

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050622\
 Data File : VX028550.D
 Acq On : 06 May 2022 15:22
 Operator : JC/MD
 Sample : PB144610ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610ZHE#07

Quant Time: May 07 06:02:49 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)

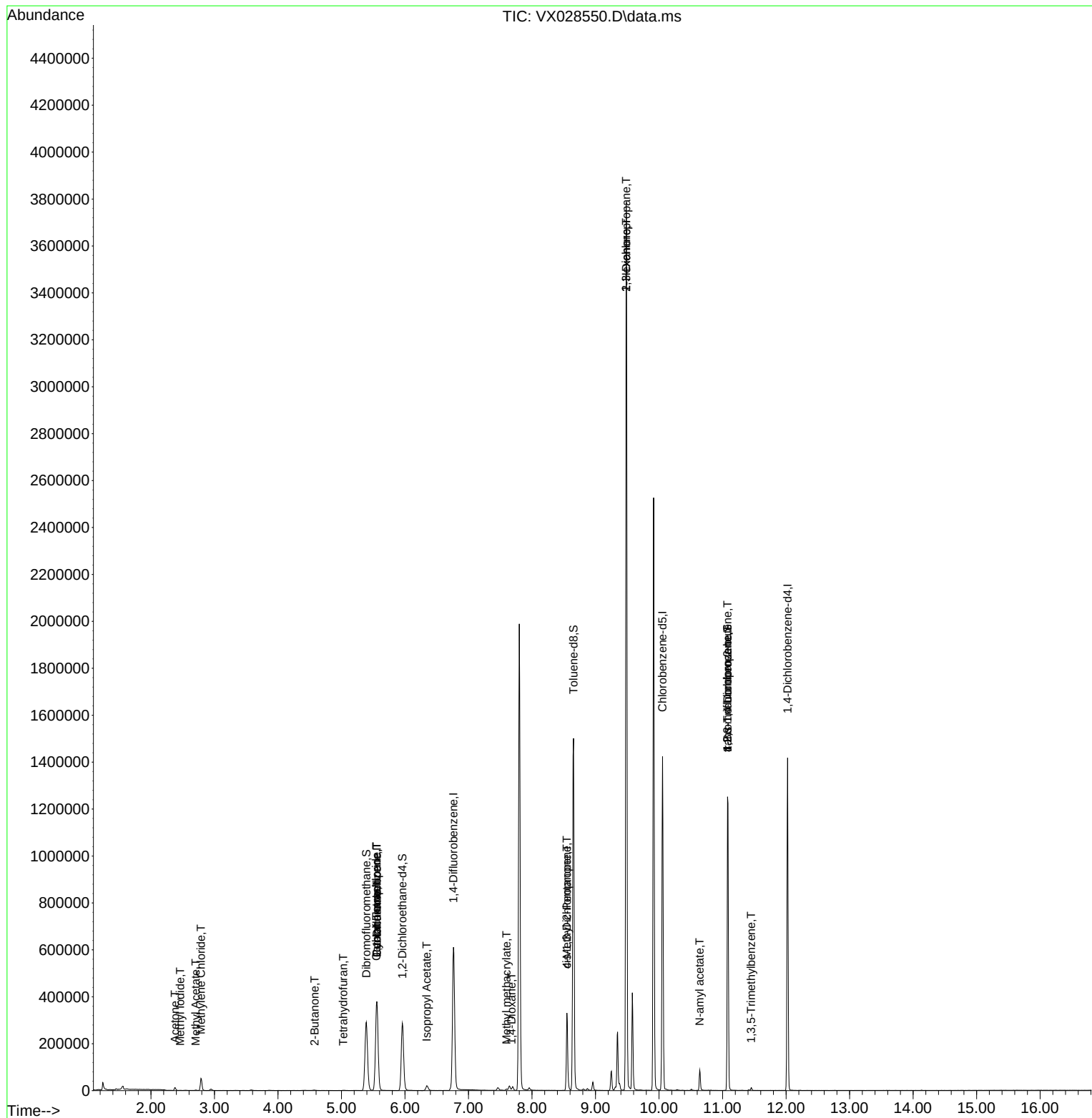
Internal Standards						
1) Pentafluorobenzene	5.556	168	375281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	652163	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	644090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	292900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	270338	55.247	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.500%			
35) Dibromofluoromethane	5.391	113	252549	55.219	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 110.440%			
50) Toluene-d8	8.653	98	915547	52.120	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.240%			
62) 4-Bromofluorobenzene	11.079	95	333042	49.585	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.180%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	466	Below Cal	#	85
5) Bromomethane	1.618	94	1102	Below Cal	#	79
6) Chloroethane	1.678	64	576	Below Cal	#	43
8) Diethyl Ether	1.904	74	21	Below Cal	#	7
10) Methyl Iodide	2.459	142	525	5.348	ug/l #	77
11) Tert butyl alcohol	2.947	59	3193	Below Cal	#	72
16) Acetone	2.380	43	12516	7.018	ug/l	98
18) Methyl Acetate	2.703	43	2549	0.586	ug/l #	88
20) Methylene Chloride	2.788	84	24271	6.685	ug/l	97
25) 2-Butanone	4.574	43	2503	0.864	ug/l #	80
29) Tetrahydrofuran	5.025	42	721	0.382	ug/l #	71
31) Cyclohexane	5.556	56	7203	1.208	ug/l #	19
36) 1,1-Dichloropropene	5.556	75	27480	4.606	ug/l #	49
38) Carbon Tetrachloride	5.550	117	36818	5.467	ug/l #	15
43) Isopropyl Acetate	6.342	43	27309	2.772	ug/l	98
48) Methyl methacrylate	7.598	41	7784	1.721	ug/l #	7
49) 1,4-Dioxane	7.677	88	62	0.512	ug/l #	25
51) 4-Methyl-2-Pentanone	8.549	43	102770	16.256	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	55576	7.556	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	37013	4.652	ug/l #	43
59) 2-Hexanone	9.482	43	418432	85.443	ug/l #	45
74) N-amyl acetate	10.640	43	18434	2.649	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	166061	28.808	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	5148	0.301	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	166061	85.609	ug/l #	15

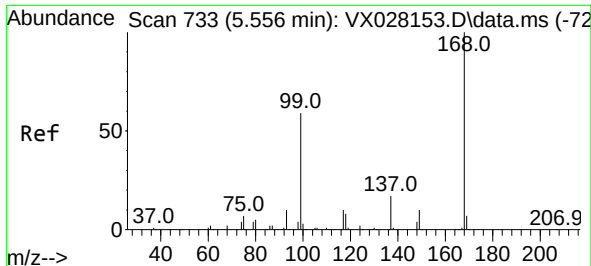
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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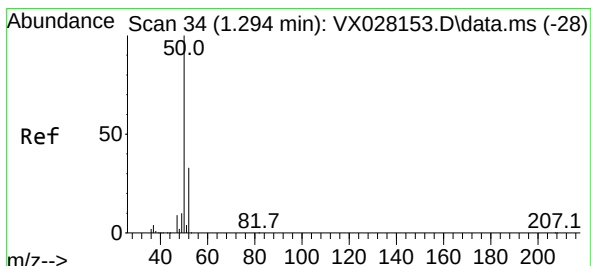
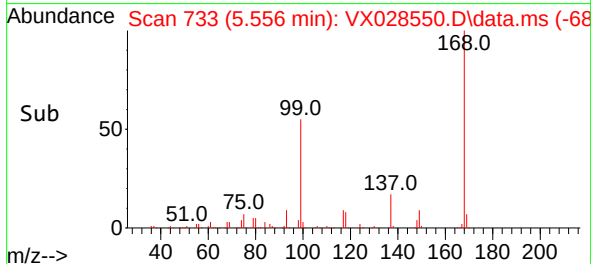
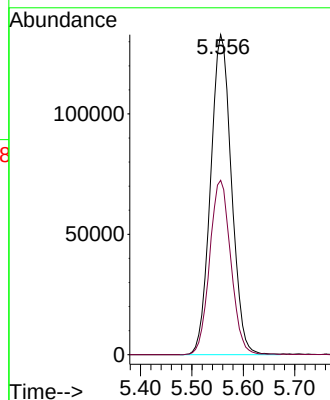
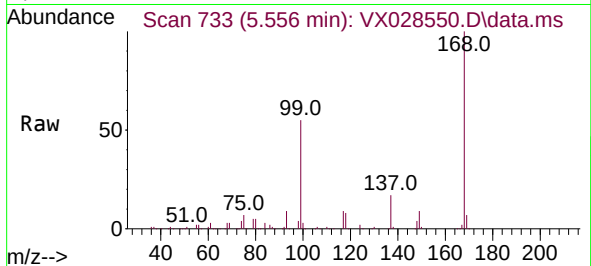




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

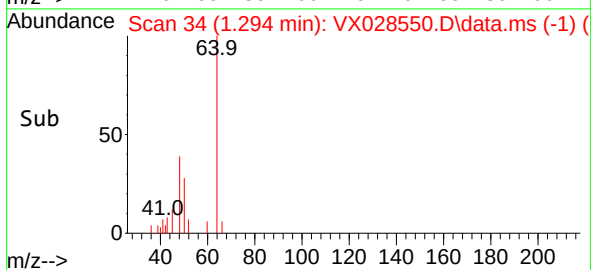
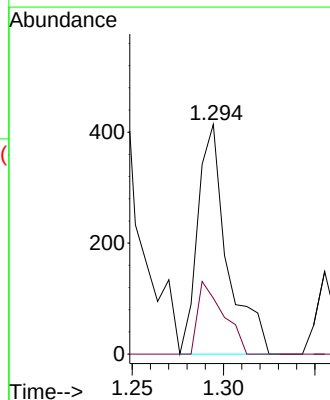
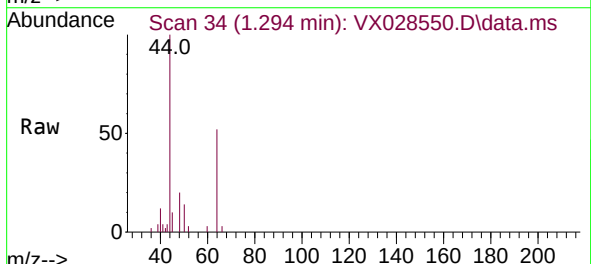
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#07

