

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036225.D
 Acq On : 19 Jun 2023 22:43
 Operator : JC/MD
 Sample : PB153531ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153531ZHE#13

Quant Time: Jun 20 03:51:26 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)

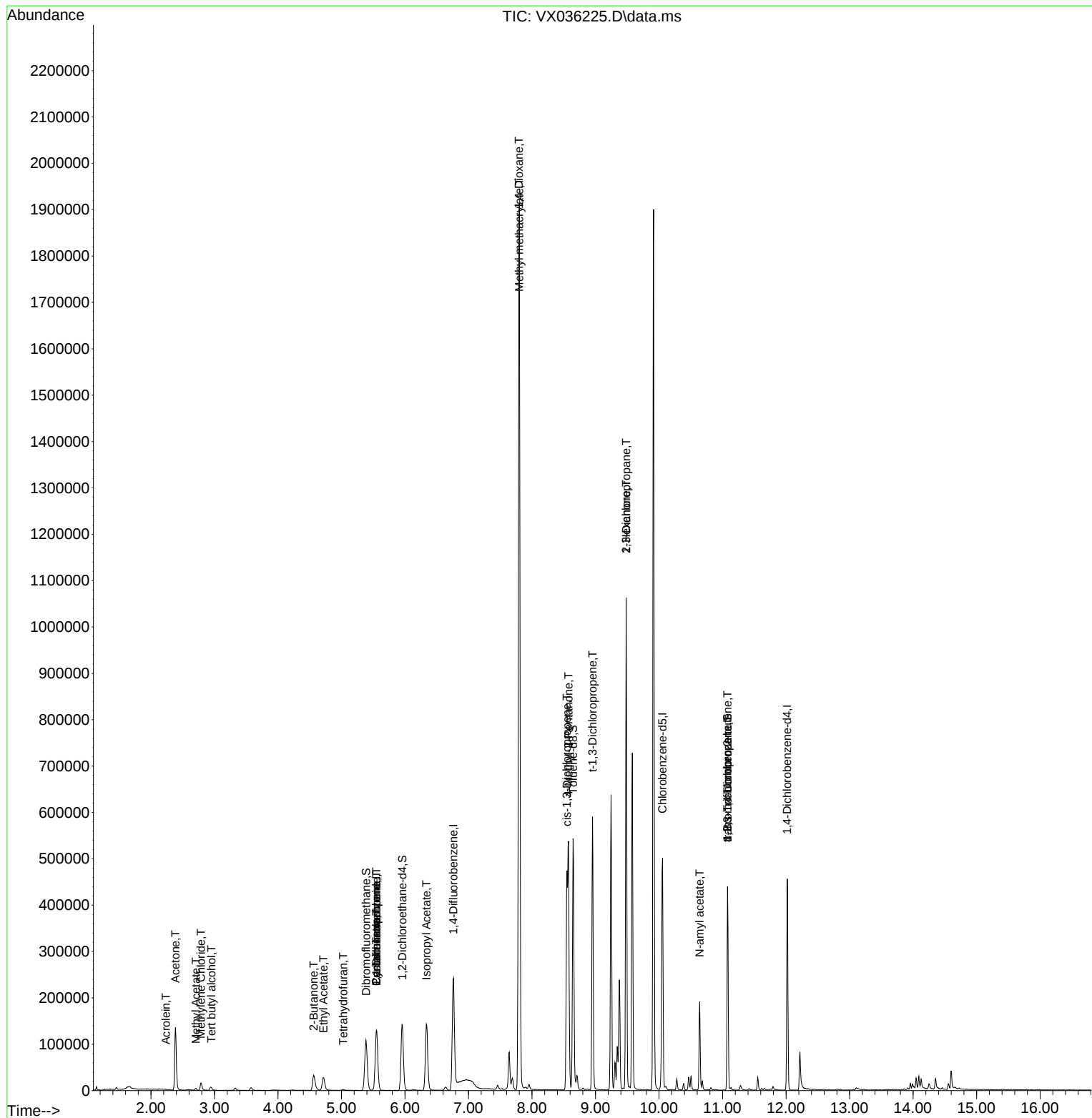
Internal Standards						
1) Pentafluorobenzene	5.550	168	109676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	218238	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	83055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	146451	73.070	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 146.140%#	
35) Dibromofluoromethane	5.385	113	92295	62.365	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 124.740%#	
50) Toluene-d8	8.647	98	296299	54.735	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 109.460%	
62) 4-Bromofluorobenzene	11.079	95	112374	51.426	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	4860	15.861	ug/l #	78
13) Acrolein	2.233	56	78	0.229	ug/l	87
16) Acetone	2.386	43	159825	191.935	ug/l	100
18) Methyl Acetate	2.709	43	4921	1.558	ug/l	98
20) Methylene Chloride	2.788	84	7946	5.267	ug/l	97
25) 2-Butanone	4.562	43	53222	45.654	ug/l	99
29) Tetrahydrofuran	5.026	42	1405	1.898	ug/l #	77
31) Cyclohexane	5.550	56	3203	1.490	ug/l #	8
36) 1,1-Dichloropropene	5.550	75	11300	5.184	ug/l #	51
37) Ethyl Acetate	4.715	43	51579	20.308	ug/l	99
38) Carbon Tetrachloride	5.550	117	12639	5.964	ug/l #	16
43) Isopropyl Acetate	6.336	43	203497	52.354	ug/l	98
48) Methyl methacrylate	7.799	41	182199	91.364	ug/l #	49
49) 1,4-Dioxane	7.793	88	324	9.704	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	453338	184.711	ug/l #	80
53) t-1,3-Dichloropropene	8.952	75	1228	0.535	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	65146	26.460	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	8230	2.920	ug/l #	43
59) 2-Hexanone	9.482	43	127338	69.788	ug/l #	50
74) N-amyl acetate	10.640	43	50737	18.218	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	64107	32.523	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	64107	113.838	ug/l #	5

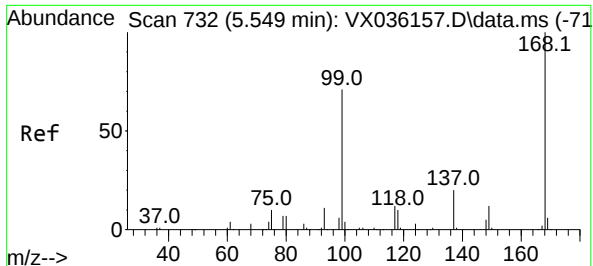
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Fri Jun 16 16:28:40 2023
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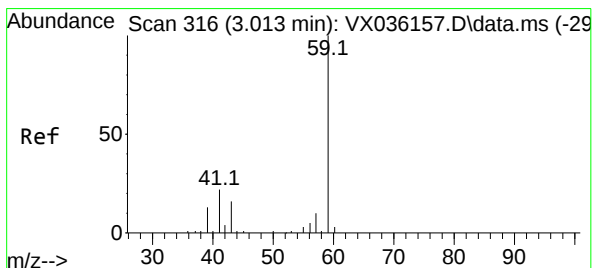
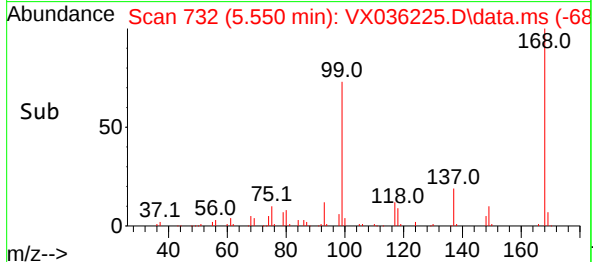
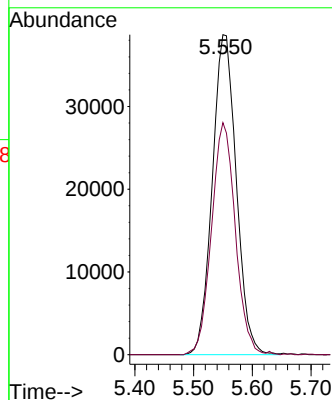
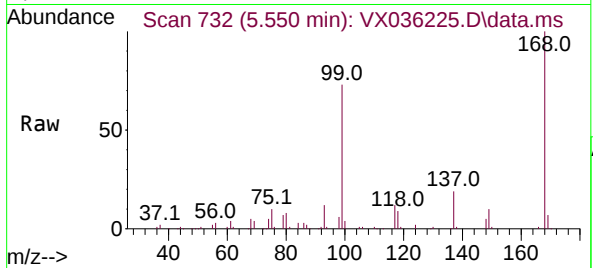




