

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061223\
 Data File : VX036126.D
 Acq On : 12 Jun 2023 16:25
 Operator : JC/MD
 Sample : PB153331ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153331ZHE#06

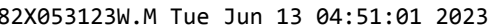
Quant Time: Jun 13 04:50:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 12:50:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	208112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	340762	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	312740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	158033	46.763	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.520%		
35) Dibromofluoromethane	5.385	113	106409	46.427	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.860%		
50) Toluene-d8	8.647	98	413343	50.251	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.500%		
62) 4-Bromofluorobenzene	11.079	95	158848	48.919	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.840%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	3271	5.450	ug/l #	78
16) Acetone	2.398	43	25250	18.111	ug/l	95
18) Methyl Acetate	2.709	43	4966	0.916	ug/l	98
20) Methylene Chloride	2.788	84	3495	1.301	ug/l #	90
25) 2-Butanone	4.593	43	1890	0.947	ug/l	93
29) Tetrahydrofuran	5.062	42	683	0.531	ug/l #	34
31) Cyclohexane	5.550	56	5929	1.676	ug/l #	14
36) 1,1-Dichloropropene	5.550	75	18949	6.201	ug/l #	53
37) Ethyl Acetate	4.721	43	43022	12.641	ug/l	100
38) Carbon Tetrachloride	5.544	117	24410	8.197	ug/l #	18
43) Isopropyl Acetate	6.342	43	151580	27.087	ug/l	100
48) Methyl methacrylate	7.799	41	139590	50.865	ug/l #	49
49) 1,4-Dioxane	7.806	88	207	3.293	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	114010	33.377	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	921	0.276	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	46232	12.556	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	5941	1.437	ug/l #	42
59) 2-Hexanone	9.482	43	93792	37.140	ug/l #	51
74) N-amyl acetate	10.811	43	1143	0.265	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	87930	28.644	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	87930	96.483	ug/l #	3

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

Quant Time: Jun 13 04:50:51 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

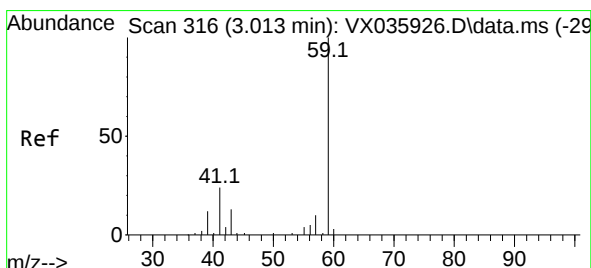
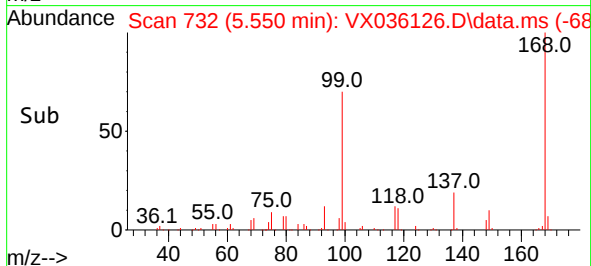
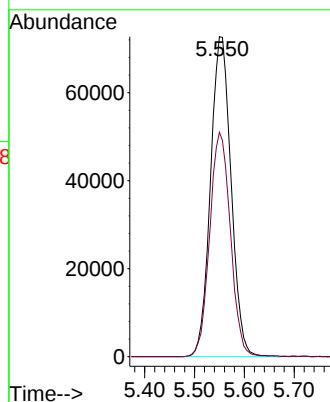
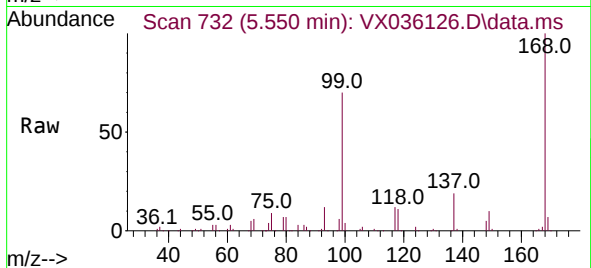




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036126.D
Acq: 12 Jun 2023 16:25

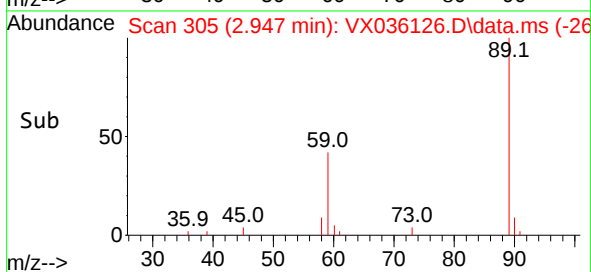
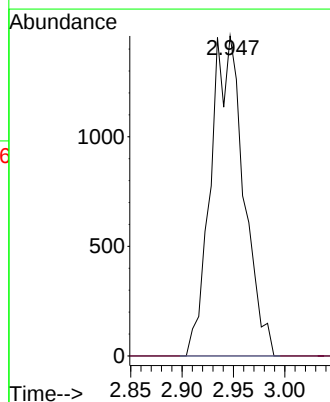
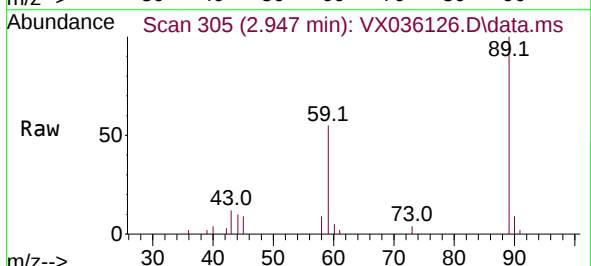
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#06

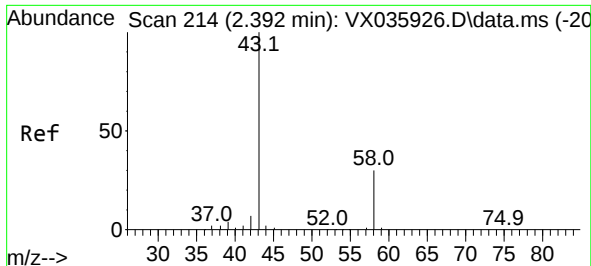
Tgt Ion:168 Resp: 208112
Ion Ratio Lower Upper
168 100
99 70.1 57.0 85.6



#11
Tert butyl alcohol
Concen: 5.450 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.060 min
Lab File: VX036126.D
Acq: 12 Jun 2023 16:25

