

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061223\
 Data File : VX036121.D
 Acq On : 12 Jun 2023 14:28
 Operator : JC/MD
 Sample : PB153331ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153331ZHE#01

Quant Time: Jun 13 04:48:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 12:50:30 2023
 Response via : Initial Calibration

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

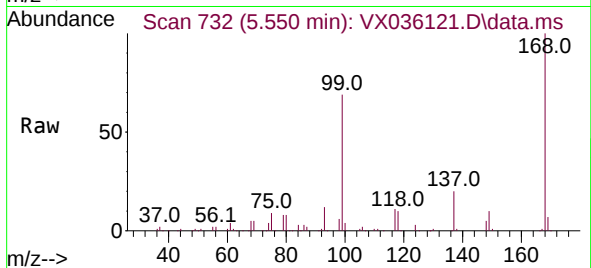
Internal Standards						
1) Pentafluorobenzene	5.550	168	220745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	361737	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	328187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	146356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165906	46.283	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.560%
35) Dibromofluoromethane	5.379	113	111580	45.861	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.720%
50) Toluene-d8	8.647	98	435927	49.923	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.840%
62) 4-Bromofluorobenzene	11.079	95	168980	49.022	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.040%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.008	59	177	0.278	ug/l #	78
13) Acrolein	2.252	56	357	0.582	ug/l #	71
16) Acetone	2.398	43	29799	20.150	ug/l	100
17) Carbon Disulfide	2.514	76	1286	0.232	ug/l	100
18) Methyl Acetate	2.715	43	2616	0.455	ug/l #	89
20) Methylene Chloride	2.788	84	6777	2.379	ug/l	90
25) 2-Butanone	4.587	43	2623	1.239	ug/l #	81
29) Tetrahydrofuran	5.044	42	513	0.376	ug/l #	48
31) Cyclohexane	5.544	56	5879	1.566	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	21295	6.564	ug/l #	51
37) Ethyl Acetate	4.721	43	53701	14.864	ug/l	98
38) Carbon Tetrachloride	5.544	117	25418	8.040	ug/l #	18
43) Isopropyl Acetate	6.342	43	215089	36.207	ug/l	99
48) Methyl methacrylate	7.799	41	189740	65.130	ug/l #	48
49) 1,4-Dioxane	7.799	88	318	4.766	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	167985	46.326	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	1439	0.407	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	69857	17.872	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	9056	2.063	ug/l #	43
59) 2-Hexanone	9.482	43	136174	50.795	ug/l #	50
74) N-amyl acetate	10.817	43	1669	0.360	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	91137	27.609	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	91137	92.996	ug/l #	3
93) 1,2,4-Trichlorobenzene	13.585	180	613	0.220	ug/l	85
94) Hexachlorobutadiene	13.725	225	490	0.462	ug/l	93
95) Naphthalene	13.780	128	1949	0.201	ug/l #	91
96) 1,2,3-Trichlorobenzene	13.957	180	561	0.204	ug/l	96

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

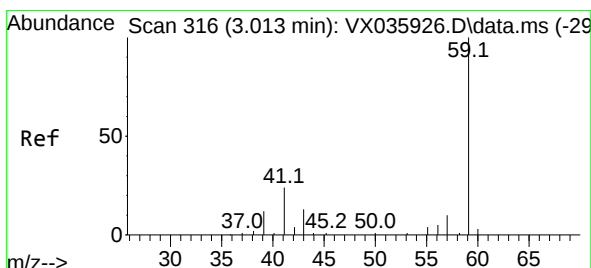
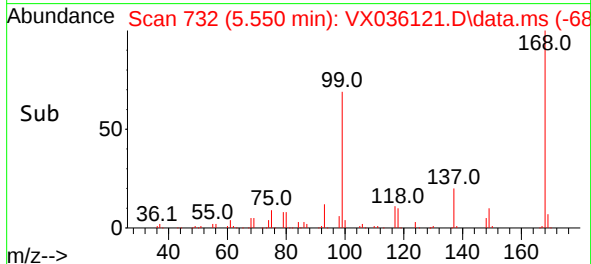
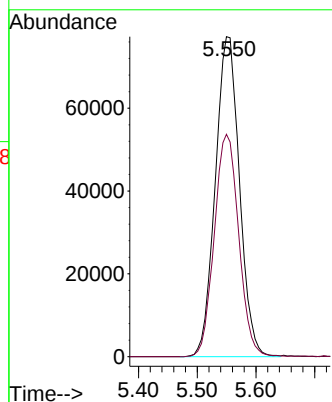


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#01

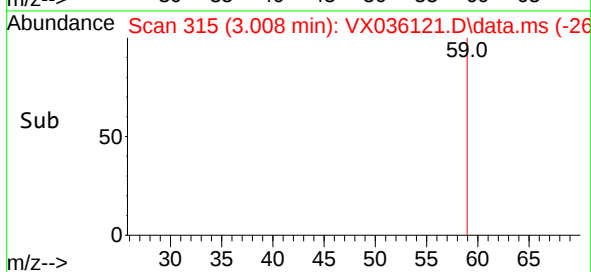
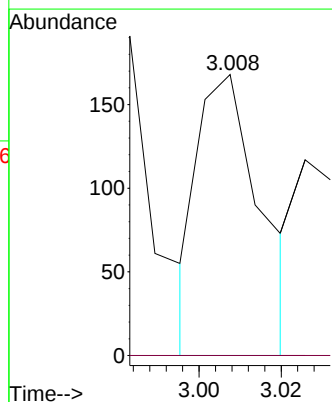
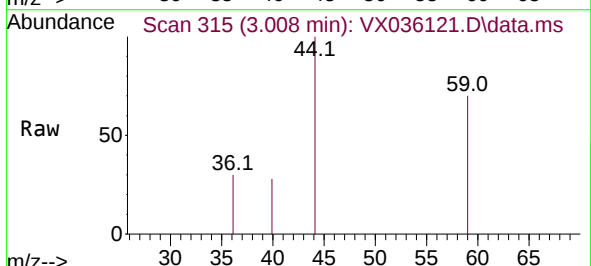


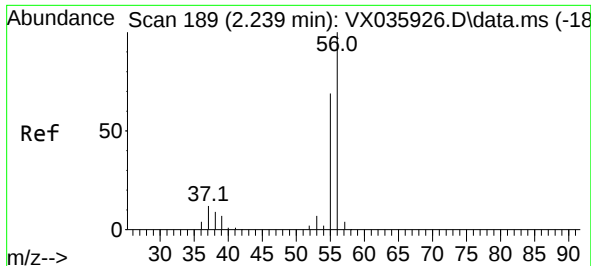
Tgt Ion:168 Resp: 220745
Ion Ratio Lower Upper
168 100
99 69.5 57.0 85.6



#11
Tert butyl alcohol
Concen: 0.278 ug/l
RT: 3.008 min Scan# 315
Delta R.T. 0.001 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

Tgt Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.582 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.013 min

Lab File: VX036121.D

Acq: 12 Jun 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

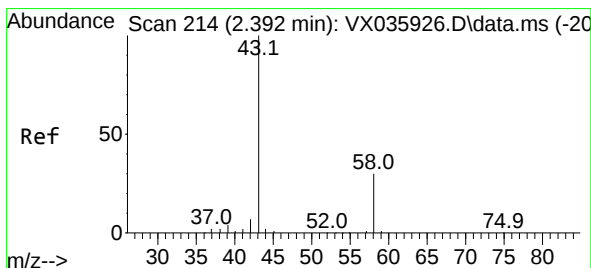
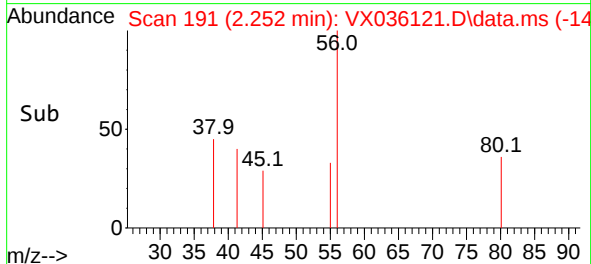
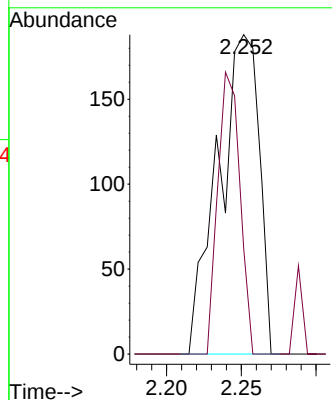
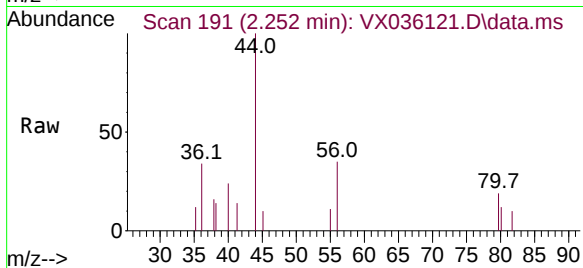
PB153331ZHE#01

Tgt Ion: 56 Resp: 357

Ion Ratio Lower Upper

56 100

55 47.9 57.3 85.9#



#16

Acetone

Concen: 20.150 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.007 min

Lab File: VX036121.D

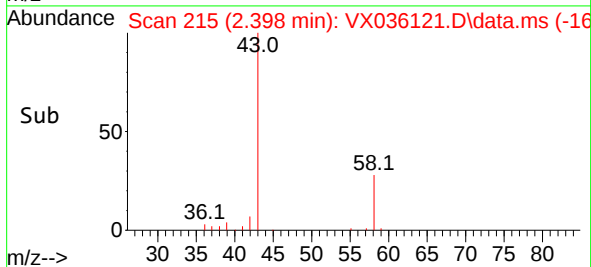
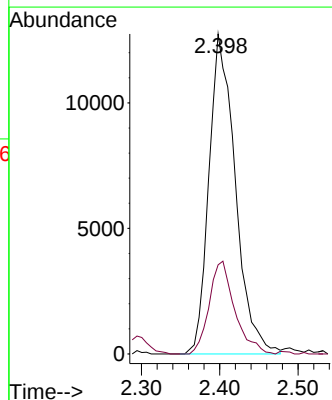
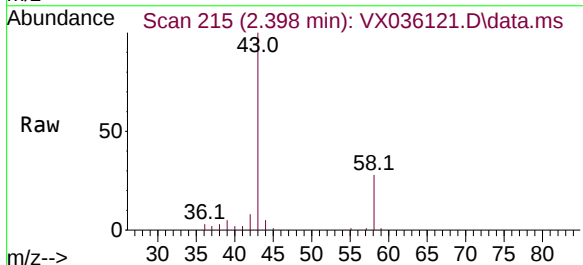
Acq: 12 Jun 2023 14:28