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

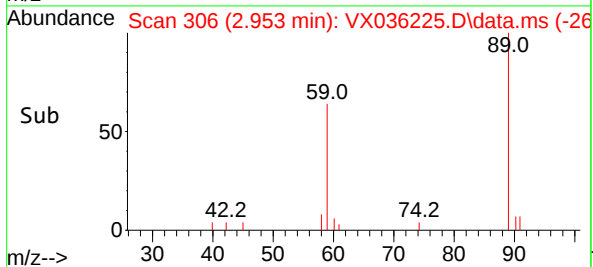
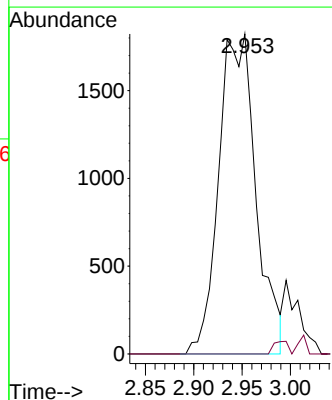
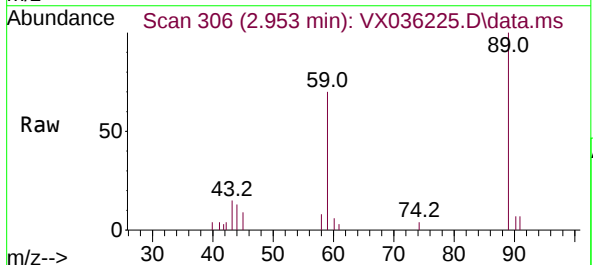
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#13

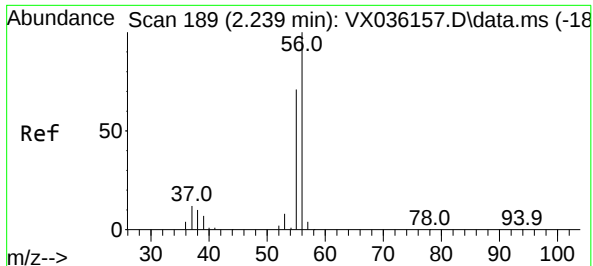
Tgt Ion:168 Resp: 109676
Ion Ratio Lower Upper
168 100
99 72.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 15.861 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.060 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

Tgt Ion: 59 Resp: 4860
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

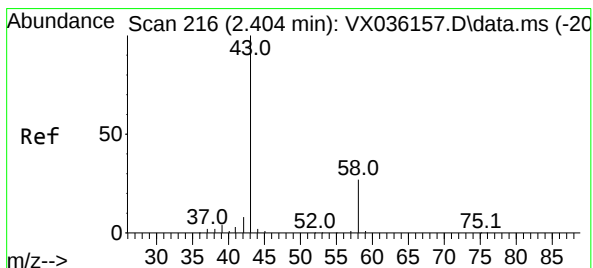
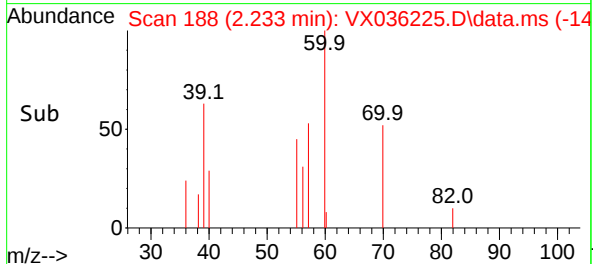
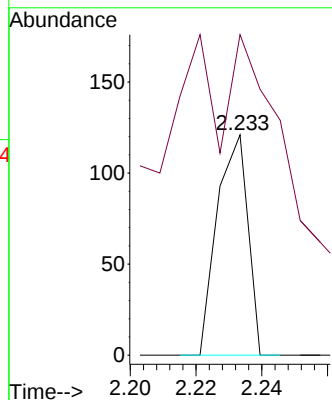
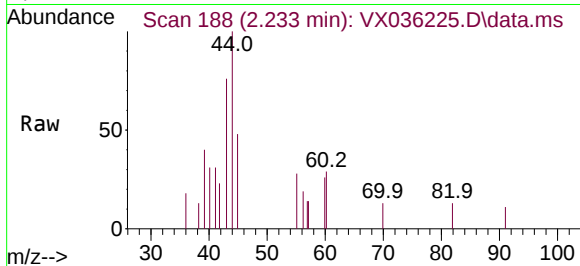




#13
Acrolein
Concen: 0.229 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

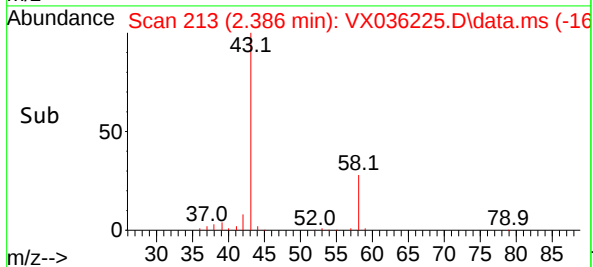
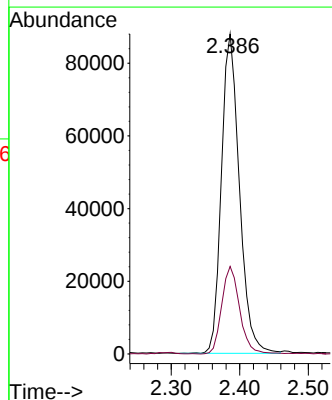
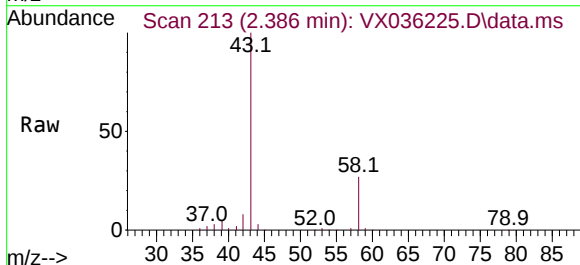
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#13

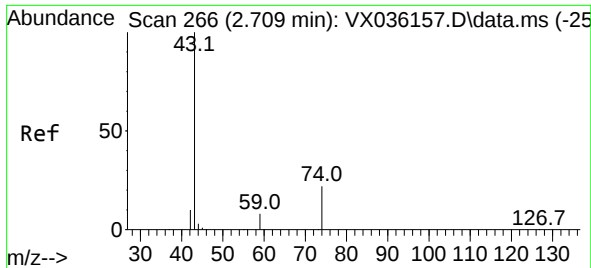
Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 60.3 57.1 85.7



#16
Acetone
Concen: 191.935 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.018 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

Tgt Ion: 43 Resp: 159825
Ion Ratio Lower Upper
43 100
58 27.3 21.9 32.9

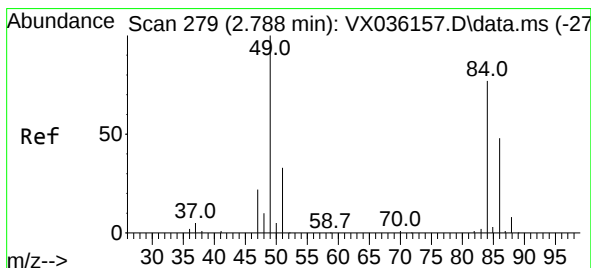
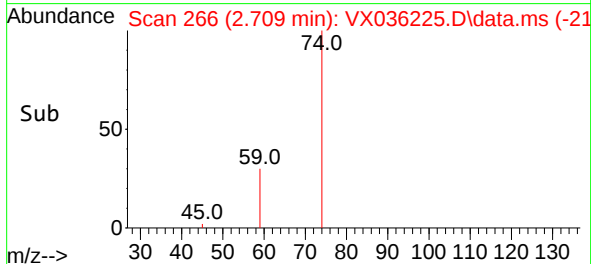
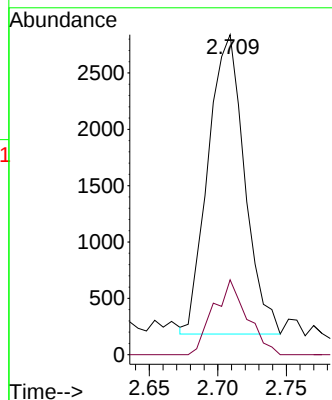
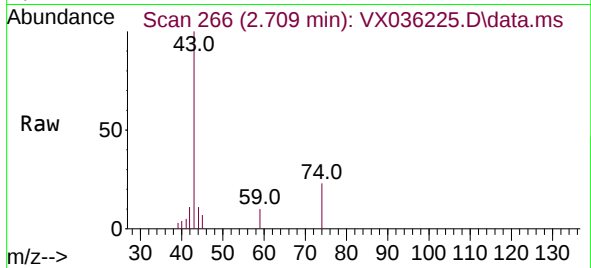




#18
Methyl Acetate
Concen: 1.558 ug/l
RT: 2.709 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

