

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036224.D
 Acq On : 19 Jun 2023 22:20
 Operator : JC/MD
 Sample : PB153531ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153531ZHE#12

Quant Time: Jun 20 03:51:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 16:28:40 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

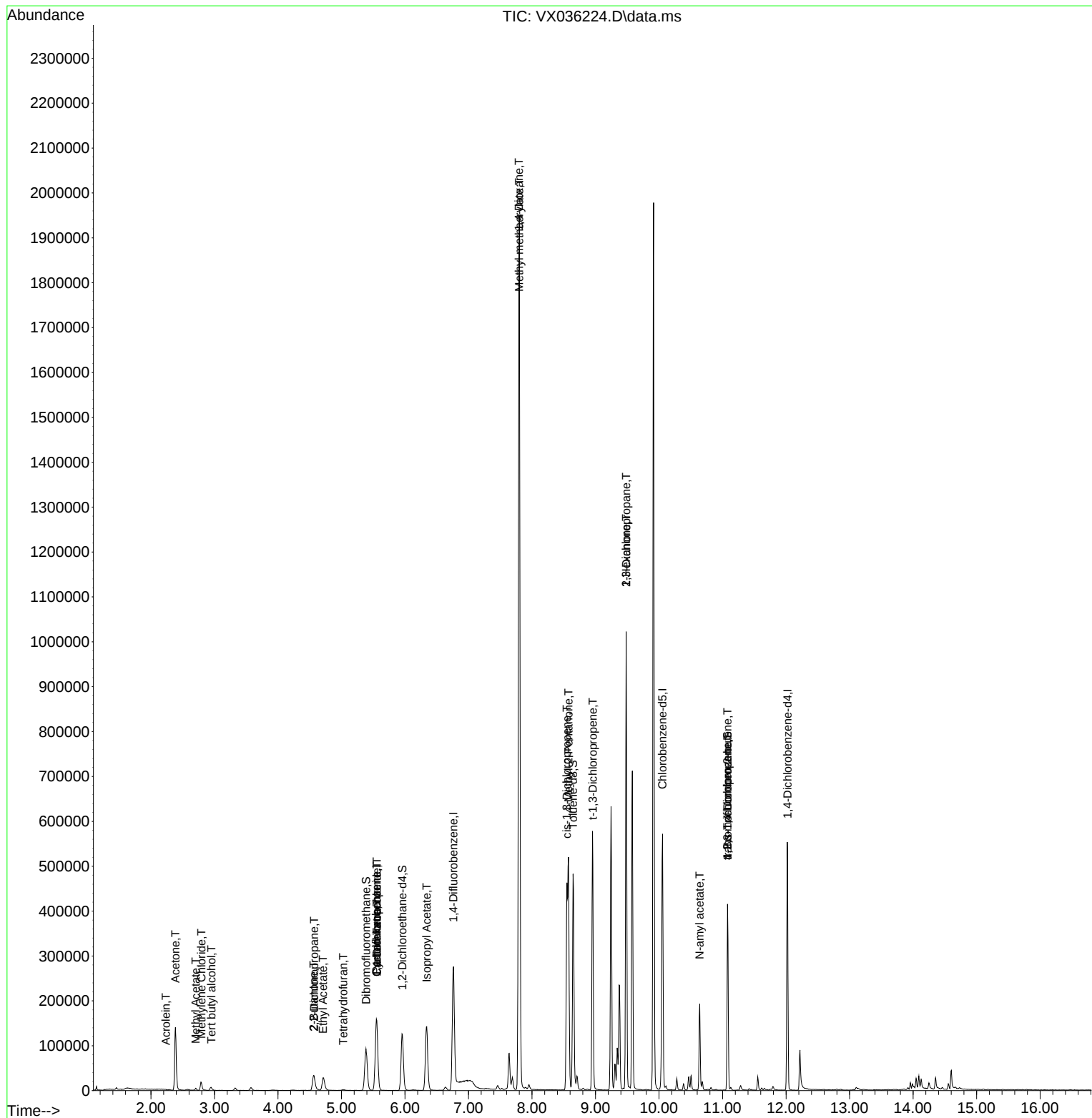
Internal Standards						
1) Pentafluorobenzene	5.550	168	133501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	249130	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	127567	52.289	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.580%			
35) Dibromofluoromethane	5.385	113	79570	47.100	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.200%			
50) Toluene-d8	8.647	98	267879	43.349	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 86.700%#			
62) 4-Bromofluorobenzene	11.079	95	105973	42.483	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 84.960%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.953	59	4716	12.644	ug/l #	81
13) Acrolein	2.233	56	202	0.488	ug/l #	1
16) Acetone	2.386	43	163040	160.853	ug/l	98
18) Methyl Acetate	2.703	43	5067	1.318	ug/l	96
20) Methylene Chloride	2.794	84	8622	4.695	ug/l	94
25) 2-Butanone	4.562	43	52457	36.967	ug/l	97
26) 2,2-Dichloropropane	4.568	77	534	0.214	ug/l #	54
29) Tetrahydrofuran	5.025	42	1923	2.134	ug/l #	45
31) Cyclohexane	5.556	56	3977	1.520	ug/l #	38
36) 1,1-Dichloropropene	5.556	75	13191	5.301	ug/l #	51
37) Ethyl Acetate	4.708	43	53134	18.326	ug/l	99
38) Carbon Tetrachloride	5.556	117	15970	6.601	ug/l #	16
43) Isopropyl Acetate	6.342	43	202710	45.685	ug/l	98
48) Methyl methacrylate	7.799	41	180277	79.190	ug/l #	50
49) 1,4-Dioxane	7.793	88	333	8.737	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	434617	155.125	ug/l #	81
53) t-1,3-Dichloropropene	8.958	75	1122	0.428	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	60946	21.684	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	7650	2.377	ug/l #	42
59) 2-Hexanone	9.482	43	122501	58.812	ug/l #	51
74) N-amyl acetate	10.640	43	53483	15.701	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	60893	25.257	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	60893	88.406	ug/l #	5

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

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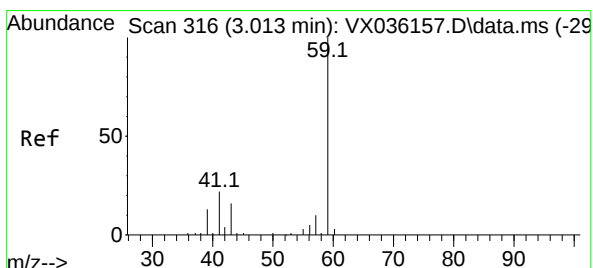
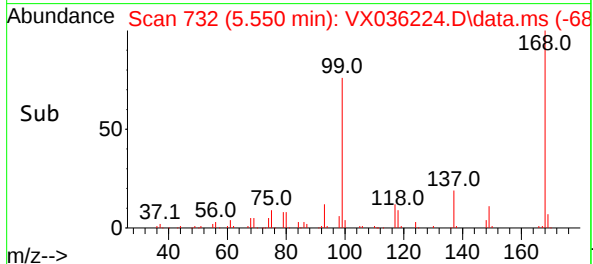
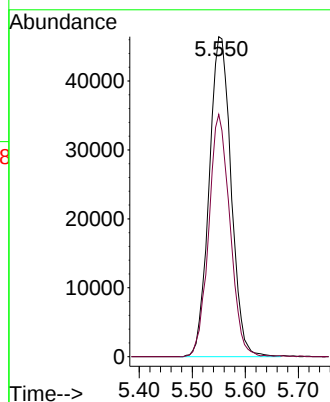
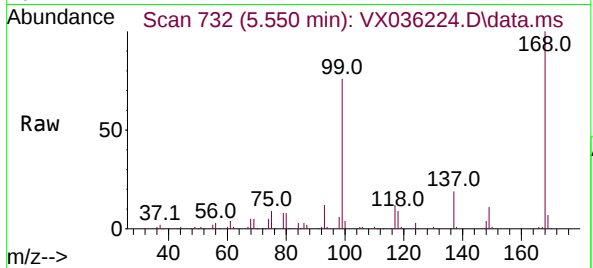




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

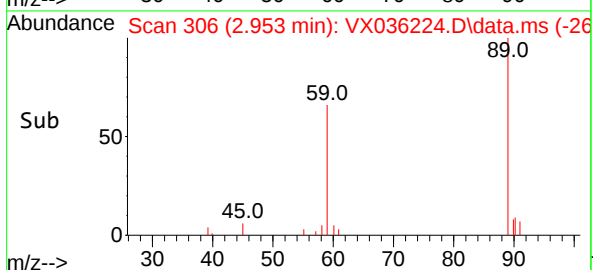
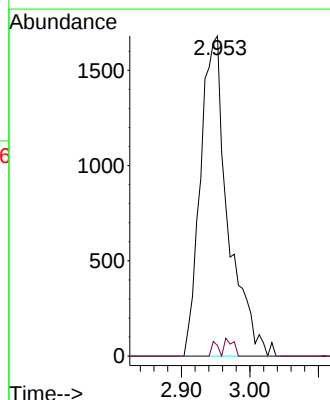
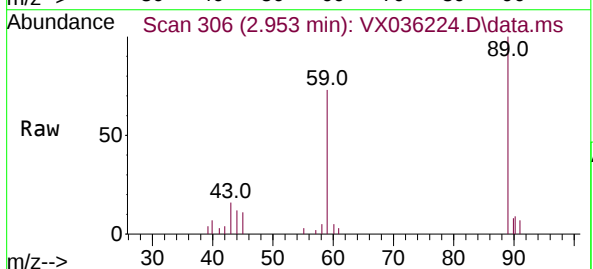
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#12