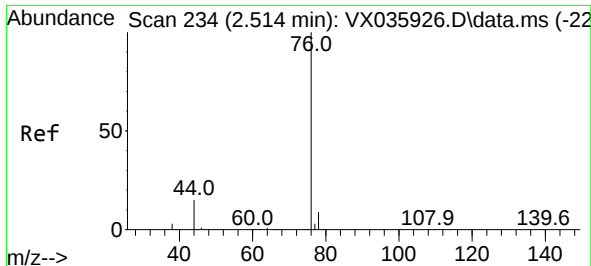
Tgt Ion: 43 Resp: 29799

Ion Ratio Lower Upper

43 100

58 27.8 22.2 33.2

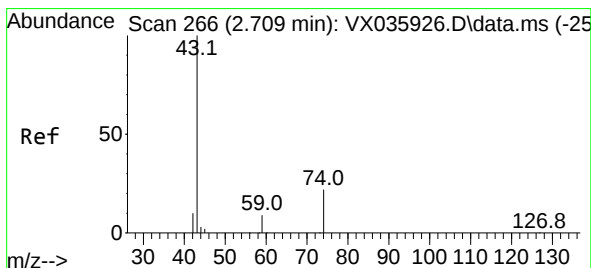
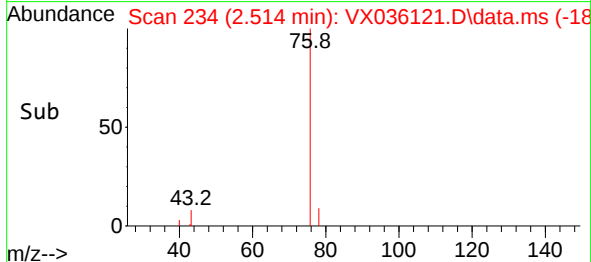
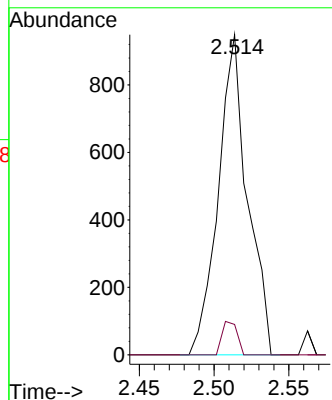
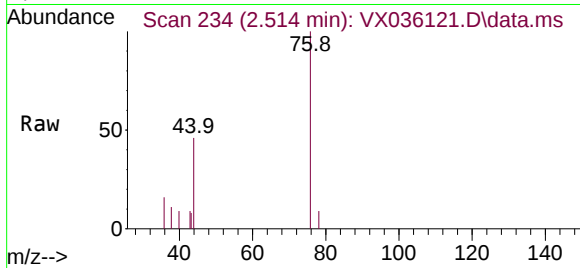




#17
Carbon Disulfide
Concen: 0.232 ug/l
RT: 2.514 min Scan# 211
Delta R.T. 0.001 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

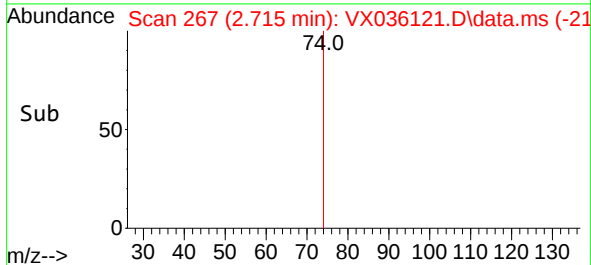
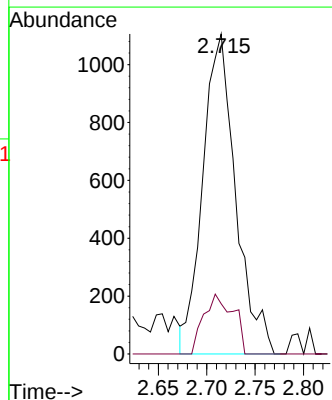
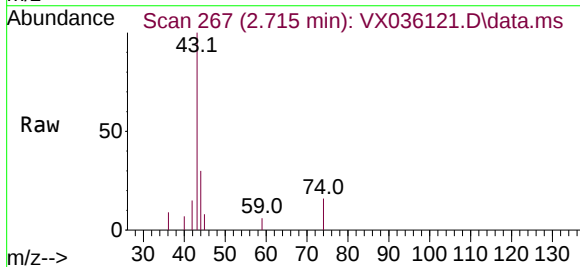
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#01

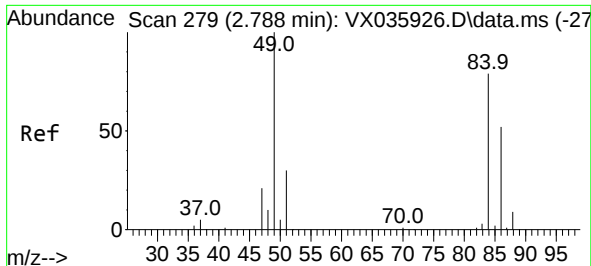
Tgt Ion: 76 Resp: 1286
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4



#18
Methyl Acetate
Concen: 0.455 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.013 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

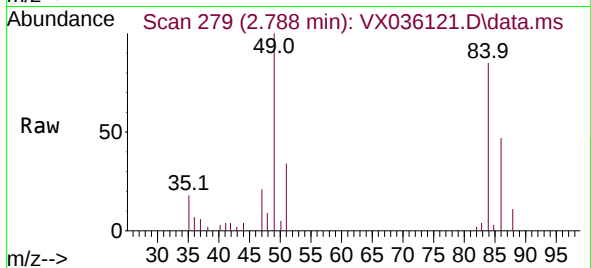
Tgt Ion: 43 Resp: 2616
Ion Ratio Lower Upper
43 100
74 16.8 17.7 26.5#



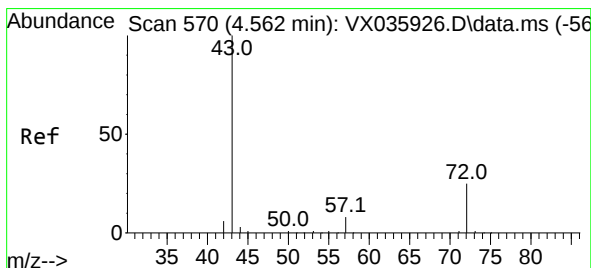
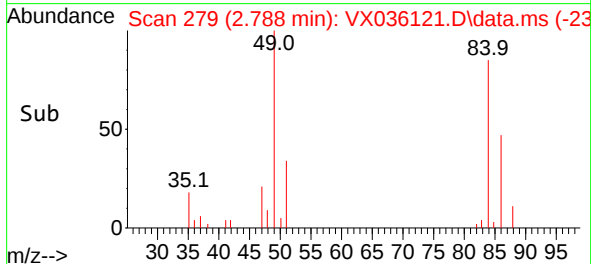
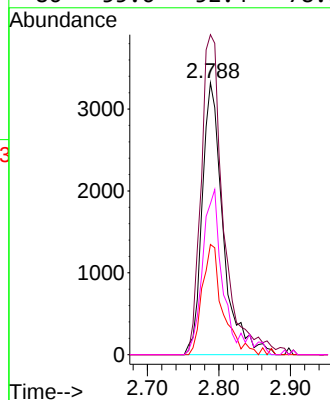


#20
Methylene Chloride
Concen: 2.379 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#01

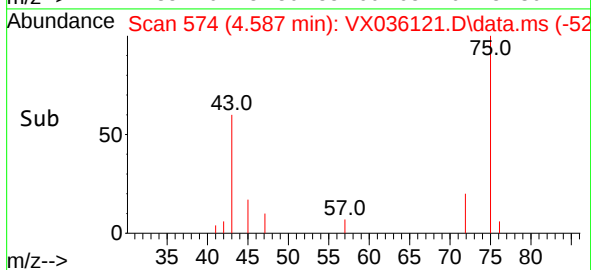
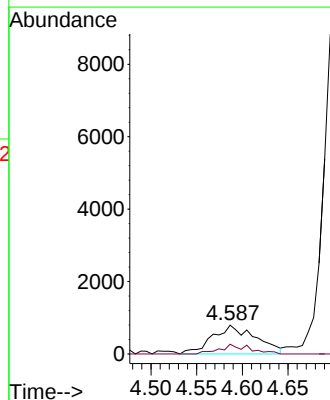
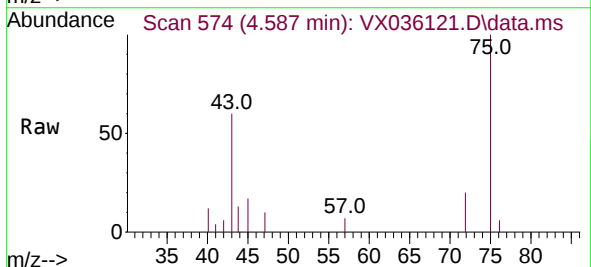


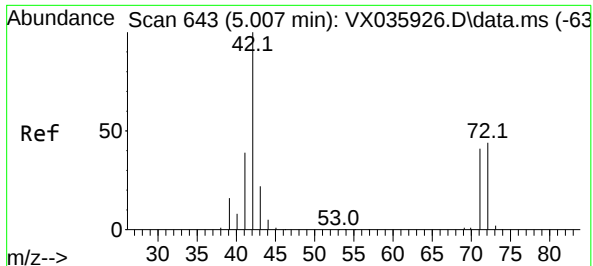
Tgt Ion: 84	Resp: 6777
Ion Ratio	Lower Upper
84 100	
49 117.7	104.6 156.8
51 40.6	32.2 48.4
86 55.6	52.4 78.6