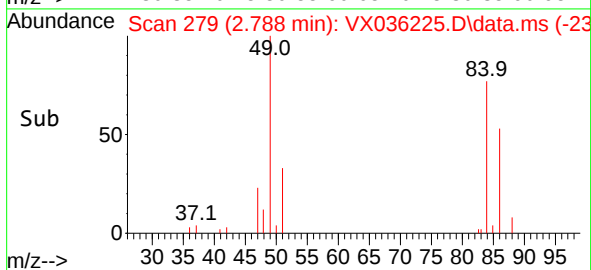
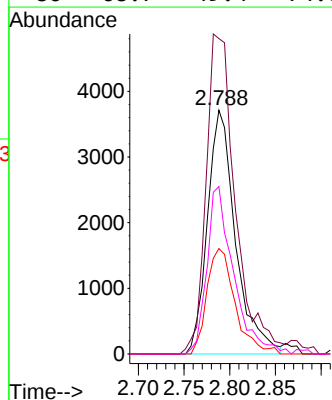
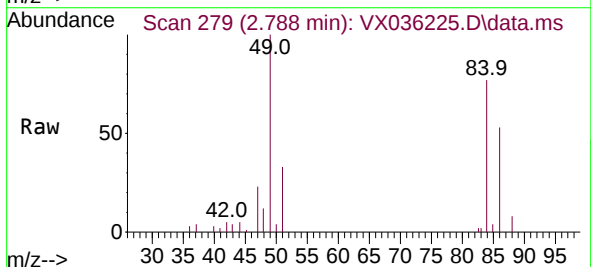
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#13

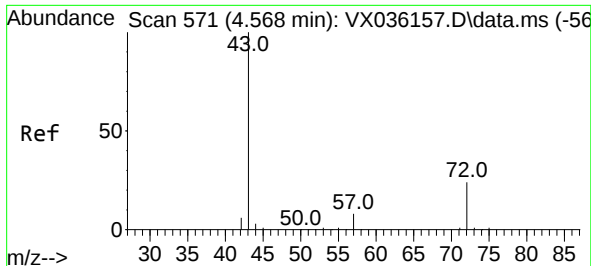
Tgt Ion: 43 Resp: 4921
Ion Ratio Lower Upper
43 100
74 23.1 17.8 26.8



#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

Tgt Ion: 84 Resp: 7946
Ion Ratio Lower Upper
84 100
49 129.4 103.6 155.4
51 43.3 33.8 50.6
86 68.7 49.4 74.0

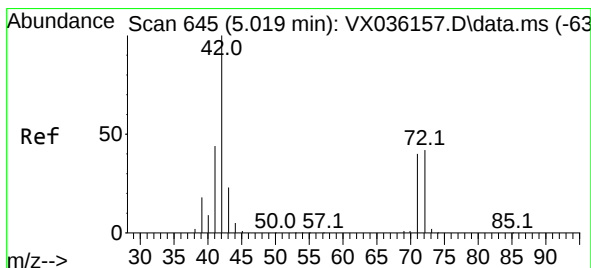
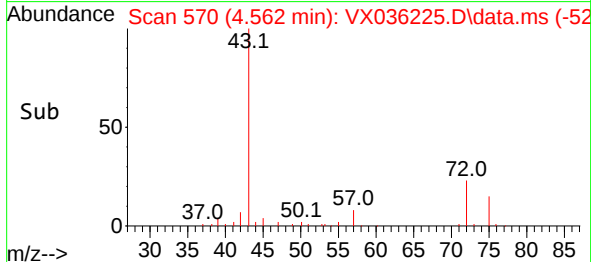
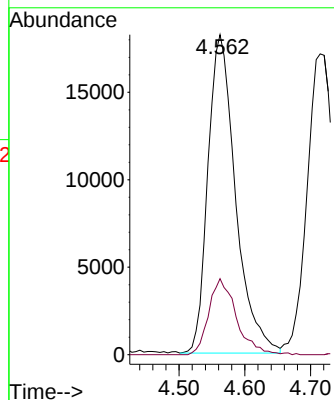
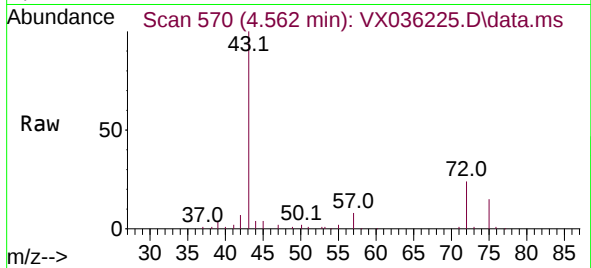




#25
2-Butanone
Concen: 45.654 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

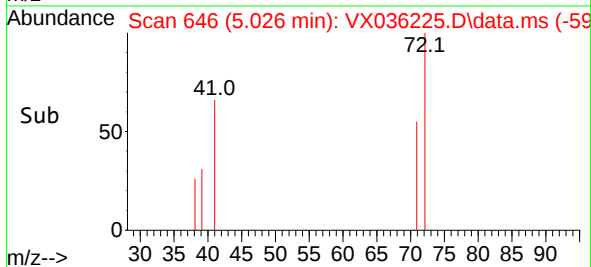
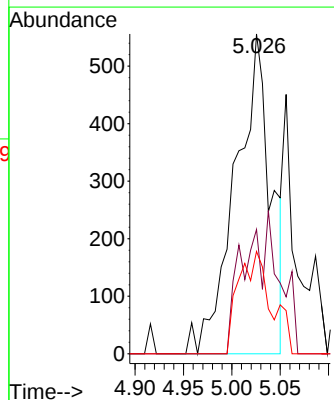
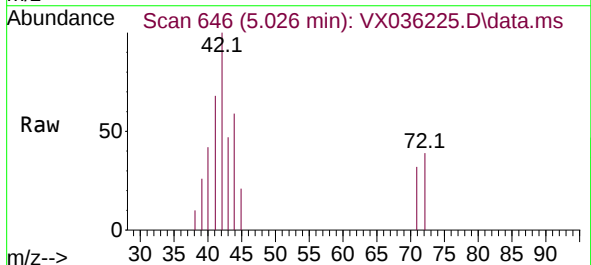
Instrument :
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ClientSampleId :
PB153531ZHE#13

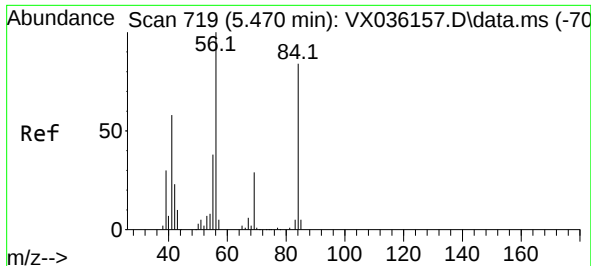
Tgt Ion: 43 Resp: 53222
Ion Ratio Lower Upper
43 100
72 23.9 19.4 29.2



#29
Tetrahydrofuran
Concen: 1.898 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.007 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

Tgt Ion: 42 Resp: 1405
Ion Ratio Lower Upper
42 100
72 24.8 34.2 51.4#
71 29.7 32.2 48.2#

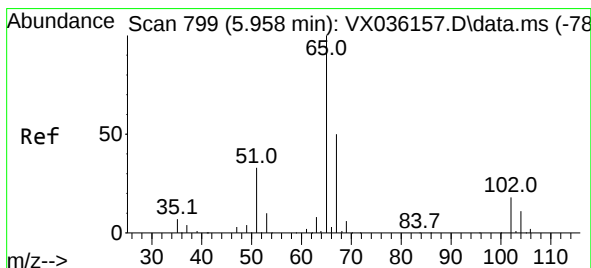
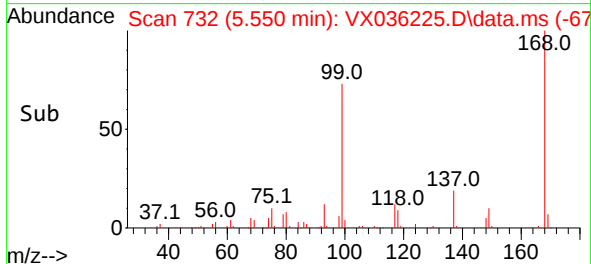
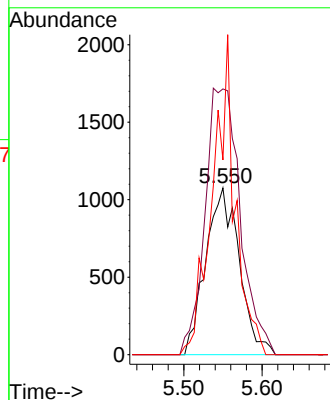
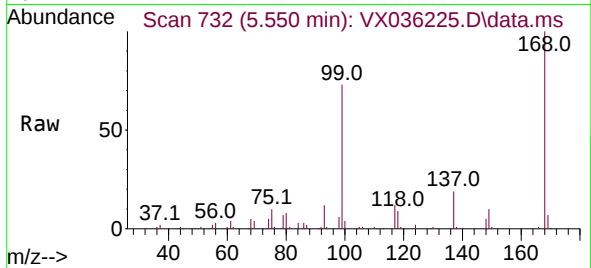




#31
Cyclohexane
Concen: 1.490 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