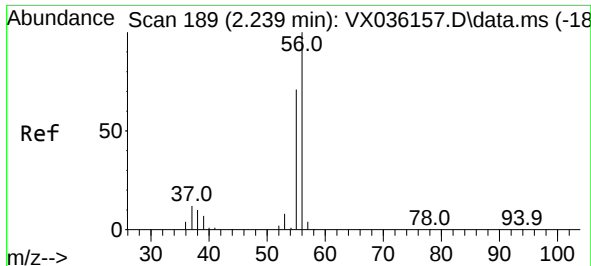
Tgt Ion:168 Resp: 133501
Ion Ratio Lower Upper
168 100
99 75.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 12.644 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.060 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

Tgt Ion: 59 Resp: 4716
Ion Ratio Lower Upper
59 100
57 1.0 6.0 9.0#

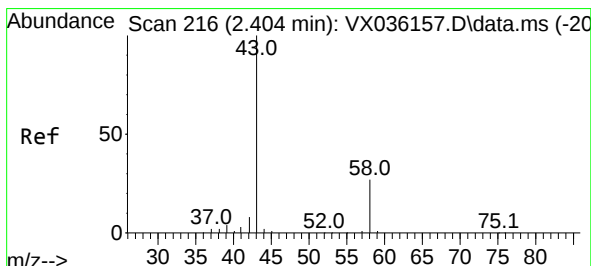
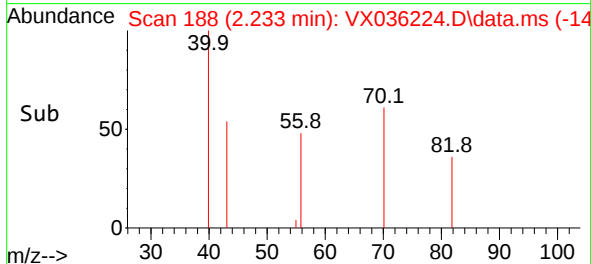
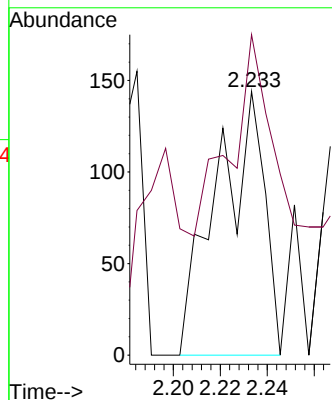
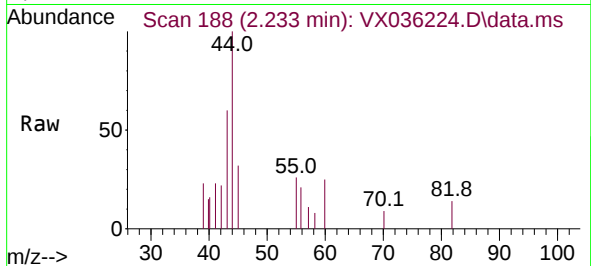




#13
Acrolein
Concen: 0.488 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

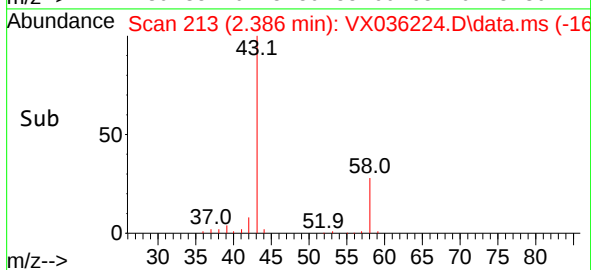
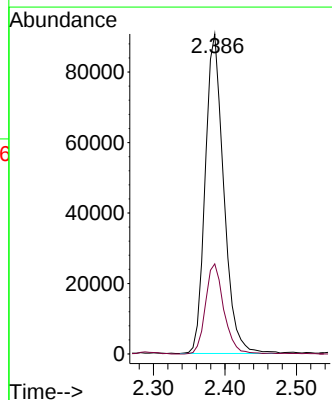
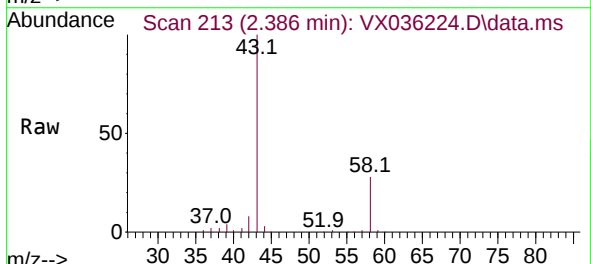
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#12

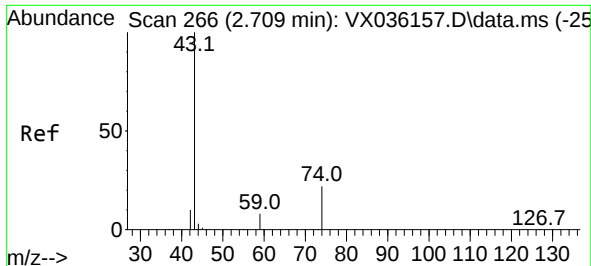
Tgt Ion: 56 Resp: 202
Ion Ratio Lower Upper
56 100
55 184.7 57.1 85.7#



#16
Acetone
Concen: 160.853 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.018 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

Tgt Ion: 43 Resp: 163040
Ion Ratio Lower Upper
43 100
58 28.2 21.9 32.9

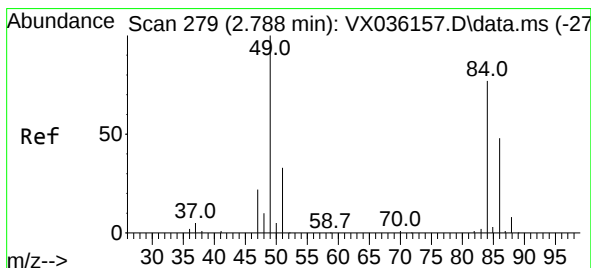
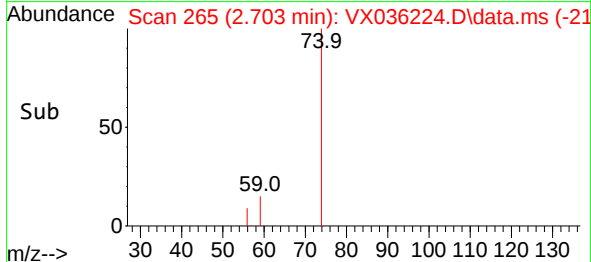
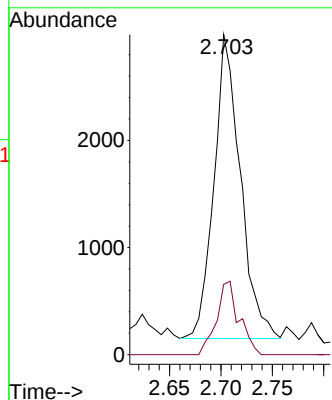
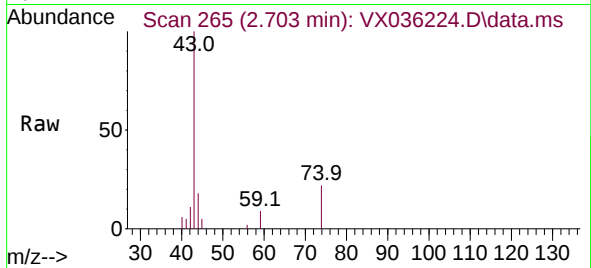




#18
Methyl Acetate
Concen: 1.318 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

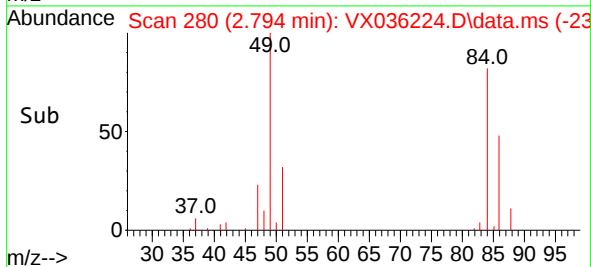
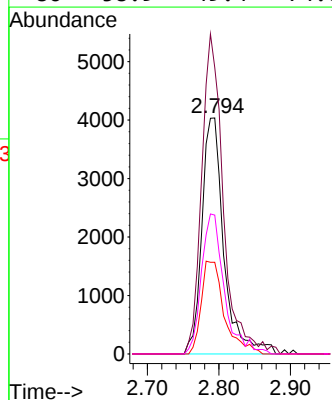
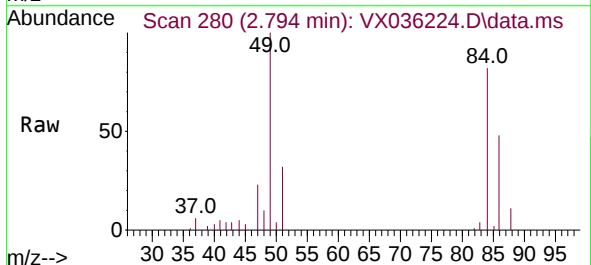
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#12

