

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050622\
 Data File : VX028548.D
 Acq On : 06 May 2022 14:35
 Operator : JC/MD
 Sample : PB144610ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610ZHE#05

Quant Time: May 07 06:02:07 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)

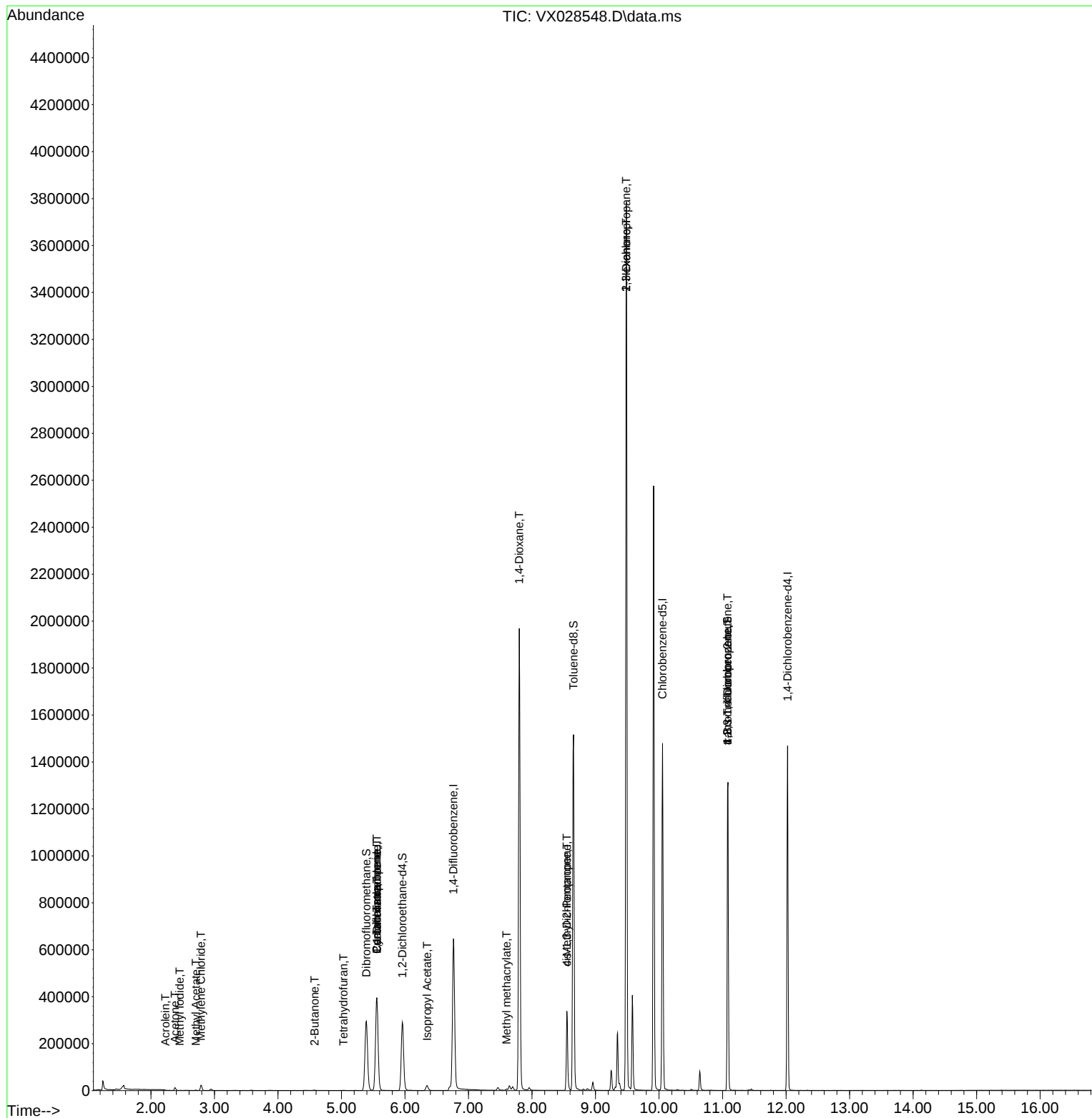
Internal Standards						
1) Pentafluorobenzene	5.556	168	388358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	673278	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	668357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	308963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	277921	54.885	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 109.760%	
35) Dibromofluoromethane	5.391	113	256356	54.294	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 108.580%	
50) Toluene-d8	8.653	98	930036	51.284	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.560%	
62) 4-Bromofluorobenzene	11.079	95	344463	49.677	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.360%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	434	Below Cal	#	85
5) Bromomethane	1.611	94	1262	Below Cal		98
6) Chloroethane	1.636	64	311	Below Cal	#	63
8) Diethyl Ether	2.148	74	46	Below Cal	#	1
10) Methyl Iodide	2.453	142	666	5.373	ug/l #	92
11) Tert butyl alcohol	2.940	59	3183	Below Cal	#	72
13) Acrolein	2.227	56	144	0.232	ug/l #	79
16) Acetone	2.379	43	13012	7.057	ug/l	88
18) Methyl Acetate	2.709	43	2541	0.564	ug/l	95
20) Methylene Chloride	2.788	84	10914	2.905	ug/l	93
25) 2-Butanone	4.574	43	2427	0.809	ug/l	98
29) Tetrahydrofuran	5.031	42	765	0.391	ug/l #	67
31) Cyclohexane	5.556	56	7341	1.190	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	27924	4.534	ug/l #	50
38) Carbon Tetrachloride	5.556	117	39030	5.614	ug/l #	17
43) Isopropyl Acetate	6.348	43	27854	2.739	ug/l	98
48) Methyl methacrylate	7.598	41	7988	1.711	ug/l #	7
49) 1,4-Dioxane	7.799	88	325	2.602	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	105497	16.164	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	56194	7.401	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	36893	4.492	ug/l #	43
59) 2-Hexanone	9.482	43	417832	82.644	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	169487	27.873	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	169487	82.832	ug/l #	15

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

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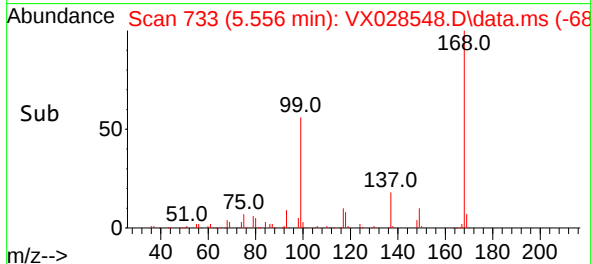
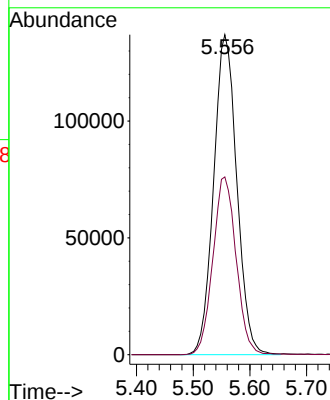
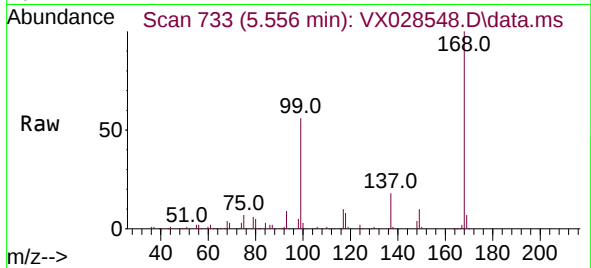




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

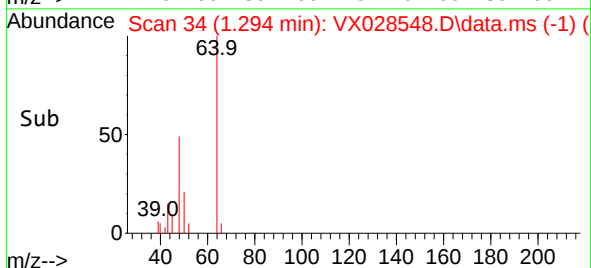
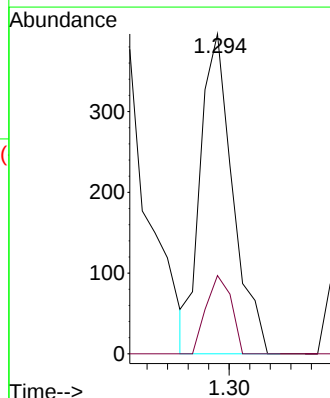
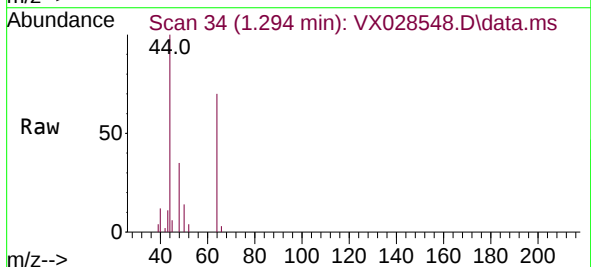
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#05

Tgt Ion:168 Resp: 388358
Ion Ratio Lower Upper
168 100
99 55.6 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