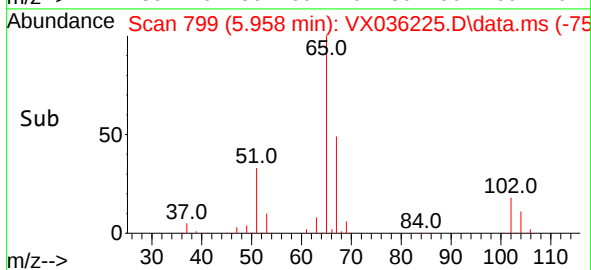
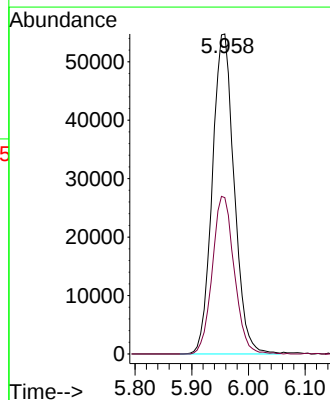
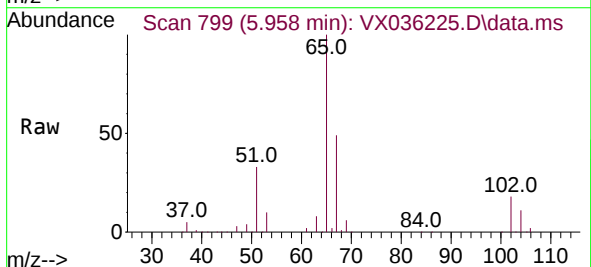
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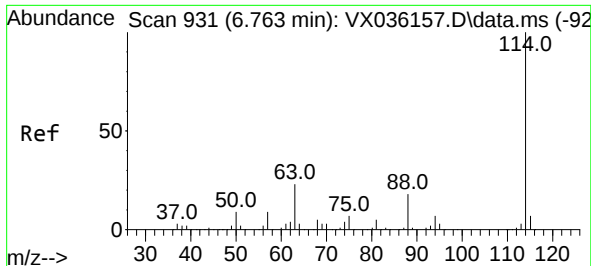
Tgt Ion: 56 Resp: 3203
Ion Ratio Lower Upper
56 100
69 159.4 23.4 35.2#
84 116.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 73.070 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

Tgt Ion: 65 Resp: 146451
Ion Ratio Lower Upper
65 100
67 49.4 0.0 100.2

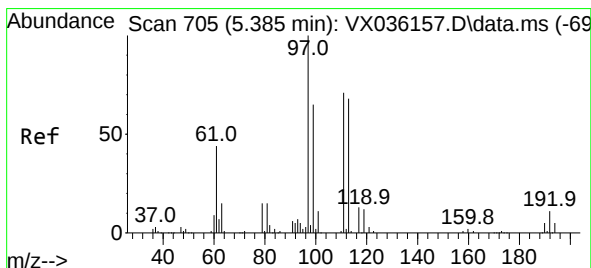
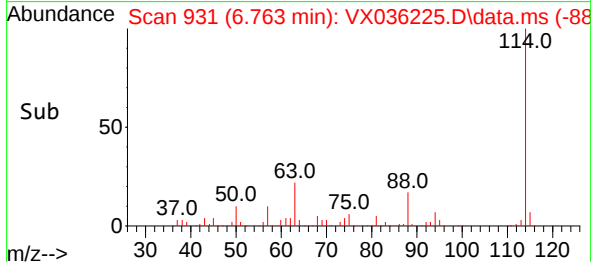
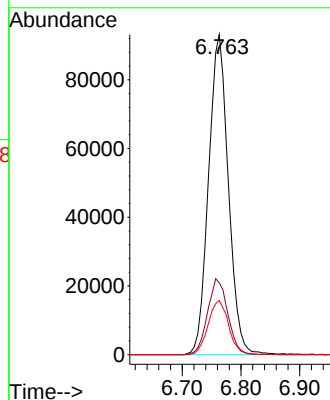
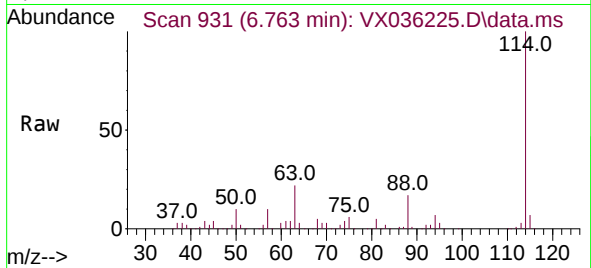




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

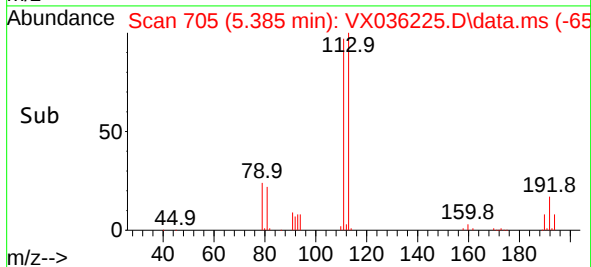
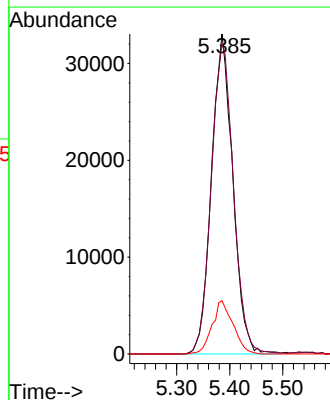
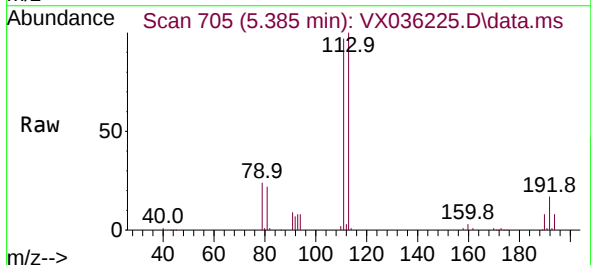
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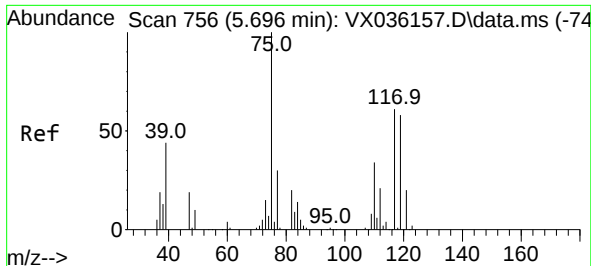
Tgt Ion:114 Resp: 218238
Ion Ratio Lower Upper
114 100
63 22.5 0.0 45.0
88 16.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 62.365 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

Tgt Ion:113 Resp: 92295
Ion Ratio Lower Upper
113 100
111 101.3 82.9 124.3
192 16.4 13.3 19.9

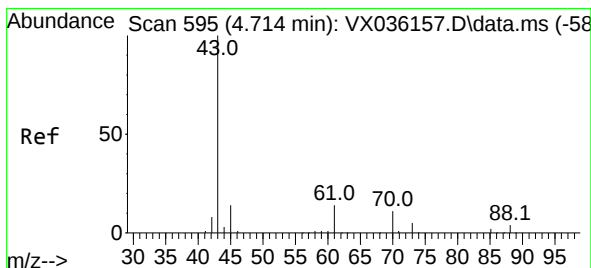
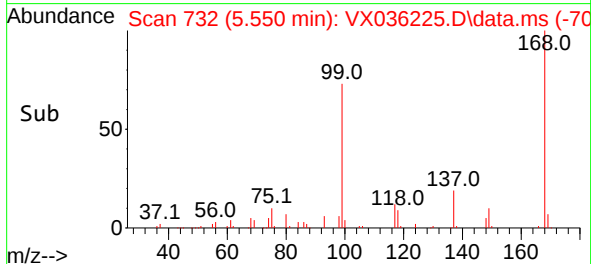
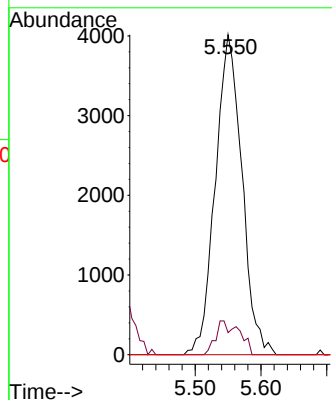
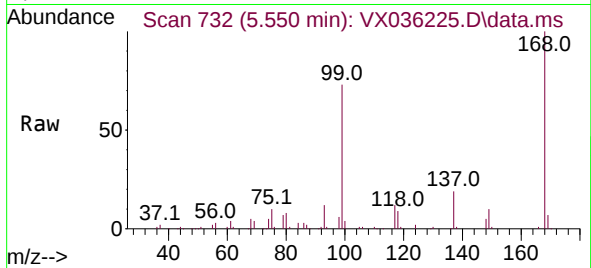




#36
1,1-Dichloropropene
Concen: 5.184 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