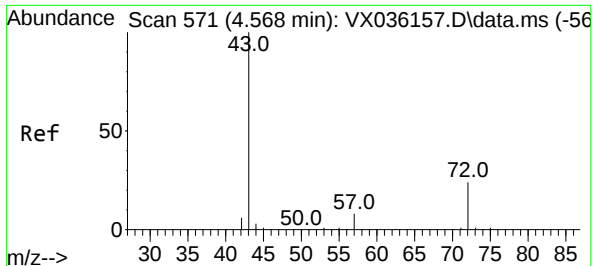
Tgt Ion: 43 Resp: 5067
Ion Ratio Lower Upper
43 100
74 20.5 17.8 26.8



#20
Methylene Chloride
Concen: 4.695 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

Tgt Ion: 84 Resp: 8622
Ion Ratio Lower Upper
84 100
49 121.4 103.6 155.4
51 38.8 33.8 50.6
86 58.9 49.4 74.0





#25

2-Butanone

Concen: 36.967 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX036224.D

Acq: 19 Jun 2023 22:20

Instrument :

MSVOA_X

ClientSampleId :

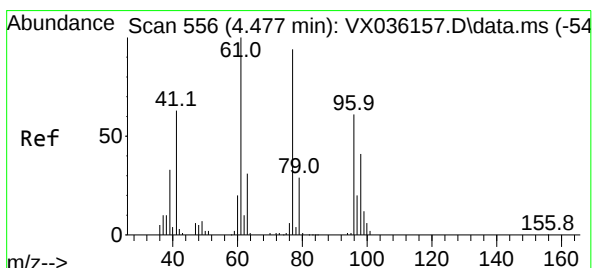
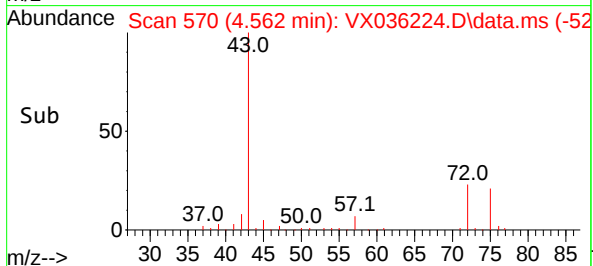
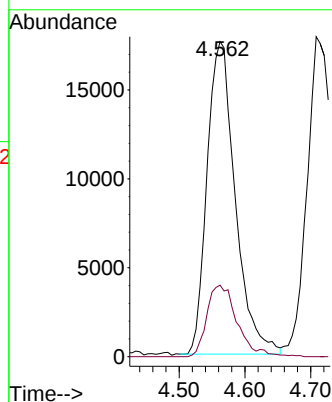
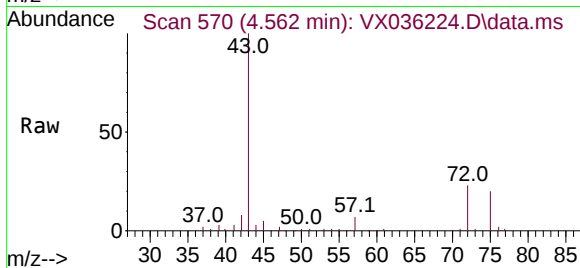
PB153531ZHE#12

Tgt Ion: 43 Resp: 52457

Ion Ratio Lower Upper

43 100

72 22.9 19.4 29.2



#26

2,2-Dichloropropane

Concen: 0.214 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.091 min

Lab File: VX036224.D

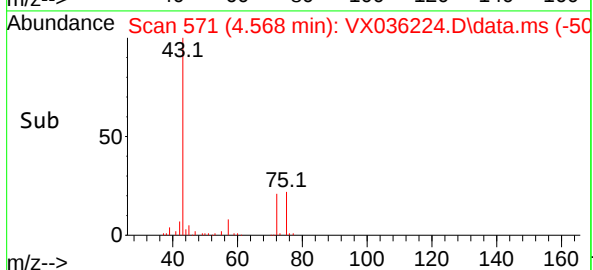
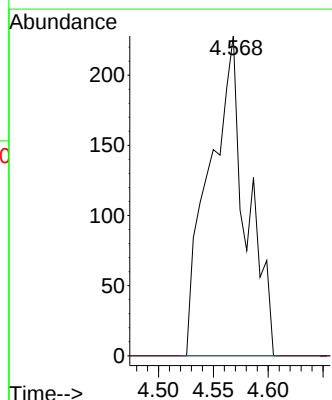
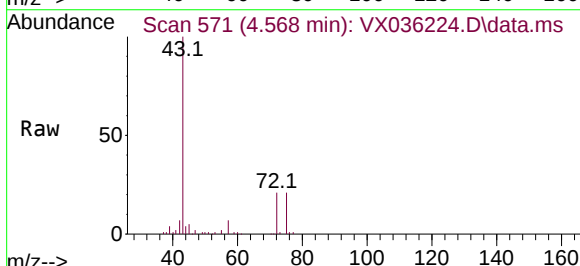
Acq: 19 Jun 2023 22:20

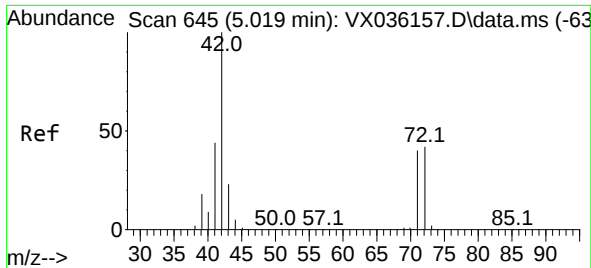
Tgt Ion: 77 Resp: 534

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#





#29

Tetrahydrofuran

Concen: 2.134 ug/l

RT: 5.025 min Scan# 645

Delta R.T. 0.006 min

Lab File: VX036224.D

Acq: 19 Jun 2023 22:20

Instrument :

MSVOA_X

ClientSampleId :

PB153531ZHE#12

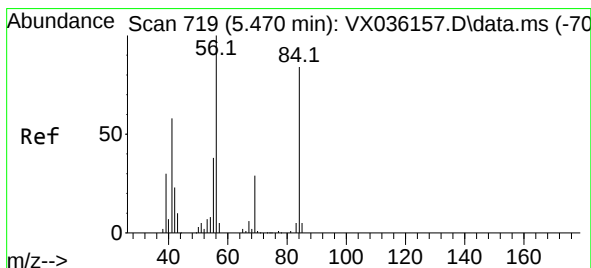
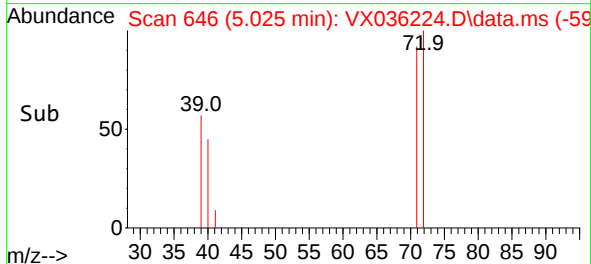
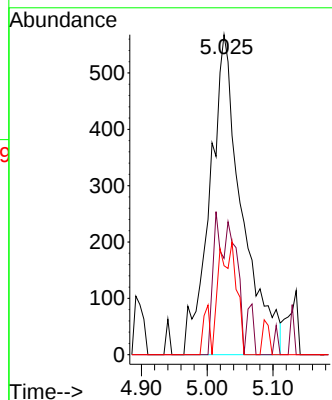
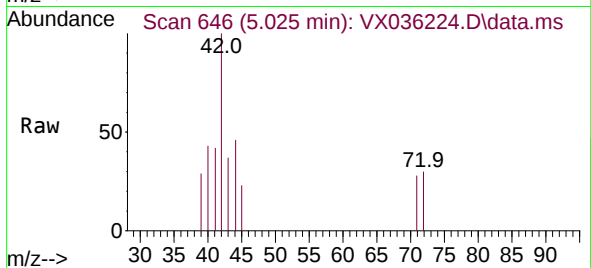
Tgt Ion: 42 Resp: 1923

Ion Ratio Lower Upper

42 100

72 13.9 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.520 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX036224.D

Acq: 19 Jun 2023 22:20

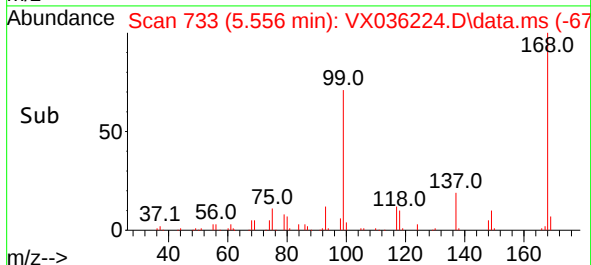
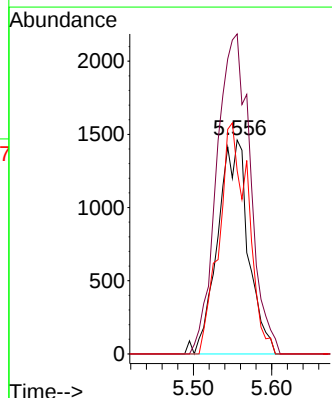
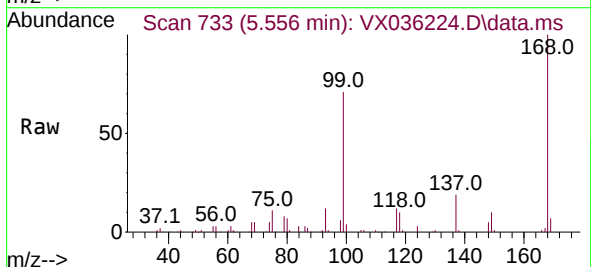
Tgt Ion: 56 Resp: 3977