Tgt Ion: 59 Resp: 3271
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

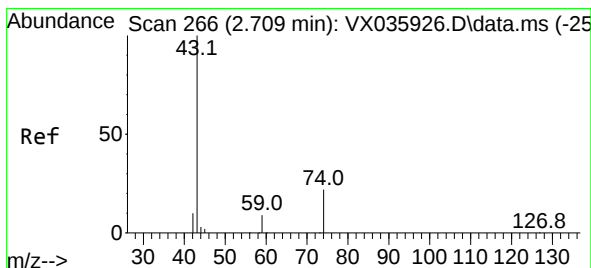
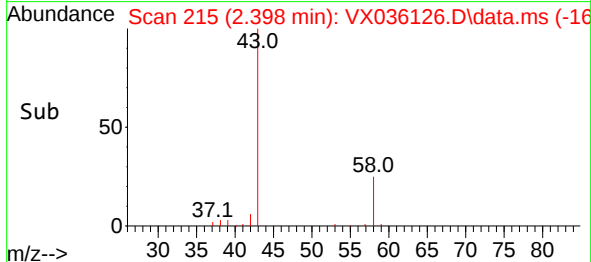
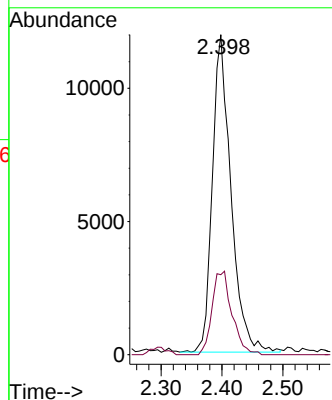
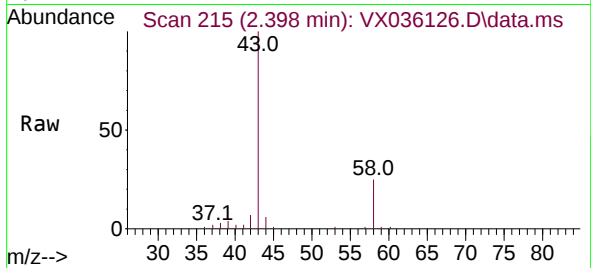




#16
Acetone
Concen: 18.111 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX036126.D
Acq: 12 Jun 2023 16:25

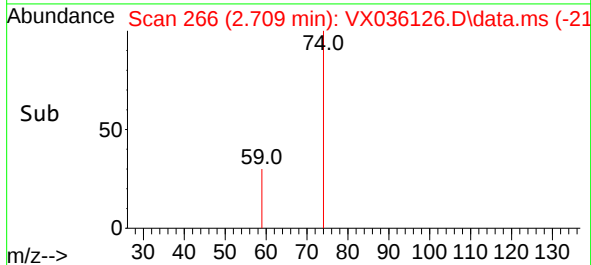
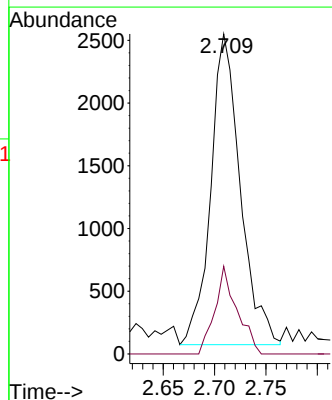
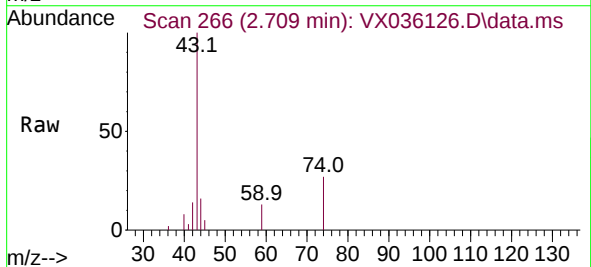
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#06

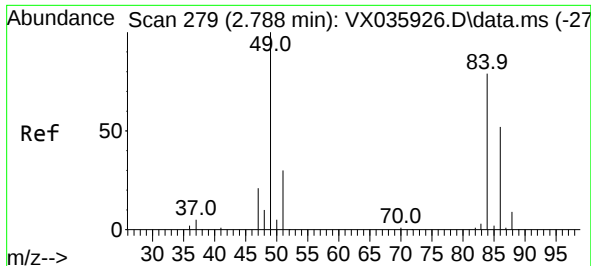
Tgt Ion: 43 Resp: 25250
Ion Ratio Lower Upper
43 100
58 25.2 22.2 33.2



#18
Methyl Acetate
Concen: 0.916 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.007 min
Lab File: VX036126.D
Acq: 12 Jun 2023 16:25

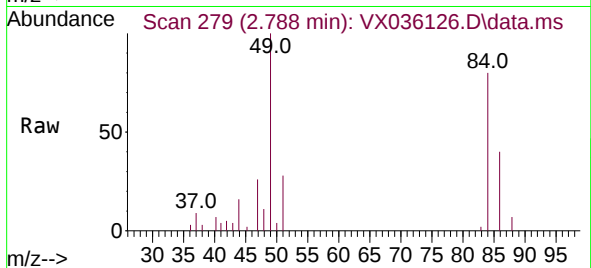
Tgt Ion: 43 Resp: 4966
Ion Ratio Lower Upper
43 100
74 21.0 17.7 26.5



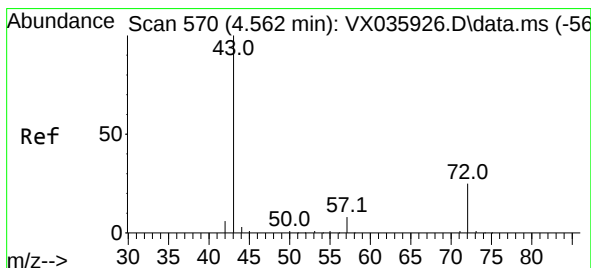
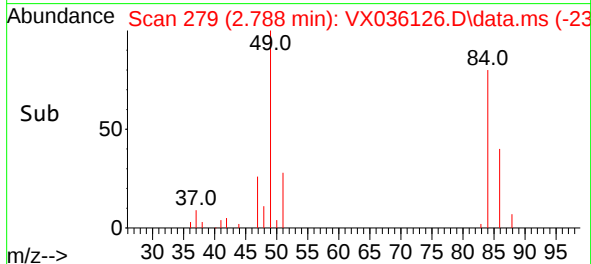
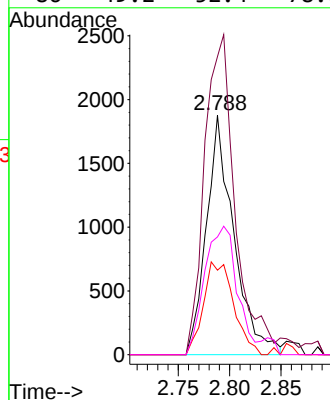


#20
Methylene Chloride
Concen: 1.301 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036126.D
Acq: 12 Jun 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#06