Tgt Ion: 50 Resp: 434
Ion Ratio Lower Upper
50 100
52 24.5 26.4 39.6#

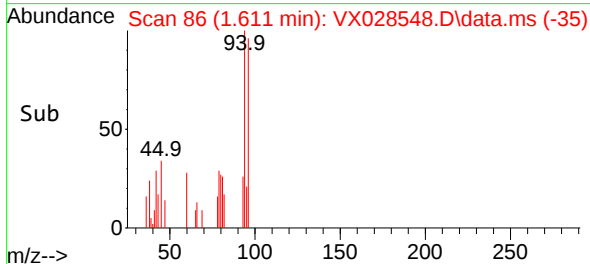
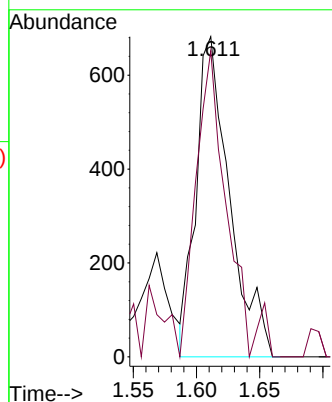
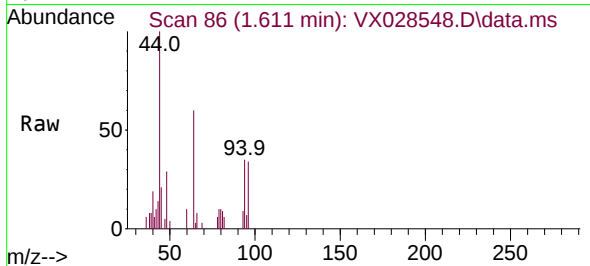




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

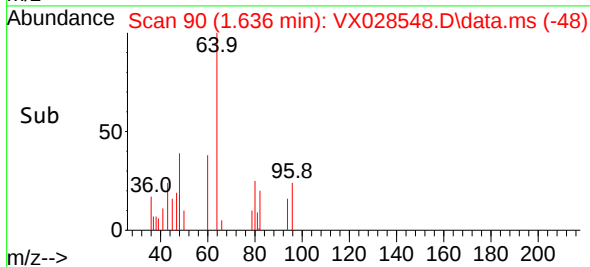
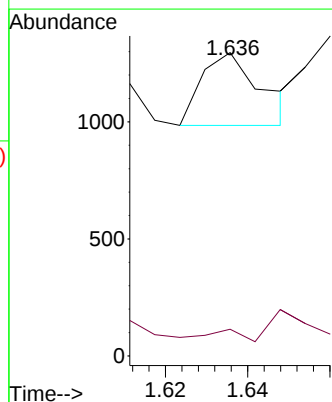
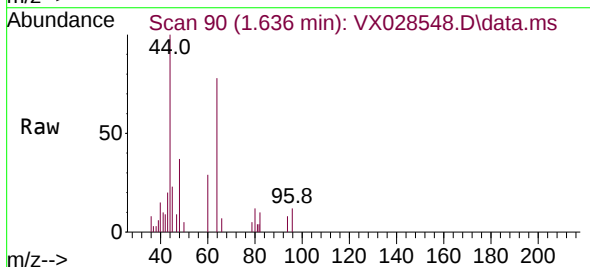
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#05

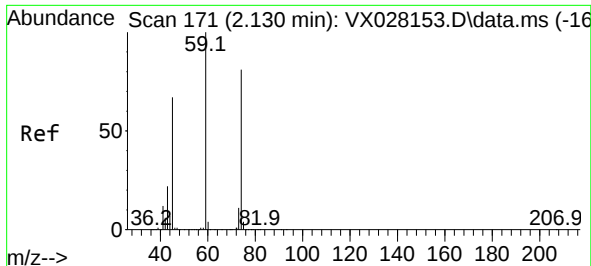
Tgt Ion: 94 Resp: 1262
Ion Ratio Lower Upper
94 100
96 95.6 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.636 min Scan# 90
Delta R.T. -0.042 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

Tgt Ion: 64 Resp: 311
Ion Ratio Lower Upper
64 100
66 11.3 25.3 37.9#

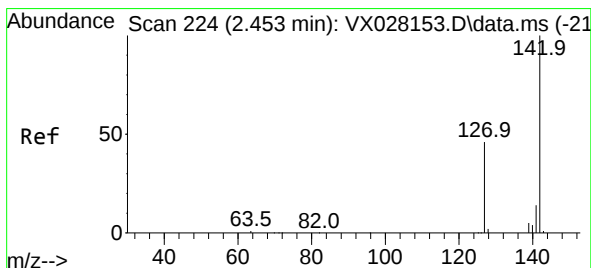
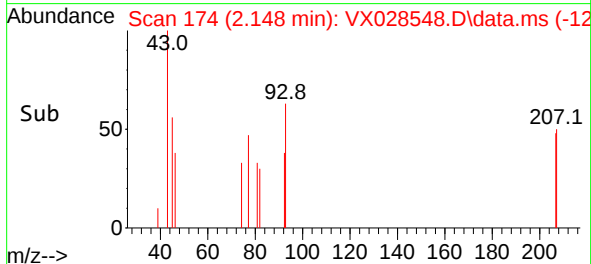
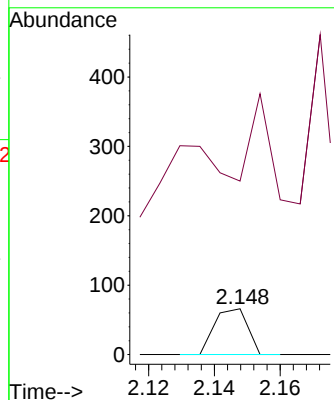
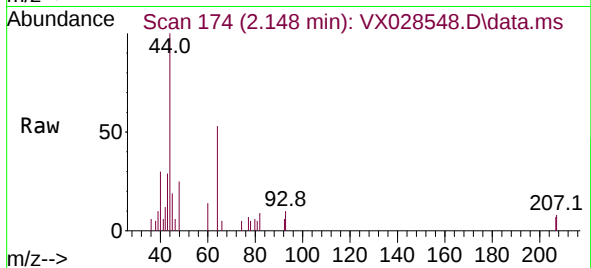




#8
Diethyl Ether
Concen: Below Cal
RT: 2.148 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

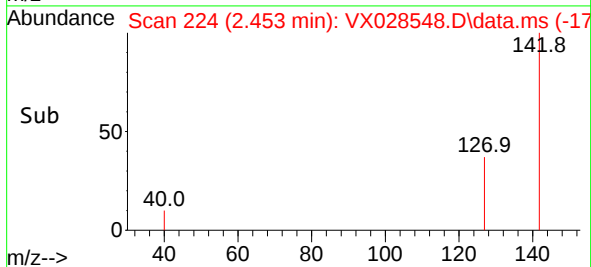
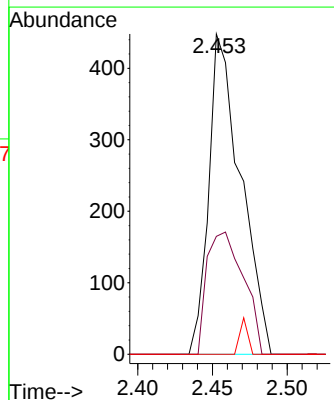
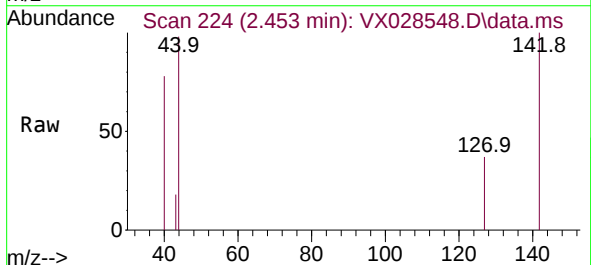
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#05

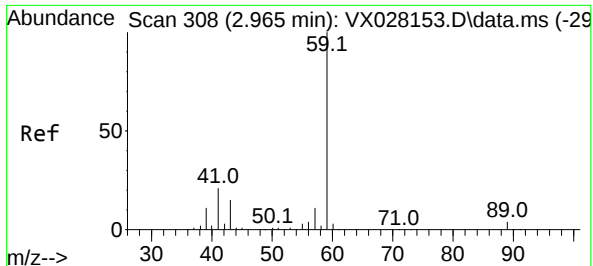
Tgt Ion: 74 Resp: 46
Ion Ratio Lower Upper
74 100
45 321.7 42.0 126.0#



#10
Methyl Iodide
Concen: 5.373 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

Tgt Ion: 142 Resp: 666
Ion Ratio Lower Upper
142 100
127 43.5 33.9 50.9
141 2.9 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 308

Delta R.T. -0.025 min

Lab File: VX028548.D

Acq: 06 May 2022 14:35

Instrument :

MSVOA_X

ClientSampleId :