#25
2-Butanone
Concen: 1.239 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.025 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

Tgt Ion: 43	Resp: 2623		
Ion Ratio	Lower	Upper	
43 100			
72 33.8	19.4	29.2#	





#29

Tetrahydrofuran

Concen: 0.376 ug/l

RT: 5.044 min Scan# 643

Delta R.T. 0.031 min

Lab File: VX036121.D

Acq: 12 Jun 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

PB153331ZHE#01

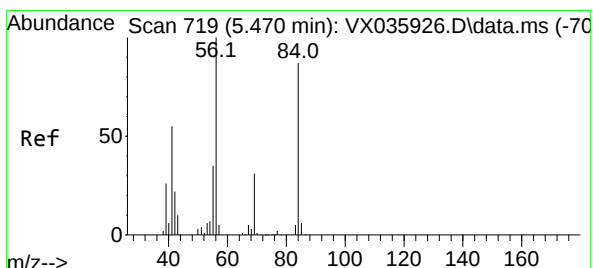
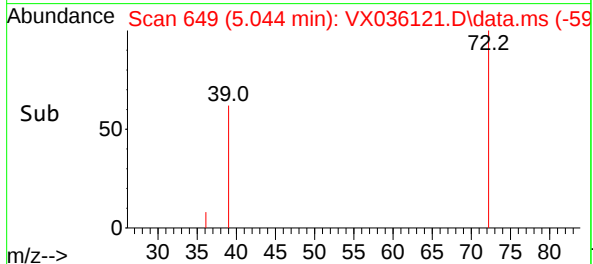
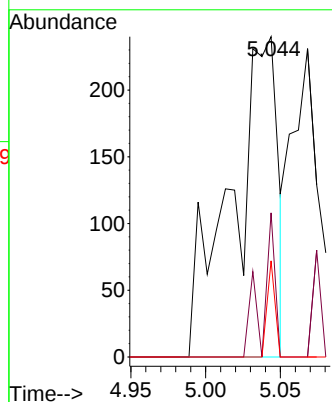
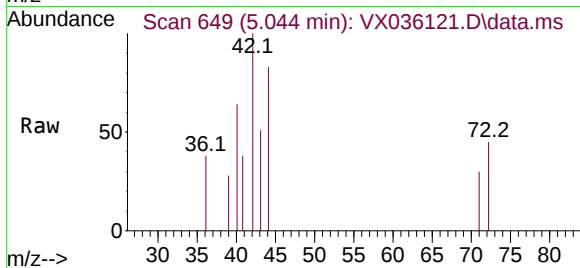
Tgt Ion: 42 Resp: 513

Ion Ratio Lower Upper

42 100

72 12.3 34.2 51.2#

71 5.1 31.8 47.8#



#31

Cyclohexane

Concen: 1.566 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.074 min

Lab File: VX036121.D

Acq: 12 Jun 2023 14:28

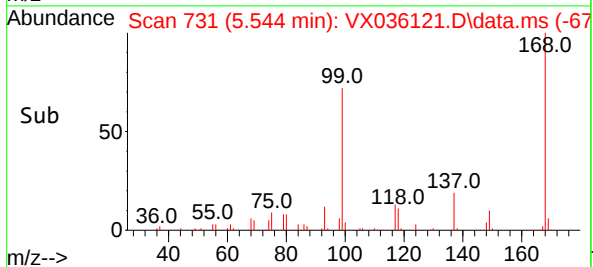
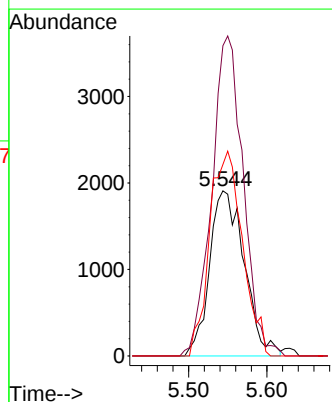
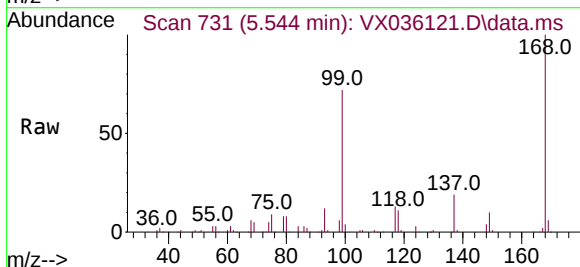
Tgt Ion: 56 Resp: 5879

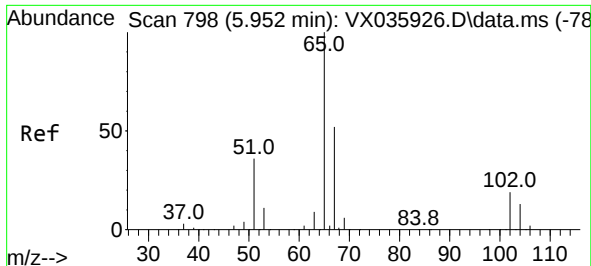
Ion Ratio Lower Upper

56 100

69 187.8 25.9 38.9#

84 116.0 67.6 101.4#

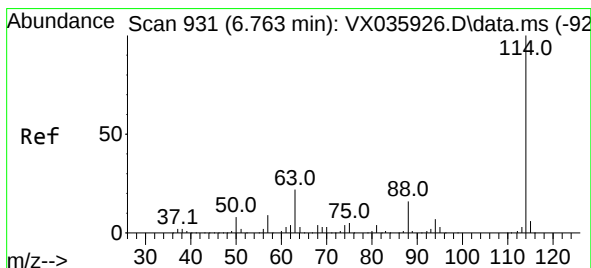
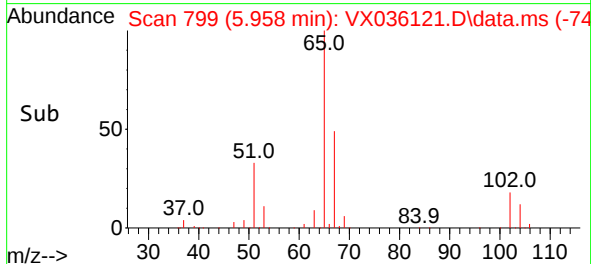
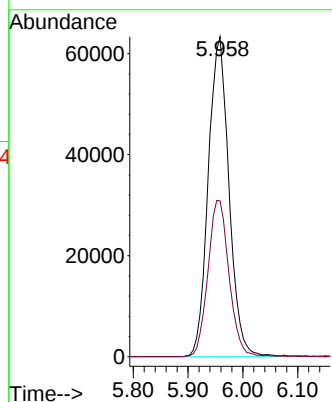
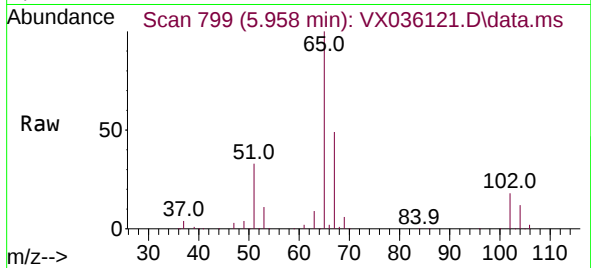




#33
 1,2-Dichloroethane-d4
 Concen: 46.283 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.006 min
 Lab File: VX036121.D
 Acq: 12 Jun 2023 14:28

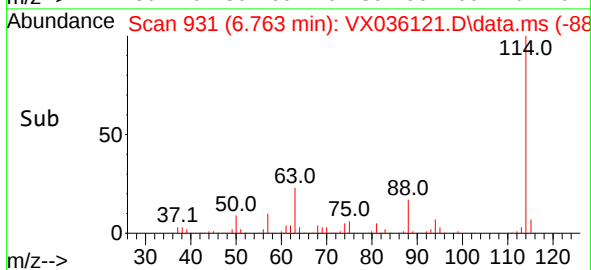
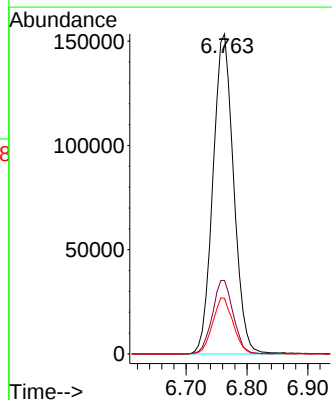
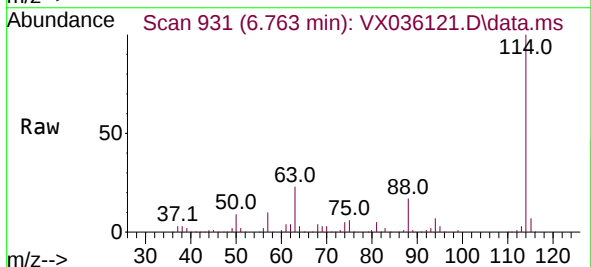
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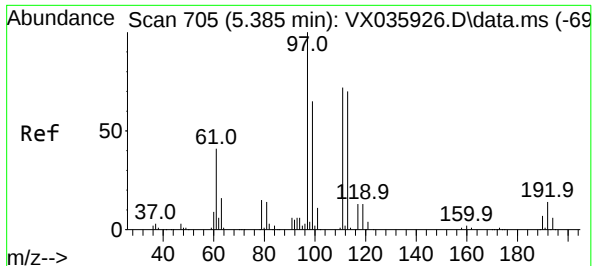
Tgt Ion: 65 Resp: 165906
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX036121.D
 Acq: 12 Jun 2023 14:28

Tgt Ion: 114 Resp: 361737
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.0
 88 17.4 0.0 35.2