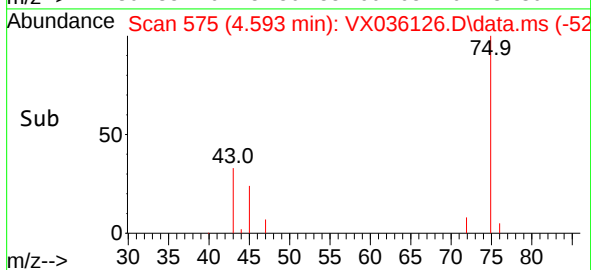
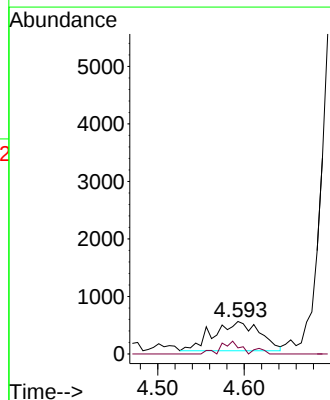
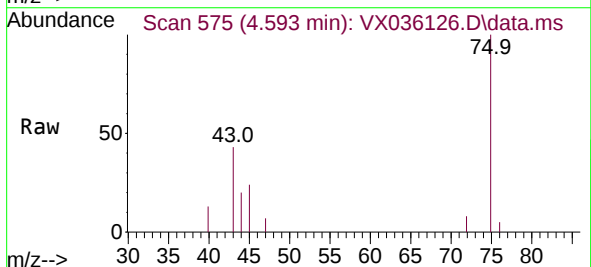


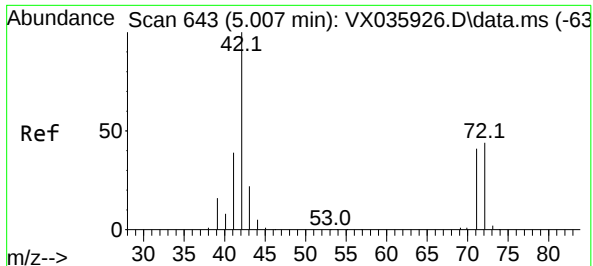
Tgt Ion:	84	Resp:	3495
Ion	Ratio	Lower	Upper
84	100		
49	124.5	104.6	156.8
51	35.3	32.2	48.4
86	49.2	52.4	78.6



#25
2-Butanone
Concen: 0.947 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.031 min
Lab File: VX036126.D
Acq: 12 Jun 2023 16:25

Tgt Ion:	43	Resp:	1890
Ion	Ratio	Lower	Upper
43	100		
72	21.1	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.531 ug/l

RT: 5.062 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX036126.D

Acq: 12 Jun 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

PB153331ZHE#06

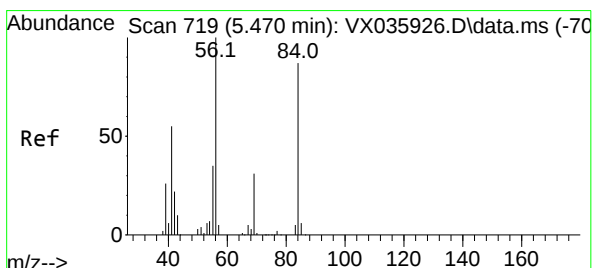
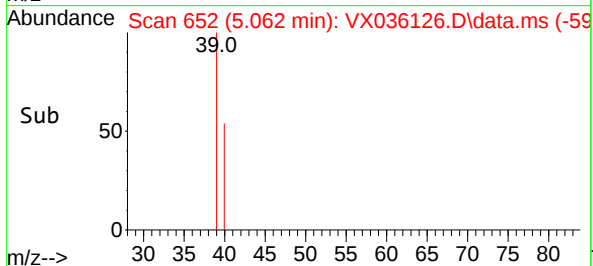
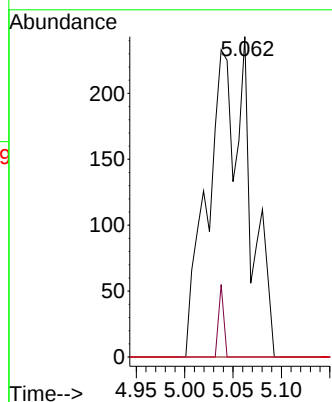
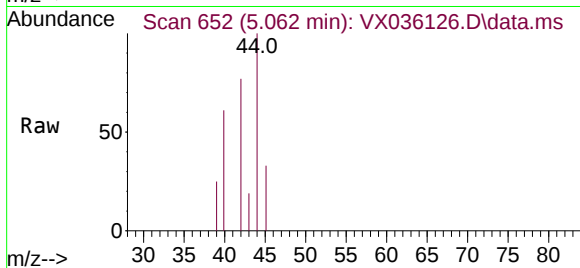
Tgt Ion: 42 Resp: 683

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

71 0.0 31.8 47.8#



#31

Cyclohexane

Concen: 1.676 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX036126.D

Acq: 12 Jun 2023 16:25

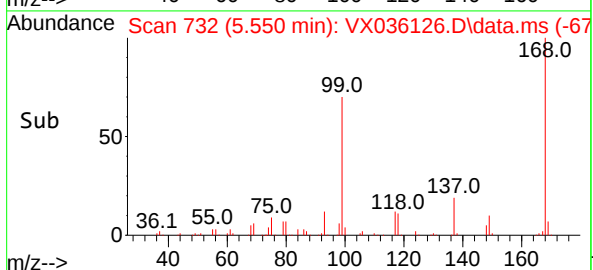
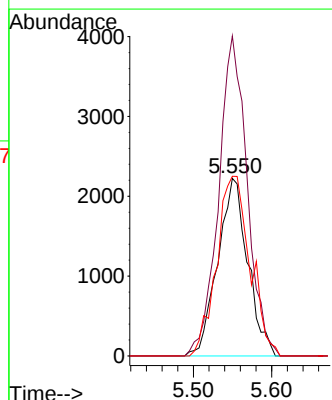
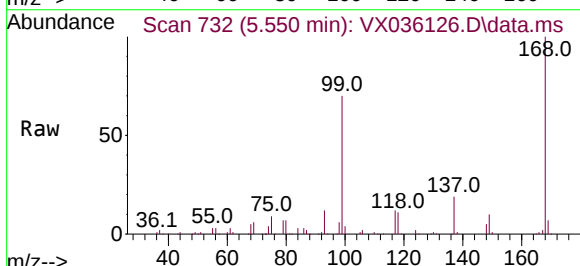
Tgt Ion: 56 Resp: 5929