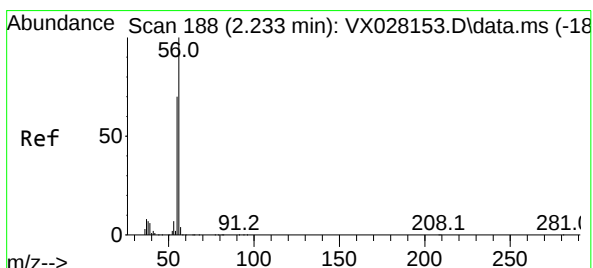
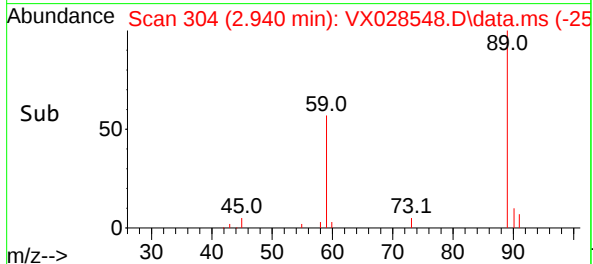
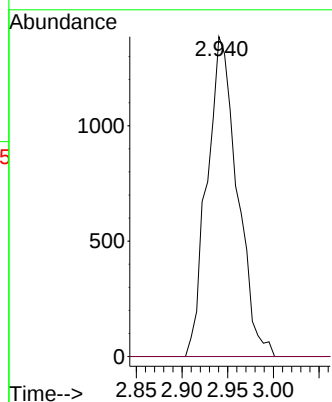
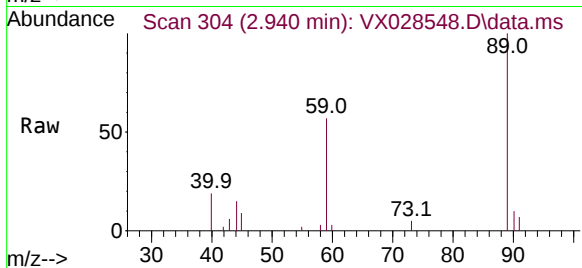
PB144610ZHE#05

Tgt Ion: 59 Resp: 3183

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.232 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.006 min

Lab File: VX028548.D

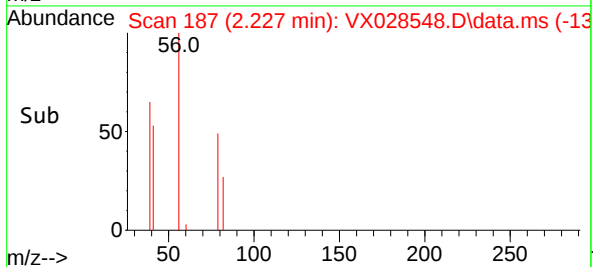
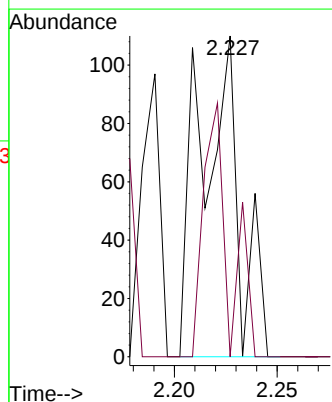
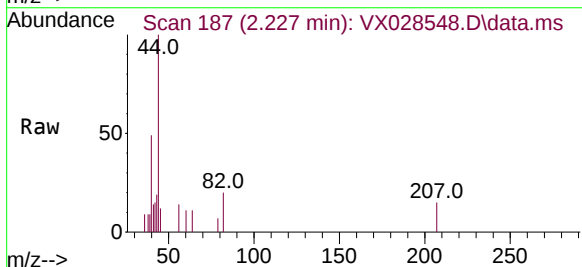
Acq: 06 May 2022 14:35

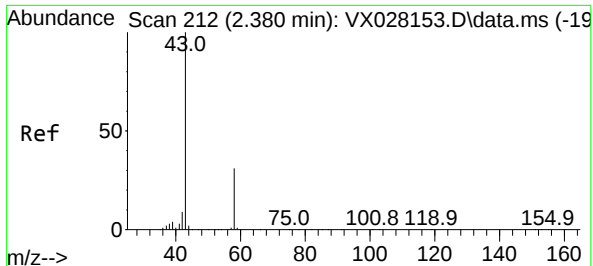
Tgt Ion: 56 Resp: 144

Ion Ratio Lower Upper

56 100

55 52.1 55.0 82.6#

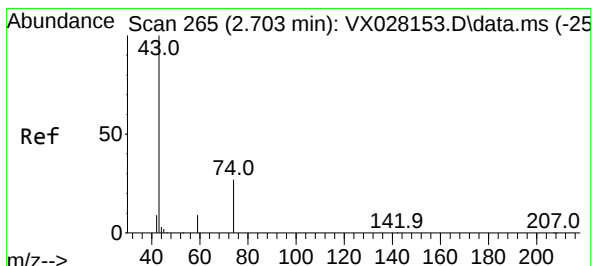
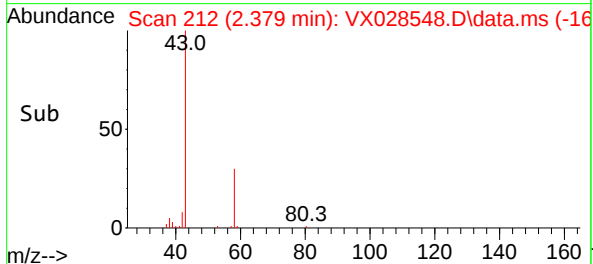
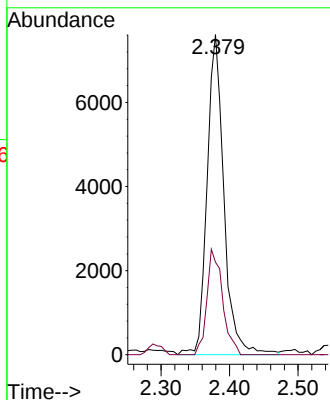
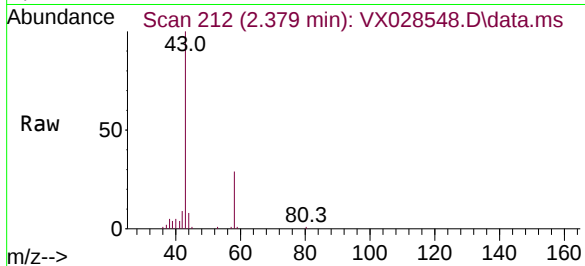




#16
Acetone
Concen: 7.057 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

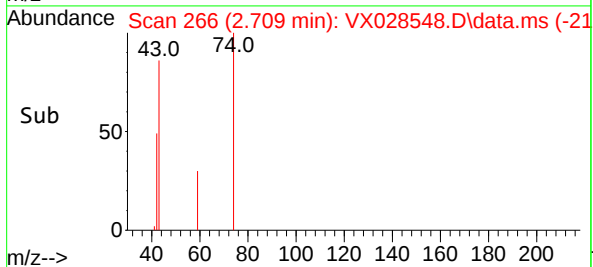
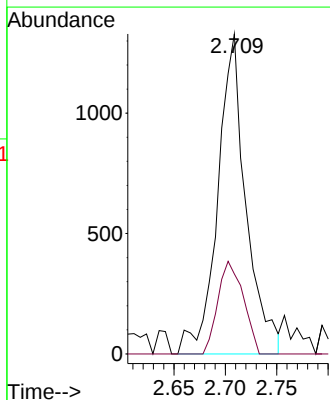
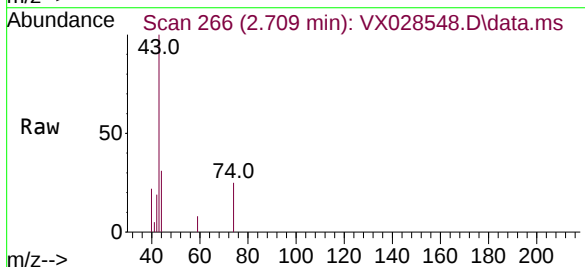
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#05

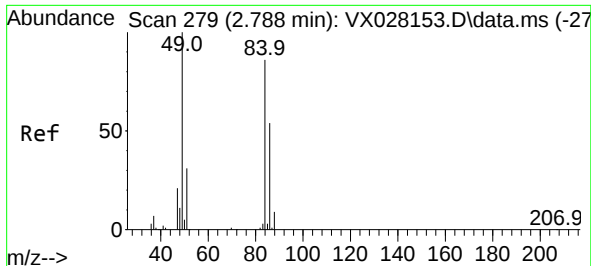
Tgt Ion: 43 Resp: 13012
Ion Ratio Lower Upper
43 100
58 28.9 28.8 43.2



#18
Methyl Acetate
Concen: 0.564 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

Tgt Ion: 43 Resp: 2541
Ion Ratio Lower Upper
43 100
74 26.0 22.8 34.2





#20

Methylene Chloride

Concen: 2.905 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX028548.D

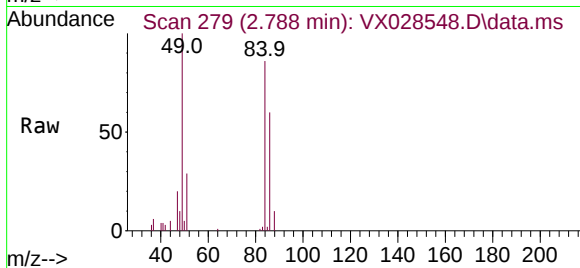
Acq: 06 May 2022 14:35

Instrument :

MSVOA_X

ClientSampleId :