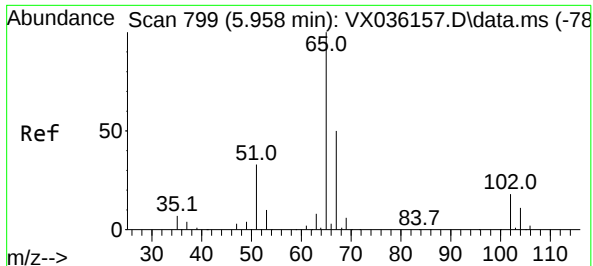
Ion Ratio Lower Upper

56 100

69 149.6 23.4 35.2#

84 85.7 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 52.289 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX036224.D

Acq: 19 Jun 2023 22:20

Instrument :

MSVOA_X

ClientSampleId :

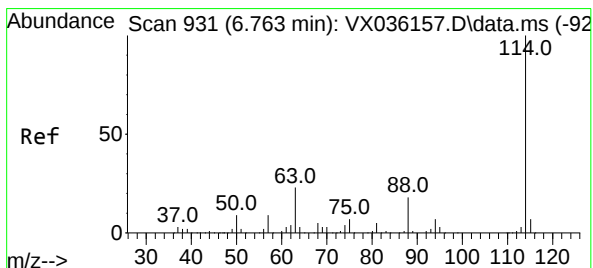
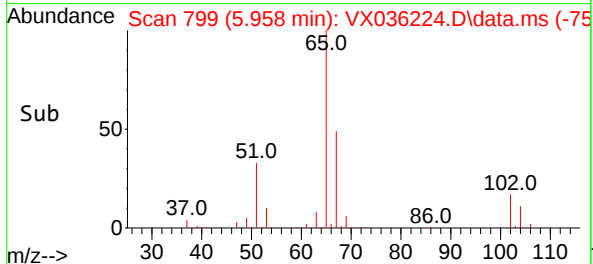
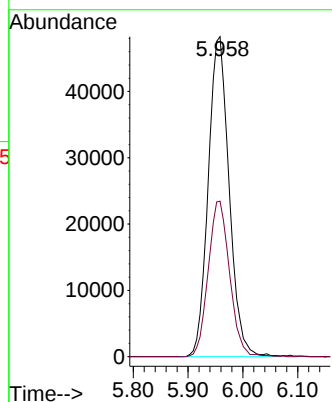
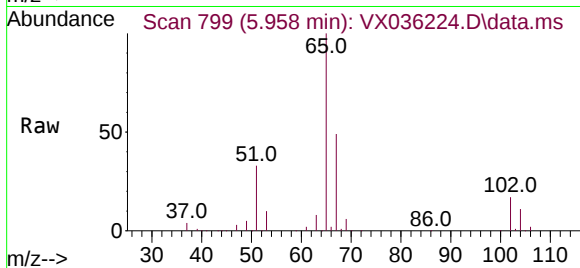
PB153531ZHE#12

Tgt Ion: 65 Resp: 127567

Ion Ratio Lower Upper

65 100

67 49.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX036224.D

Acq: 19 Jun 2023 22:20

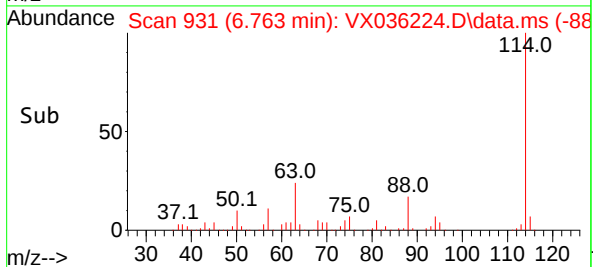
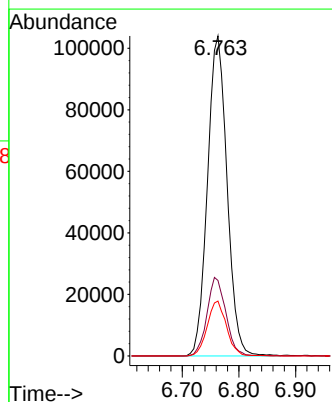
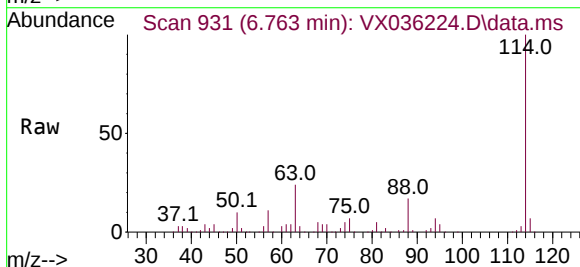
Tgt Ion: 114 Resp: 249130

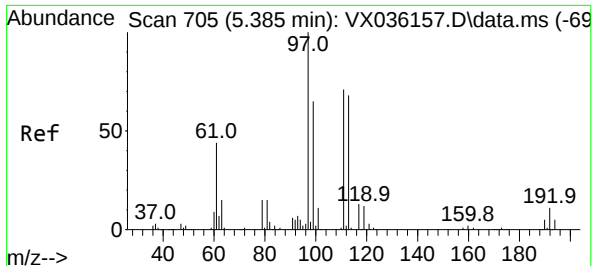
Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.0

88 17.2 0.0 36.6

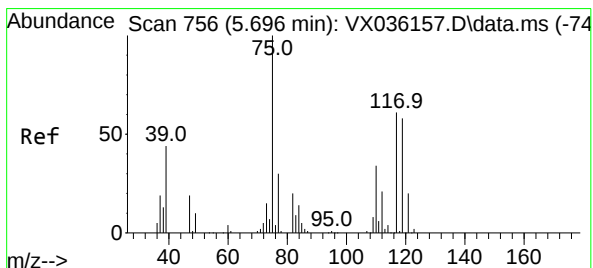
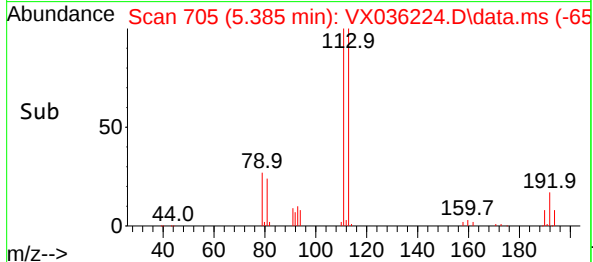
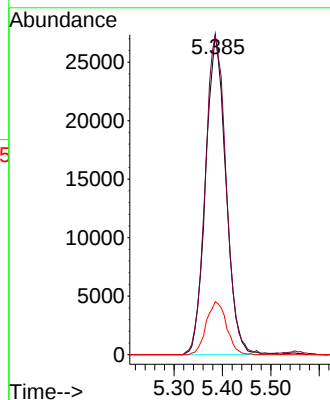
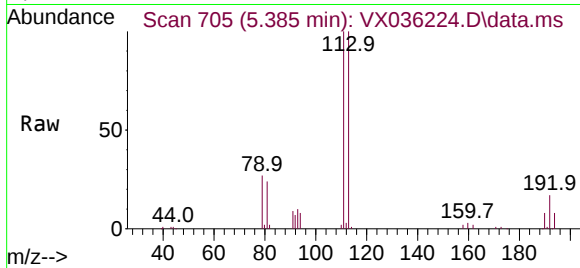




#35
Dibromofluoromethane
Concen: 47.100 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

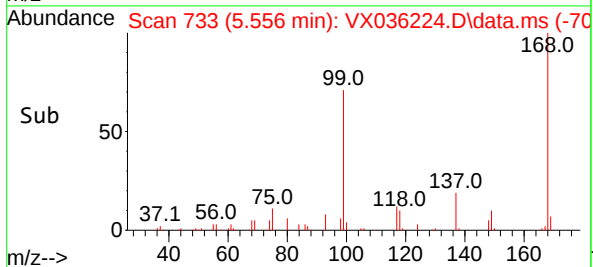
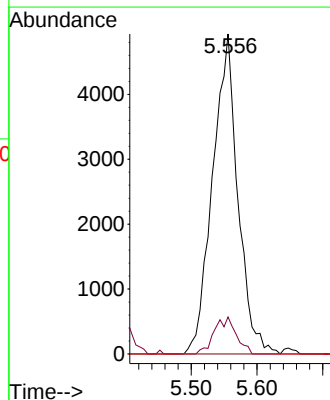
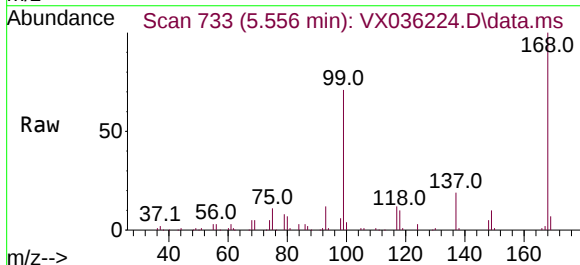
Instrument :
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PB153531ZHE#12