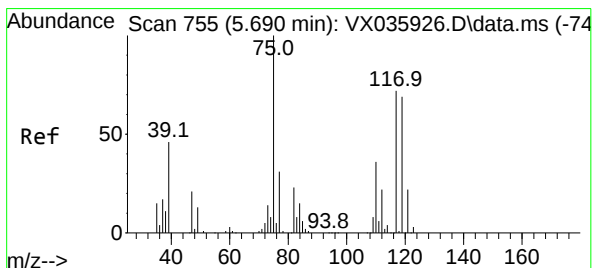
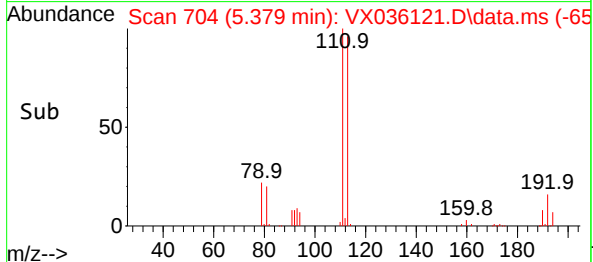
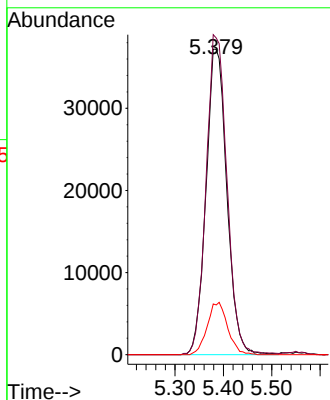
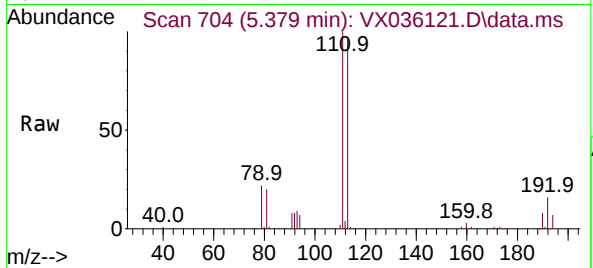




#35
Dibromofluoromethane
Concen: 45.861 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

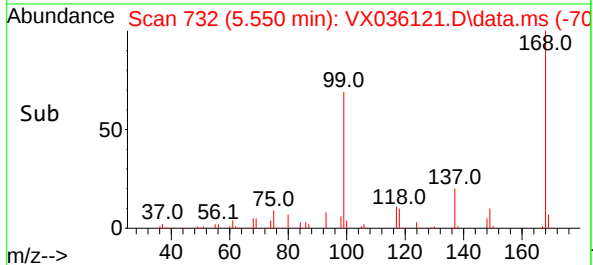
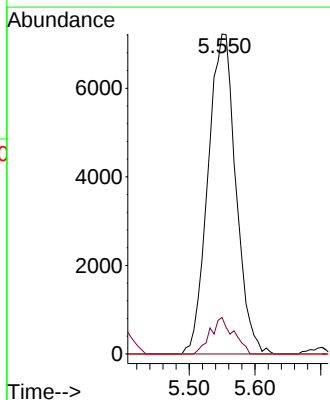
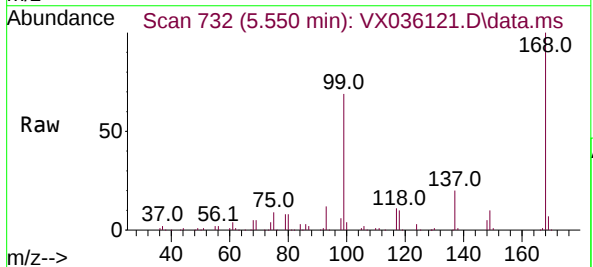
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#01

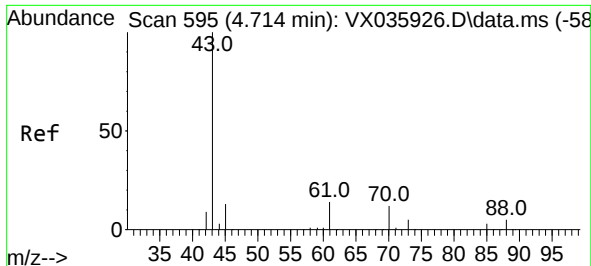
Tgt Ion:113 Resp: 111580
Ion Ratio Lower Upper
113 100
111 104.3 81.7 122.5
192 16.8 13.5 20.3



#36
1,1-Dichloropropene
Concen: 6.564 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

Tgt Ion: 75 Resp: 21295
Ion Ratio Lower Upper
75 100
110 9.4 16.6 49.7#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 14.864 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.013 min

Lab File: VX036121.D

Acq: 12 Jun 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

PB153331ZHE#01

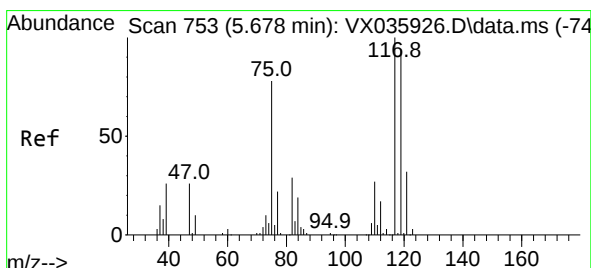
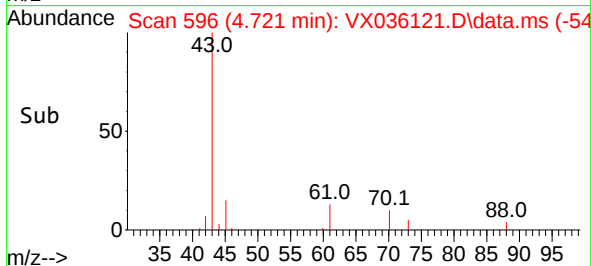
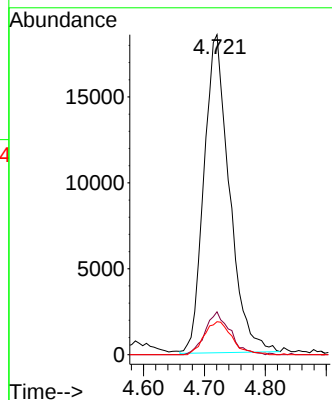
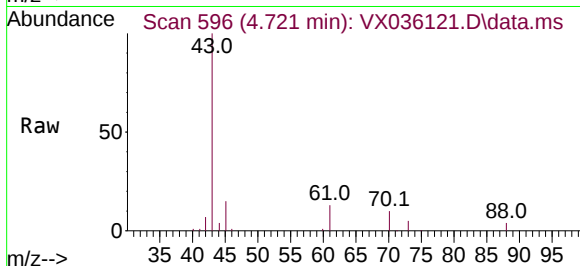
Tgt Ion: 43 Resp: 53701

Ion Ratio Lower Upper

43 100

61 13.2 10.3 15.5

70 11.4 8.3 12.5



#38

Carbon Tetrachloride

Concen: 8.040 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.133 min

Lab File: VX036121.D

Acq: 12 Jun 2023 14:28

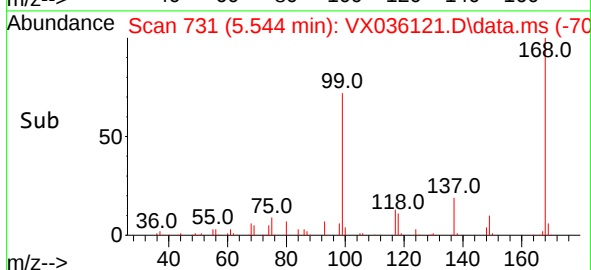
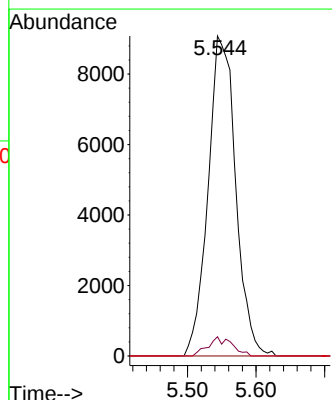
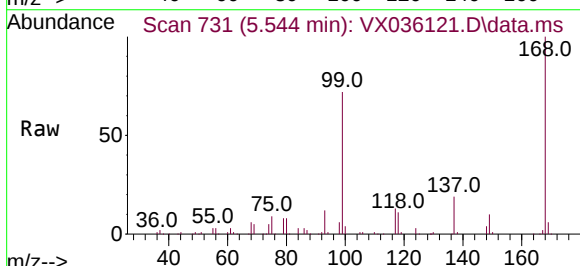
Tgt Ion: 117 Resp: 25418

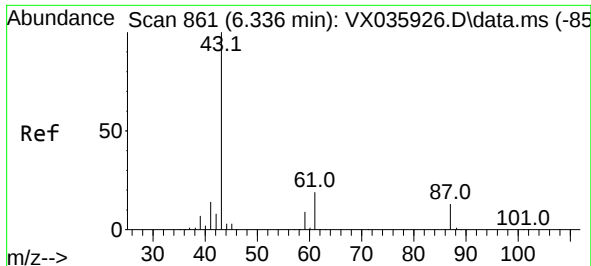
Ion Ratio Lower Upper

117 100

119 6.0 74.1 111.1#

121 0.0 25.0 37.4#

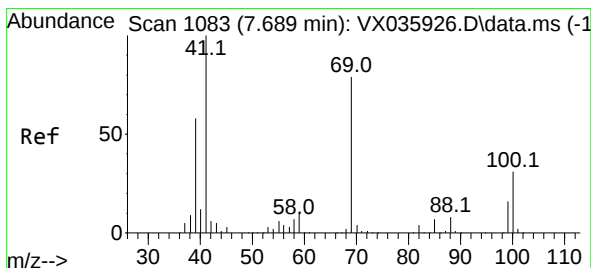
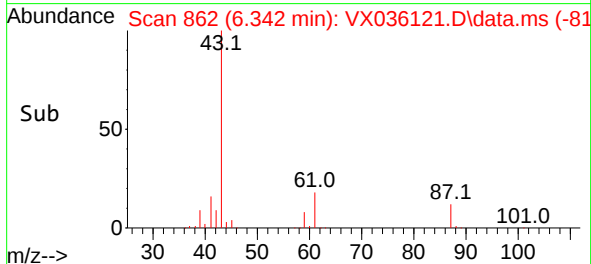
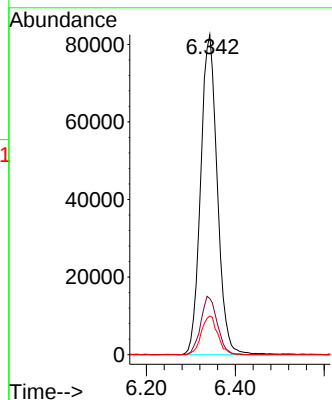
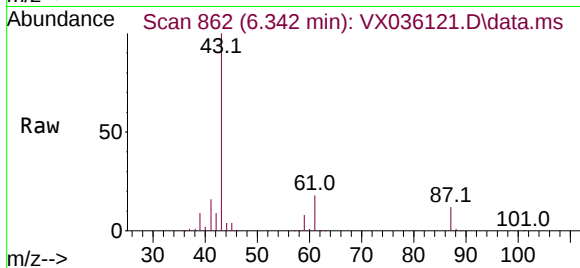