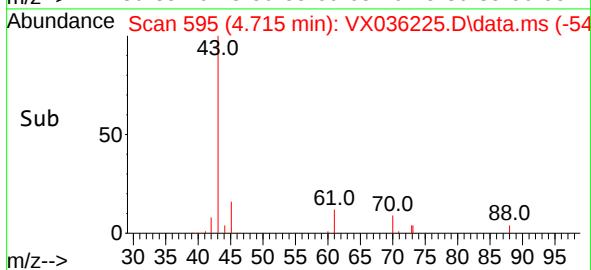
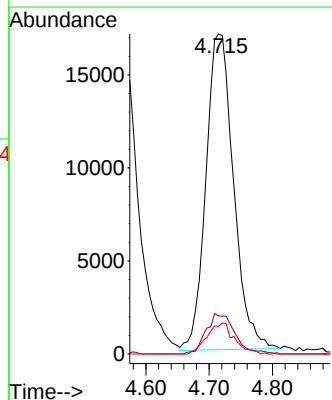
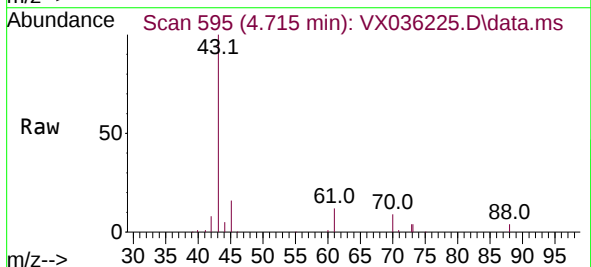
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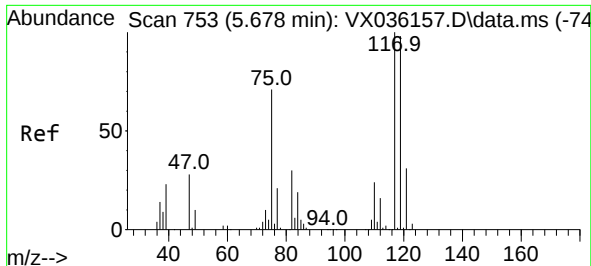
Tgt Ion: 75 Resp: 11300
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 20.308 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.001 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

Tgt Ion: 43 Resp: 51579
Ion Ratio Lower Upper
43 100
61 13.1 10.6 16.0
70 9.7 8.3 12.5

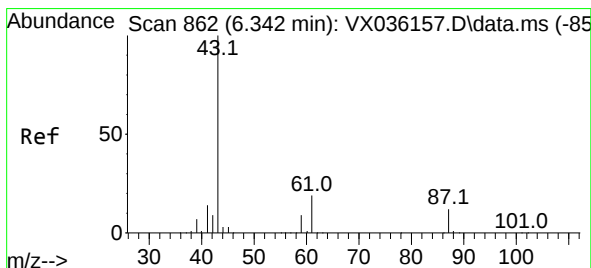
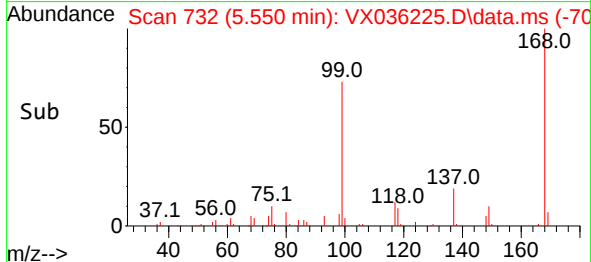
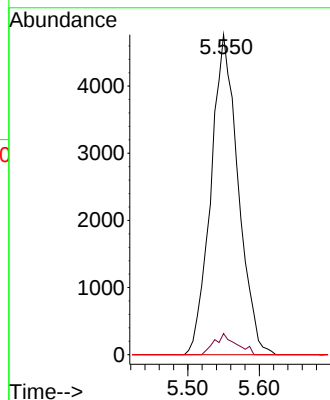
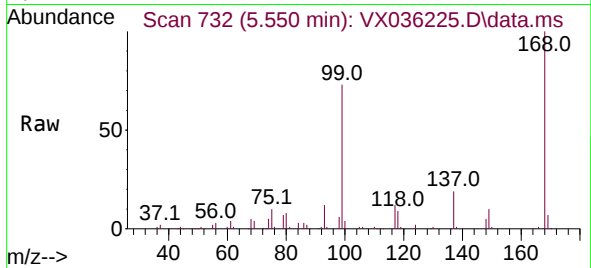




#38
Carbon Tetrachloride
Concen: 5.964 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

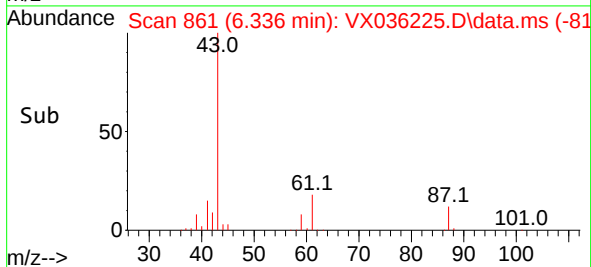
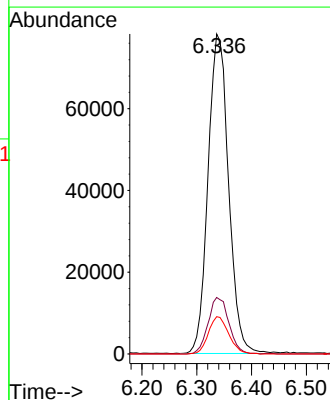
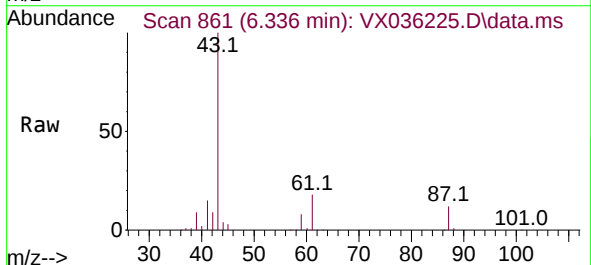
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#13

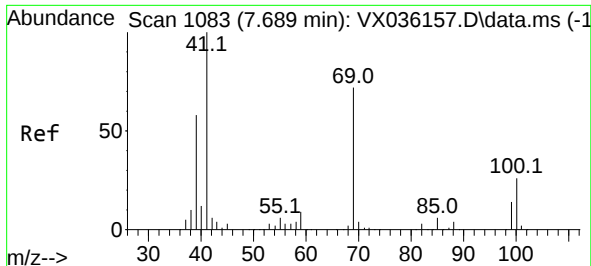
Tgt Ion:117 Resp: 12639
Ion Ratio Lower Upper
117 100
119 6.6 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 52.354 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

Tgt Ion: 43 Resp: 203497
Ion Ratio Lower Upper
43 100
61 17.9 15.2 22.8
87 11.5 9.8 14.6





#48

Methyl methacrylate

Concen: 91.364 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX036225.D

Acq: 19 Jun 2023 22:43

Instrument :

MSVOA_X

ClientSampleId :

PB153531ZHE#13

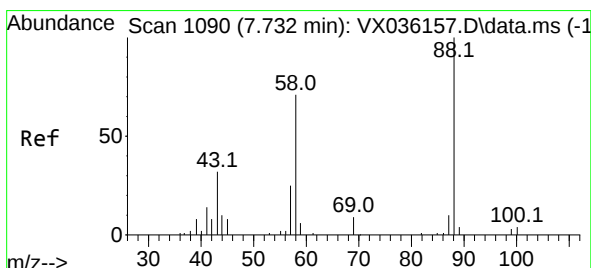
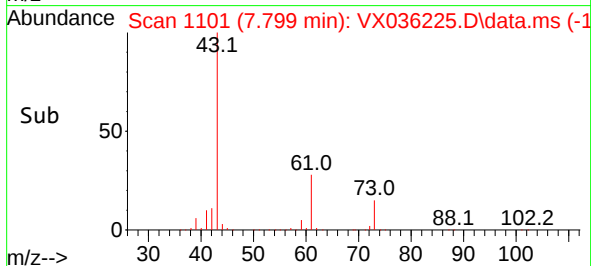
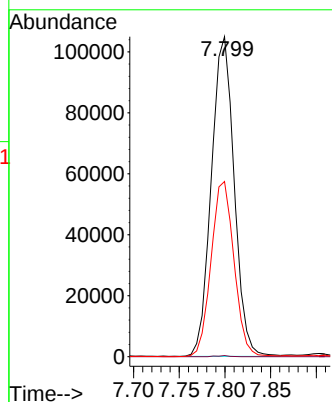
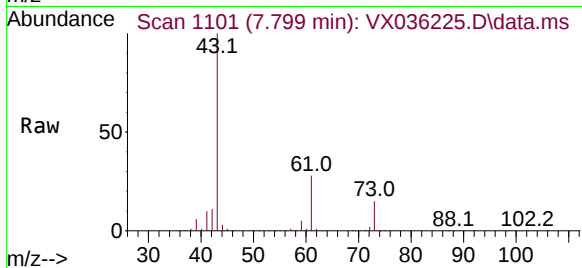
Tgt Ion: 41 Resp: 182199