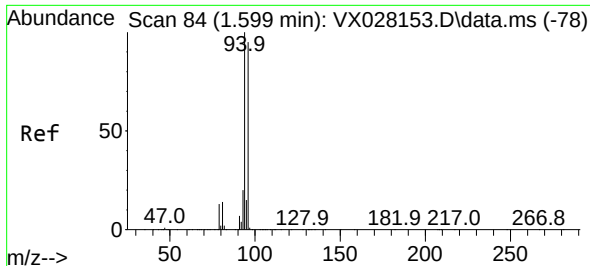
Tgt Ion:168 Resp: 375281
Ion Ratio Lower Upper
168 100
99 54.5 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

Tgt Ion: 50 Resp: 466
Ion Ratio Lower Upper
50 100
52 24.4 26.4 39.6#

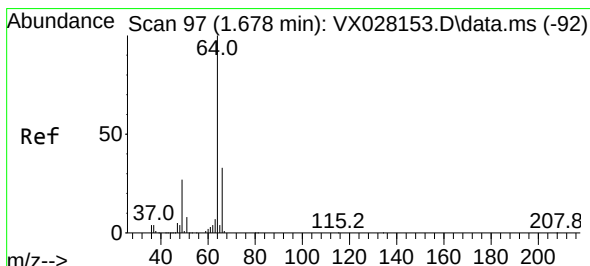
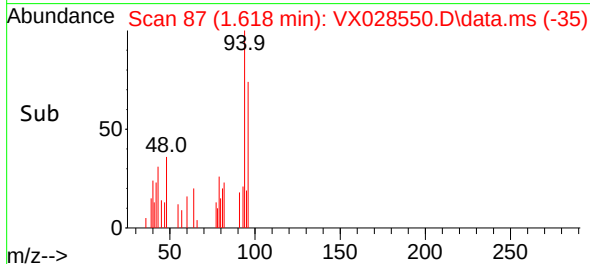
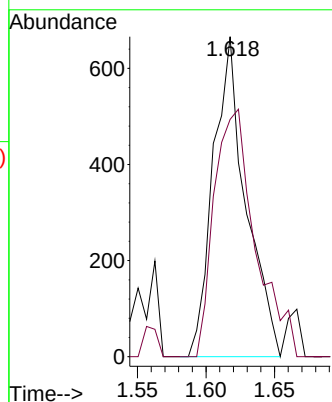
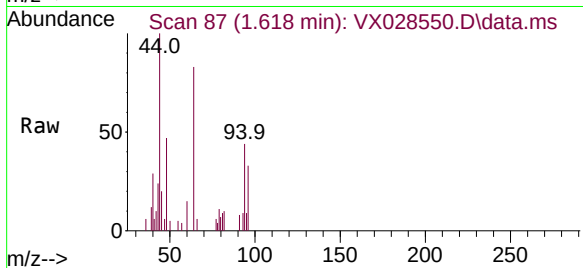




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

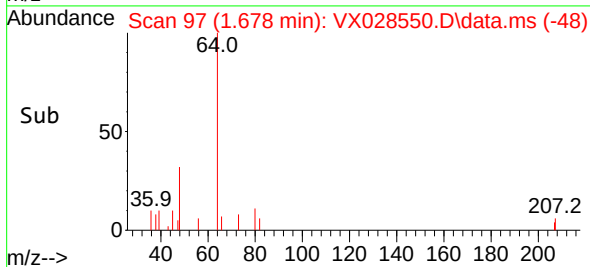
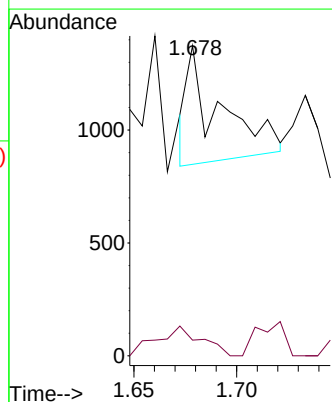
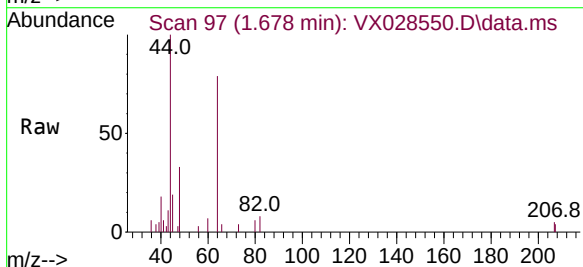
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#07

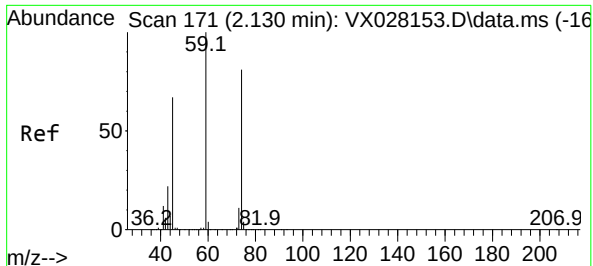
Tgt Ion: 94 Resp: 1102
Ion Ratio Lower Upper
94 100
96 74.2 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.678 min Scan# 97
Delta R.T. 0.000 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

Tgt Ion: 64 Resp: 576
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

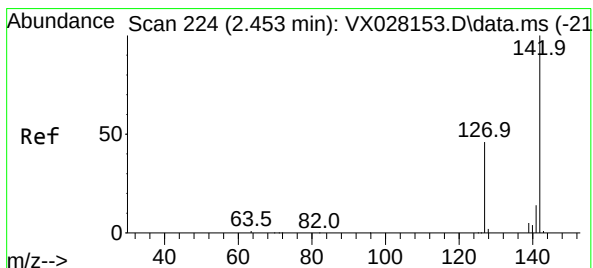
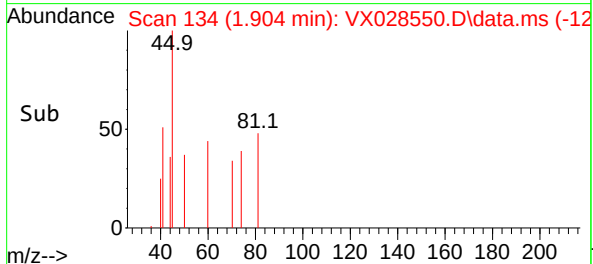
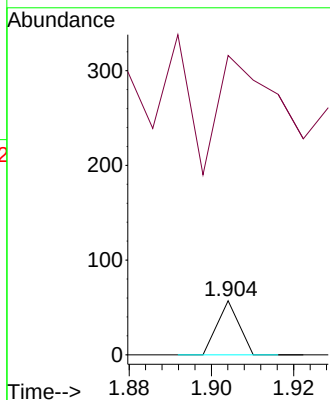
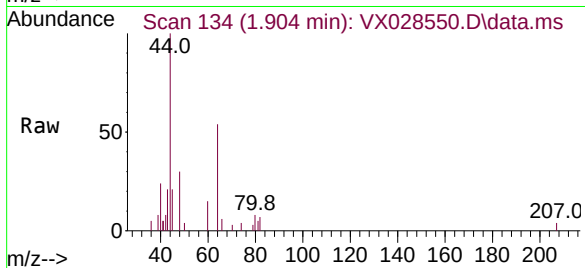




#8
Diethyl Ether
Concen: Below Cal
RT: 1.904 min Scan# 11
Delta R.T. -0.226 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

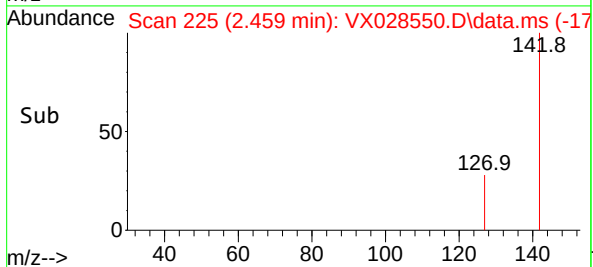
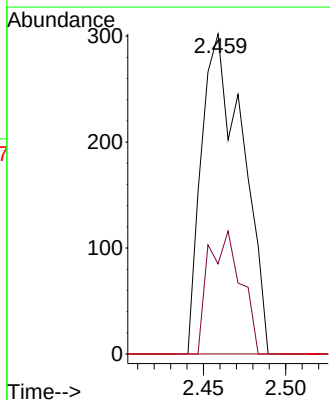
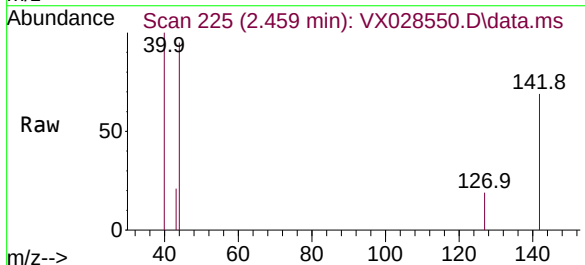
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#07

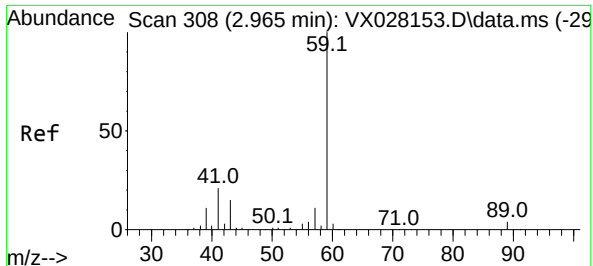
Tgt Ion: 74 Resp: 21
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.348 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

Tgt Ion: 142 Resp: 525
Ion Ratio Lower Upper
142 100
127 30.3 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: VX028550.D

Acq: 06 May 2022 15:22

Instrument :

MSVOA_X

ClientSampleId :