#43
Isopropyl Acetate
Concen: 36.207 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

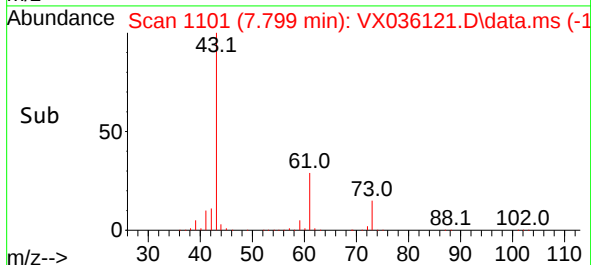
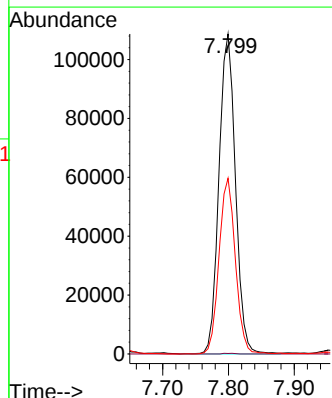
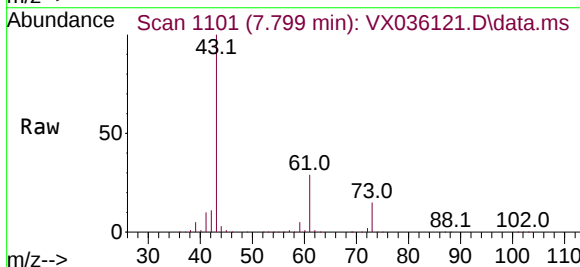
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#01

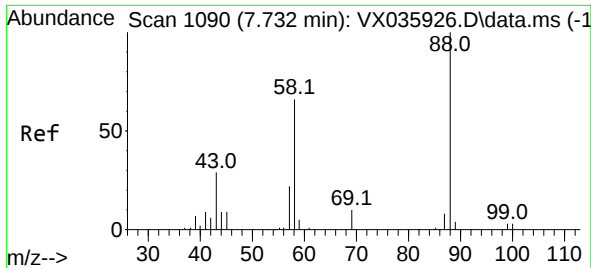
Tgt Ion: 43 Resp: 215089
Ion Ratio Lower Upper
43 100
61 18.1 15.0 22.4
87 11.9 9.9 14.9



#48
Methyl methacrylate
Concen: 65.130 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

Tgt Ion: 41 Resp: 189740
Ion Ratio Lower Upper
41 100
69 0.1 59.0 88.6#
39 54.4 48.4 72.6

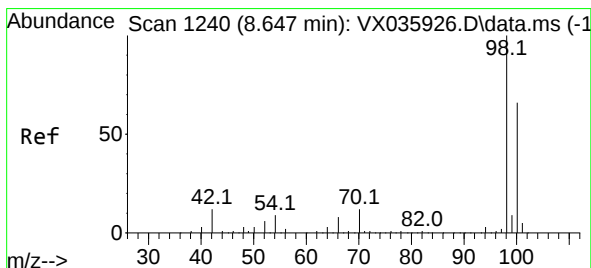
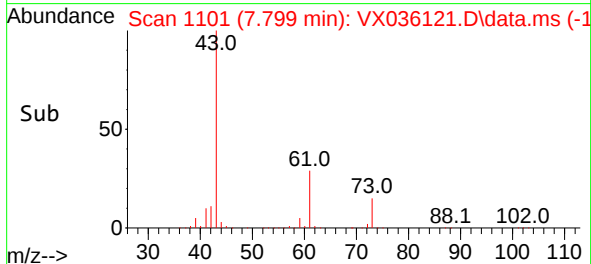
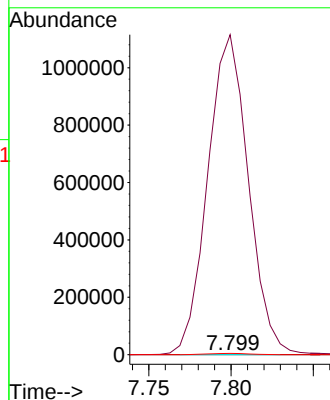
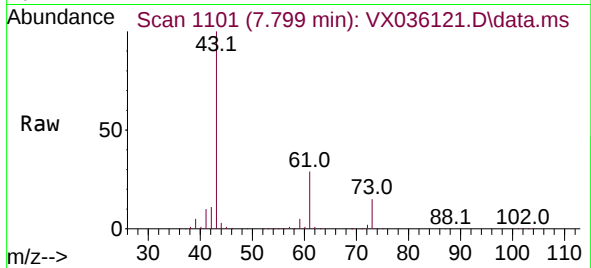




#49
1,4-Dioxane
Concen: 4.766 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.085 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

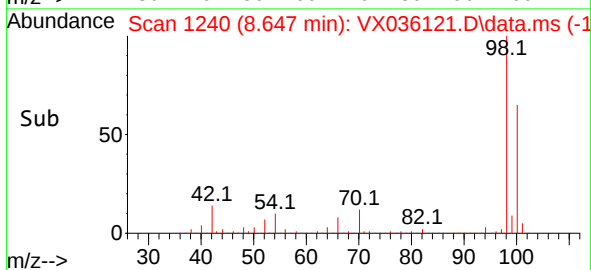
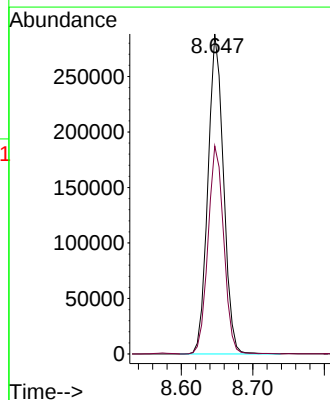
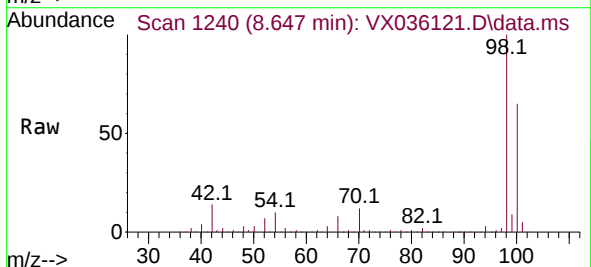
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#01

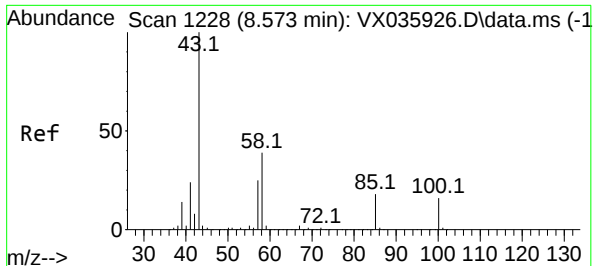
Tgt Ion: 88 Resp: 318
Ion Ratio Lower Upper
88 100
43 605938.1 27.4 41.0#
58 2478.3 58.9 88.3#



#50
Toluene-d8
Concen: 49.923 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

Tgt Ion: 98 Resp: 435927
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 46.326 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX036121.D

Acq: 12 Jun 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

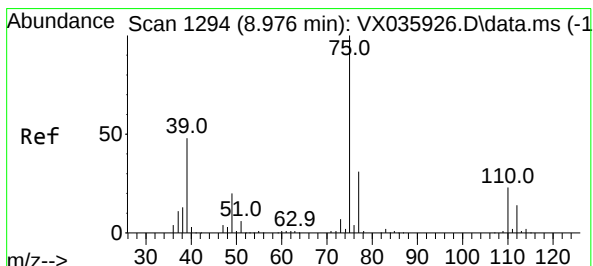
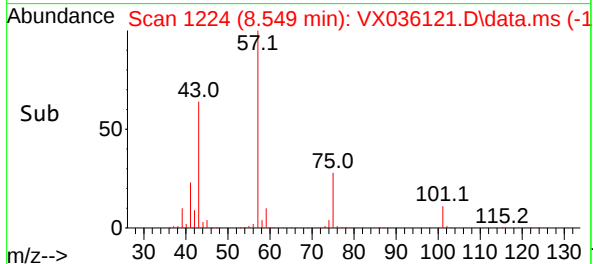
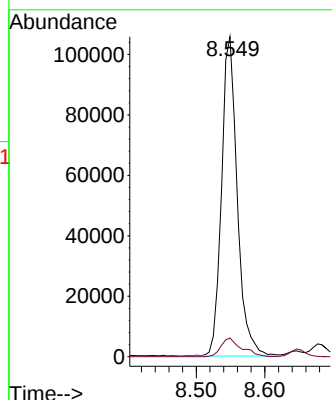
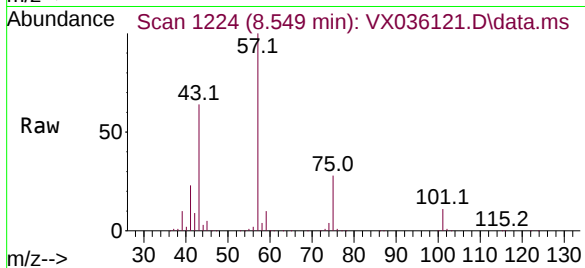
PB153331ZHE#01