Ion Ratio Lower Upper

41 100

69 0.2 59.2 88.8#

39 55.1 47.7 71.5



#49

1,4-Dioxane

Concen: 9.704 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.061 min

Lab File: VX036225.D

Acq: 19 Jun 2023 22:43

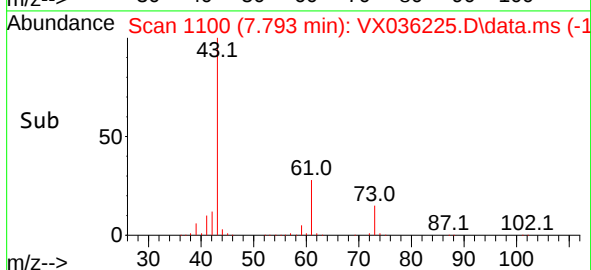
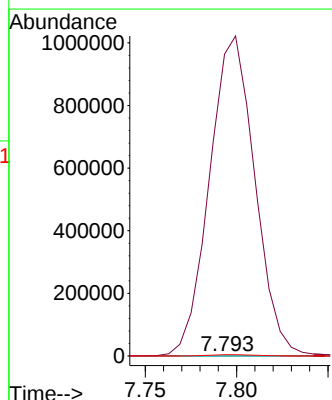
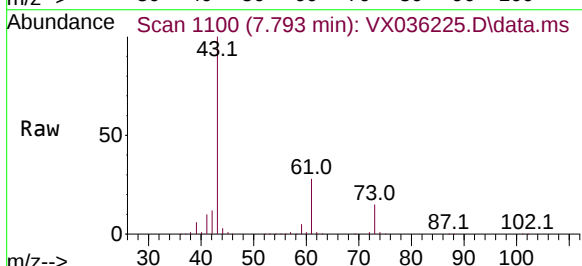
Tgt Ion: 88 Resp: 324

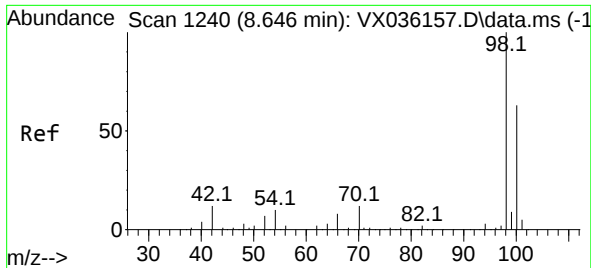
Ion Ratio Lower Upper

88 100

43 547682.1 0.0 0.0#

58 2323.8 60.1 90.1#

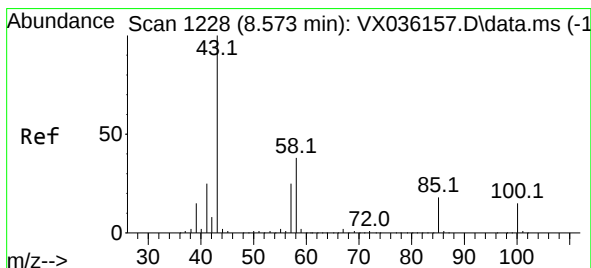
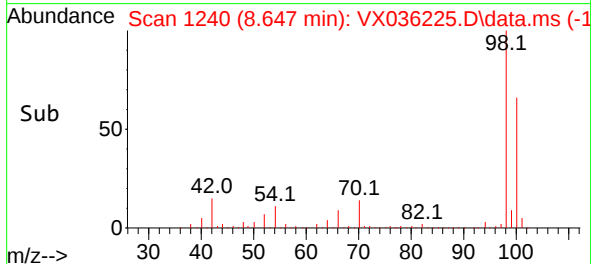
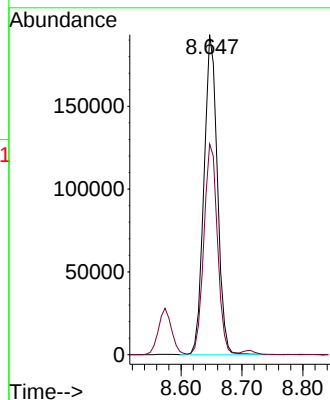
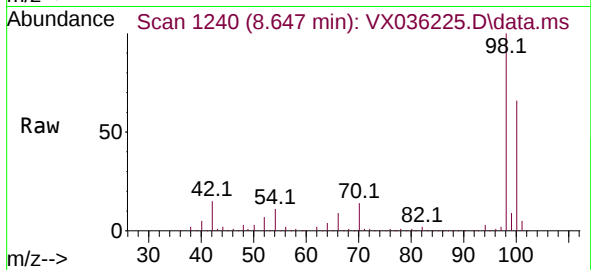




#50
Toluene-d8
Concen: 54.735 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

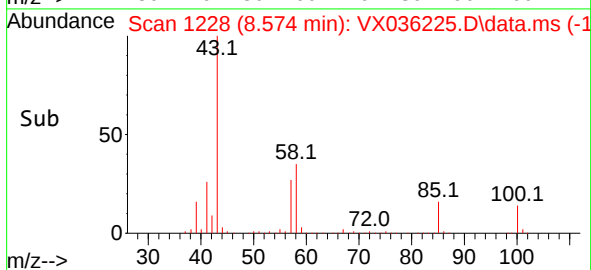
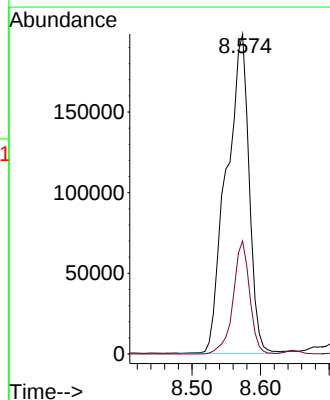
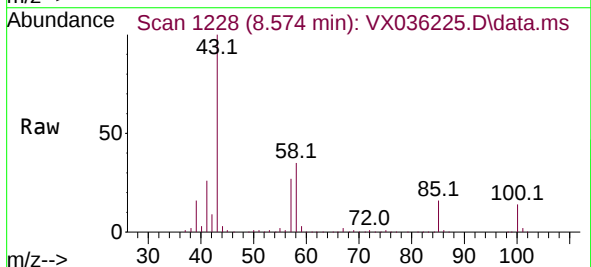
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#13

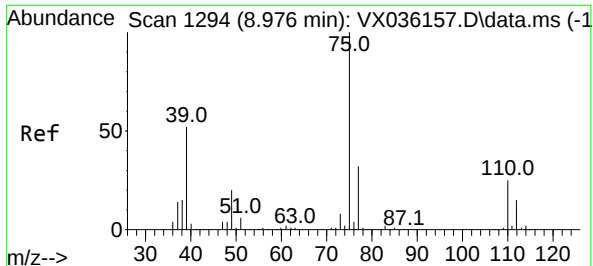
Tgt Ion: 98 Resp: 296299
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 184.711 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

Tgt Ion: 43 Resp: 453338
Ion Ratio Lower Upper
43 100
58 25.9 30.4 45.6#

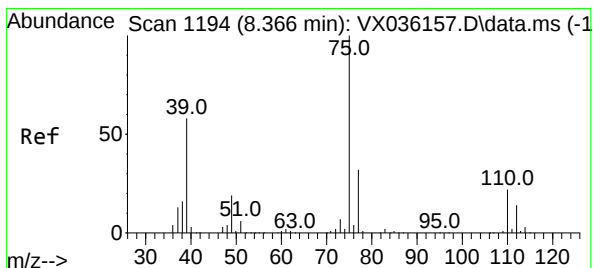
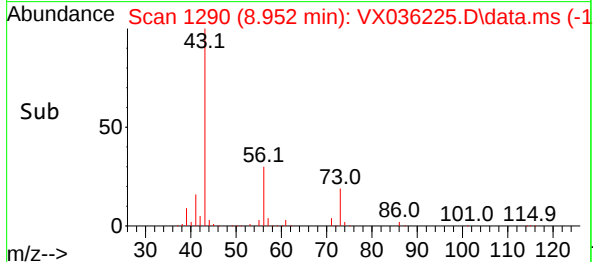
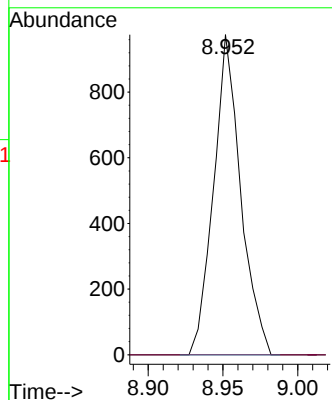
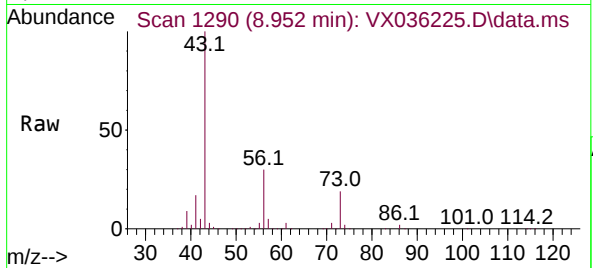




#53
 t-1,3-Dichloropropene
 Concen: 0.535 ug/l
 RT: 8.952 min Scan# 11228
 Delta R.T. -0.024 min
 Lab File: VX036225.D
 Acq: 19 Jun 2023 22:43