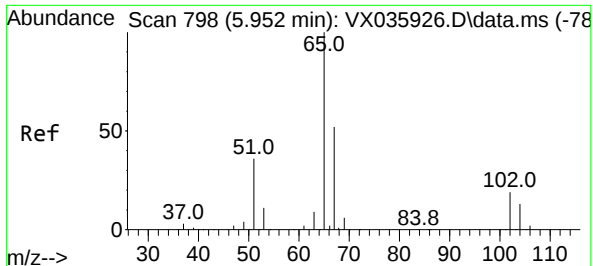
Ion Ratio Lower Upper

56 100

69 180.1 25.9 38.9#

84 101.2 67.6 101.4





#33

1,2-Dichloroethane-d4

Concen: 46.763 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036126.D

Acq: 12 Jun 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

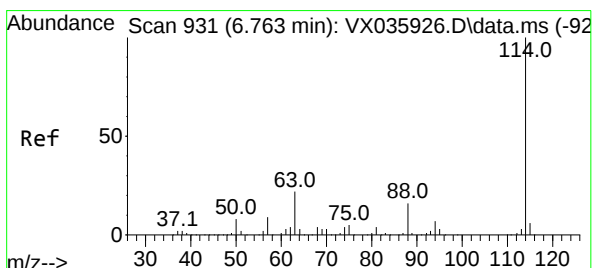
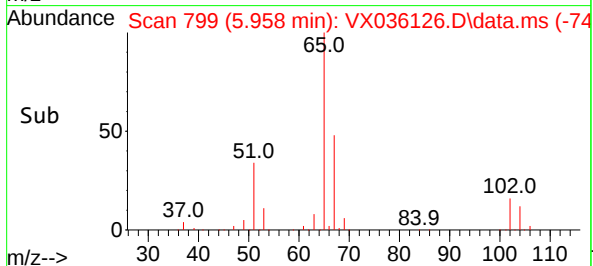
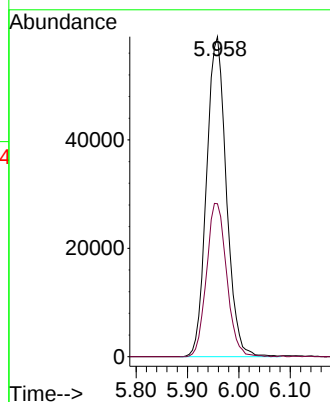
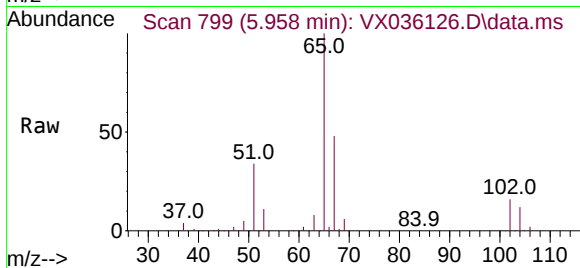
PB153331ZHE#06

Tgt Ion: 65 Resp: 158033

Ion Ratio Lower Upper

65 100

67 48.7 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: VX036126.D

Acq: 12 Jun 2023 16:25

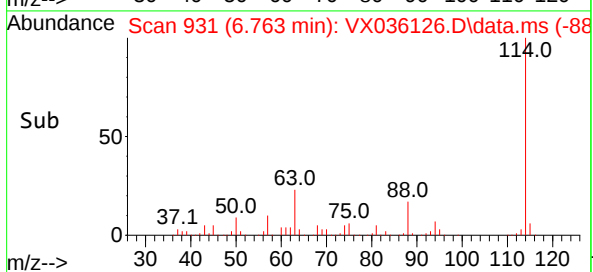
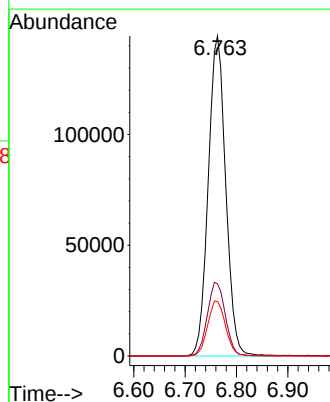
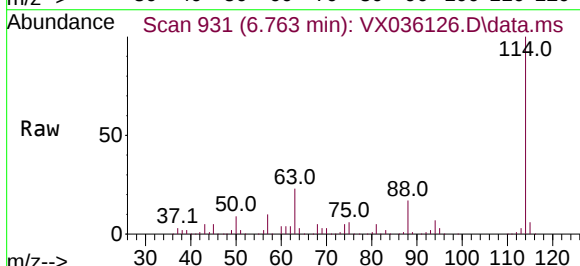
Tgt Ion: 114 Resp: 340762

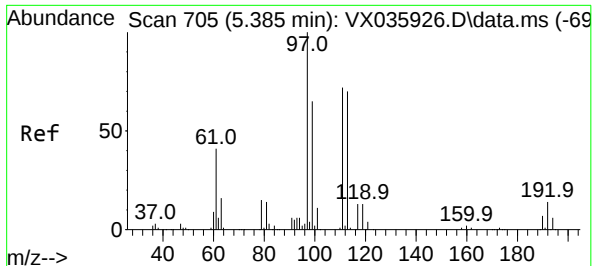
Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.0

88 17.1 0.0 35.2





#35

Dibromofluoromethane

Concen: 46.427 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036126.D

Acq: 12 Jun 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

PB153331ZHE#06

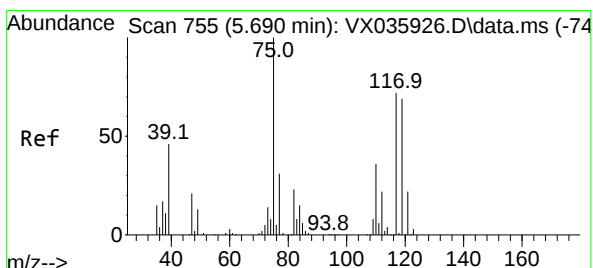
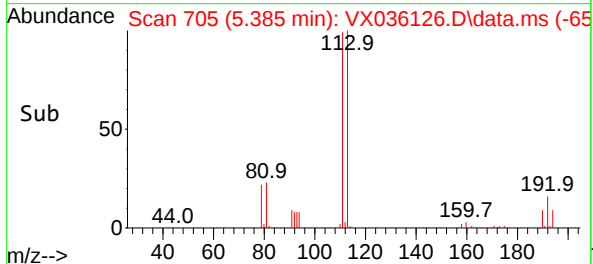
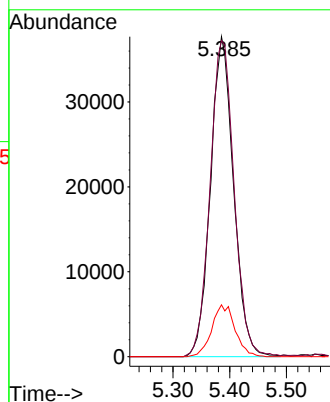
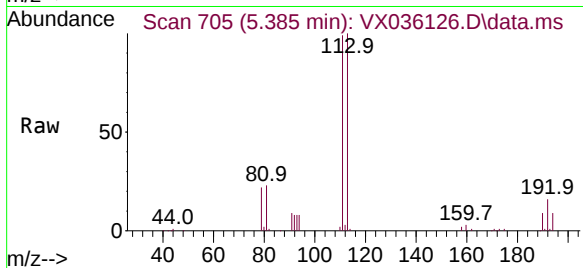
Tgt Ion:113 Resp: 106409