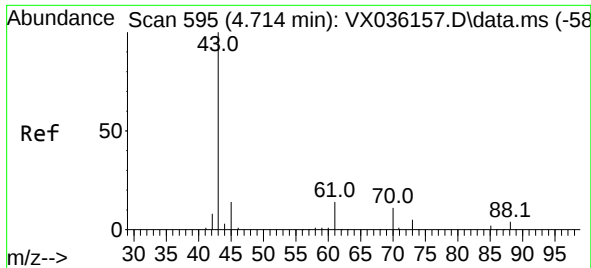
Tgt Ion:113 Resp: 79570
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 16.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.301 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

Tgt Ion: 75 Resp: 13191
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#

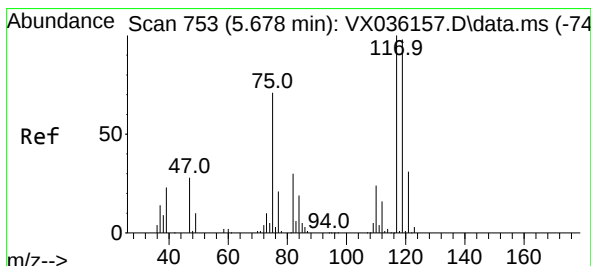
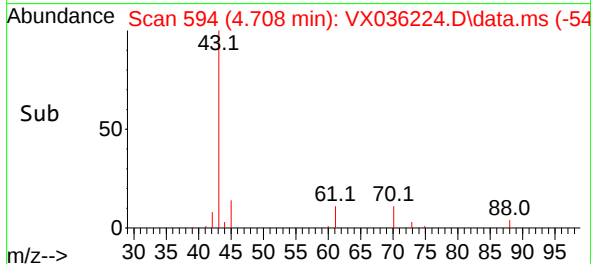
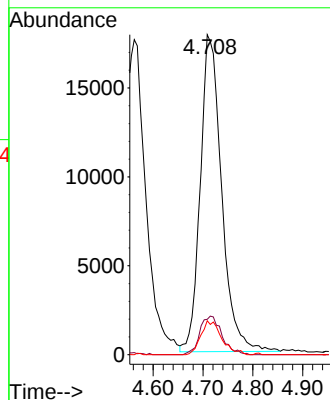
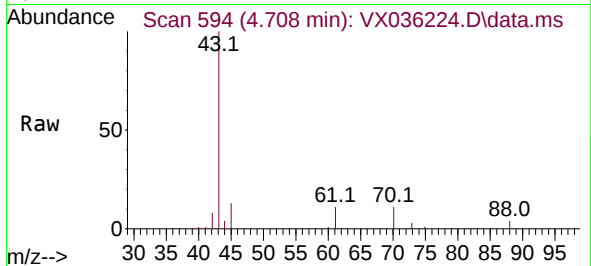




#37
Ethyl Acetate
Concen: 18.326 ug/l
RT: 4.708 min Scan# 594
Delta R.T. -0.006 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

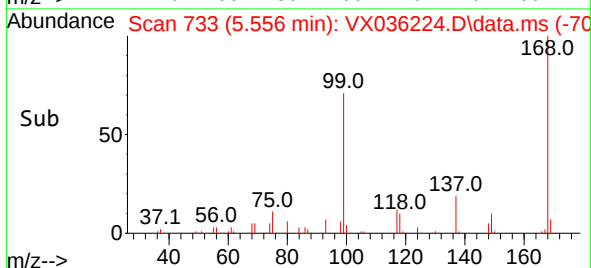
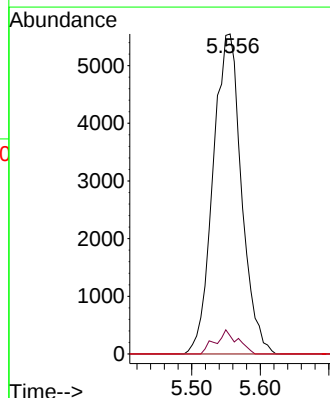
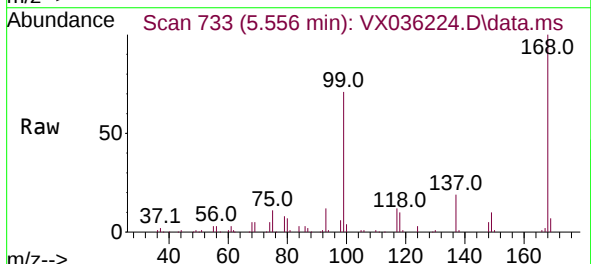
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#12

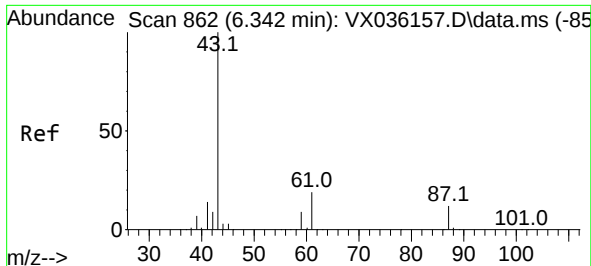
Tgt Ion: 43 Resp: 53134
Ion Ratio Lower Upper
43 100
61 12.5 10.6 16.0
70 10.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 6.601 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

Tgt Ion: 117 Resp: 15970
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 24.4 36.6#

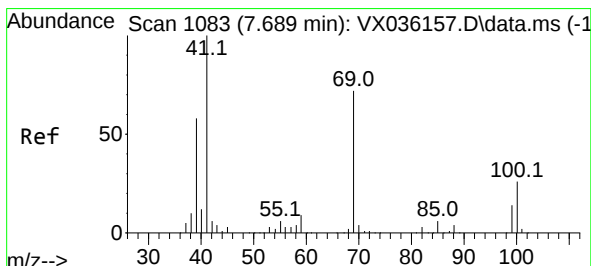
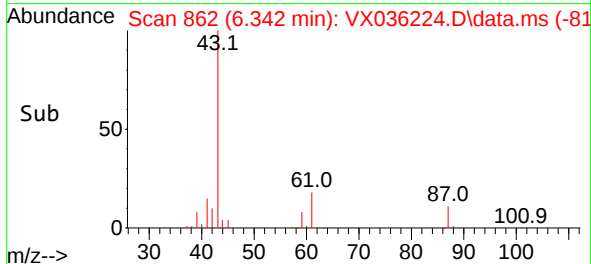
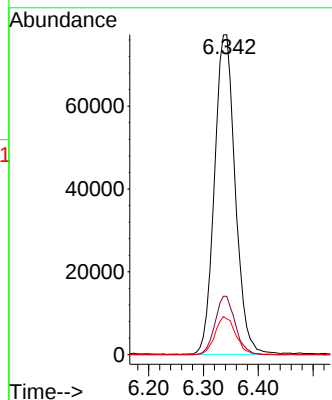
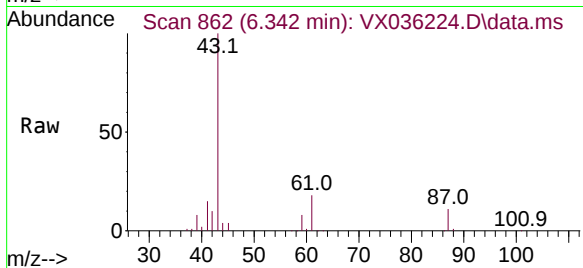




#43
Isopropyl Acetate
Concen: 45.685 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

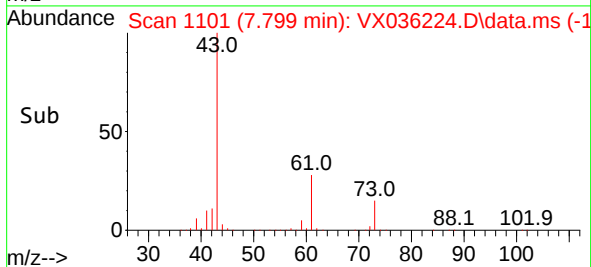
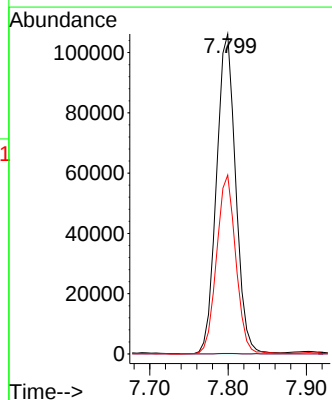
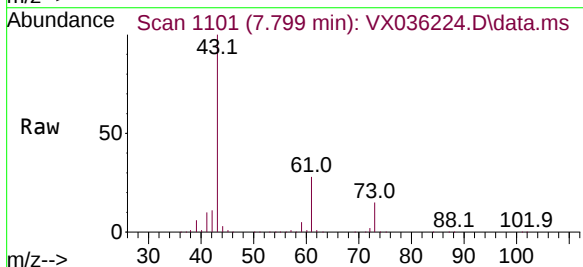
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#12

