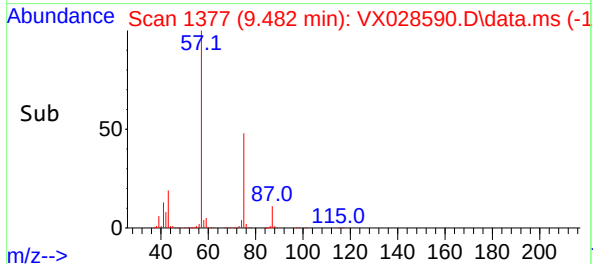
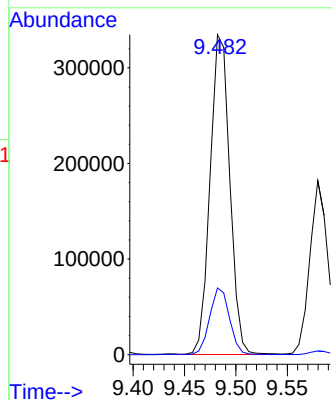
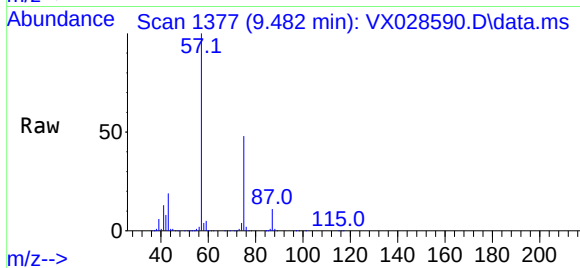
PB144702ZHE#03

Tgt Ion: 43 Resp: 446013

Ion Ratio Lower Upper

43 100

58 21.1 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 49.785 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028590.D

Acq: 10 May 2022 13:16

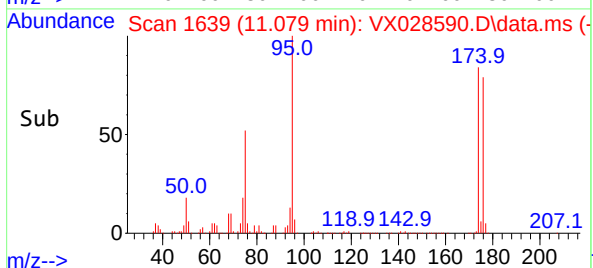
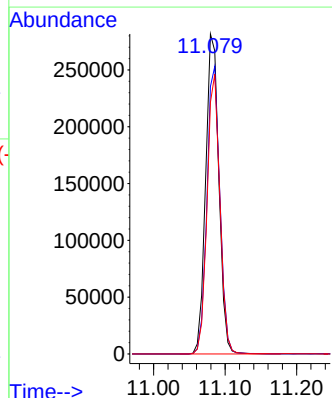
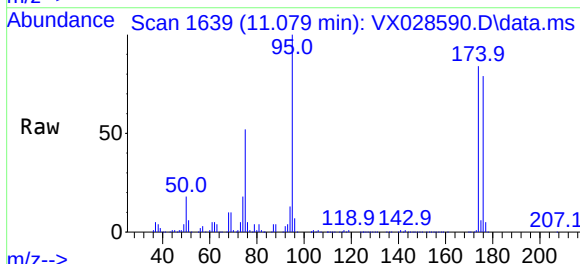
Tgt Ion: 95 Resp: 362029