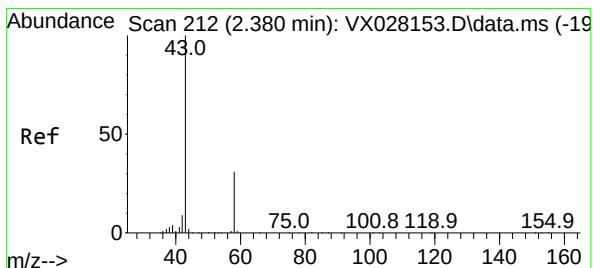
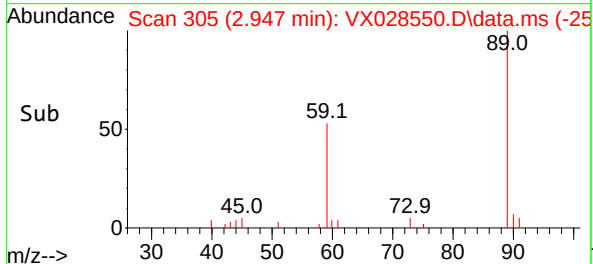
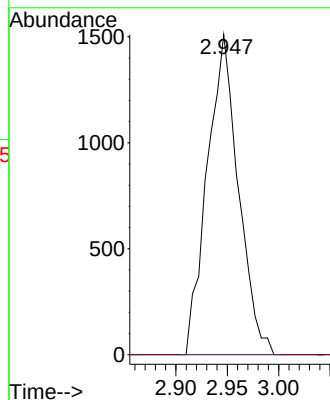
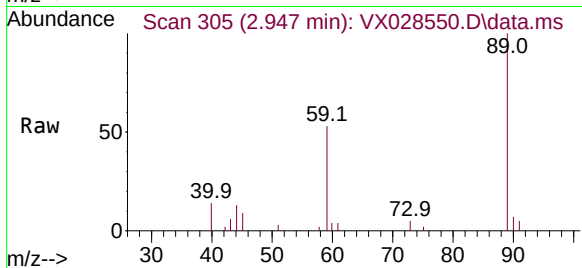
PB144610ZHE#07

Tgt Ion: 59 Resp: 3193

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 7.018 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028550.D

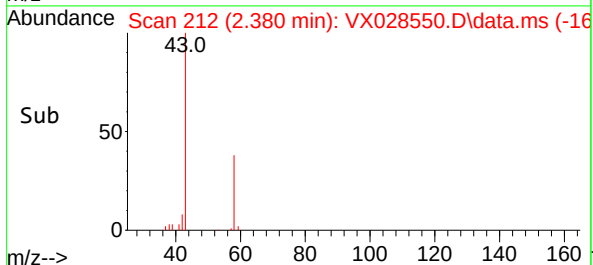
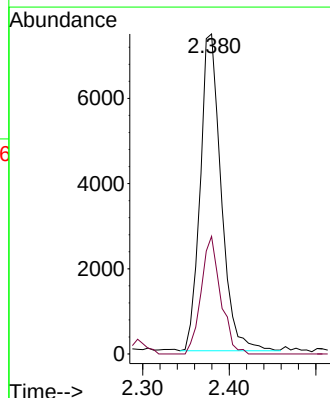
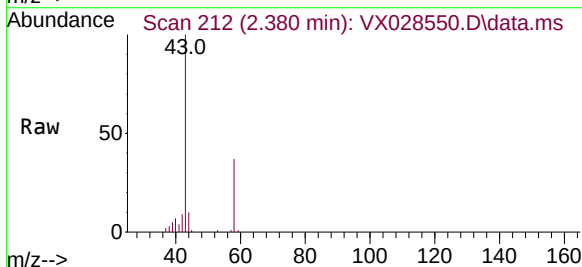
Acq: 06 May 2022 15:22

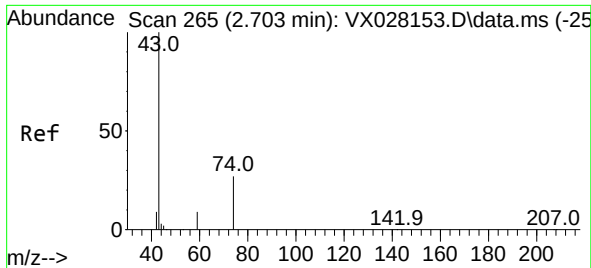
Tgt Ion: 43 Resp: 12516

Ion Ratio Lower Upper

43 100

58 37.1 28.8 43.2

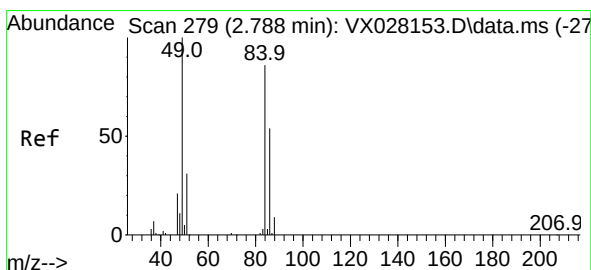
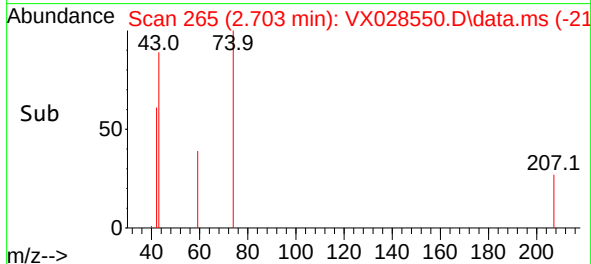
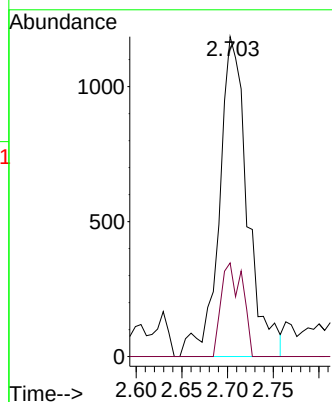
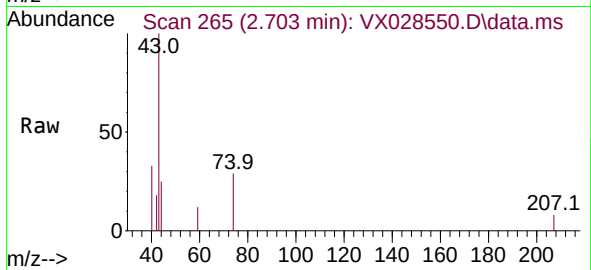




#18
Methyl Acetate
Concen: 0.586 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

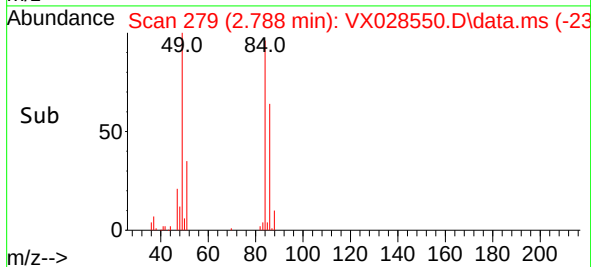
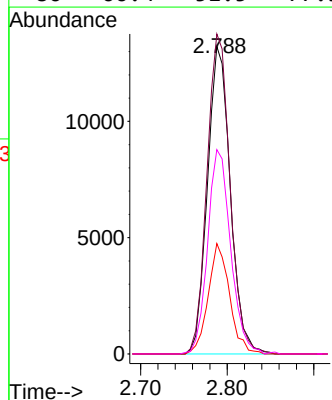
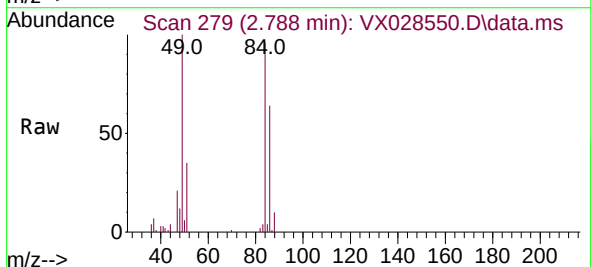
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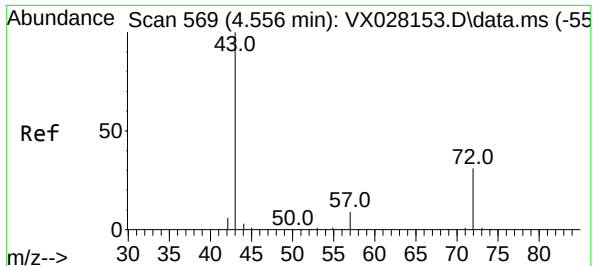
Tgt Ion: 43 Resp: 2549
Ion Ratio Lower Upper
43 100
74 21.9 22.8 34.2#



#20
Methylene Chloride
Concen: 6.685 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

Tgt Ion: 84 Resp: 24271
Ion Ratio Lower Upper
84 100
49 104.1 85.5 128.3
51 35.9 26.6 39.8
86 66.4 51.5 77.3





#25

2-Butanone

Concen: 0.864 ug/l

RT: 4.574 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX028550.D

Acq: 06 May 2022 15:22

Instrument :

MSVOA_X

ClientSampleId :