PB144610ZHE#05



Tgt Ion: 84 Resp: 10914

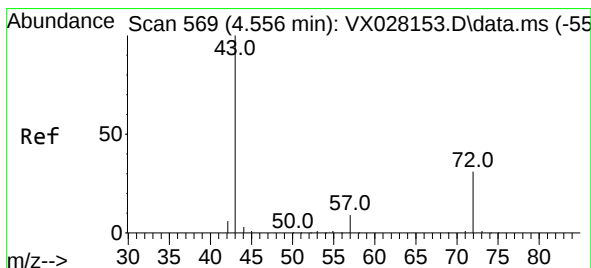
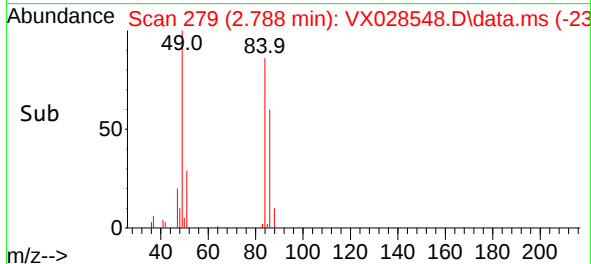
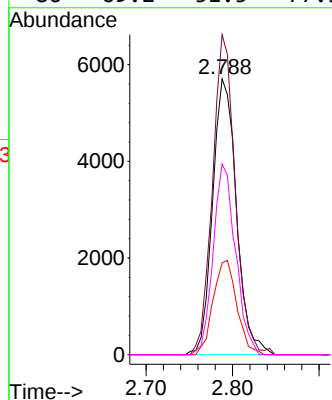
Ion Ratio Lower Upper

84 100

49 116.0 85.5 128.3

51 33.3 26.6 39.8

86 69.2 51.5 77.3



#25

2-Butanone

Concen: 0.809 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX028548.D

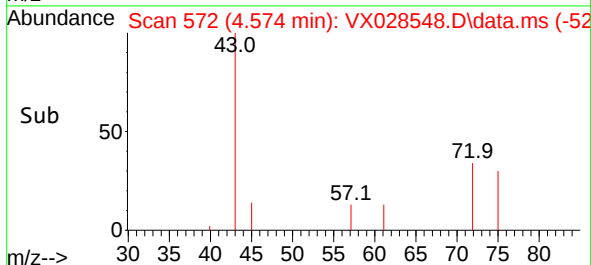
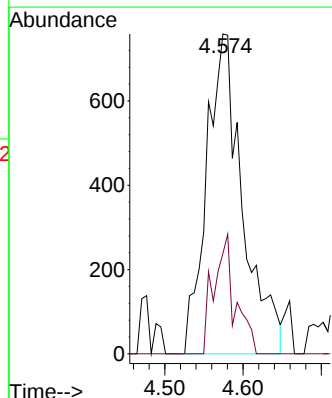
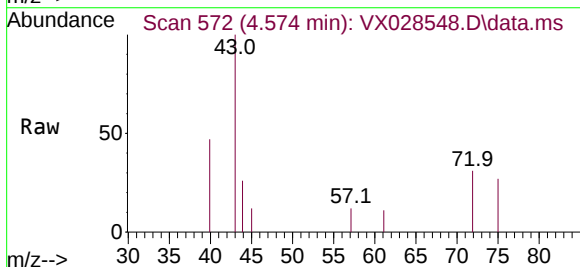
Acq: 06 May 2022 14:35

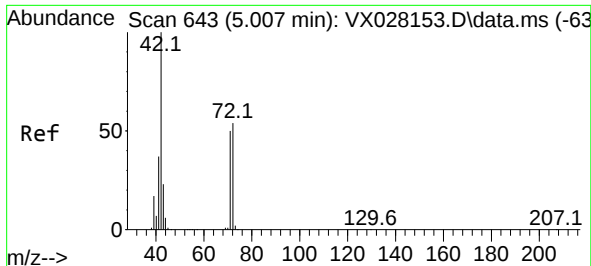
Tgt Ion: 43 Resp: 2427

Ion Ratio Lower Upper

43 100

72 31.4 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.391 ug/l

RT: 5.031 min Scan# 643

Delta R.T. 0.024 min

Lab File: VX028548.D

Acq: 06 May 2022 14:35

Instrument :

MSVOA_X

ClientSampleId :

PB144610ZHE#05

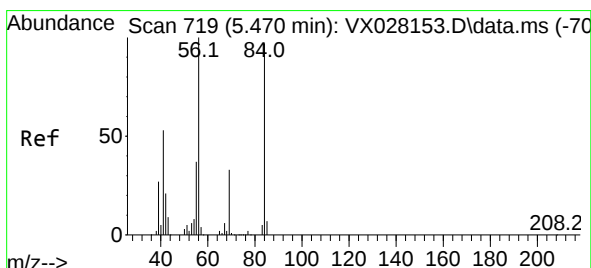
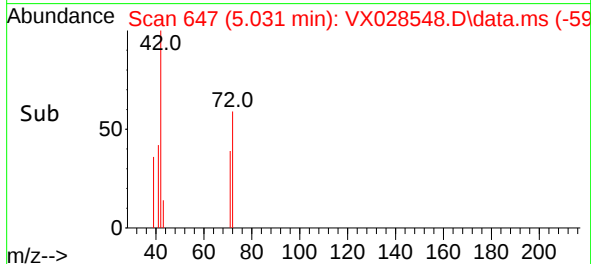
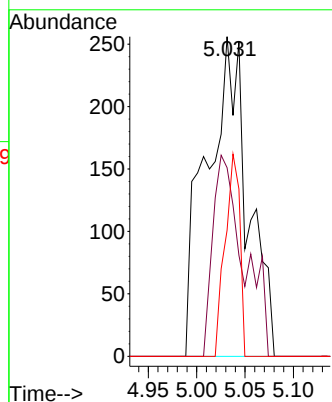
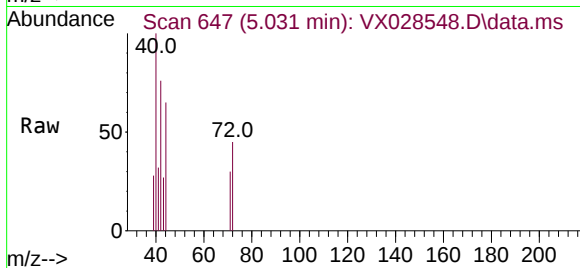
Tgt Ion: 42 Resp: 765

Ion Ratio Lower Upper

42 100

72 36.3 44.1 66.1#

71 22.4 40.5 60.7#



#31

Cyclohexane

Concen: 1.190 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028548.D

Acq: 06 May 2022 14:35

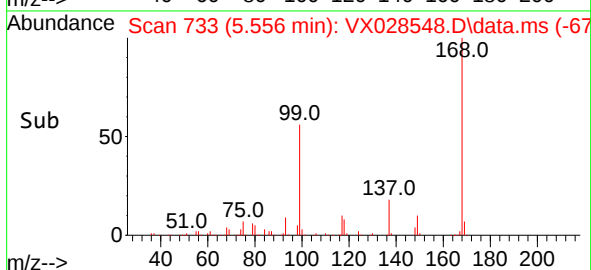
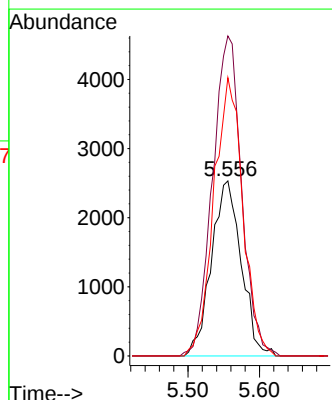
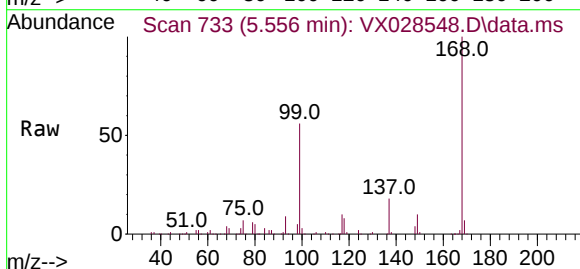
Tgt Ion: 56 Resp: 7341

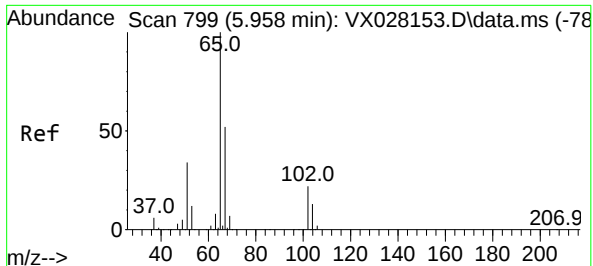
Ion Ratio Lower Upper

56 100

69 182.9 26.7 40.1#

84 159.0 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 54.885 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028548.D

Acq: 06 May 2022 14:35

Instrument :

MSVOA_X

ClientSampleId :