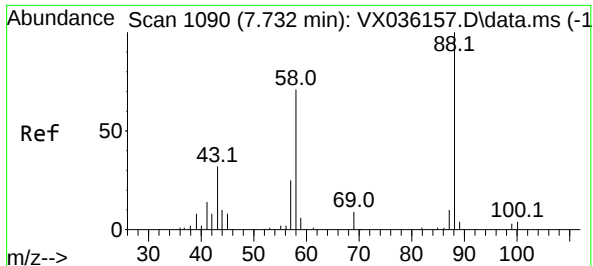
Tgt Ion: 43 Resp: 202710
Ion Ratio Lower Upper
43 100
61 17.8 15.2 22.8
87 11.8 9.8 14.6



#48
Methyl methacrylate
Concen: 79.190 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

Tgt Ion: 41 Resp: 180277
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 56.2 47.7 71.5

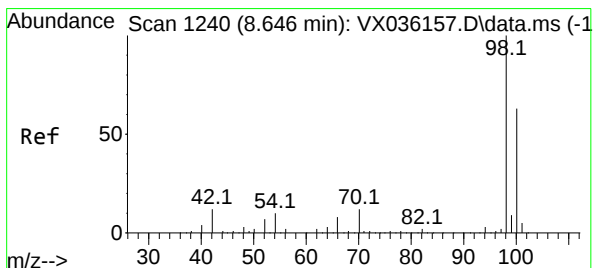
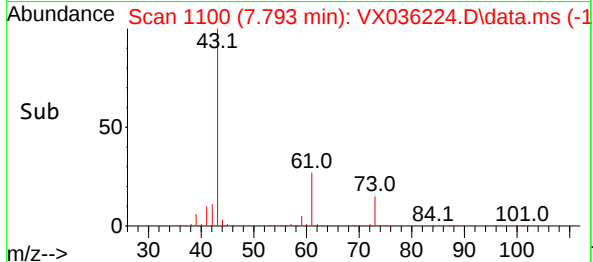
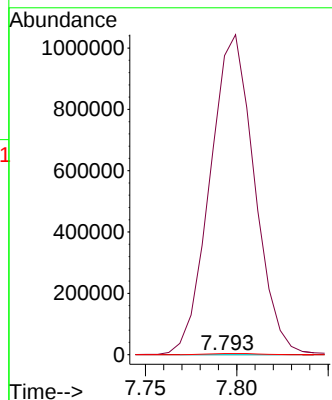
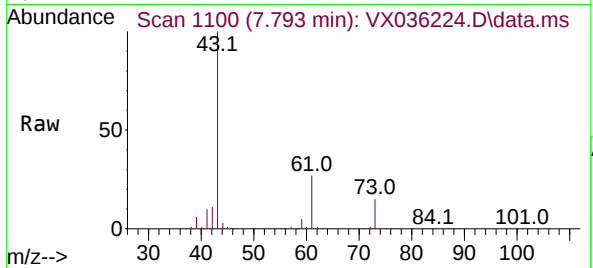




#49
1,4-Dioxane
Concen: 8.737 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.061 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

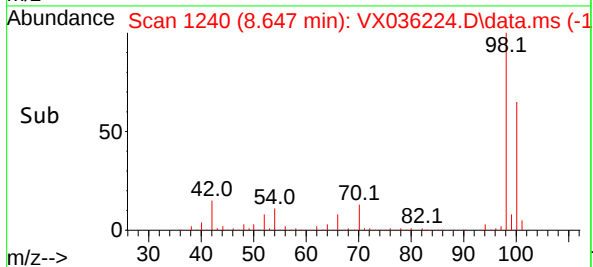
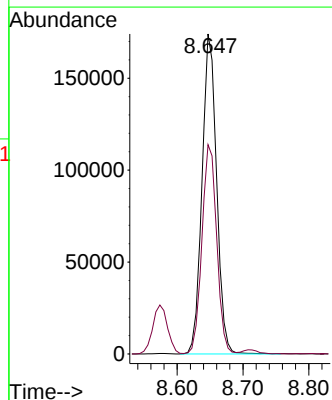
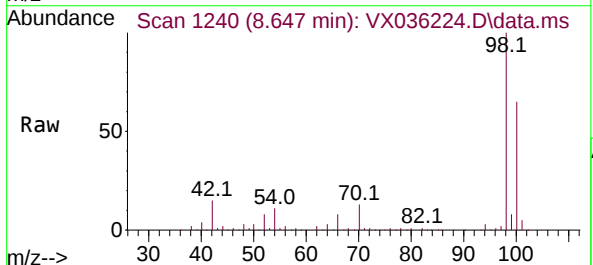
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#12

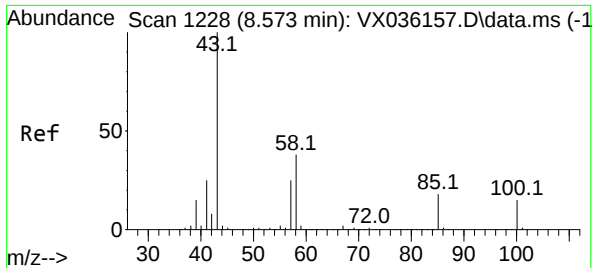
Tgt Ion: 88 Resp: 333
Ion Ratio Lower Upper
88 100
43 533456.5 0.0 0.0#
58 2204.5 60.1 90.1#



#50
Toluene-d8
Concen: 43.349 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

Tgt Ion: 98 Resp: 267879
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7

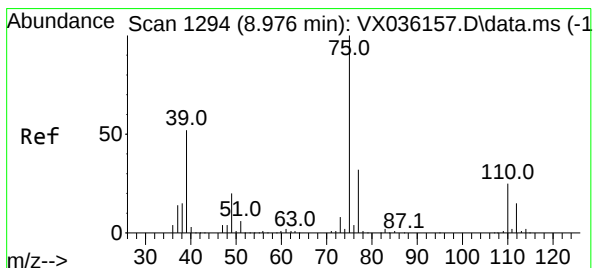
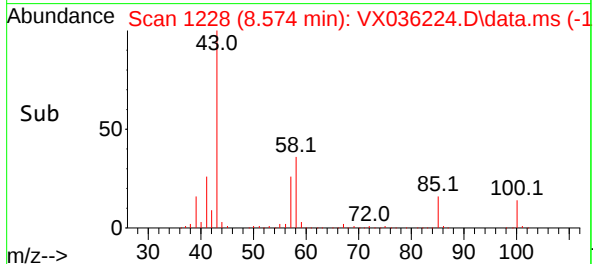
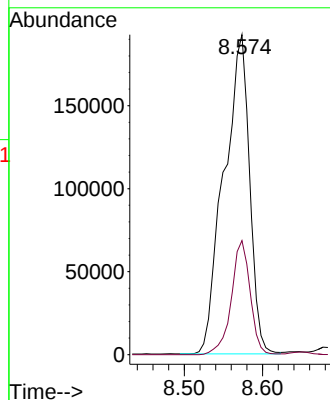
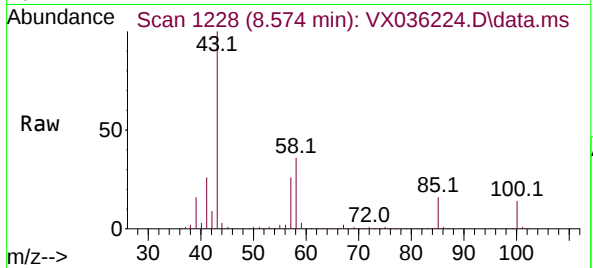




#51
4-Methyl-2-Pentanone
Concen: 155.125 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

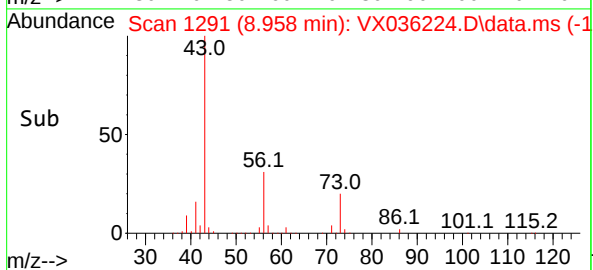
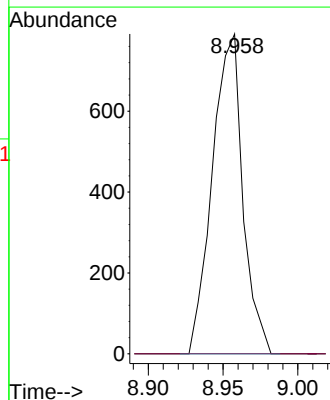
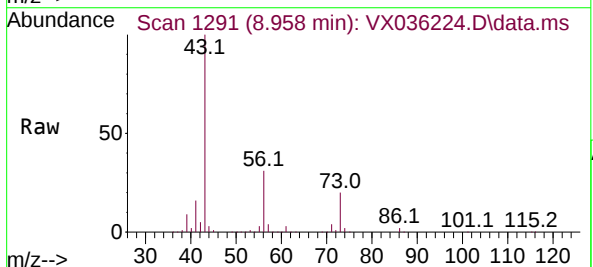
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#12

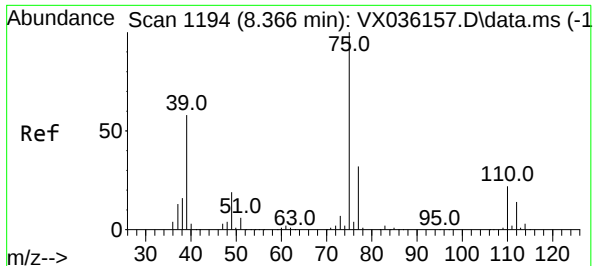
Tgt Ion: 43 Resp: 434617
Ion Ratio Lower Upper
43 100
58 26.4 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.428 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