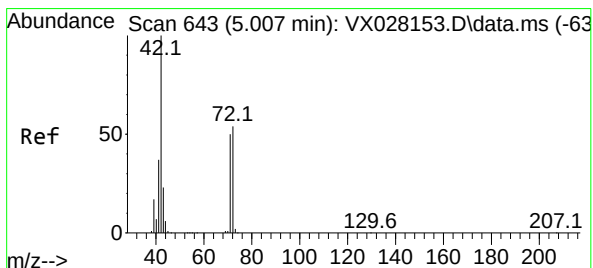
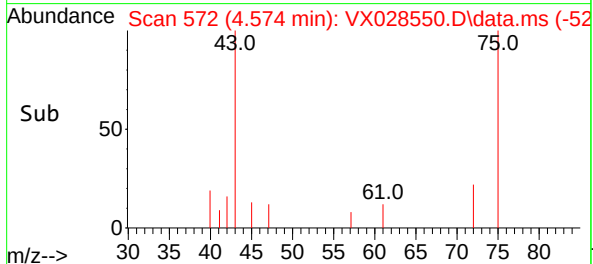
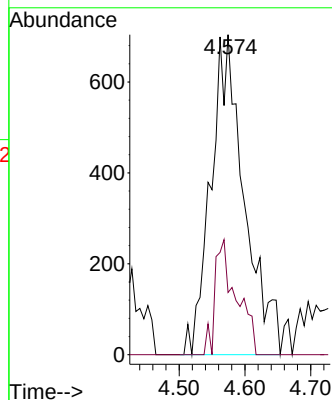
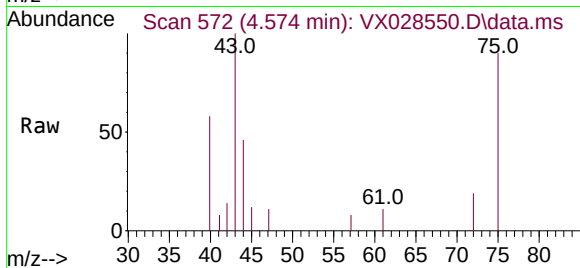
PB144610ZHE#07

Tgt Ion: 43 Resp: 2503

Ion Ratio Lower Upper

43 100

72 19.5 24.4 36.6#



#29

Tetrahydrofuran

Concen: 0.382 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.018 min

Lab File: VX028550.D

Acq: 06 May 2022 15:22

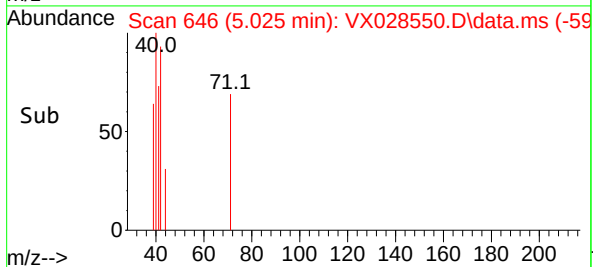
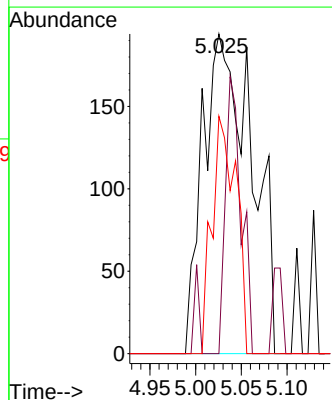
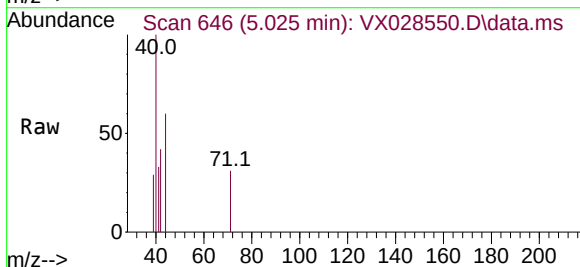
Tgt Ion: 42 Resp: 721

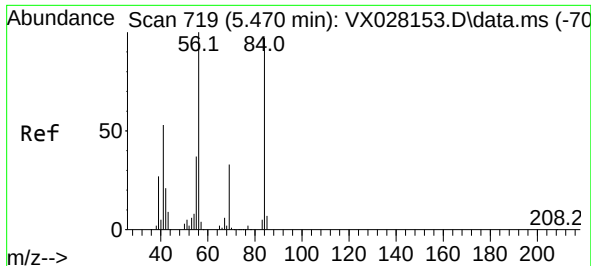
Ion Ratio Lower Upper

42 100

72 28.0 44.1 66.1#

71 36.9 40.5 60.7#

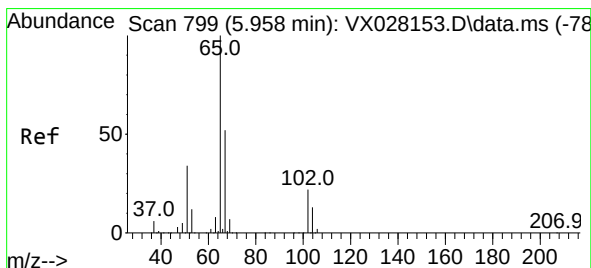
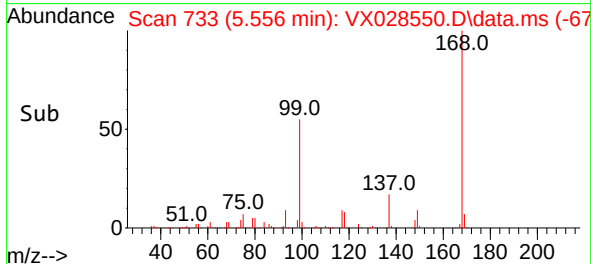
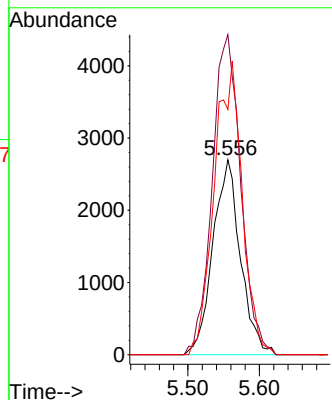
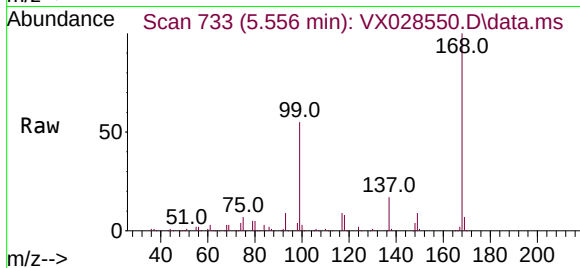




#31
Cyclohexane
Concen: 1.208 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

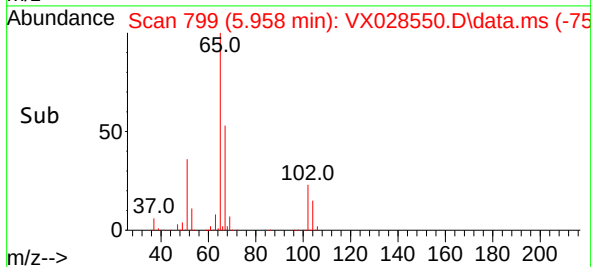
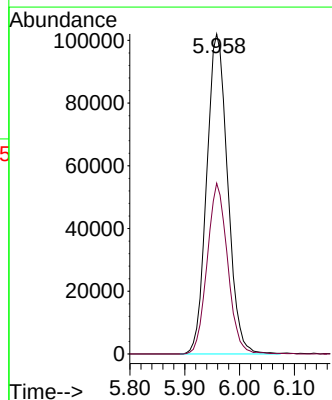
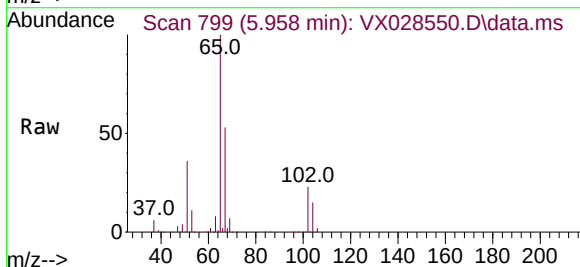
Instrument :
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ClientSampleId :
PB144610ZHE#07

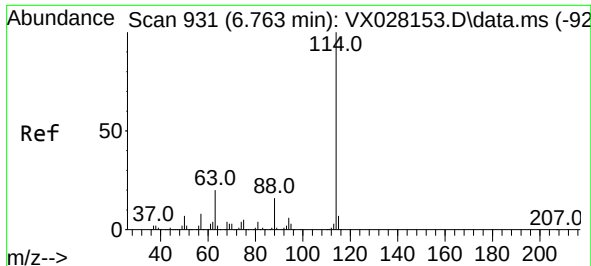
Tgt Ion: 56 Resp: 7203
Ion Ratio Lower Upper
56 100
69 164.2 26.7 40.1#
84 125.9 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 55.247 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

Tgt Ion: 65 Resp: 270338
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.4

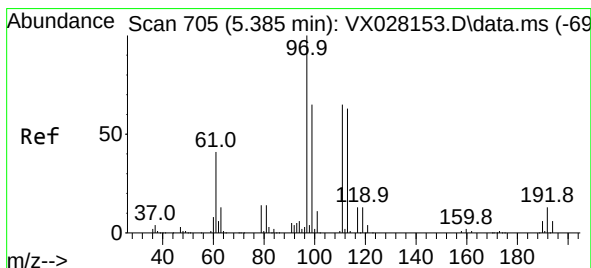
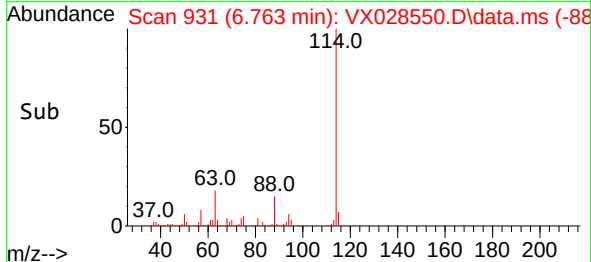
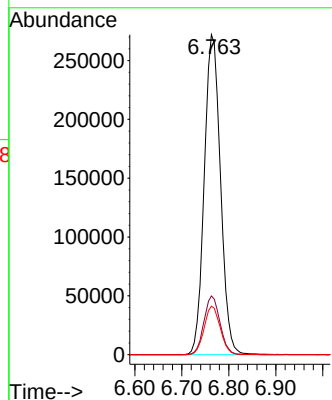
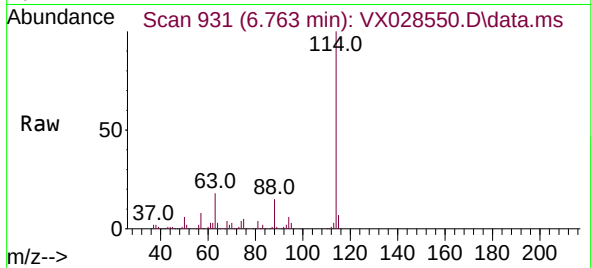