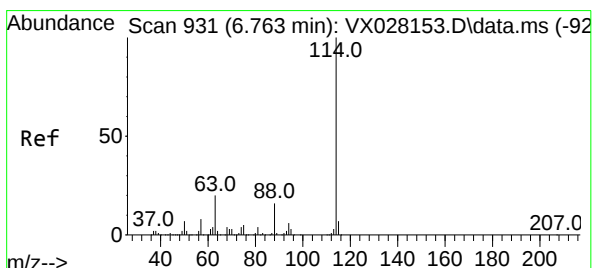
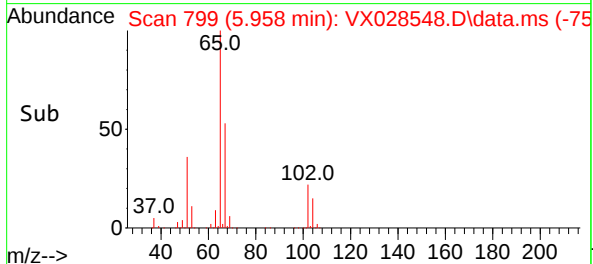
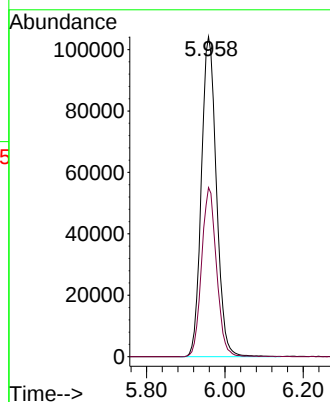
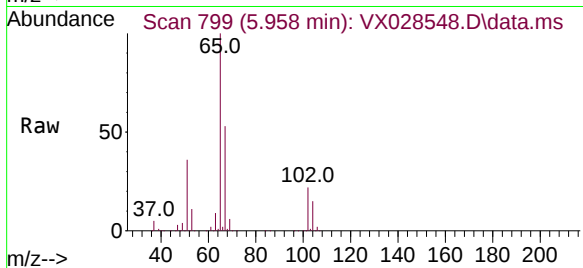
PB144610ZHE#05

Tgt Ion: 65 Resp: 277921

Ion Ratio Lower Upper

65 100

67 52.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028548.D

Acq: 06 May 2022 14:35

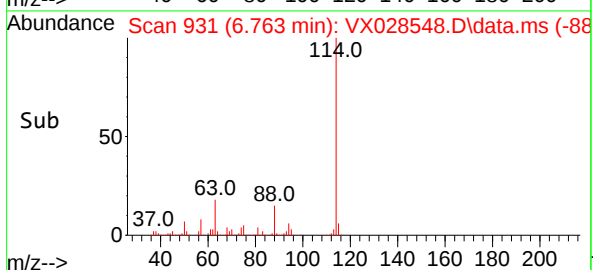
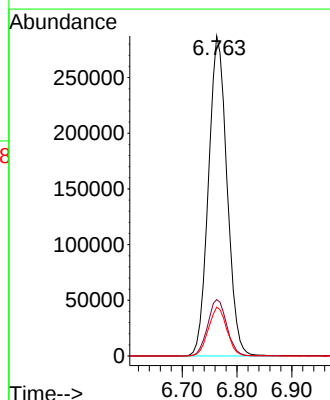
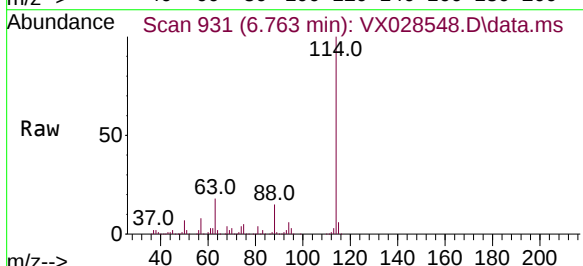
Tgt Ion: 114 Resp: 673278

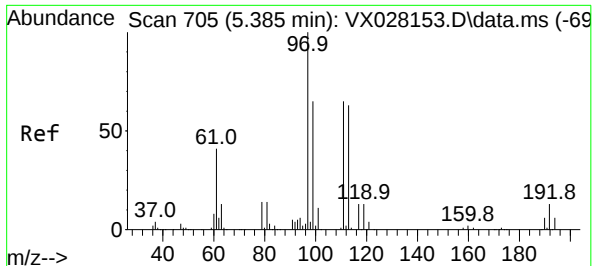
Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.8

88 15.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 54.294 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028548.D

Acq: 06 May 2022 14:35

Instrument :

MSVOA_X

ClientSampleId :

PB144610ZHE#05

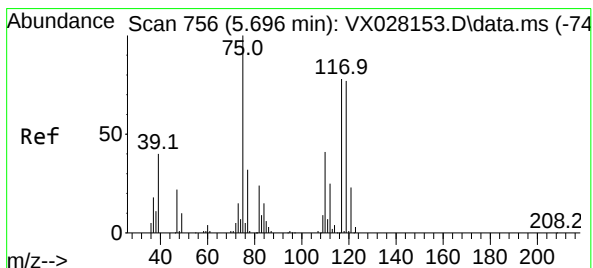
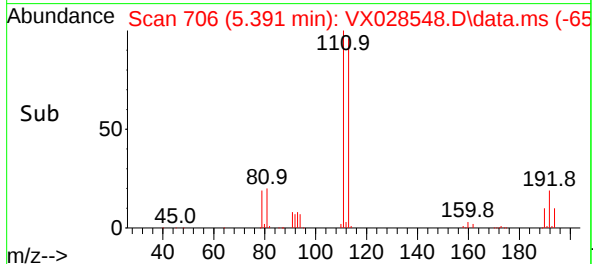
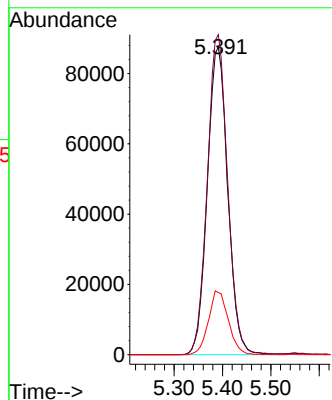
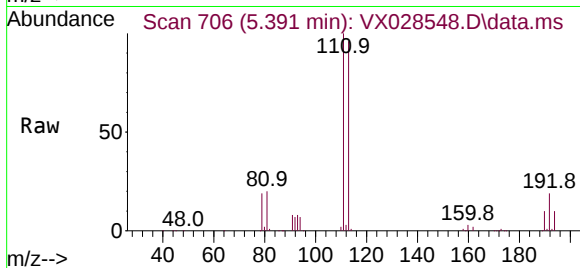
Tgt Ion:113 Resp: 256356

Ion Ratio Lower Upper

113 100

111 103.9 82.8 124.2

192 20.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.534 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028548.D

Acq: 06 May 2022 14:35

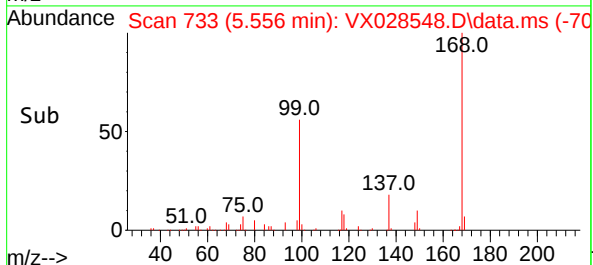
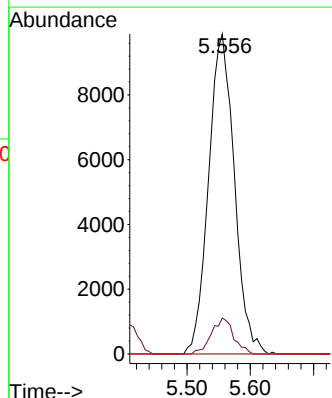
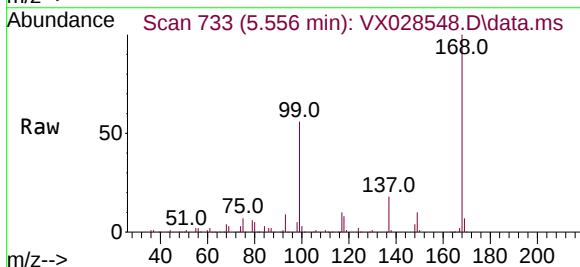
Tgt Ion: 75 Resp: 27924

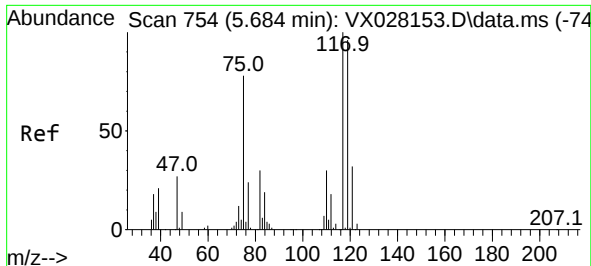
Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

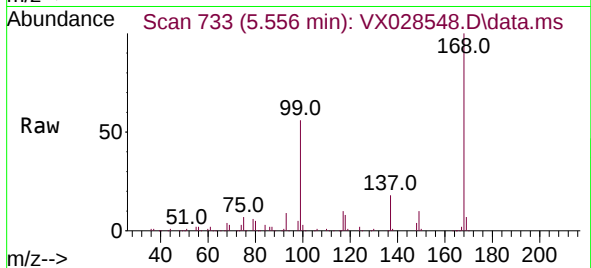
77 0.0 24.8 37.2#



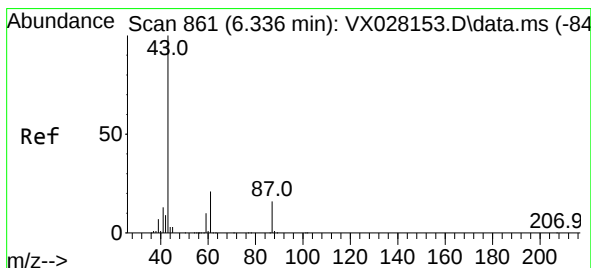
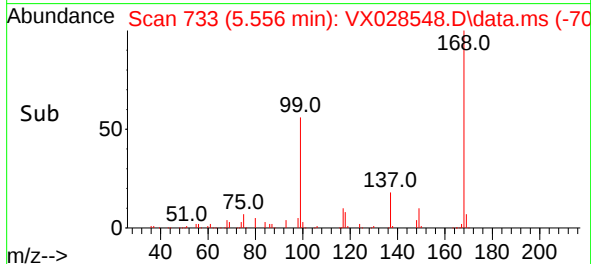
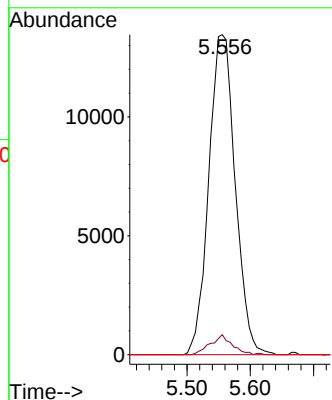