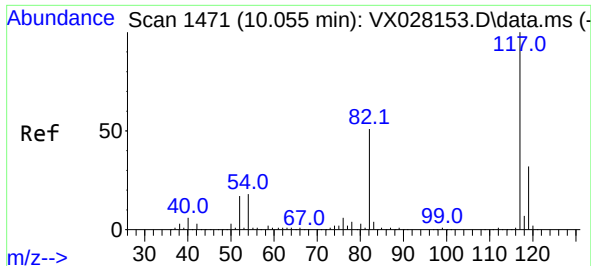
Ion Ratio Lower Upper

95 100

174 88.3 0.0 163.0

176 84.9 0.0 155.0

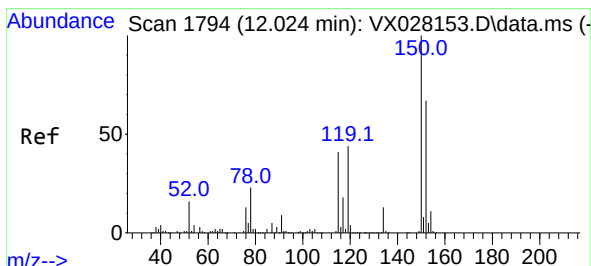
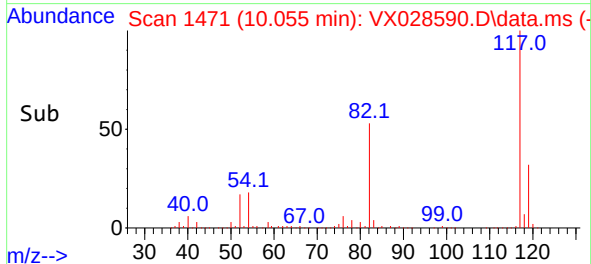
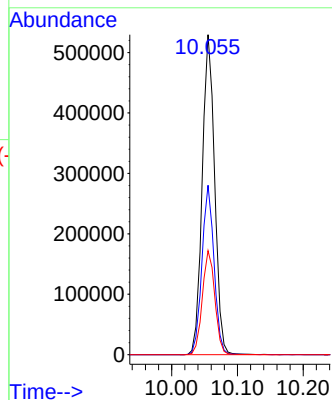
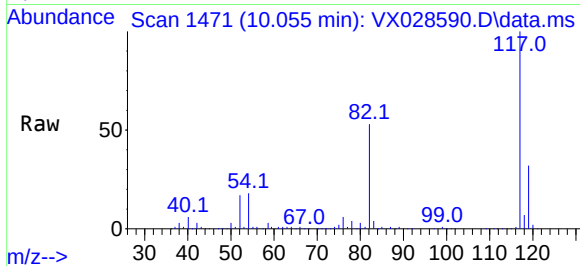




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

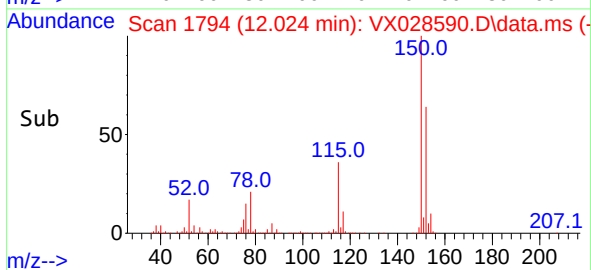
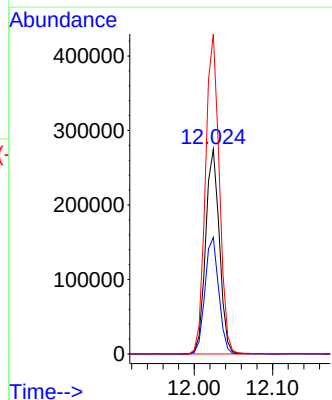
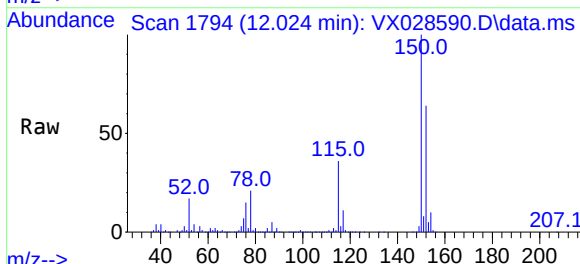
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#03

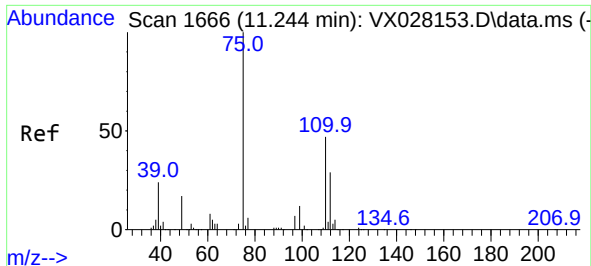
Tgt Ion:117 Resp: 695104
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.8
119 32.5 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

Tgt Ion:152 Resp: 334915
Ion Ratio Lower Upper
152 100
115 57.2 37.5 112.7
150 157.1 0.0 338.2