Ion Ratio Lower Upper

113 100

111 103.4 81.7 122.5

192 16.4 13.5 20.3



#36

1,1-Dichloropropene

Concen: 6.201 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX036126.D

Acq: 12 Jun 2023 16:25

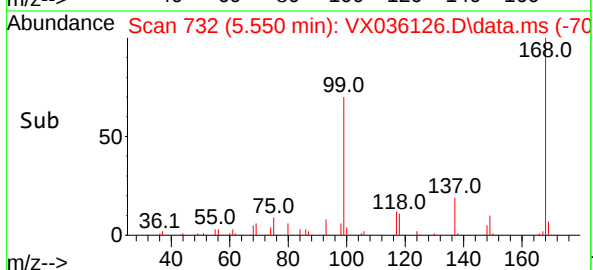
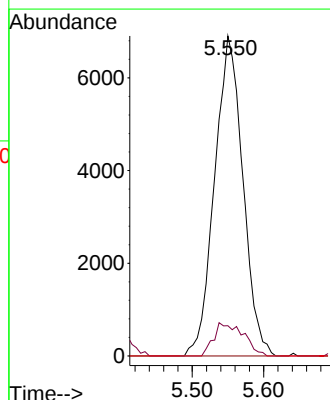
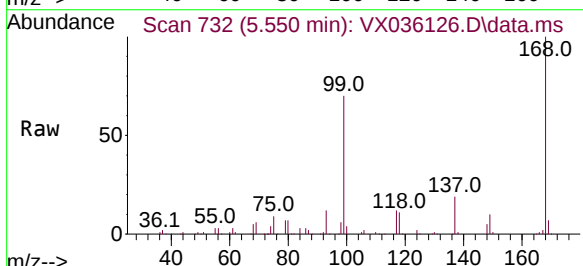
Tgt Ion: 75 Resp: 18949

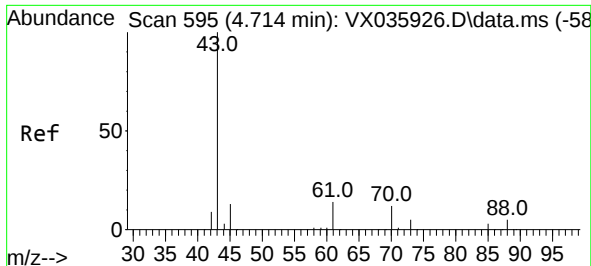
Ion Ratio Lower Upper

75 100

110 10.9 16.6 49.7#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 12.641 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.013 min

Lab File: VX036126.D

Acq: 12 Jun 2023 16:25

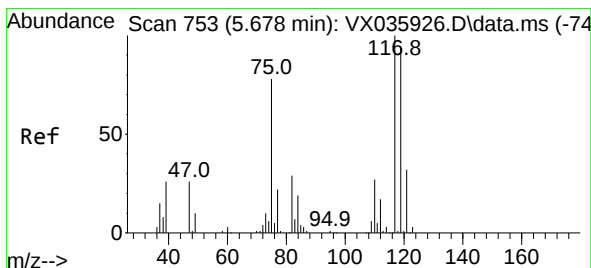
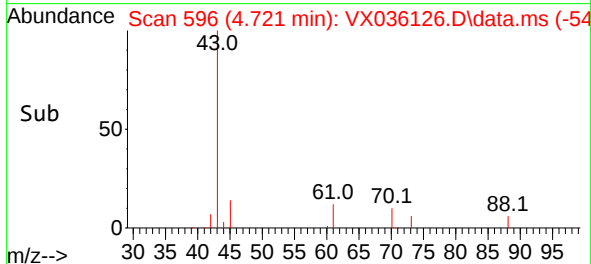
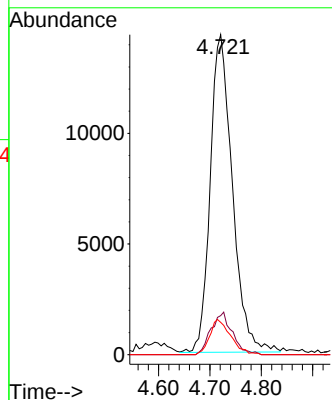
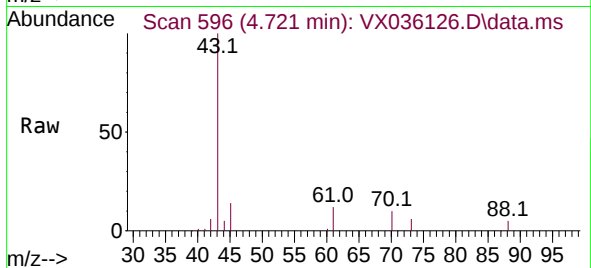
Instrument :

MSVOA_X

ClientSampleId :

PB153331ZHE#06

Tgt Ion:	43	Resp:	43022
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.3	15.5
70	10.5	8.3	12.5



#38

Carbon Tetrachloride

Concen: 8.197 ug/l

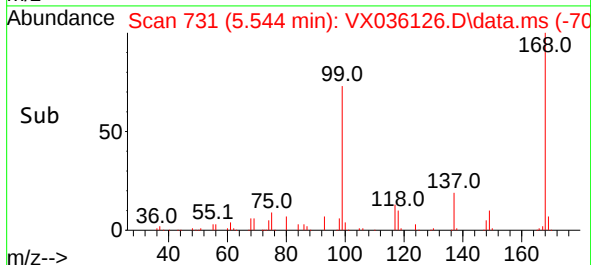
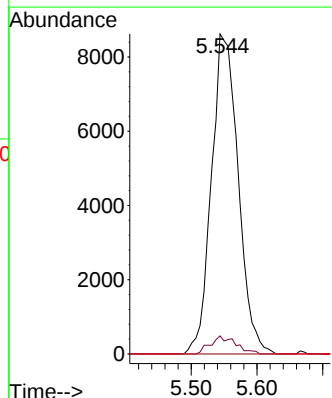
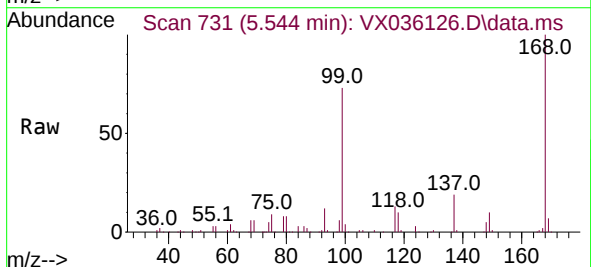
RT: 5.544 min Scan# 731

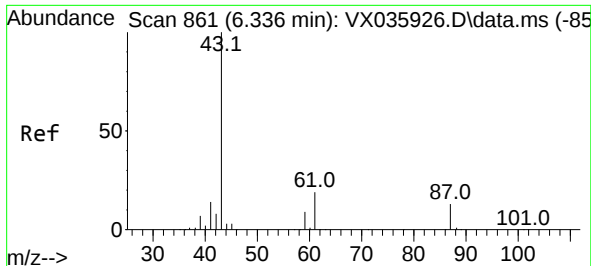
Delta R.T. -0.133 min

Lab File: VX036126.D

Acq: 12 Jun 2023 16:25

Tgt Ion:	117	Resp:	24410
Ion	Ratio	Lower	Upper
117	100		
119	5.6	74.1	111.1#
121	0.0	25.0	37.4#