#38
Carbon Tetrachloride
Concen: 5.614 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#05

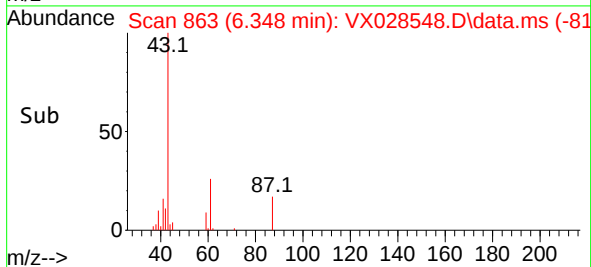
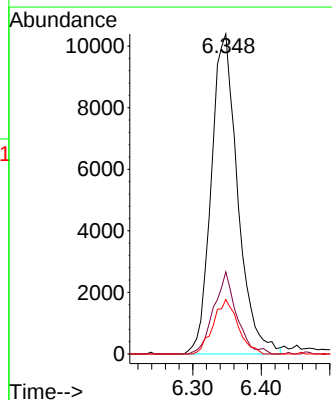
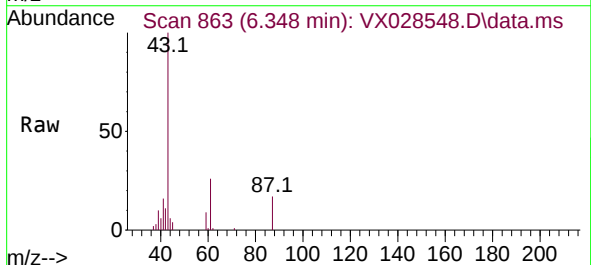


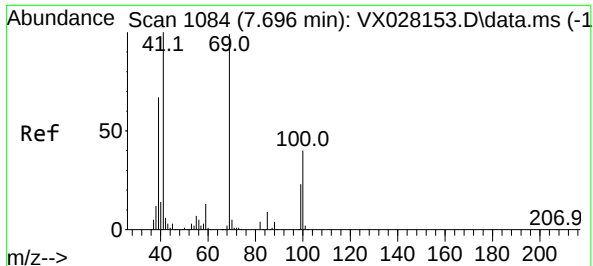
Tgt Ion:117 Resp: 39030
Ion Ratio Lower Upper
117 100
119 6.3 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.739 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

Tgt Ion: 43 Resp: 27854
Ion Ratio Lower Upper
43 100
61 22.1 18.5 27.7
87 15.9 13.0 19.6

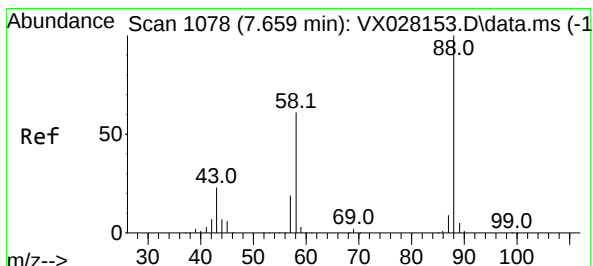
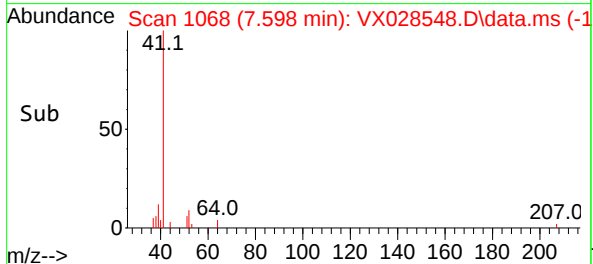
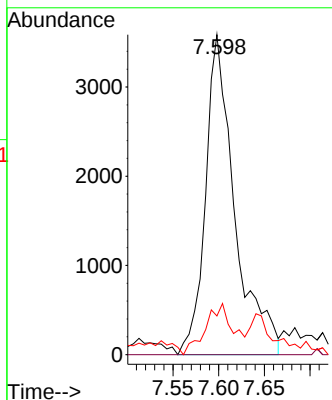
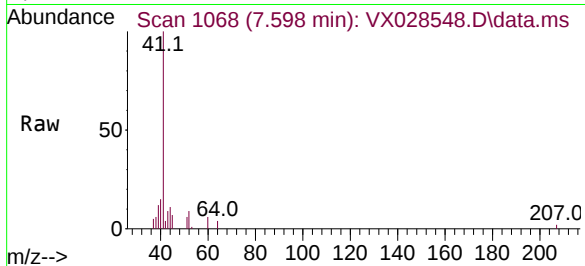




#48
Methyl methacrylate
Concen: 1.711 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

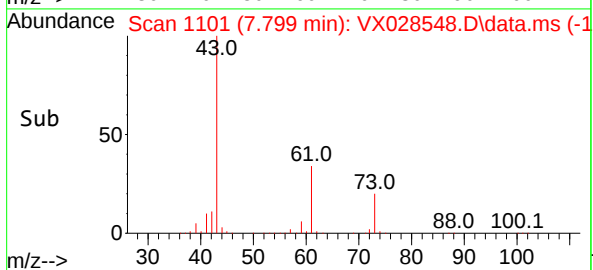
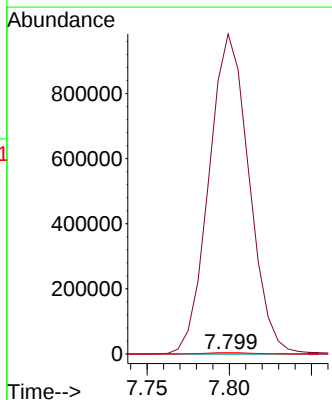
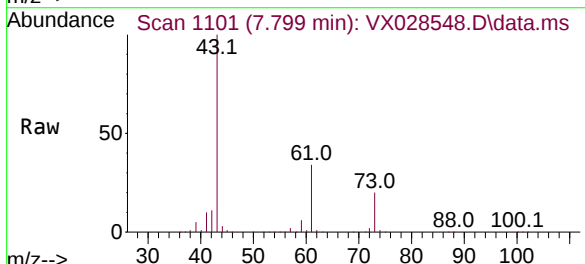
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#05

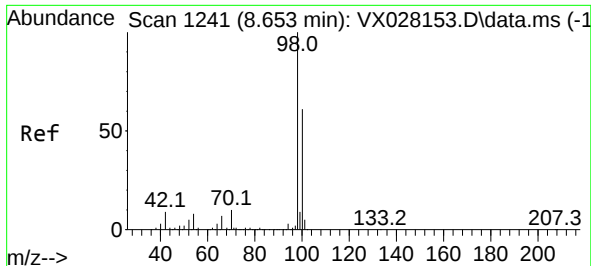
Tgt Ion: 41 Resp: 7988
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.602 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

Tgt Ion: 88 Resp: 325
Ion Ratio Lower Upper
88 100
43 515492.9 21.9 32.9#
58 2441.2 53.7 80.5#





#50

Toluene-d8

Concen: 51.284 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX028548.D

Acq: 06 May 2022 14:35

Instrument :

MSVOA_X

ClientSampleId :

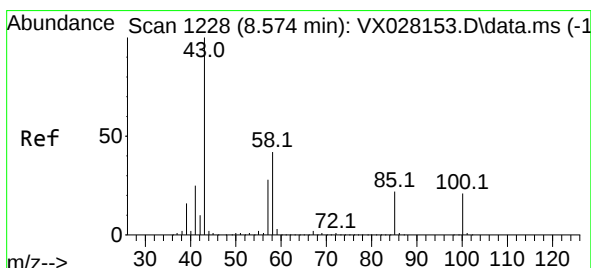
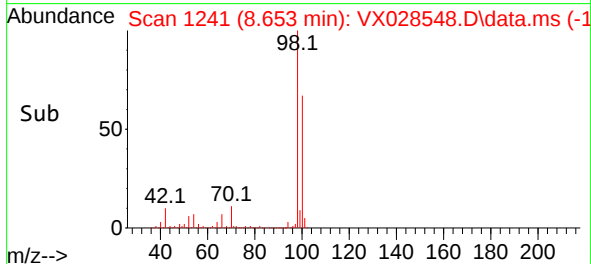
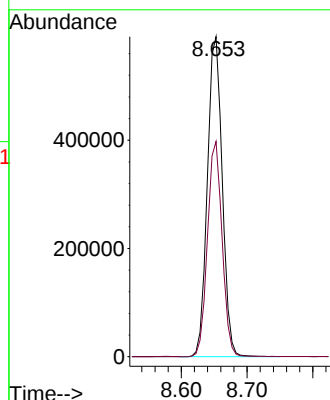
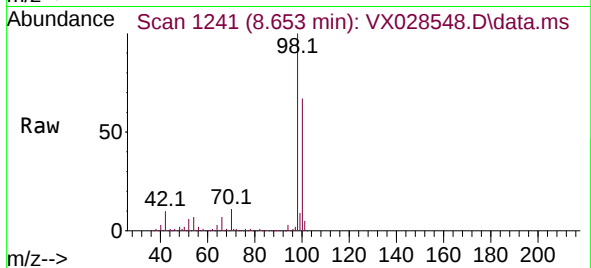
PB144610ZHE#05