Tgt Ion: 43 Resp: 167985

Ion Ratio Lower Upper

43 100

58 7.6 30.1 45.1#



#53

t-1,3-Dichloropropene

Concen: 0.407 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VX036121.D

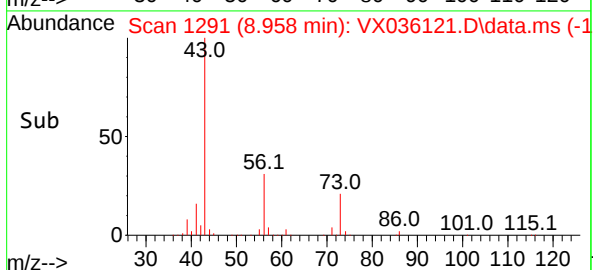
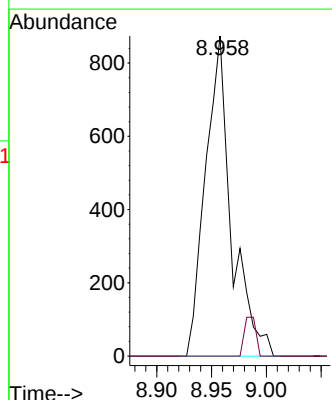
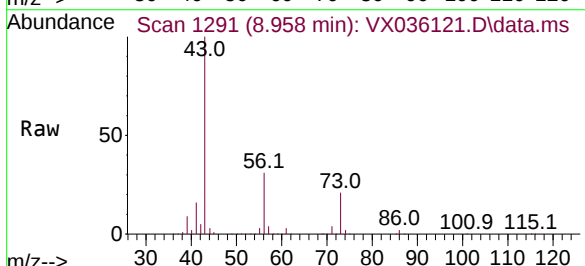
Acq: 12 Jun 2023 14:28

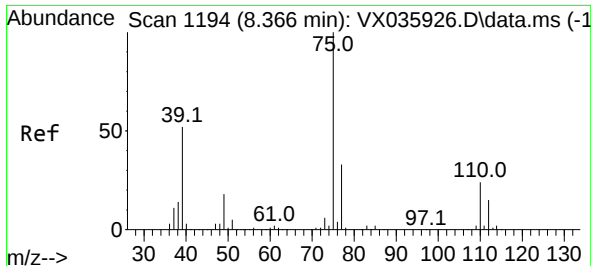
Tgt Ion: 75 Resp: 1439

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

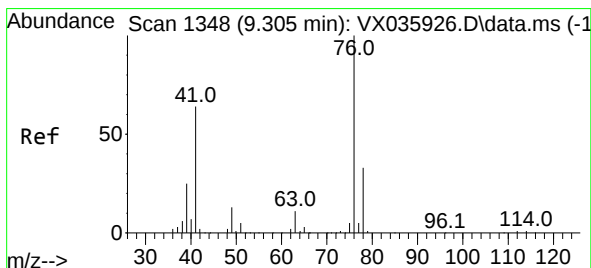
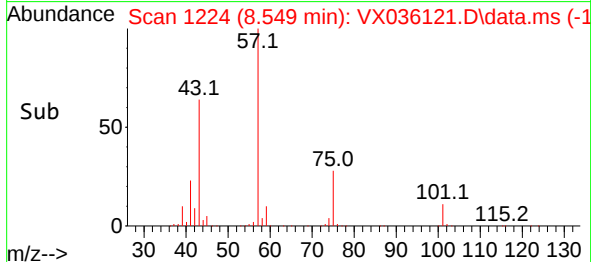
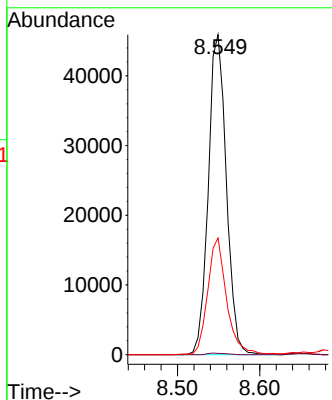
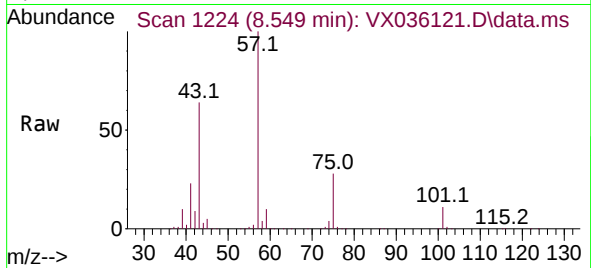




#54
cis-1,3-Dichloropropene
Concen: 17.872 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

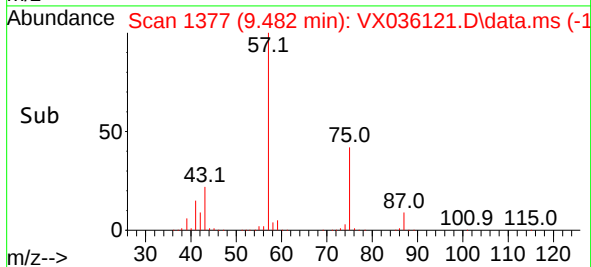
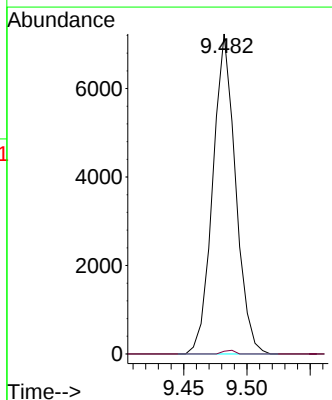
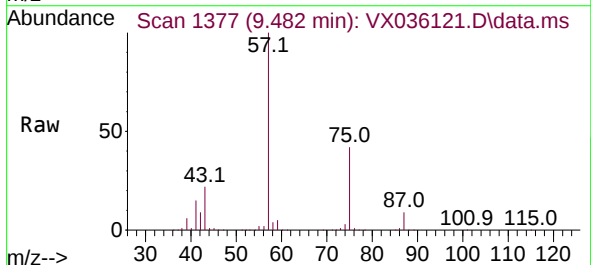
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#01

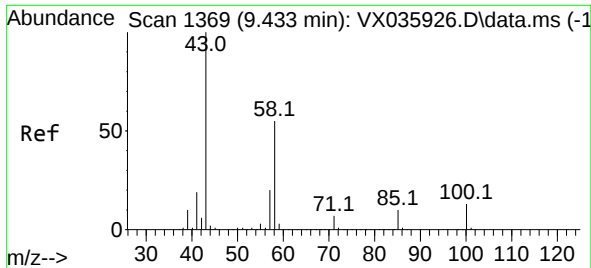
Tgt Ion: 75 Resp: 69857
Ion Ratio Lower Upper
75 100
77 0.4 24.7 37.1#
39 36.3 47.0 70.6#



#57
1,3-Dichloropropane
Concen: 2.063 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

Tgt Ion: 76 Resp: 9056
Ion Ratio Lower Upper
76 100
78 0.6 26.0 39.0#

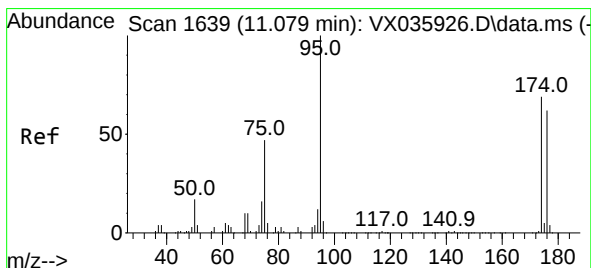
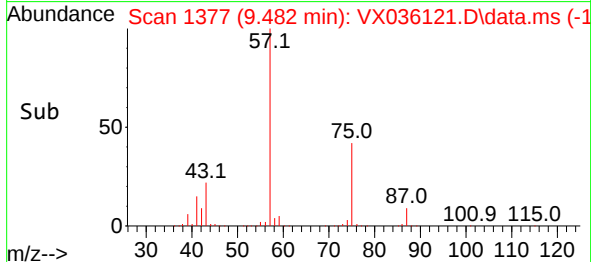
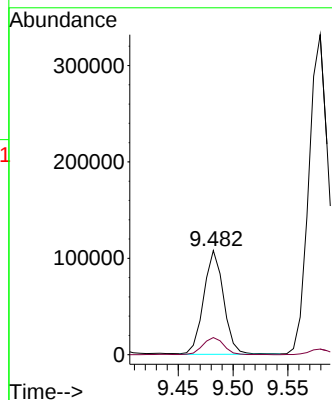
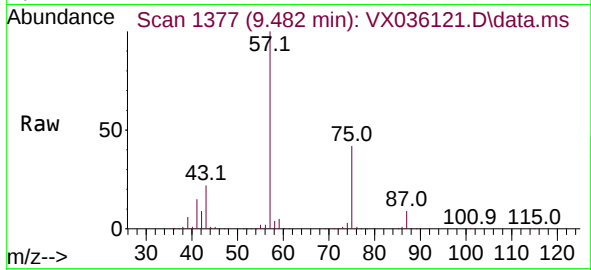




#59
2-Hexanone
Concen: 50.795 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

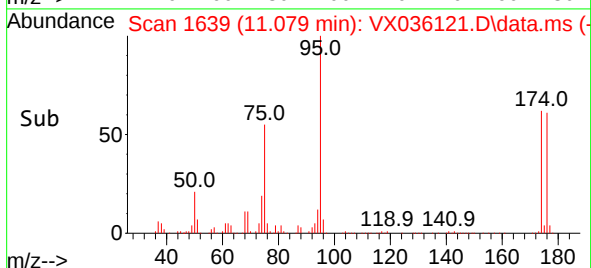
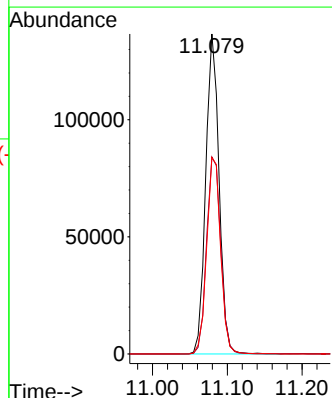
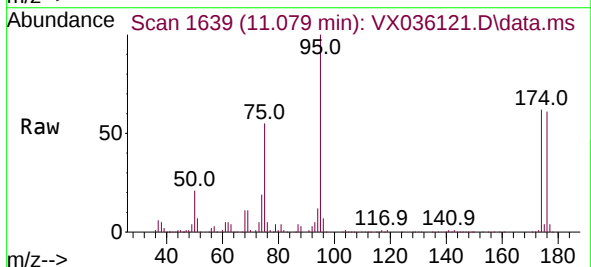
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#01