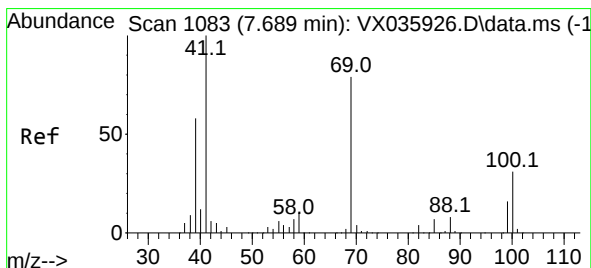
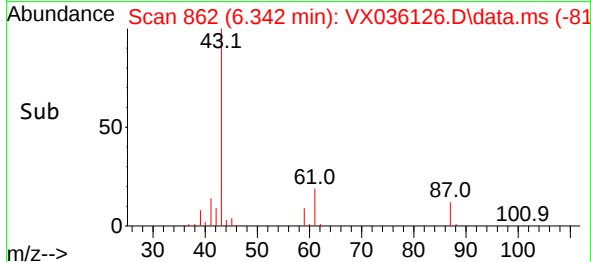
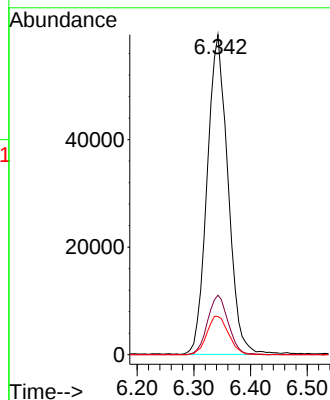
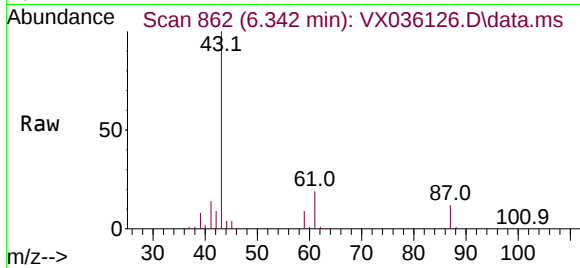




#43
Isopropyl Acetate
Concen: 27.087 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX036126.D
Acq: 12 Jun 2023 16:25

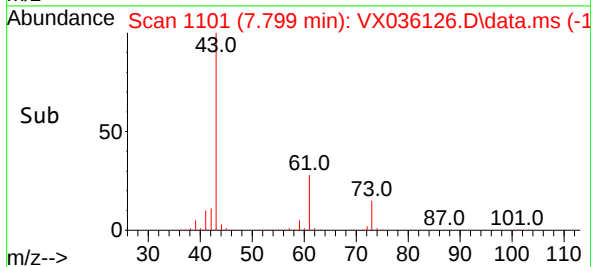
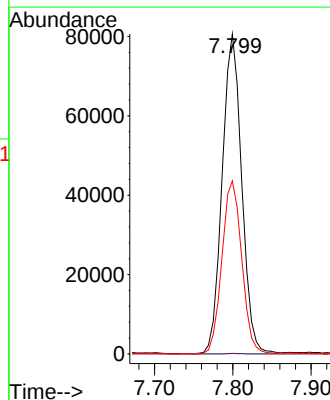
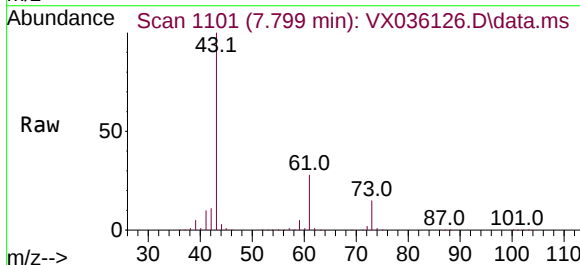
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#06

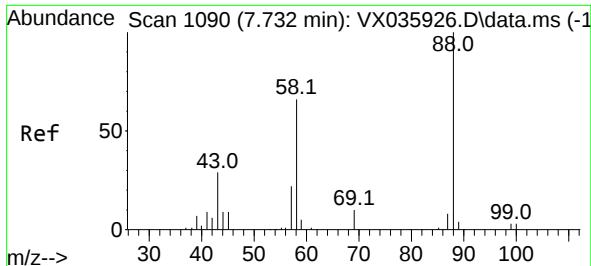
Tgt Ion: 43 Resp: 151580
Ion Ratio Lower Upper
43 100
61 18.4 15.0 22.4
87 12.4 9.9 14.9



#48
Methyl methacrylate
Concen: 50.865 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036126.D
Acq: 12 Jun 2023 16:25

Tgt Ion: 41 Resp: 139590
Ion Ratio Lower Upper
41 100
69 0.1 59.0 88.6#
39 55.0 48.4 72.6





#49

1,4-Dioxane

Concen: 3.293 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.092 min

Lab File: VX036126.D

Acq: 12 Jun 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

PB153331ZHE#06

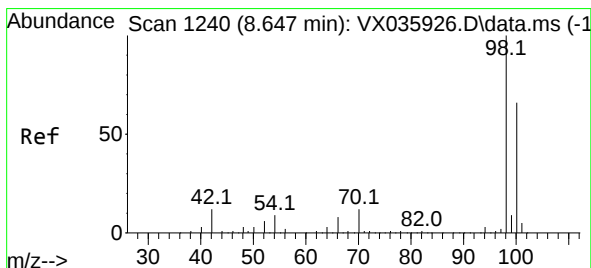
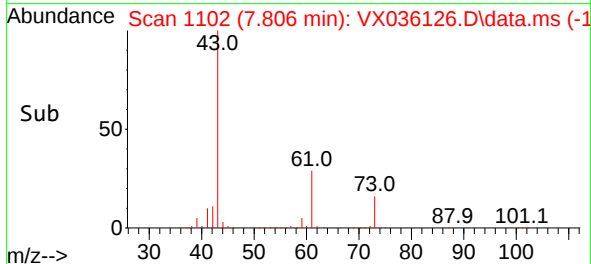
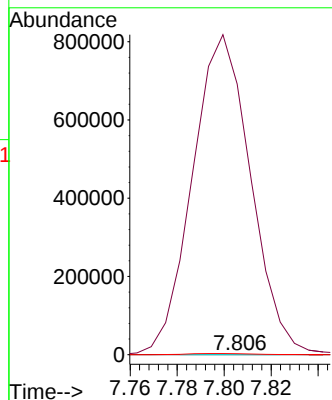
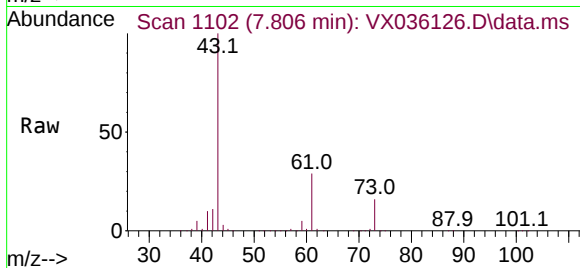
Tgt Ion: 88 Resp: 207