Tgt Ion: 98 Resp: 930036

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 16.164 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.025 min

Lab File: VX028548.D

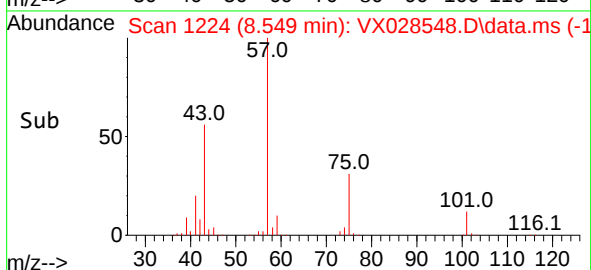
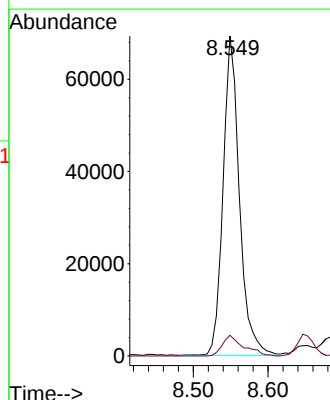
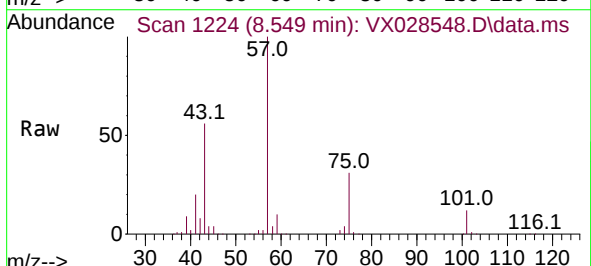
Acq: 06 May 2022 14:35

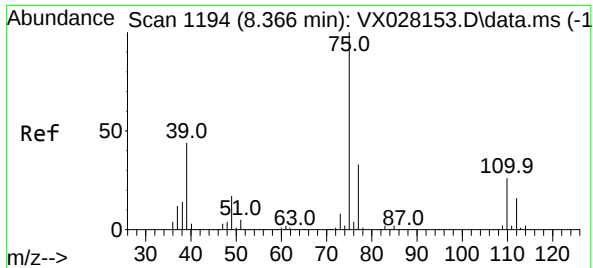
Tgt Ion: 43 Resp: 105497

Ion Ratio Lower Upper

43 100

58 8.4 36.1 54.1#

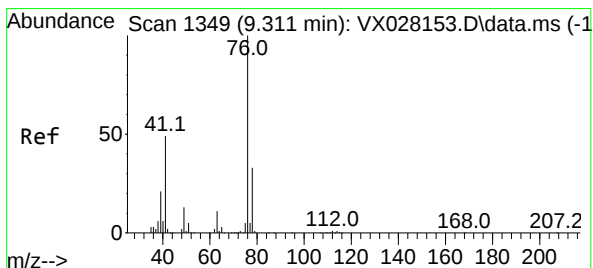
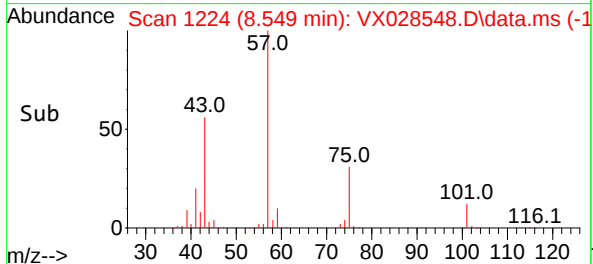
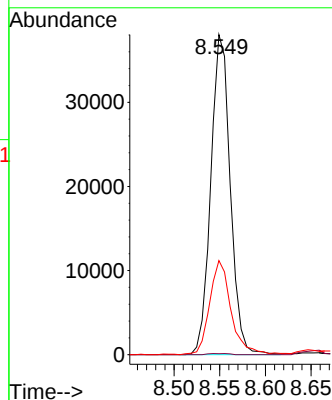
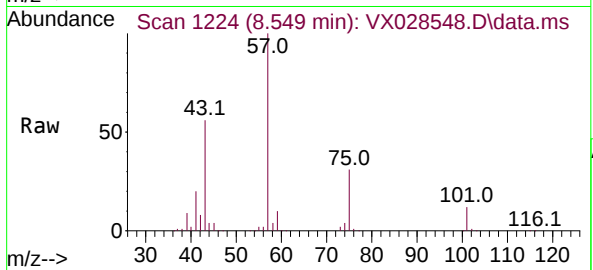




#54
 cis-1,3-Dichloropropene
 Concen: 7.401 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028548.D
 Acq: 06 May 2022 14:35

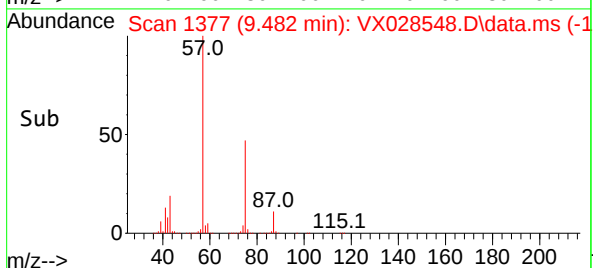
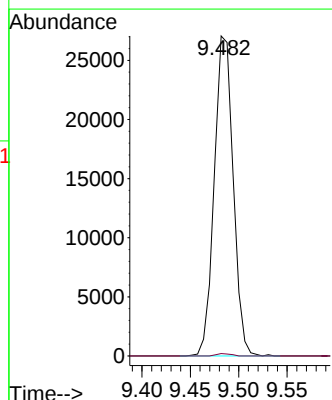
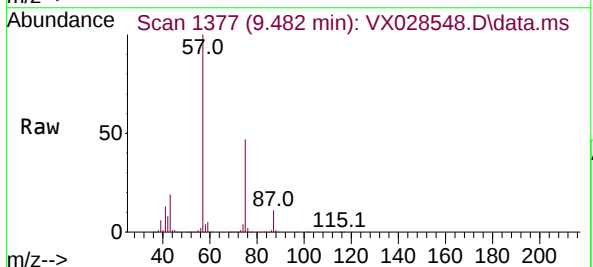
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610ZHE#05

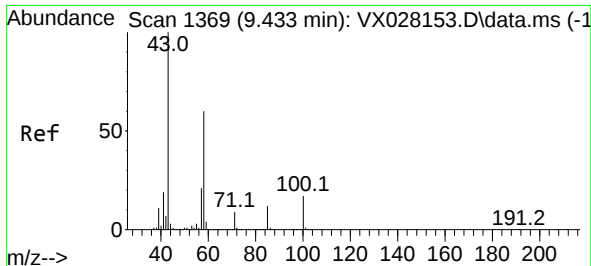
Tgt Ion: 75 Resp: 56194
 Ion Ratio Lower Upper
 75 100
 77 0.3 24.8 37.2#
 39 29.4 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.492 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028548.D
 Acq: 06 May 2022 14:35

Tgt Ion: 76 Resp: 36893
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.8 38.8#

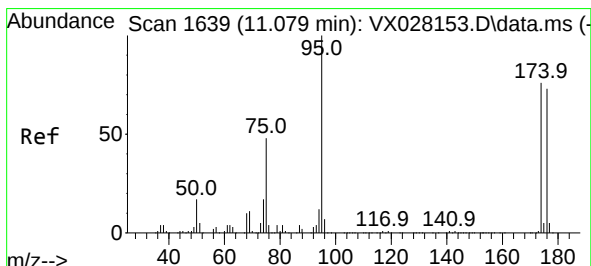
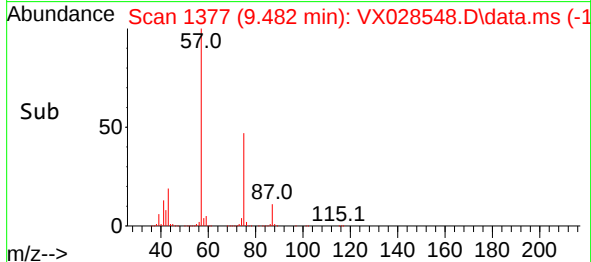
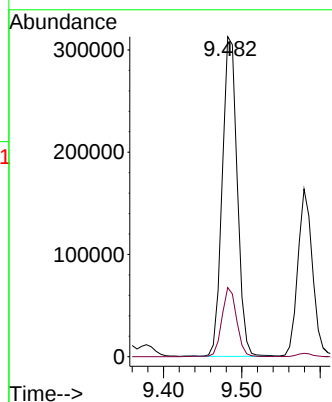
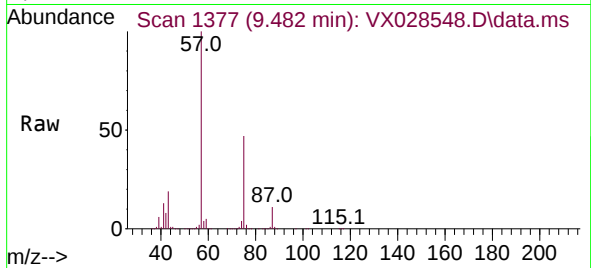