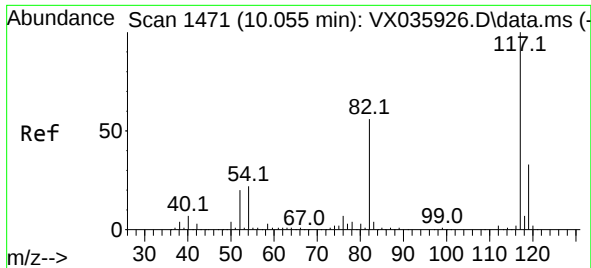
Tgt Ion: 43 Resp: 136174
Ion Ratio Lower Upper
43 100
58 17.5 26.3 78.8#



#62
4-Bromofluorobenzene
Concen: 49.022 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

Tgt Ion: 95 Resp: 168980
Ion Ratio Lower Upper
95 100
174 65.6 0.0 132.6
176 64.0 0.0 128.0

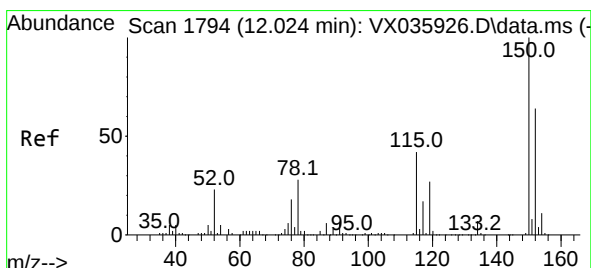
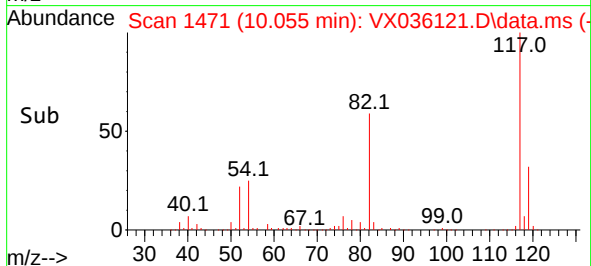
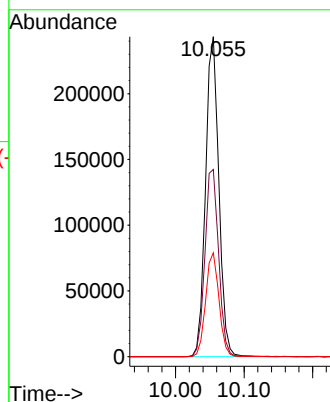
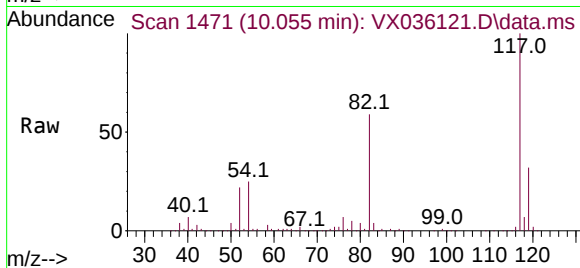




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

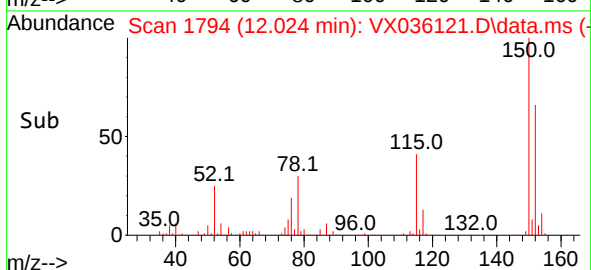
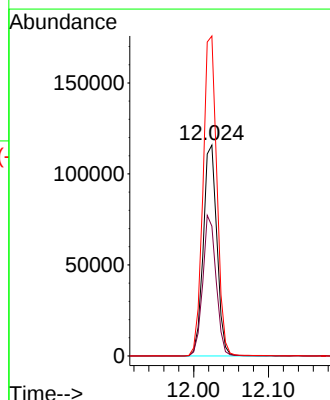
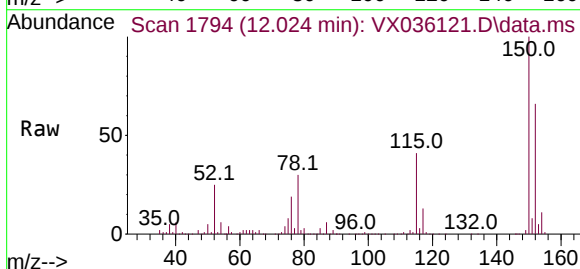
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#01

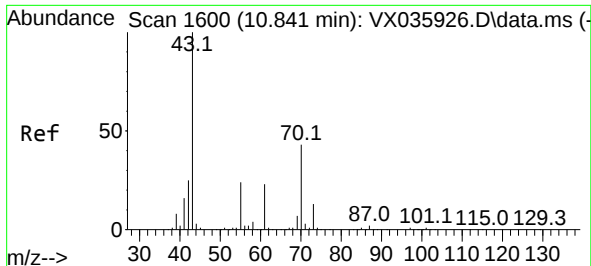
Tgt Ion:117 Resp: 328187
Ion Ratio Lower Upper
117 100
82 58.5 46.6 69.8
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

Tgt Ion:152 Resp: 146356
Ion Ratio Lower Upper
152 100
115 65.5 45.5 136.5
150 154.9 0.0 345.2

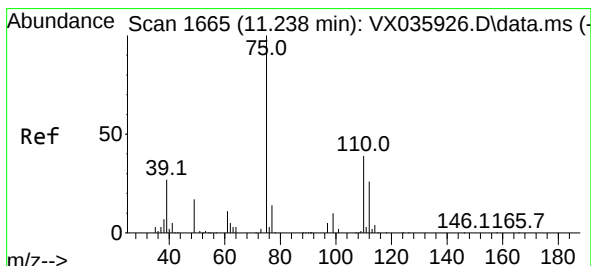
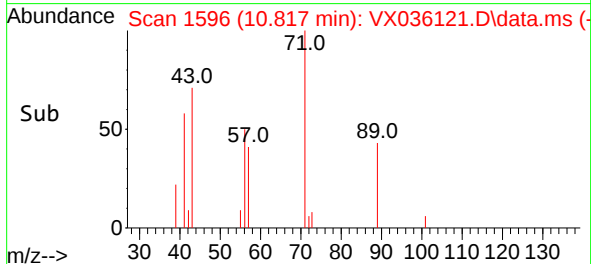
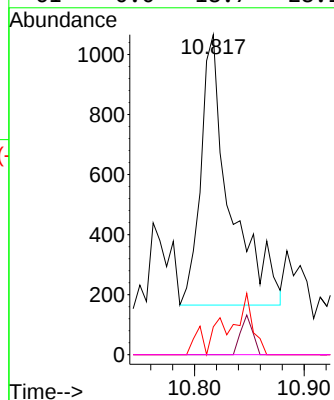
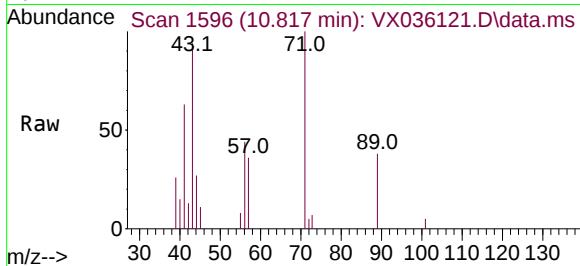




#74
N-amy1 acetate
Concen: 0.360 ug/l
RT: 10.817 min Scan# 1669
Delta R.T. -0.024 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

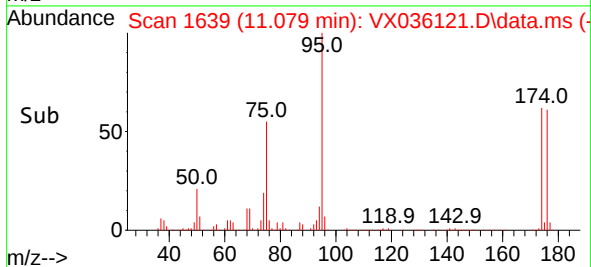
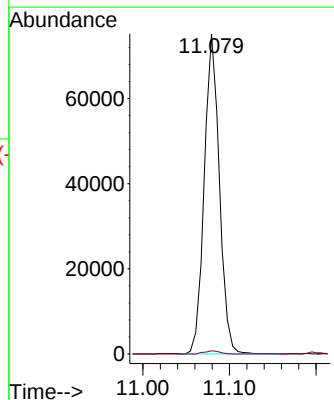
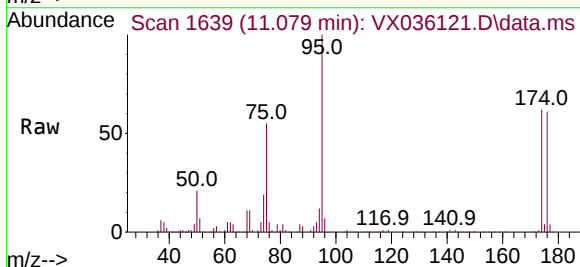
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#01

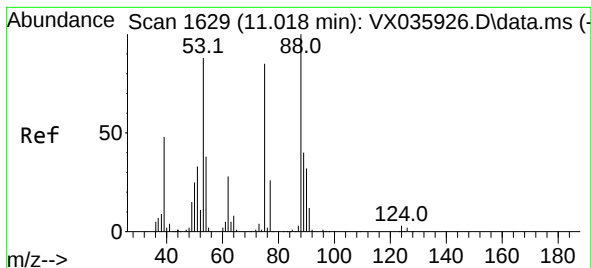
Tgt Ion: 43	Resp: 1669
Ion Ratio	Lower Upper
43 100	
70 0.0	32.6 48.8#
55 6.2	19.0 28.4#
61 0.0	18.7 28.1#