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

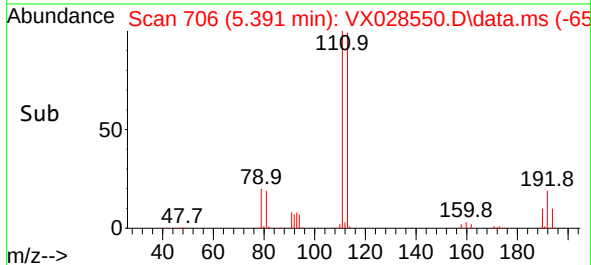
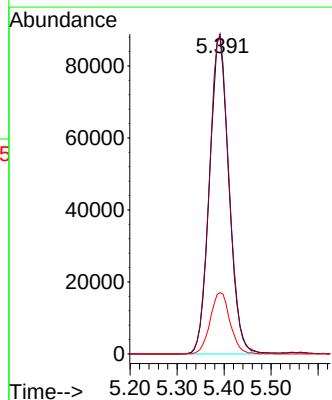
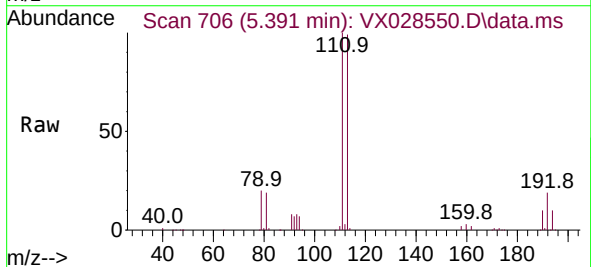
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#07

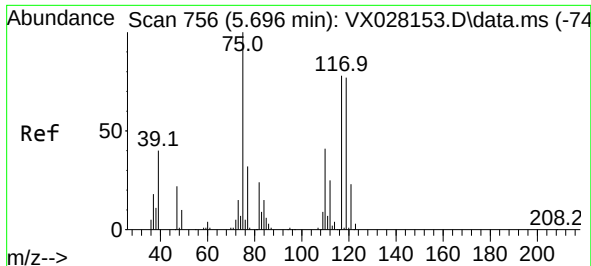
Tgt Ion:114 Resp: 652163
Ion Ratio Lower Upper
114 100
63 18.3 0.0 36.8
88 15.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 55.219 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

Tgt Ion:113 Resp: 252549
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 19.8 16.9 25.3

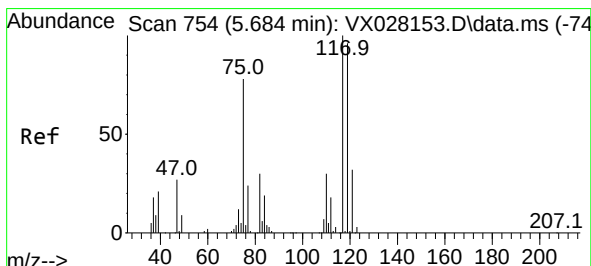
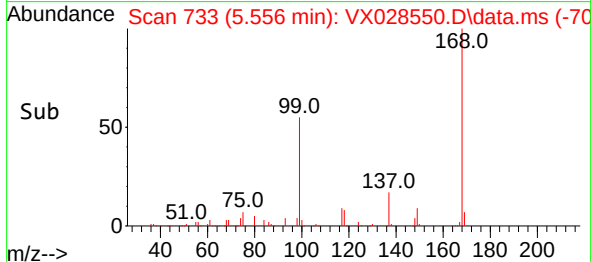
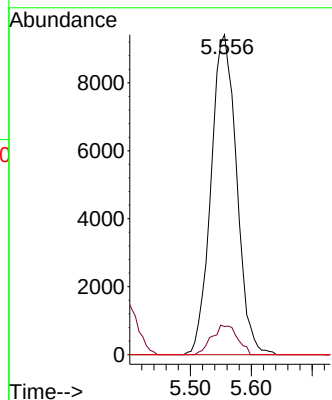
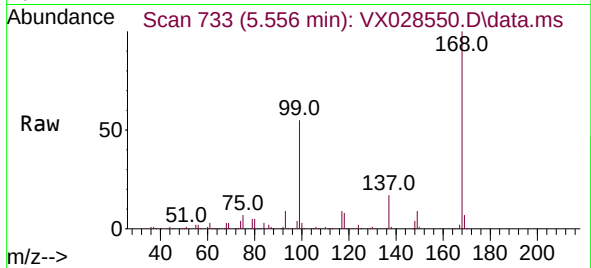




#36
1,1-Dichloropropene
Concen: 4.606 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

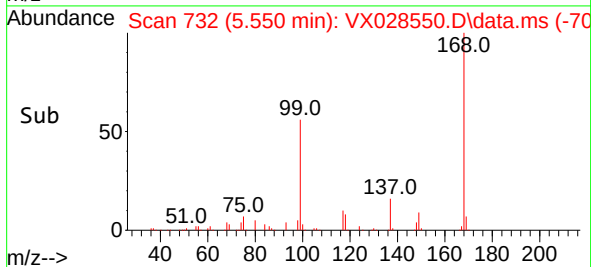
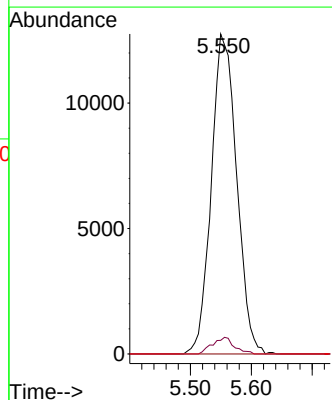
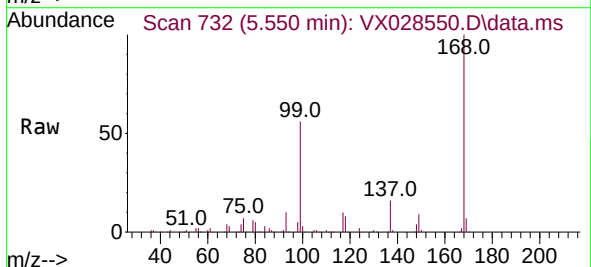
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#07

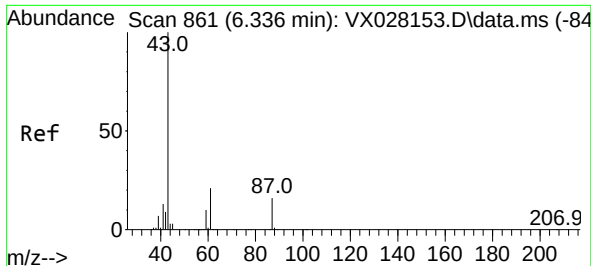
Tgt Ion: 75 Resp: 27480
Ion Ratio Lower Upper
75 100
110 9.2 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.467 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

Tgt Ion: 117 Resp: 36818
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.2 36.2#

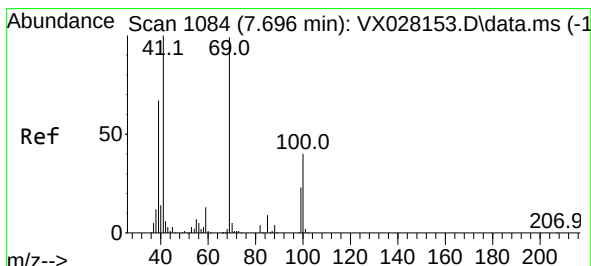
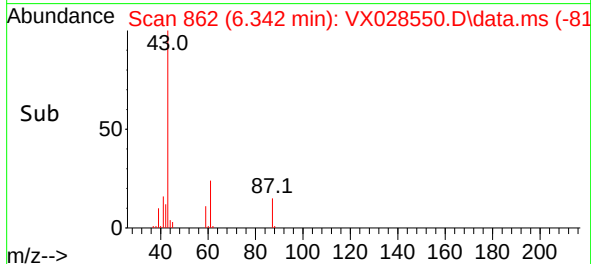
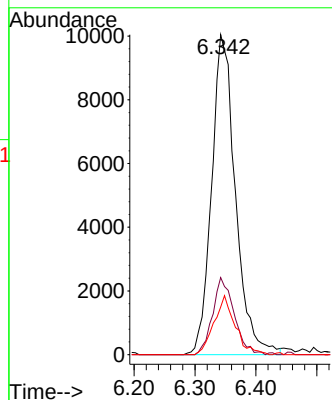
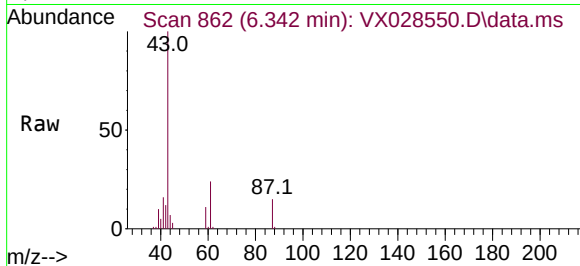




#43
Isopropyl Acetate
Concen: 2.772 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

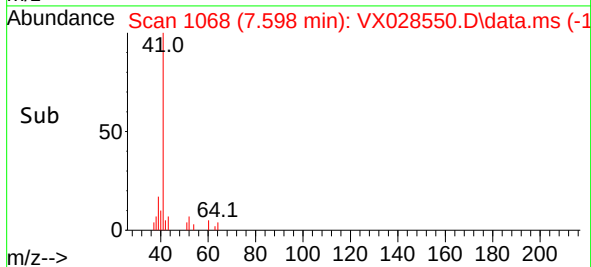
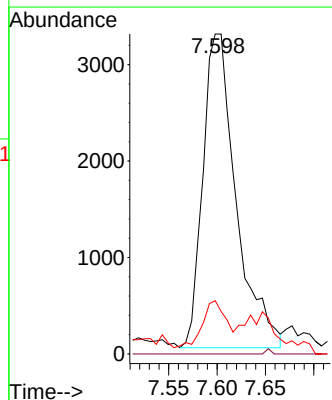
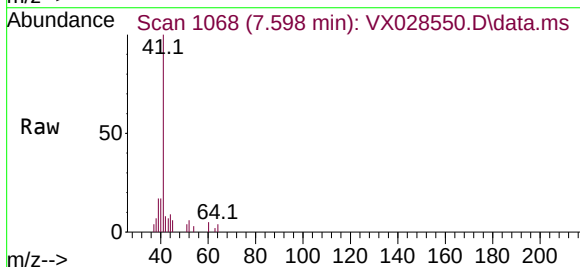
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#07