Ion Ratio Lower Upper

88 100

43 687308.7 27.4 41.0#

58 2817.4 58.9 88.3#



#50

Toluene-d8

Concen: 50.251 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX036126.D

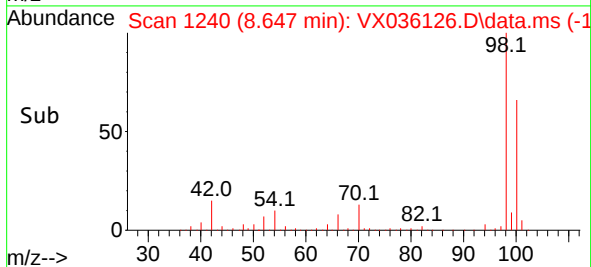
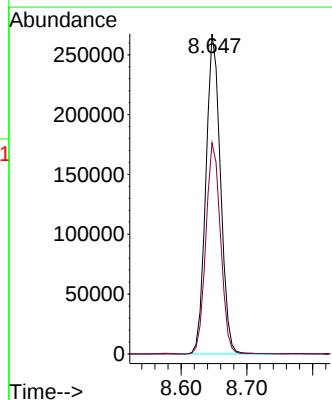
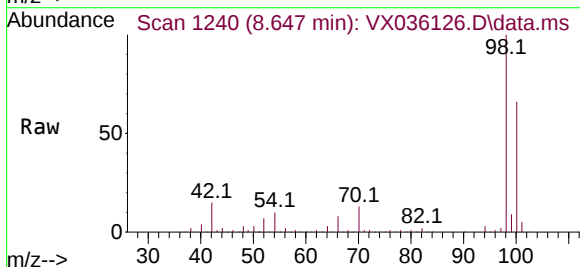
Acq: 12 Jun 2023 16:25

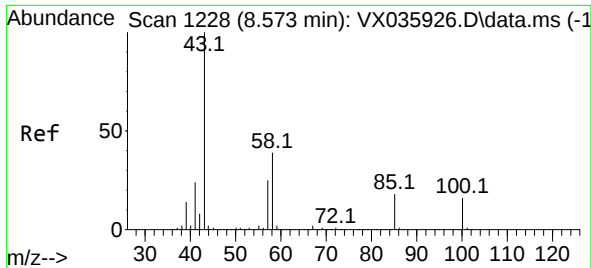
Tgt Ion: 98 Resp: 413343

Ion Ratio Lower Upper

98 100

100 66.4 53.4 80.0

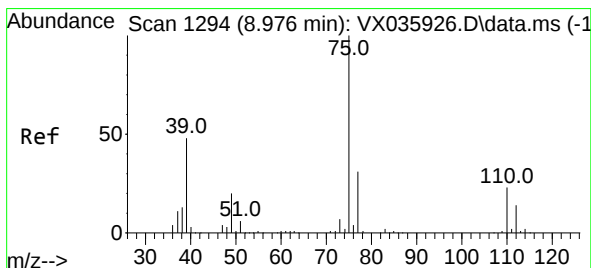
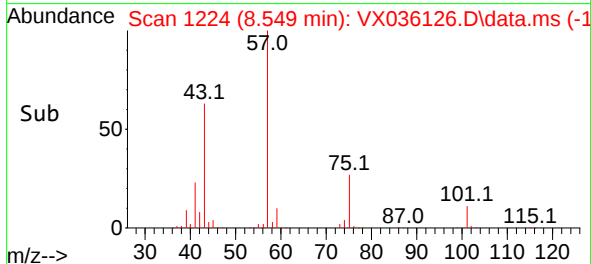
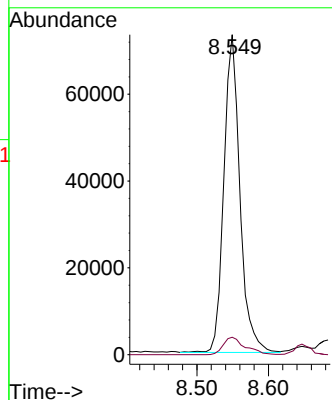
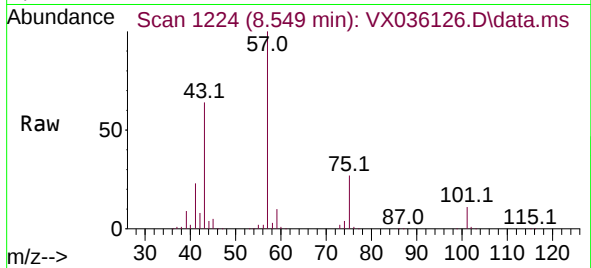




#51
4-Methyl-2-Pentanone
Concen: 33.377 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX036126.D
Acq: 12 Jun 2023 16:25

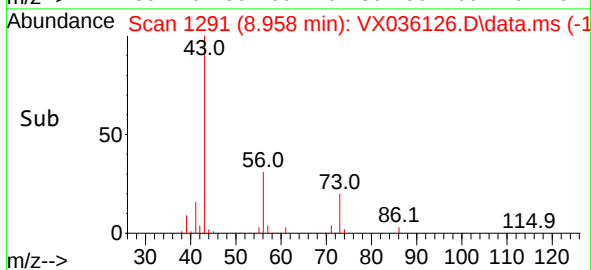
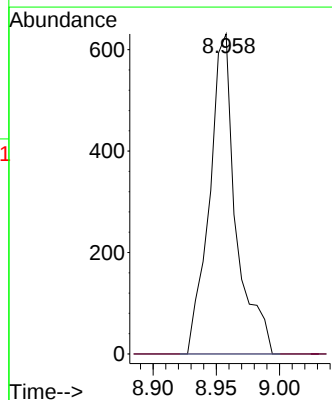
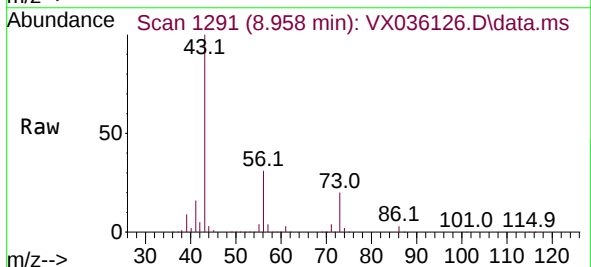
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#06