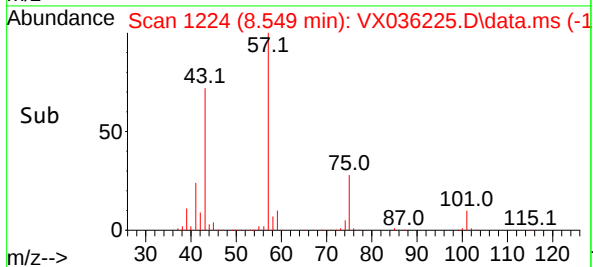
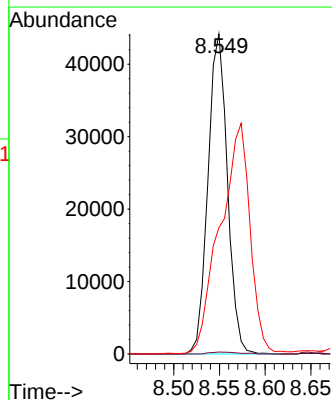
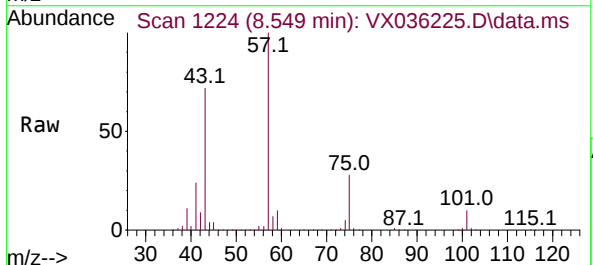
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153531ZHE#13

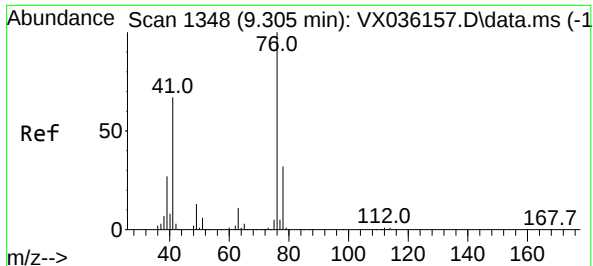
Tgt Ion: 75 Resp: 1228
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 26.460 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036225.D
 Acq: 19 Jun 2023 22:43

Tgt Ion: 75 Resp: 65146
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 39.3 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.920 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036225.D

Acq: 19 Jun 2023 22:43

Instrument :

MSVOA_X

ClientSampleId :

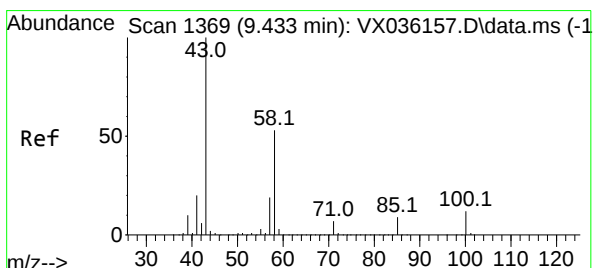
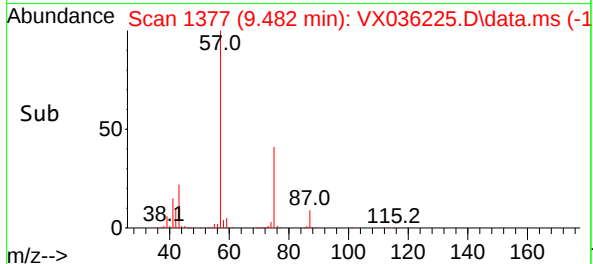
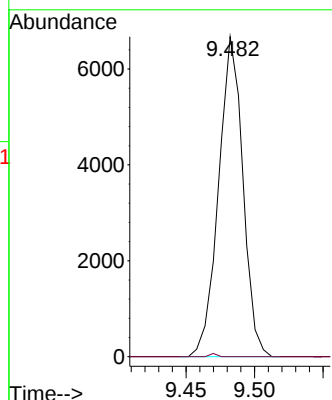
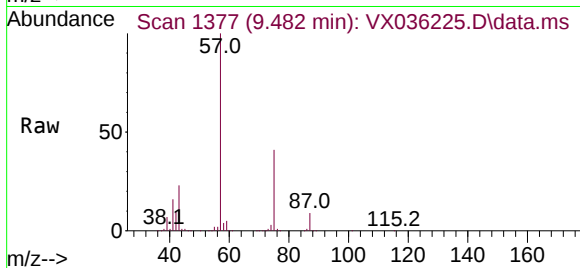
PB153531ZHE#13

Tgt Ion: 76 Resp: 8230

Ion Ratio Lower Upper

76 100

78 0.3 26.1 39.1#



#59

2-Hexanone

Concen: 69.788 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036225.D

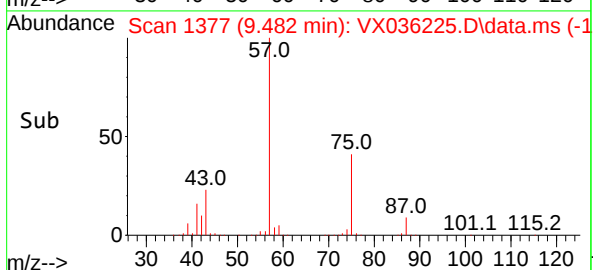
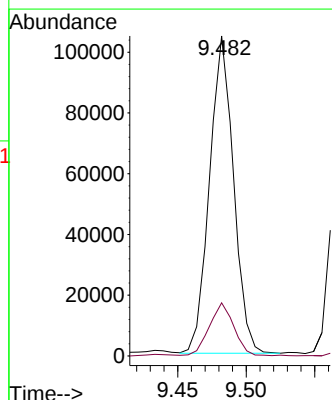
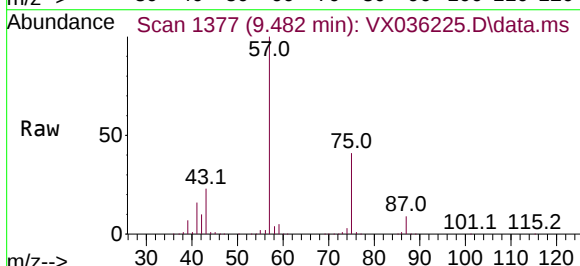
Acq: 19 Jun 2023 22:43

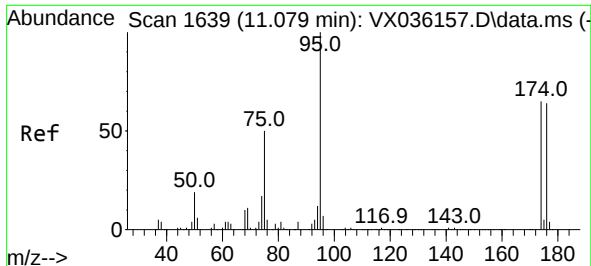
Tgt Ion: 43 Resp: 127338

Ion Ratio Lower Upper

43 100

58 17.3 26.2 78.5#

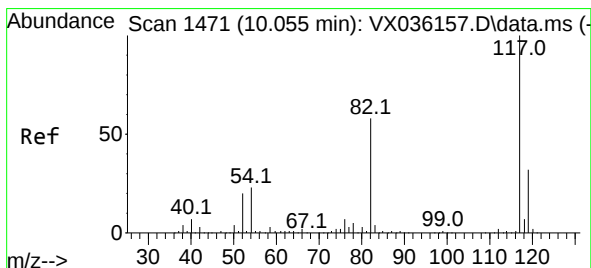
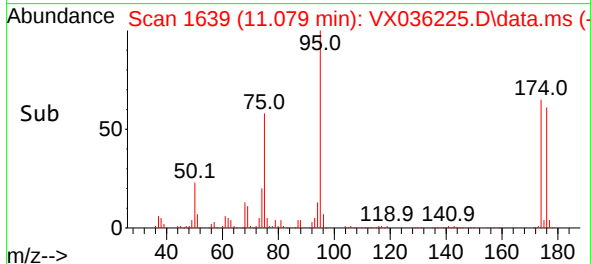
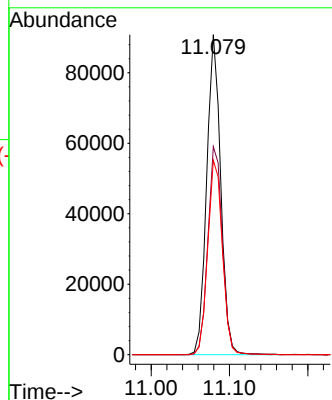
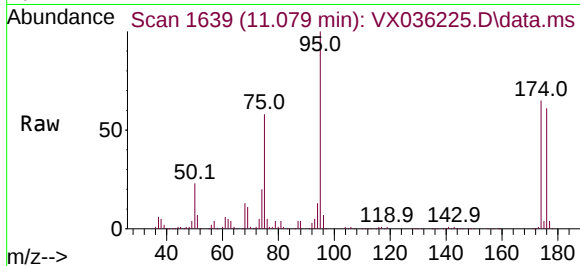




#62
4-Bromofluorobenzene
Concen: 51.426 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