#59
2-Hexanone
Concen: 82.644 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

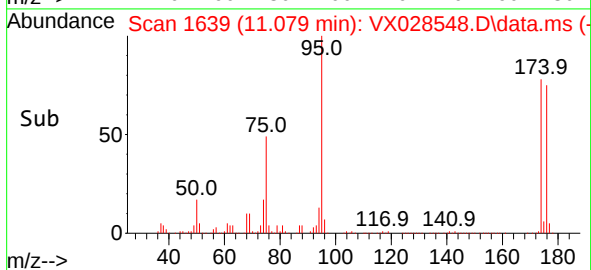
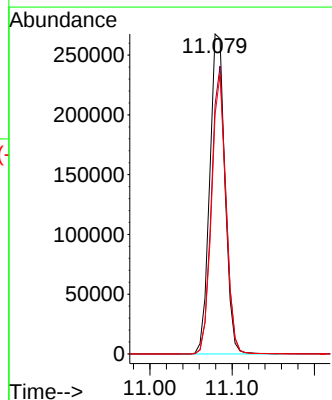
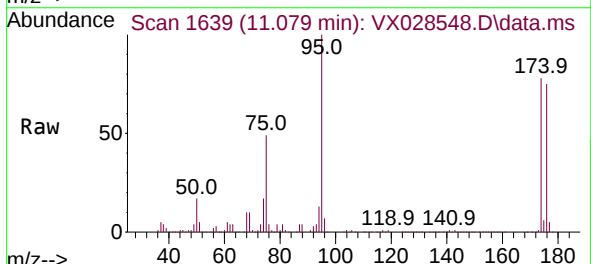
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#05

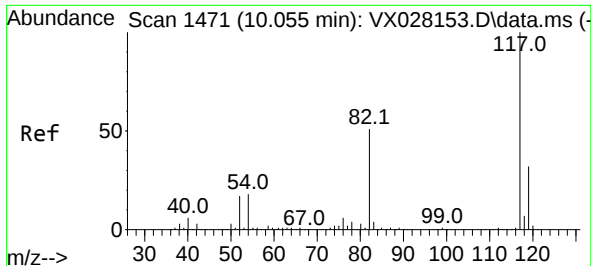
Tgt Ion: 43 Resp: 417832
Ion Ratio Lower Upper
43 100
58 21.2 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 49.677 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

Tgt Ion: 95 Resp: 344463
Ion Ratio Lower Upper
95 100
174 85.5 0.0 163.0
176 82.7 0.0 155.0

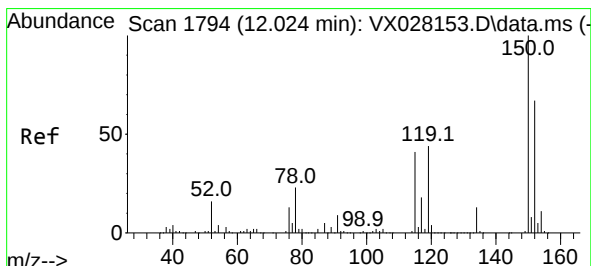
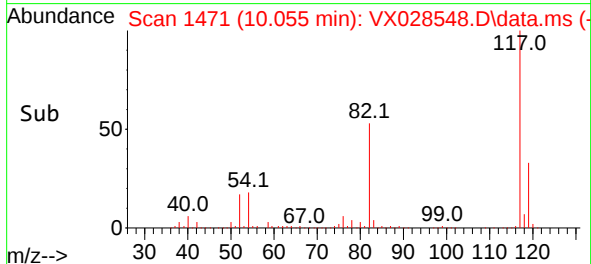
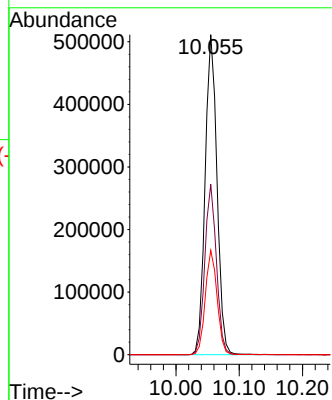
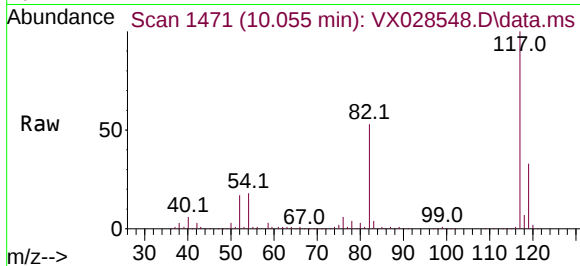




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

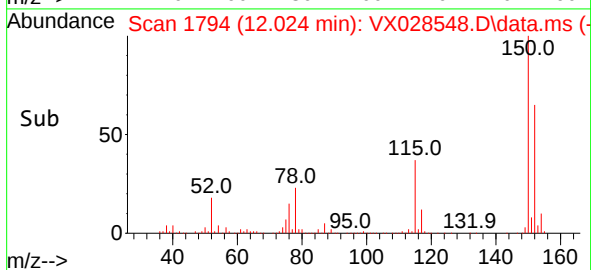
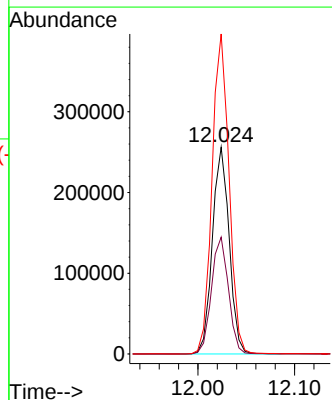
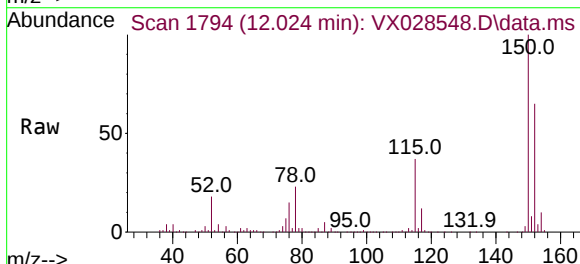
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#05

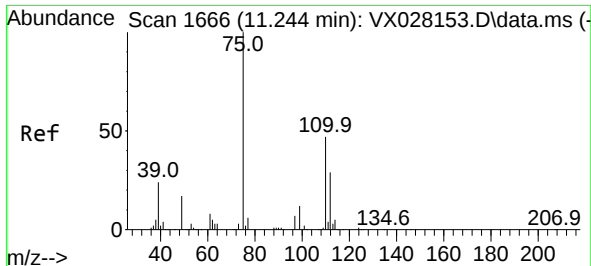
Tgt Ion:117 Resp: 668357
Ion Ratio Lower Upper
117 100
82 53.3 41.8 62.8
119 32.6 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

Tgt Ion:152 Resp: 308963
Ion Ratio Lower Upper
152 100
115 57.2 37.5 112.7
150 156.3 0.0 338.2

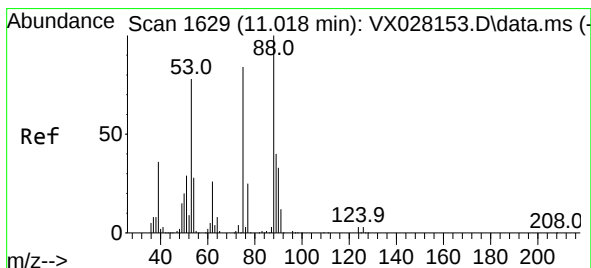
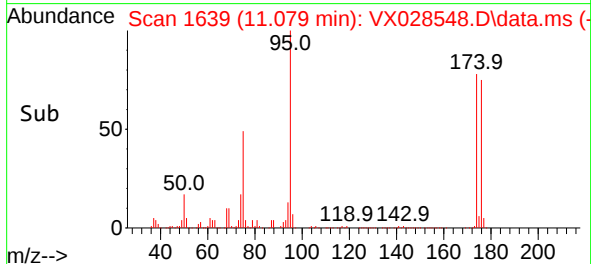
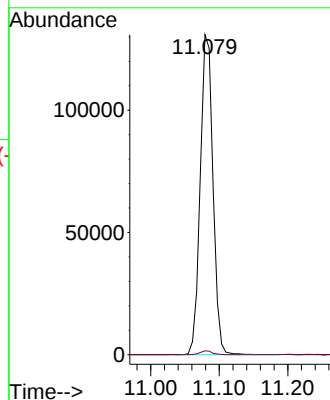
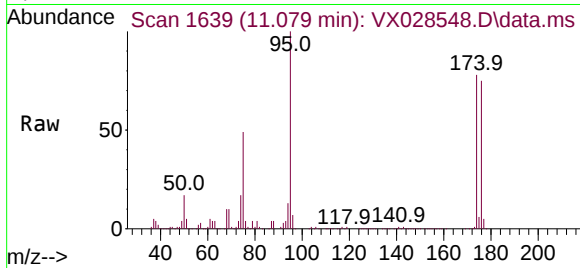




#76
1,2,3-Trichloropropane
Concen: 27.873 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#05

Tgt Ion: 75 Resp: 169487
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.832 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028548.D
Acq: 06 May 2022 14:35

Tgt Ion: 75 Resp: 169487
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