Tgt Ion: 75 Resp: 1122
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

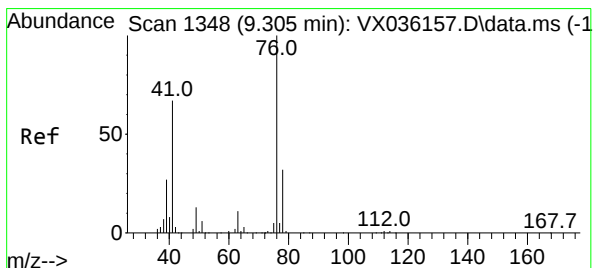
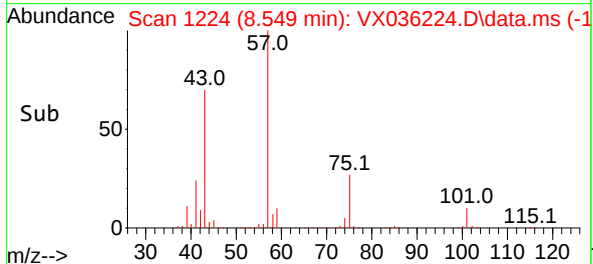
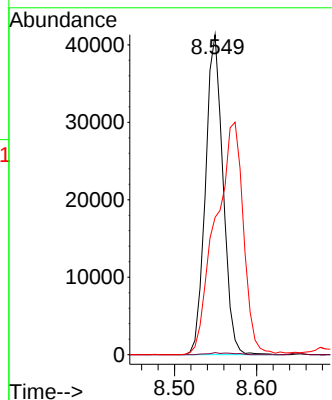
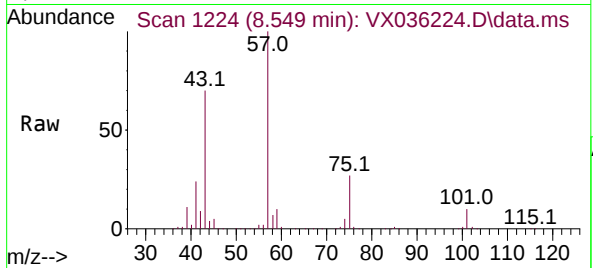




#54
 cis-1,3-Dichloropropene
 Concen: 21.684 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036224.D
 Acq: 19 Jun 2023 22:20

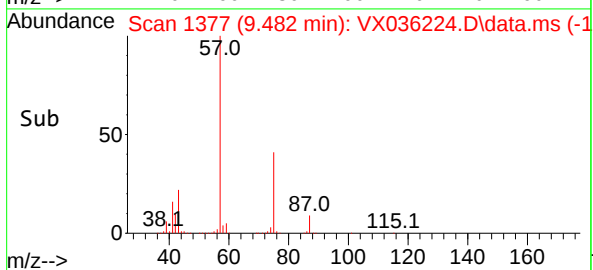
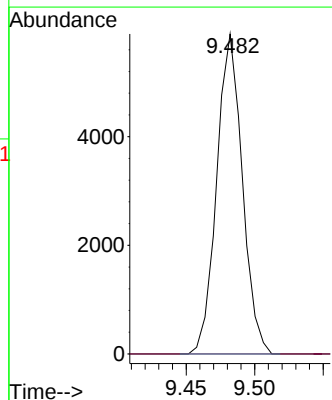
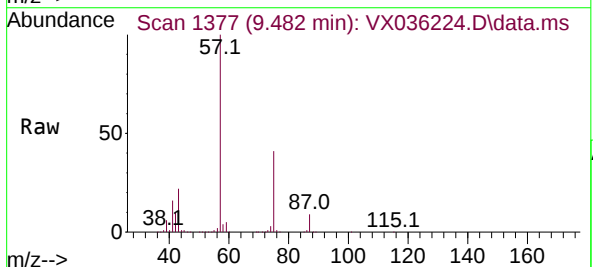
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153531ZHE#12

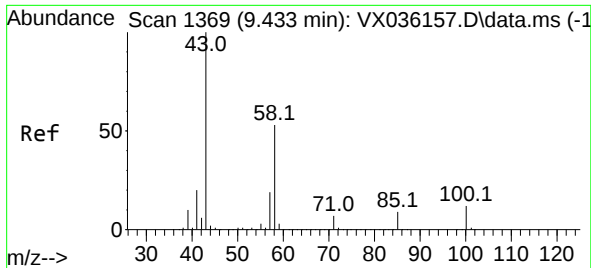
Tgt Ion: 75 Resp: 60946
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 42.9 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.377 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036224.D
 Acq: 19 Jun 2023 22:20

Tgt Ion: 76 Resp: 7650
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

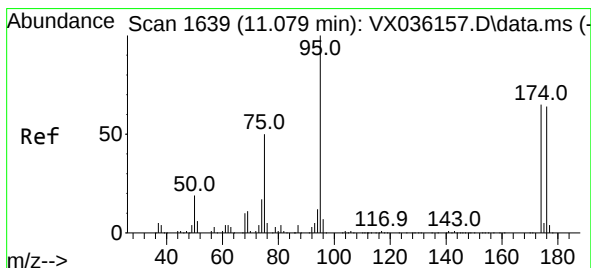
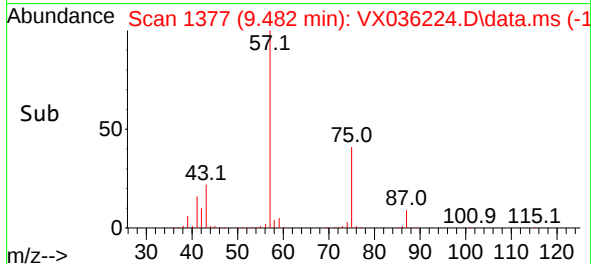
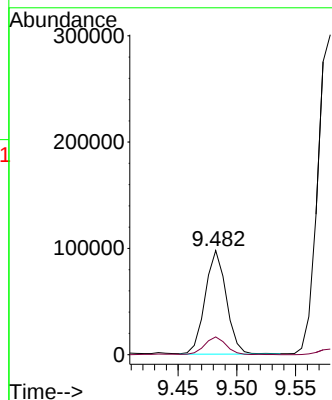
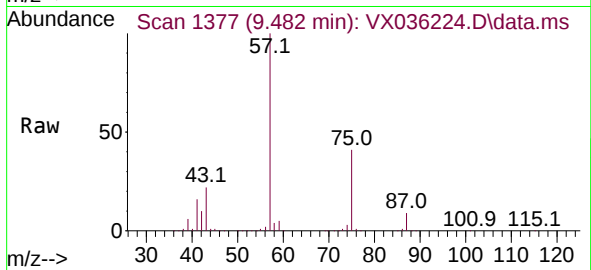




#59
2-Hexanone
Concen: 58.812 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

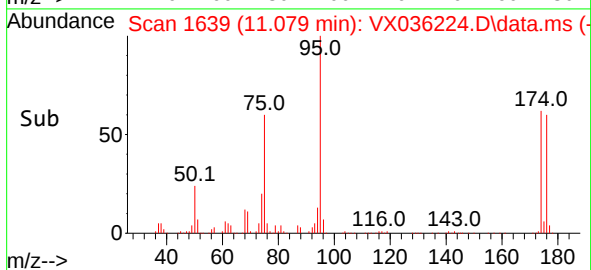
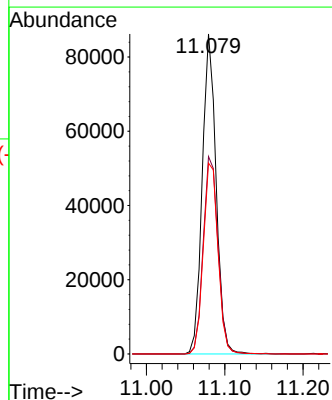
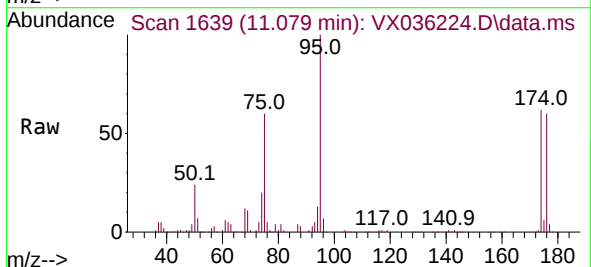
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#12

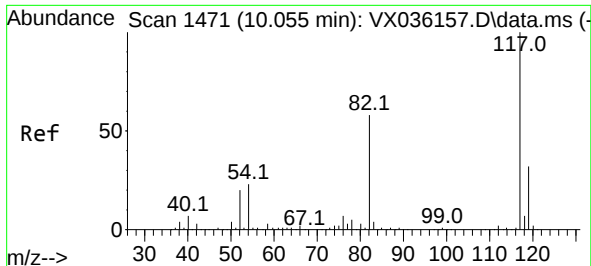
Tgt Ion: 43 Resp: 122501
Ion Ratio Lower Upper
43 100
58 17.6 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 42.483 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

Tgt Ion: 95 Resp: 105973
Ion Ratio Lower Upper
95 100
174 65.9 0.0 135.6
176 63.4 0.0 131.0