#76
1,2,3-Trichloropropane
Concen: 27.609 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

Tgt Ion: 75	Resp: 91137
Ion Ratio	Lower Upper
75 100	
77 1.0	21.4 64.2#

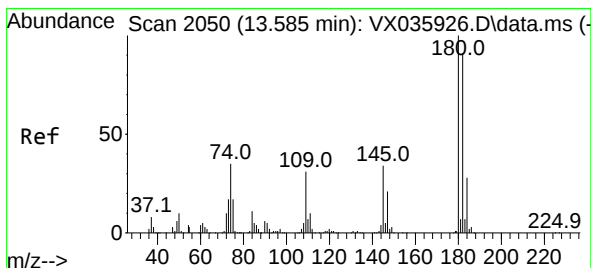
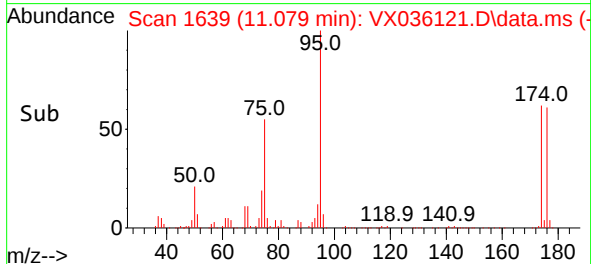
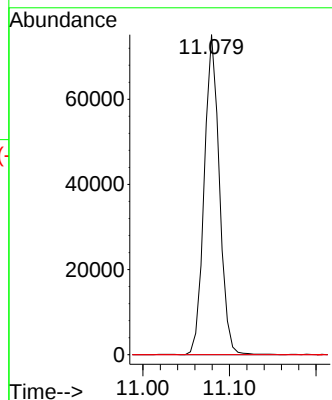
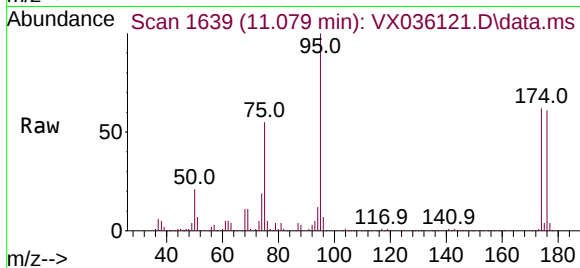




#81
trans-1,4-Dichloro-2-butene
Concen: 92.996 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

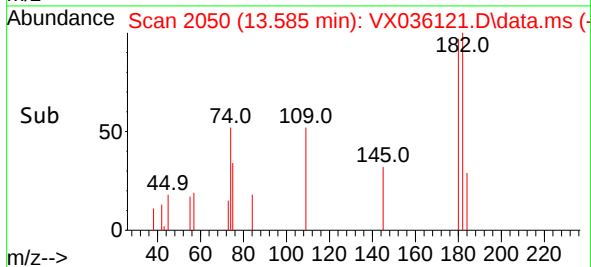
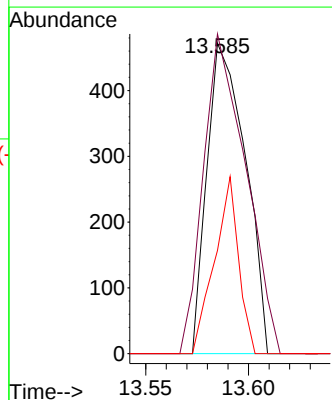
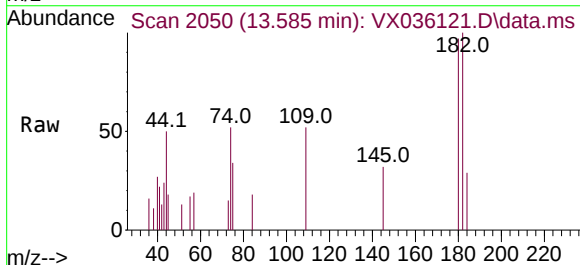
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#01

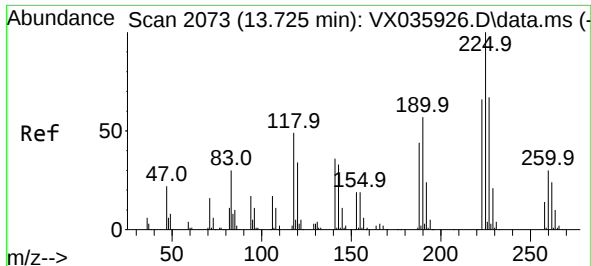
Tgt Ion: 75 Resp: 91137
Ion Ratio Lower Upper
75 100
53 0.0 95.2 142.8#
89 0.0 38.0 57.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.220 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

Tgt Ion:180 Resp: 613
Ion Ratio Lower Upper
180 100
182 113.1 47.3 141.8
145 35.7 17.3 51.9

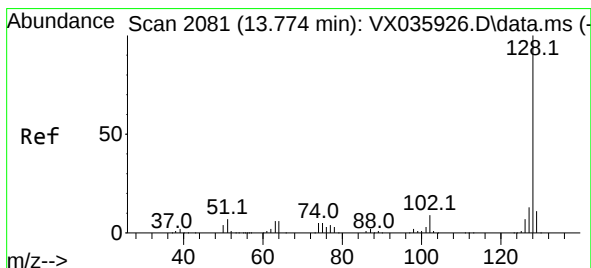
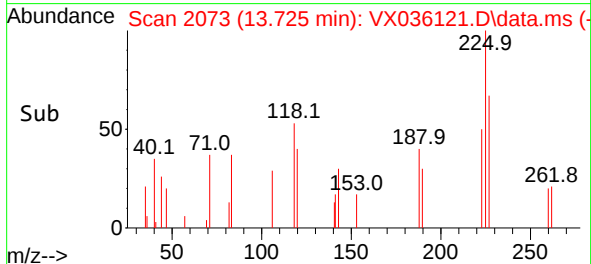
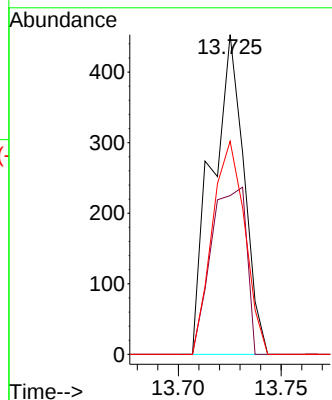
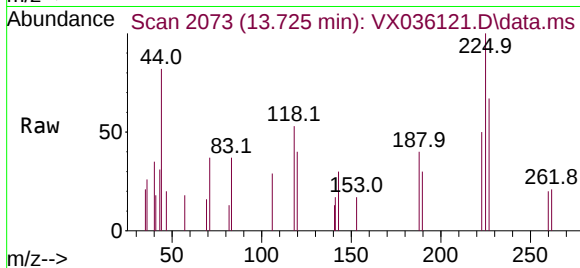




#94
Hexachlorobutadiene
Concen: 0.462 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

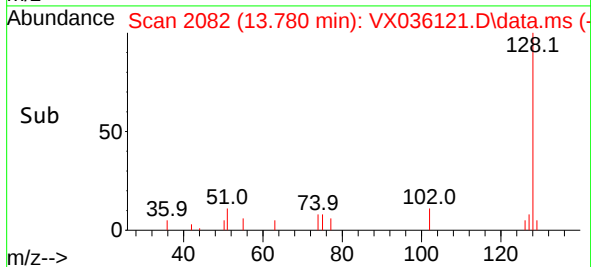
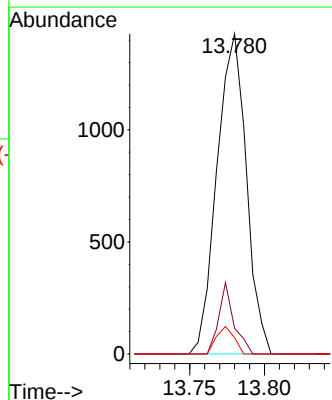
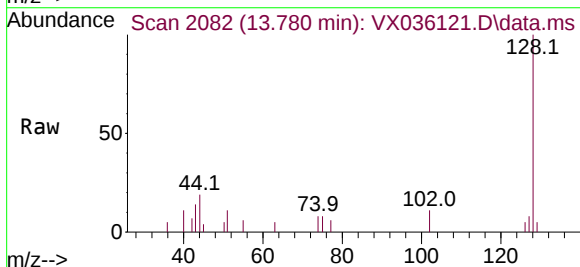
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#01

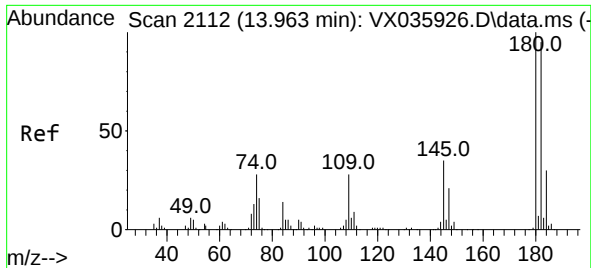
Tgt Ion:	225	Resp:	490
Ion	Ratio	Lower	Upper
225	100		
223	57.8	32.6	97.7
227	68.0	31.9	95.7



#95
Naphthalene
Concen: 0.201 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX036121.D
Acq: 12 Jun 2023 14:28

Tgt Ion:	128	Resp:	1949
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.3	15.5
129	5.1	8.7	13.1





#96

1,2,3-Trichlorobenzene

Concen: 0.204 ug/l

RT: 13.957 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX036121.D

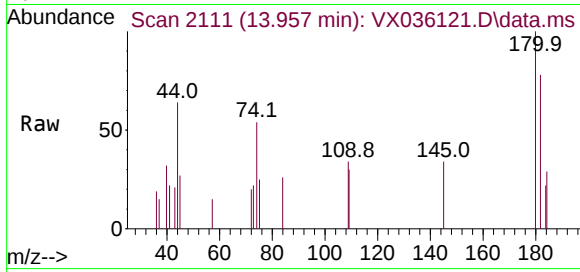
Acq: 12 Jun 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

PB153331ZHE#01



Tgt Ion:180 Resp: 561

Ion Ratio Lower Upper

180 100

182 92.3 46.9 140.7

145 30.3 18.1 54.3