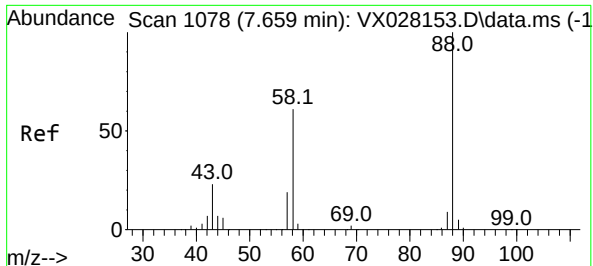
Tgt Ion: 43 Resp: 27309
Ion Ratio Lower Upper
43 100
61 21.7 18.5 27.7
87 16.4 13.0 19.6



#48
Methyl methacrylate
Concen: 1.721 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

Tgt Ion: 41 Resp: 7784
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#





#49

1,4-Dioxane

Concen: 0.512 ug/l

RT: 7.677 min Scan# 1078

Delta R.T. 0.018 min

Lab File: VX028550.D

Acq: 06 May 2022 15:22

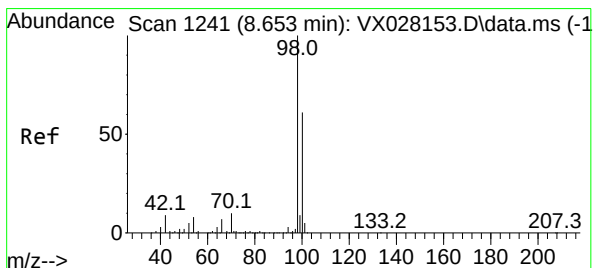
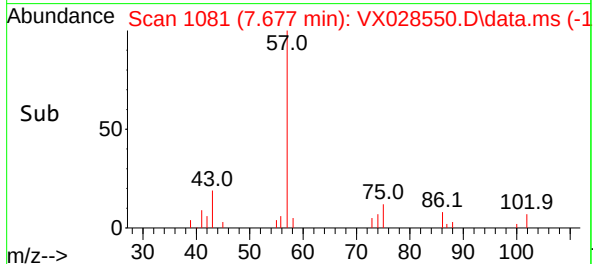
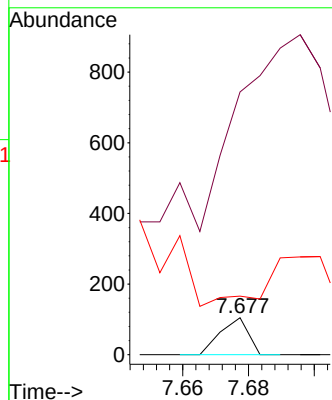
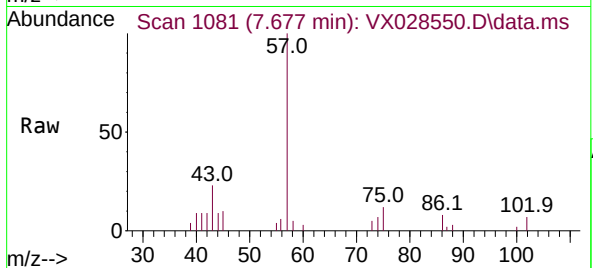
Instrument :

MSVOA_X

ClientSampleId :

PB144610ZHE#07

Tgt Ion: 88	Resp: 62
Ion Ratio	Lower Upper
88	100
43	0.0 21.9 32.9#
58	0.0 53.7 80.5#



#50

Toluene-d8

Concen: 52.120 ug/l

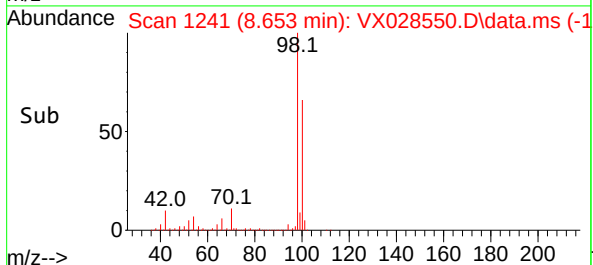
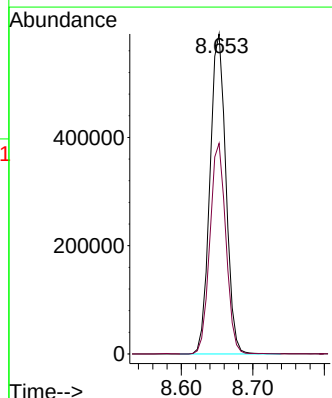
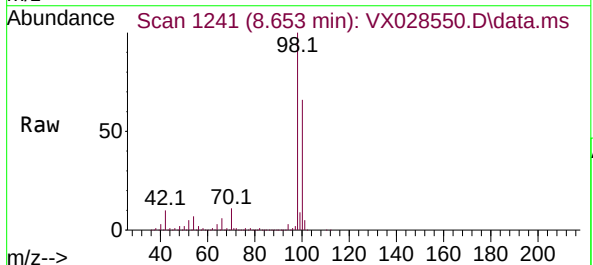
RT: 8.653 min Scan# 1241

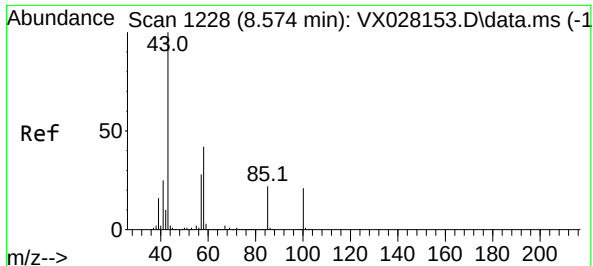
Delta R.T. -0.000 min

Lab File: VX028550.D

Acq: 06 May 2022 15:22

Tgt Ion: 98	Resp: 915547
Ion Ratio	Lower Upper
98	100
100	65.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 16.256 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028550.D

Acq: 06 May 2022 15:22

Instrument :

MSVOA_X

ClientSampleId :

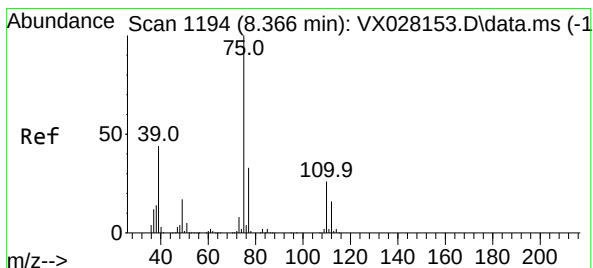
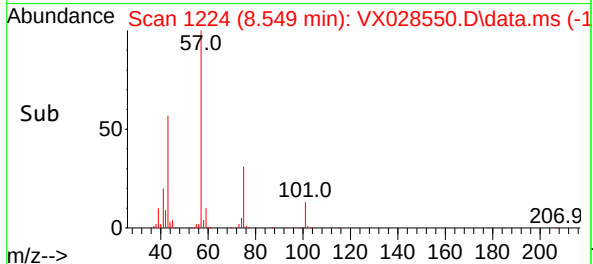
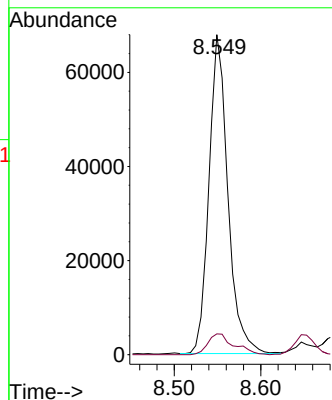
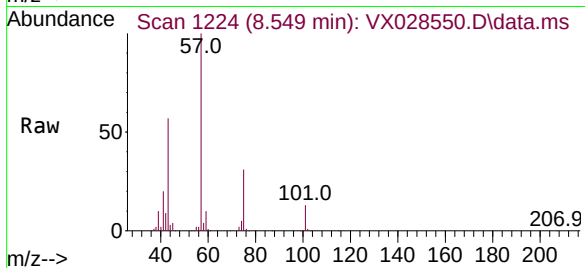
PB144610ZHE#07

Tgt Ion: 43 Resp: 102770

Ion Ratio Lower Upper

43 100

58 9.0 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.556 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028550.D

Acq: 06 May 2022 15:22

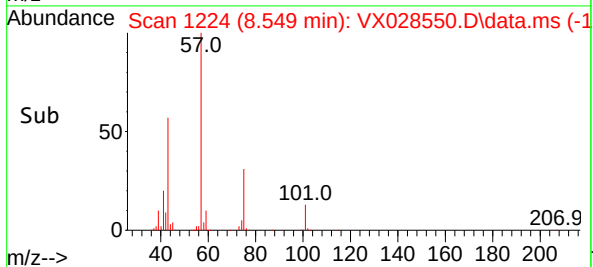
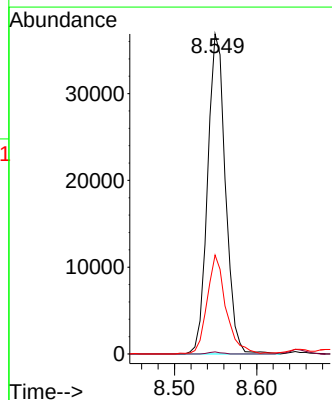
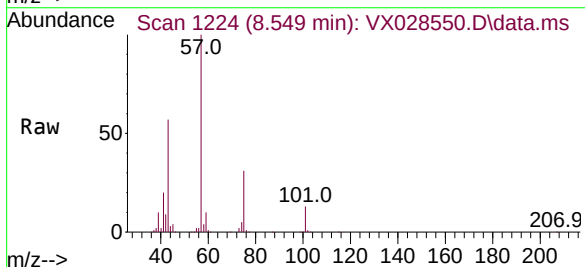
Tgt Ion: 75 Resp: 55576