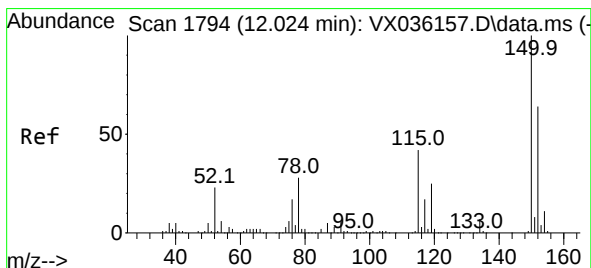
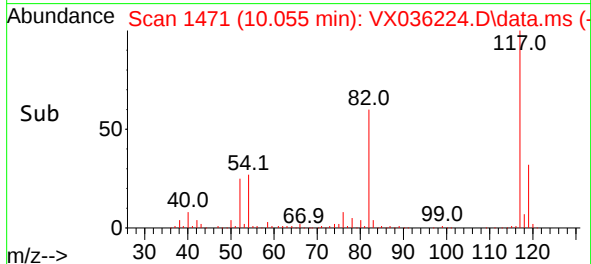
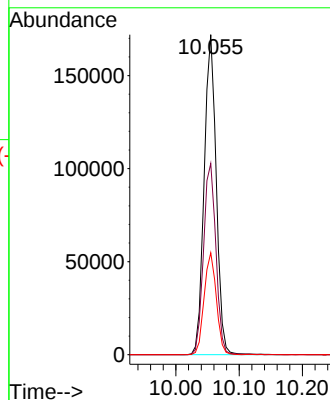
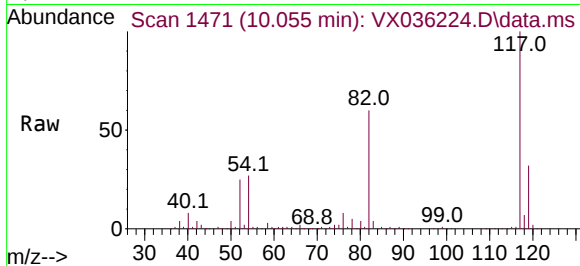




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

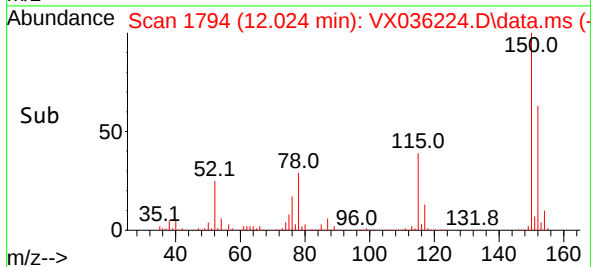
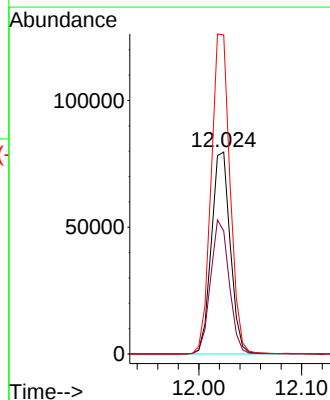
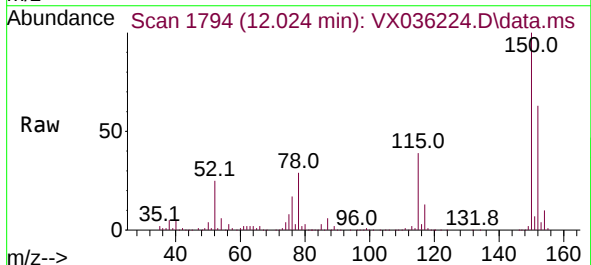
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#12

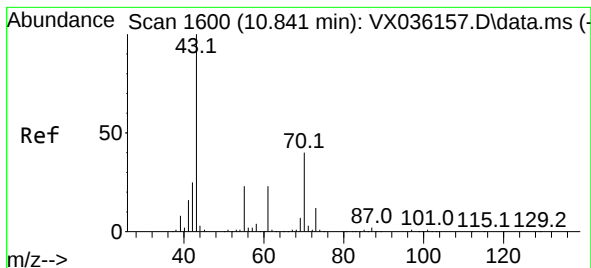
Tgt Ion:117 Resp: 228928
Ion Ratio Lower Upper
117 100
82 59.8 46.2 69.4
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036224.D
Acq: 19 Jun 2023 22:20

Tgt Ion:152 Resp: 101585
Ion Ratio Lower Upper
152 100
115 65.3 43.3 129.9
150 158.5 0.0 345.0





#74

N-amy1 acetate

Concen: 15.701 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX036224.D

Acq: 19 Jun 2023 22:20

Instrument :

MSVOA_X

ClientSampleId :

PB153531ZHE#12

Tgt Ion: 43 Resp: 53483

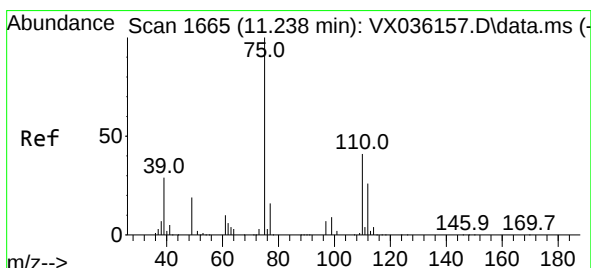
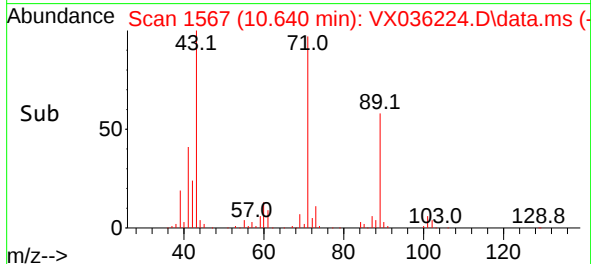
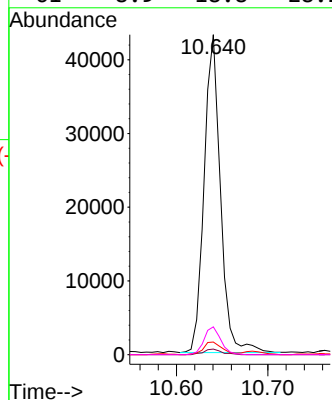
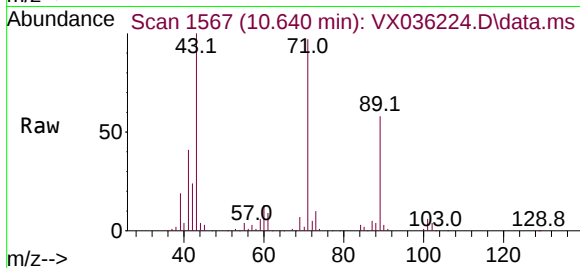
Ion Ratio Lower Upper

43 100

70 1.9 32.9 49.3#

55 4.6 19.3 28.9#

61 8.9 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 25.257 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036224.D

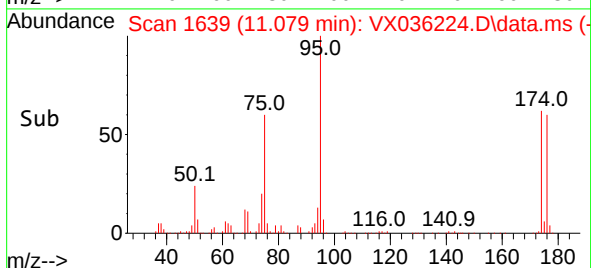
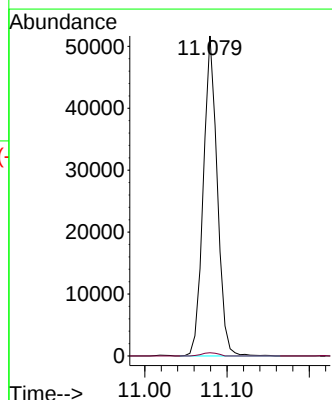
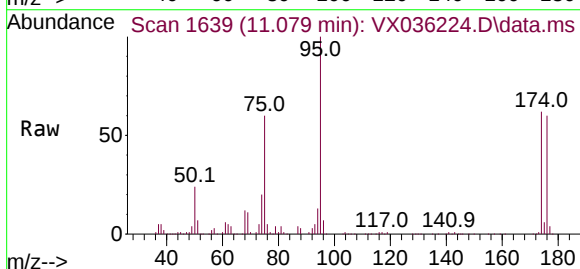
Acq: 19 Jun 2023 22:20

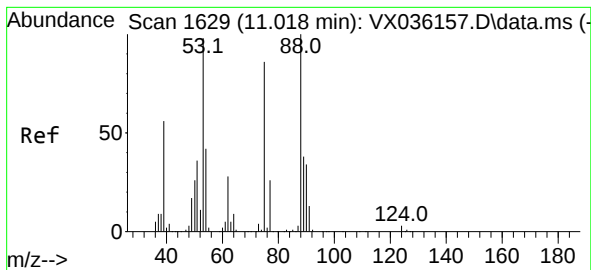
Tgt Ion: 75 Resp: 60893

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.406 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036224.D
 Acq: 19 Jun 2023 22:20

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153531ZHE#12

Tgt Ion: 75 Resp: 60893
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 36.9 55.3#