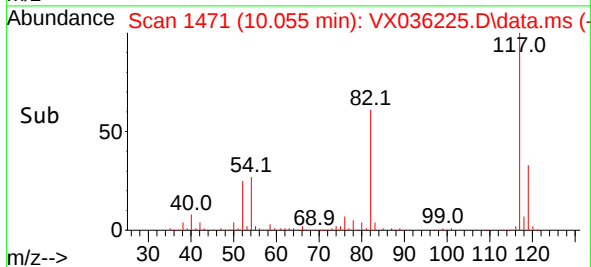
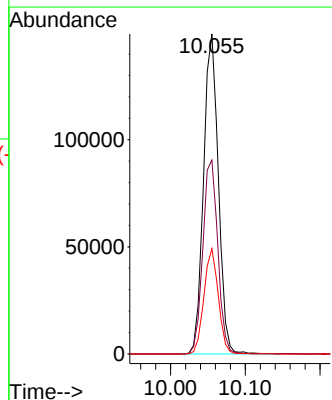
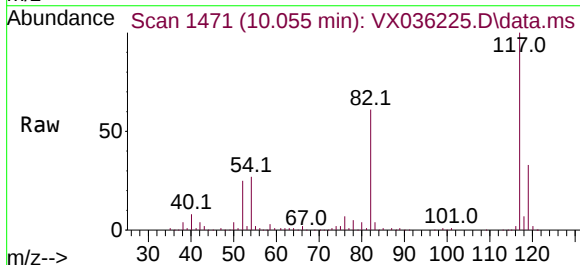
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#13

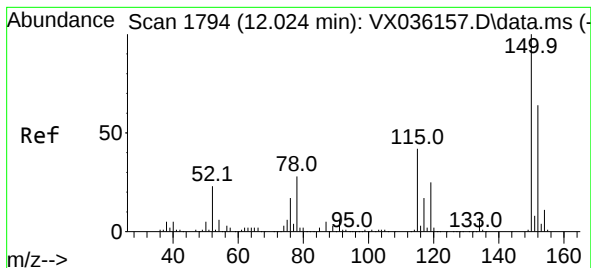
Tgt Ion: 95 Resp: 112374
Ion Ratio Lower Upper
95 100
174 67.4 0.0 135.6
176 63.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

Tgt Ion: 117 Resp: 205377
Ion Ratio Lower Upper
117 100
82 60.6 46.2 69.4
119 32.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX036225.D

Acq: 19 Jun 2023 22:43

Instrument :

MSVOA_X

ClientSampleId :

PB153531ZHE#13

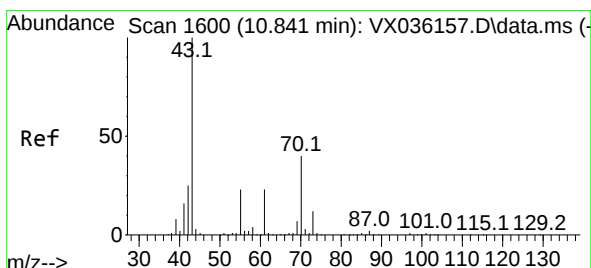
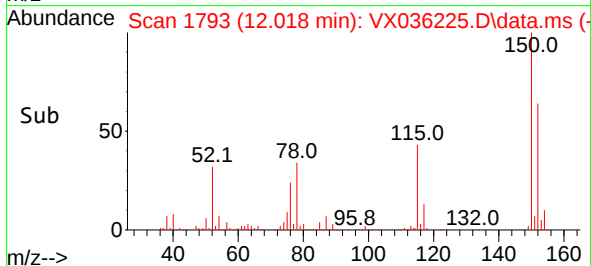
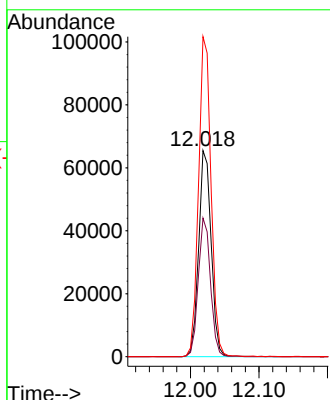
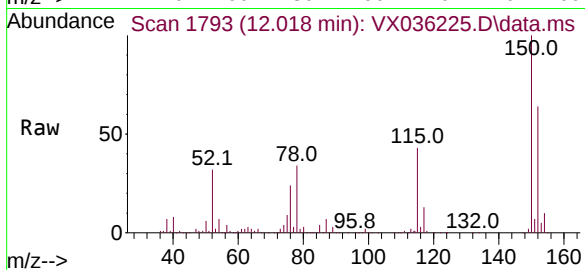
Tgt Ion:152 Resp: 83055

Ion Ratio Lower Upper

152 100

115 65.9 43.3 129.9

150 155.2 0.0 345.0



#74

N-ethyl acetate

Concen: 18.218 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX036225.D

Acq: 19 Jun 2023 22:43

Tgt Ion: 43 Resp: 50737

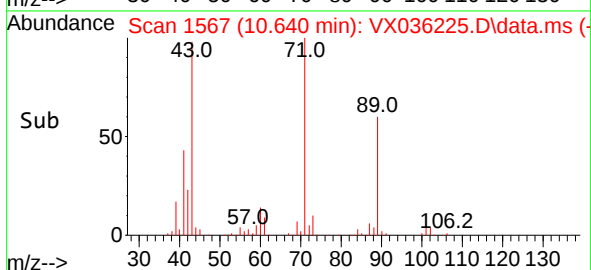
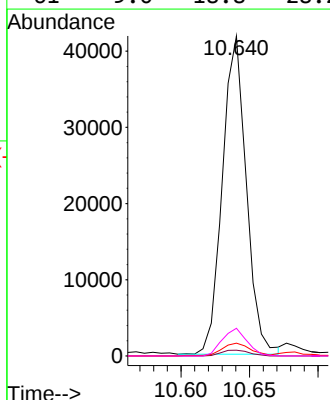
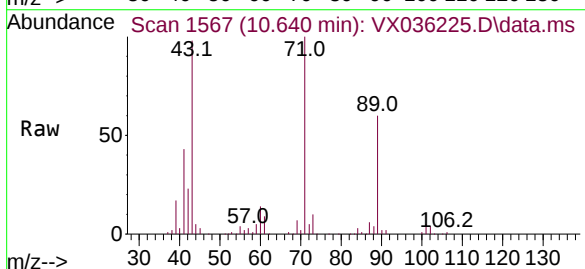
Ion Ratio Lower Upper

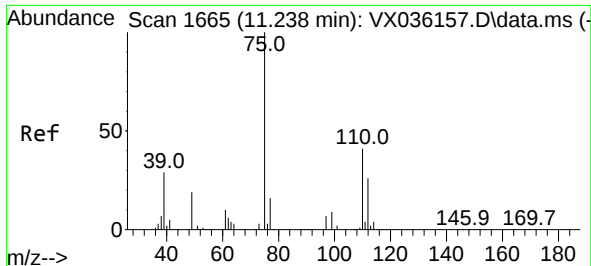
43 100

70 2.1 32.9 49.3#

55 4.9 19.3 28.9#

61 9.0 18.8 28.2#

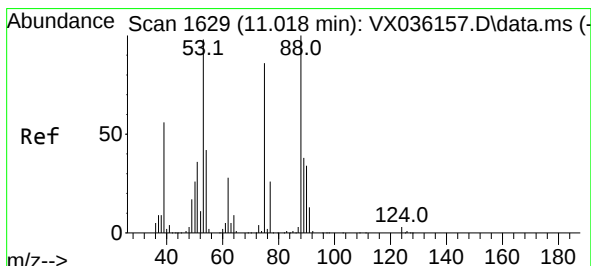
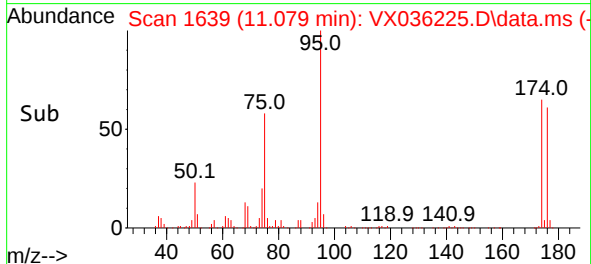
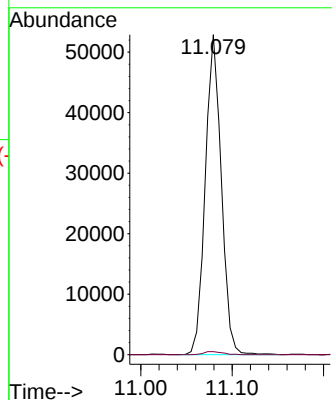
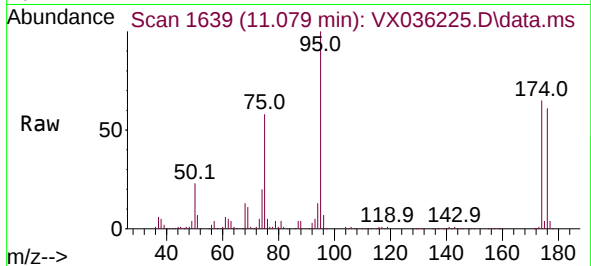




#76
1,2,3-Trichloropropane
Concen: 32.523 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#13

Tgt Ion: 75 Resp: 64107
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.838 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036225.D
Acq: 19 Jun 2023 22:43

Tgt Ion: 75 Resp: 64107
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