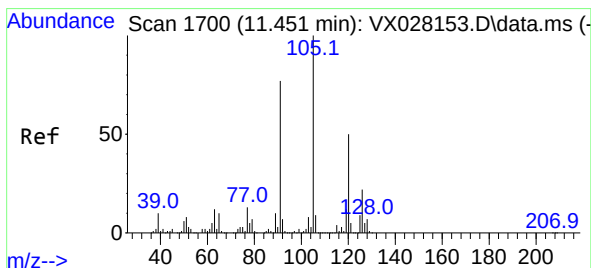
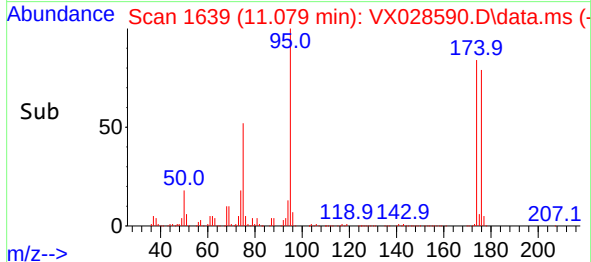
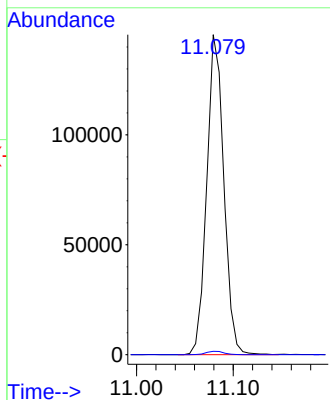
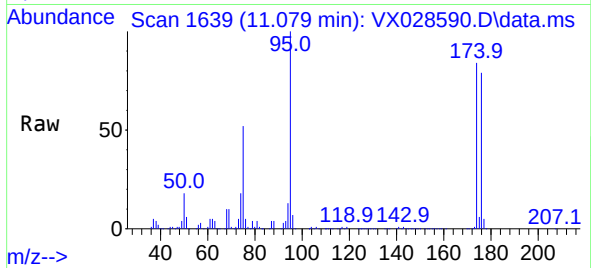




#76
1,2,3-Trichloropropane
Concen: 27.121 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.165 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

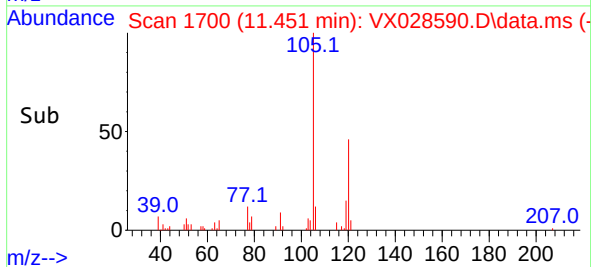
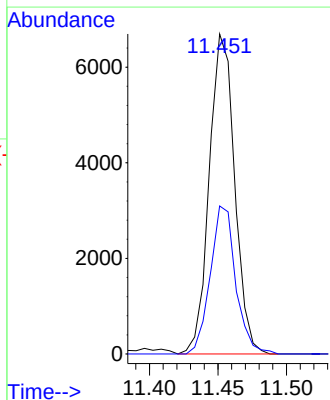
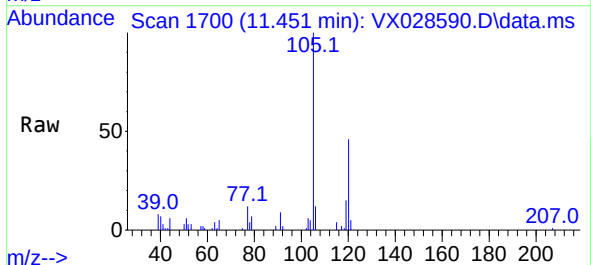
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#03

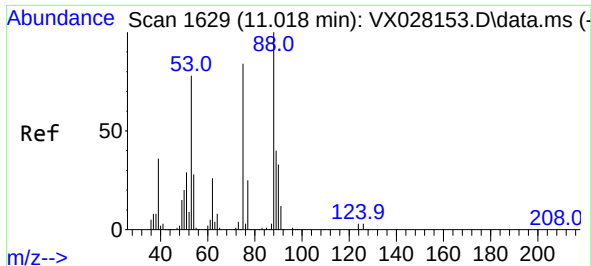
Tgt Ion: 75 Resp: 178762
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.441 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028590.D
Acq: 10 May 2022 13:16

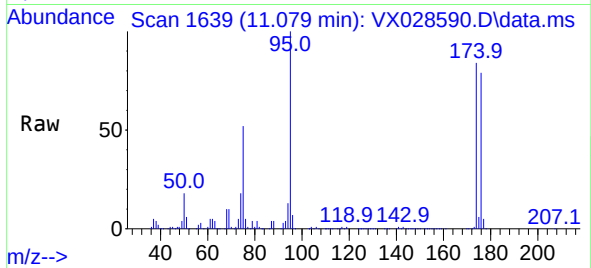
Tgt Ion: 105 Resp: 8613
Ion Ratio Lower Upper
105 100
120 46.4 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.596 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028590.D
 Acq: 10 May 2022 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#03



Tgt Ion: 75 Resp: 178762
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