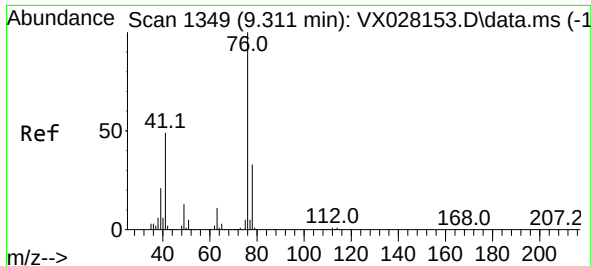
Ion Ratio Lower Upper

75 100

77 0.6 24.8 37.2#

39 30.6 29.6 44.4





#57

1,3-Dichloropropane

Concen: 4.652 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028550.D

Acq: 06 May 2022 15:22

Instrument :

MSVOA_X

ClientSampleId :

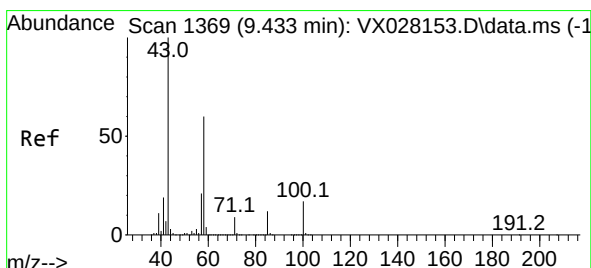
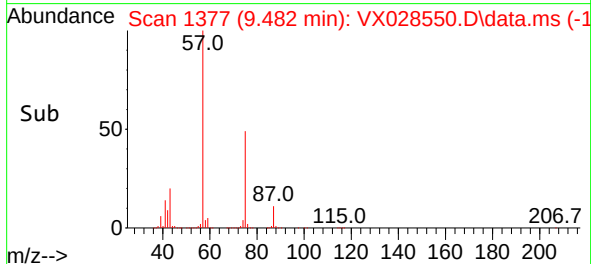
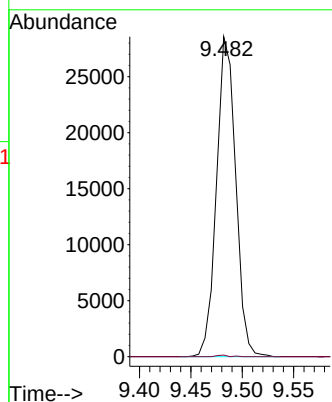
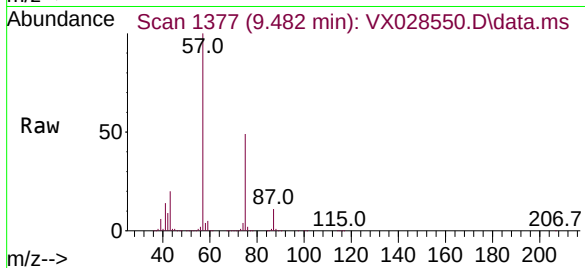
PB144610ZHE#07

Tgt Ion: 76 Resp: 37013

Ion Ratio Lower Upper

76 100

78 0.3 25.8 38.8#



#59

2-Hexanone

Concen: 85.443 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028550.D

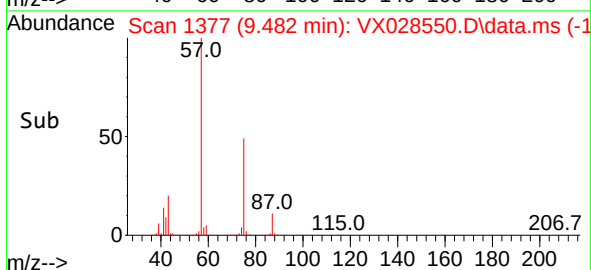
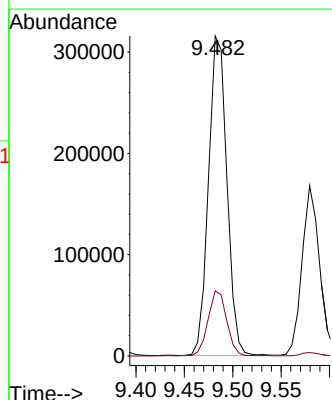
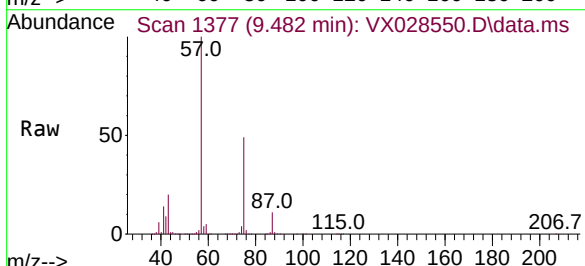
Acq: 06 May 2022 15:22

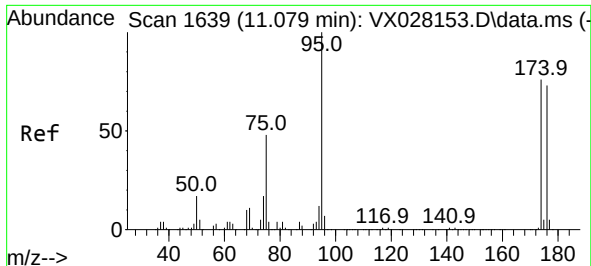
Tgt Ion: 43 Resp: 418432

Ion Ratio Lower Upper

43 100

58 20.8 31.9 95.7#





#62

4-Bromofluorobenzene

Concen: 49.585 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX028550.D

Acq: 06 May 2022 15:22

Instrument :

MSVOA_X

ClientSampleId :

PB144610ZHE#07

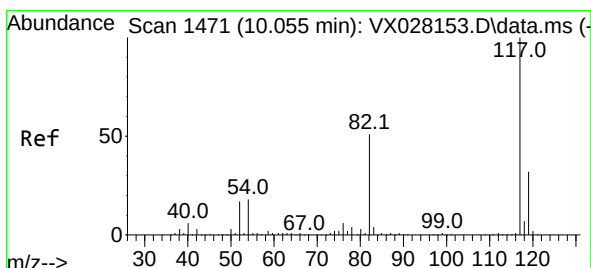
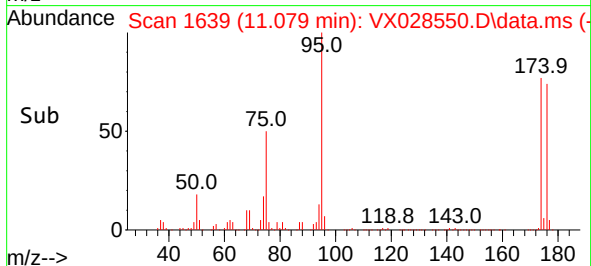
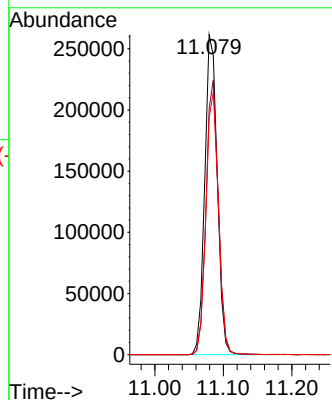
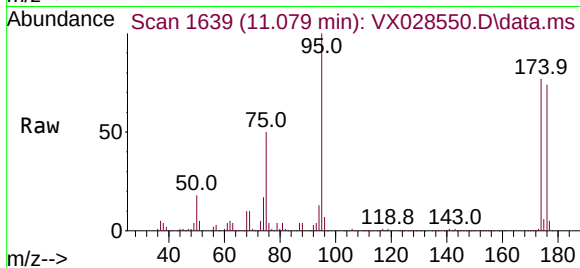
Tgt Ion: 95 Resp: 333042

Ion Ratio Lower Upper

95 100

174 84.7 0.0 163.0

176 82.3 0.0 155.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX028550.D

Acq: 06 May 2022 15:22

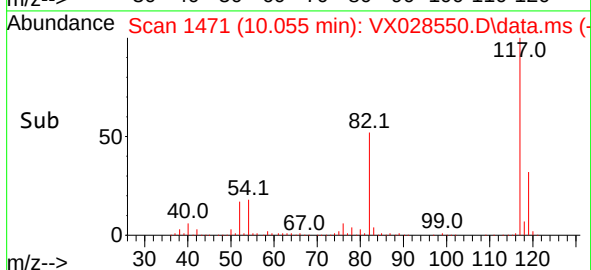
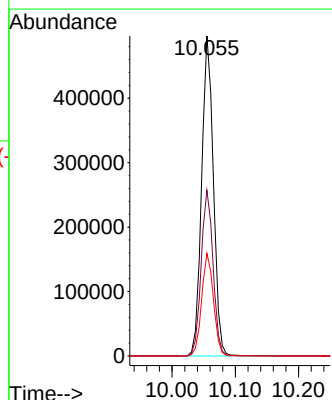
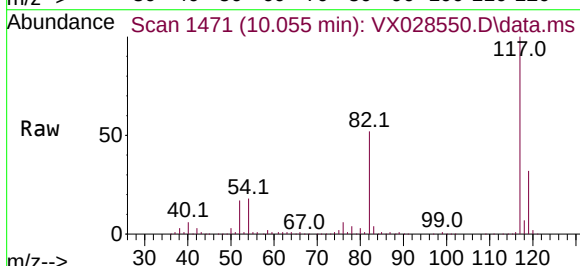
Tgt Ion: 117 Resp: 644090

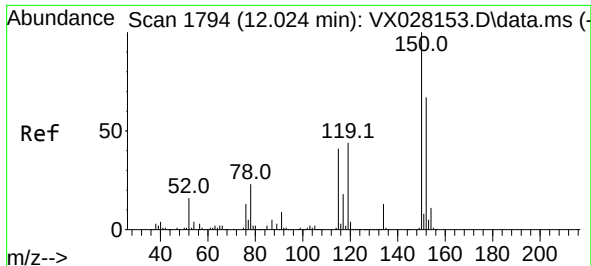
Ion Ratio Lower Upper

117 100

82 51.8 41.8 62.8

119 32.0 24.8 37.2

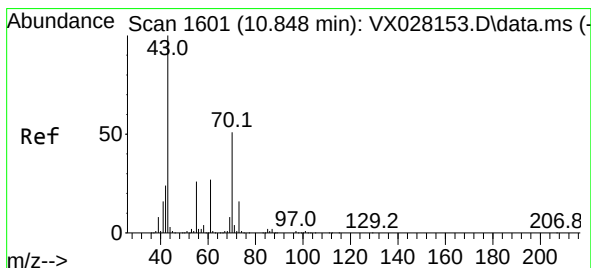
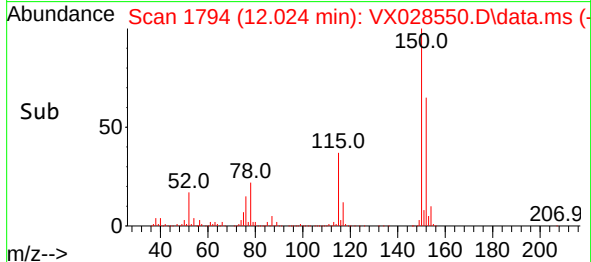
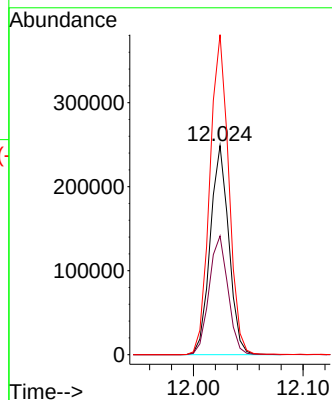
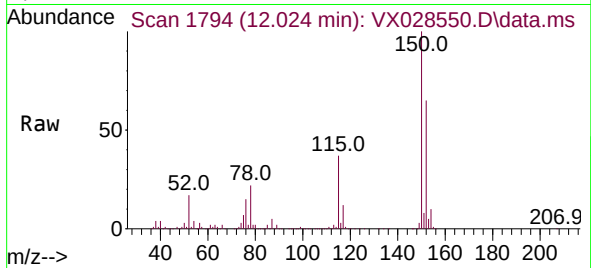




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

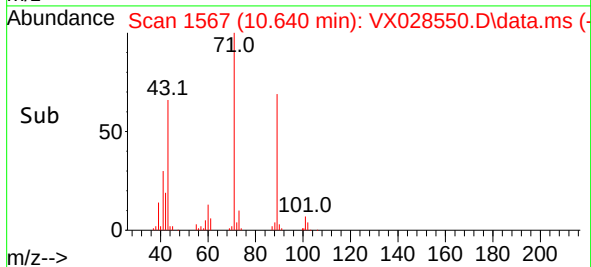
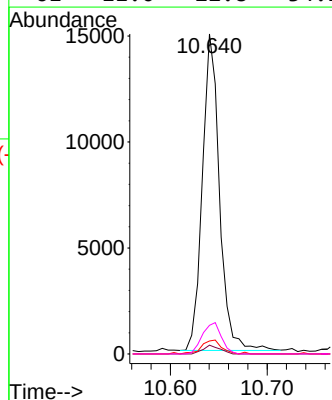
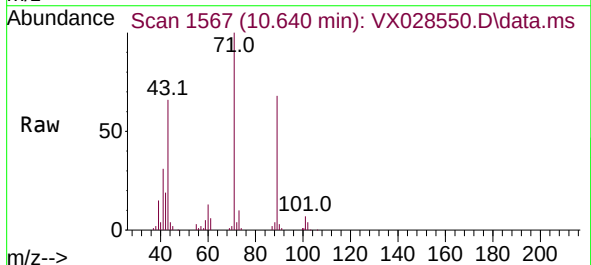
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#07

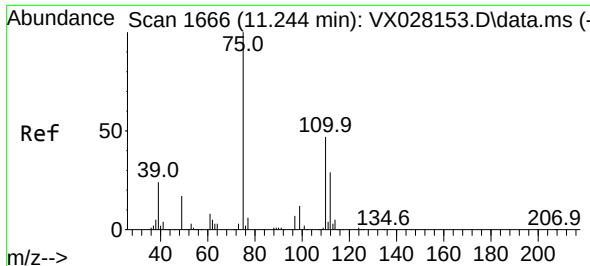
Tgt Ion:152 Resp: 292900
Ion Ratio Lower Upper
152 100
115 57.8 37.5 112.7
150 155.6 0.0 338.2



#74
N-ethyl acetate
Concen: 2.649 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

Tgt Ion: 43 Resp: 18434
Ion Ratio Lower Upper
43 100
70 2.7 42.5 63.7#
55 5.2 23.1 34.7#
61 11.0 22.8 34.2#

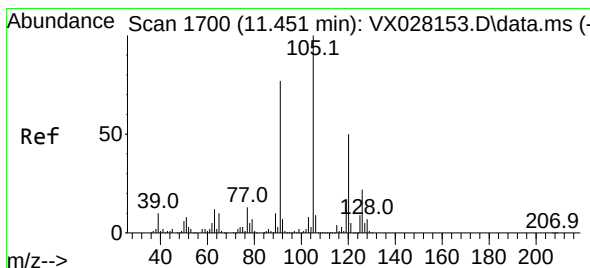
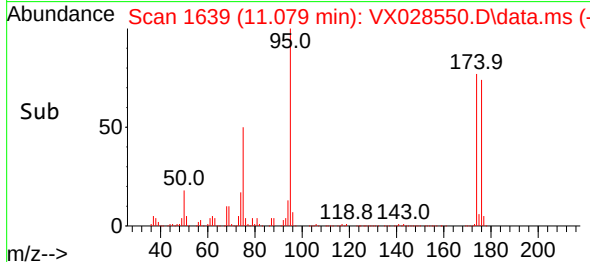
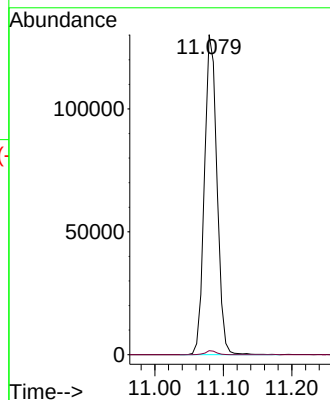
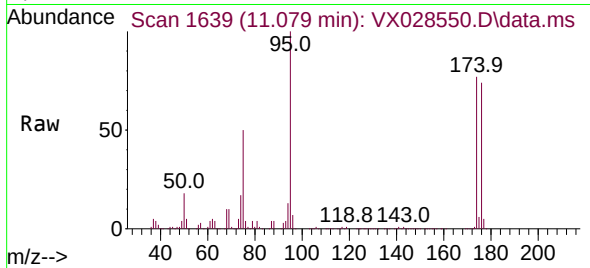




#76
1,2,3-Trichloropropane
Concen: 28.808 ug/l
RT: 11.079 min Scan# 1666
Delta R.T. -0.165 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

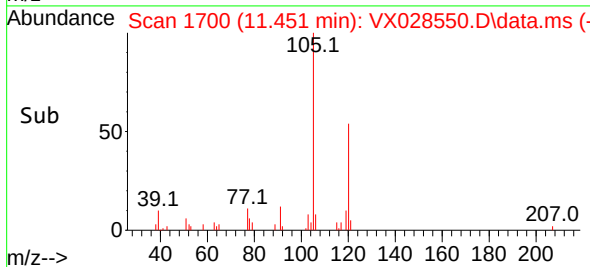
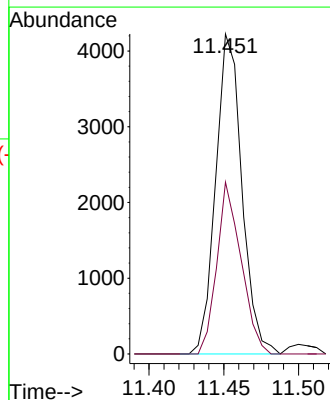
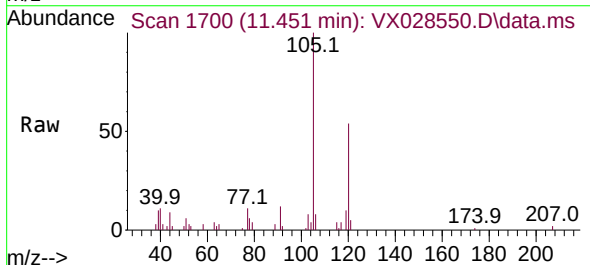
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#07

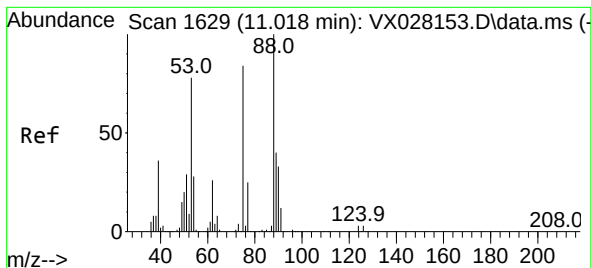
Tgt Ion: 75 Resp: 166061
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.301 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028550.D
Acq: 06 May 2022 15:22

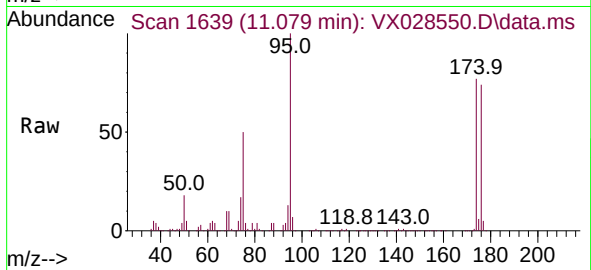
Tgt Ion:105 Resp: 5148
Ion Ratio Lower Upper
105 100
120 49.6 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.609 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028550.D
 Acq: 06 May 2022 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610ZHE#07



Tgt Ion: 75 Resp: 166061
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