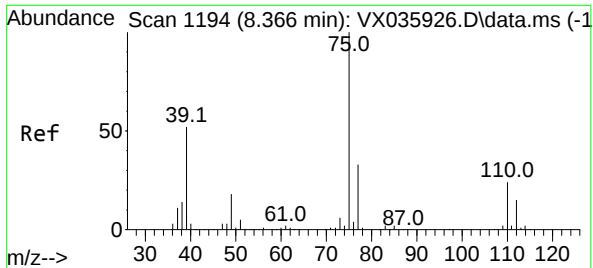
Tgt Ion: 43 Resp: 114010
Ion Ratio Lower Upper
43 100
58 7.5 30.1 45.1#



#53
t-1,3-Dichloropropene
Concen: 0.276 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX036126.D
Acq: 12 Jun 2023 16:25

Tgt Ion: 75 Resp: 921
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#

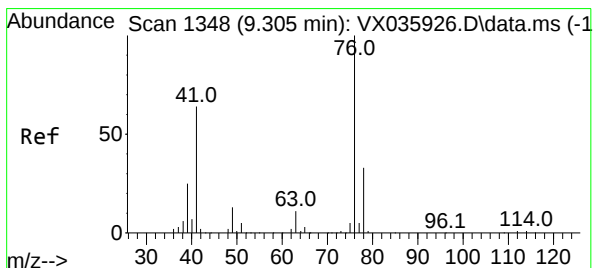
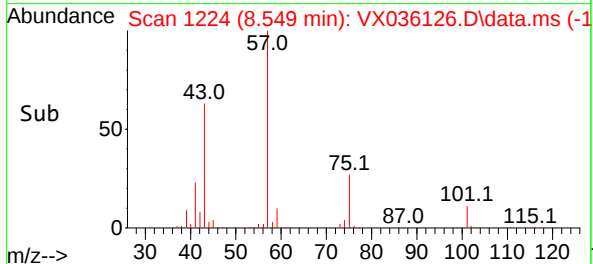
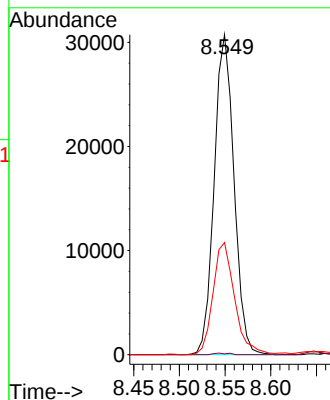
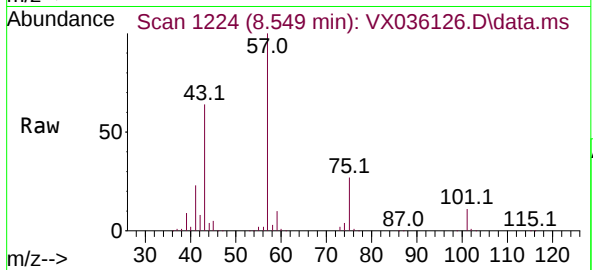




#54
 cis-1,3-Dichloropropene
 Concen: 12.556 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036126.D
 Acq: 12 Jun 2023 16:25

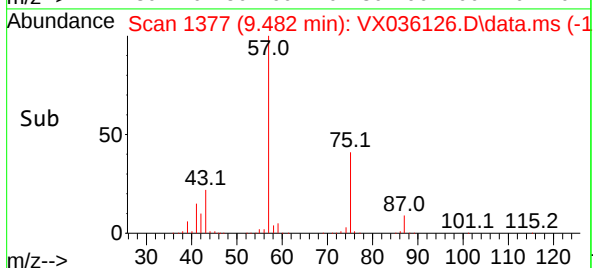
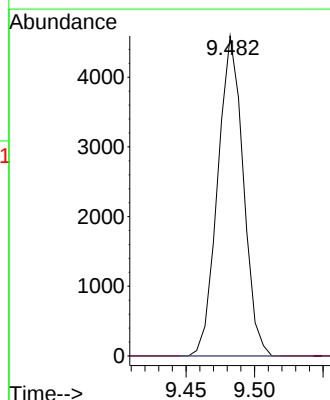
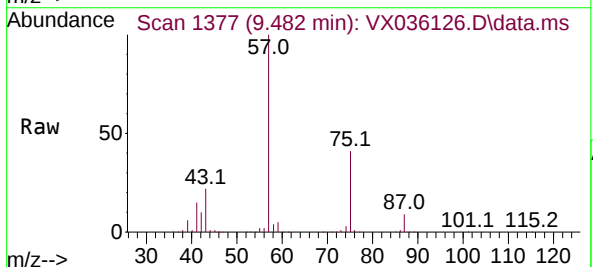
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153331ZHE#06

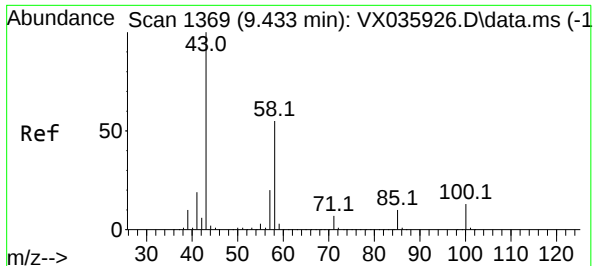
Tgt Ion: 75 Resp: 46232
 Ion Ratio Lower Upper
 75 100
 77 0.2 24.7 37.1#
 39 35.0 47.0 70.6#



#57
 1,3-Dichloropropane
 Concen: 1.437 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX036126.D
 Acq: 12 Jun 2023 16:25

Tgt Ion: 76 Resp: 5941
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

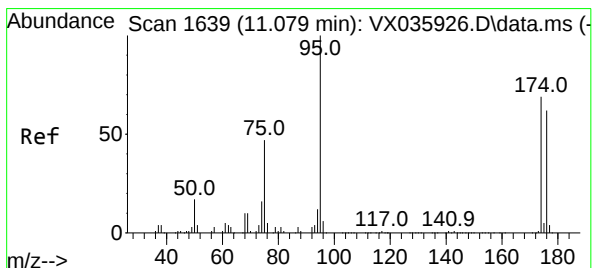
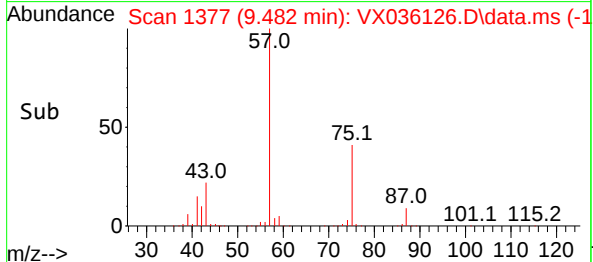
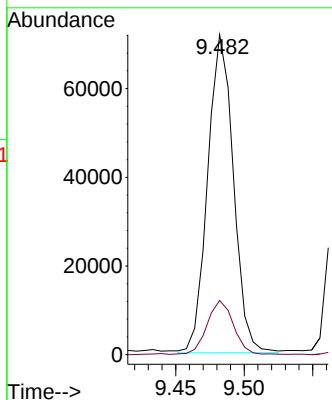
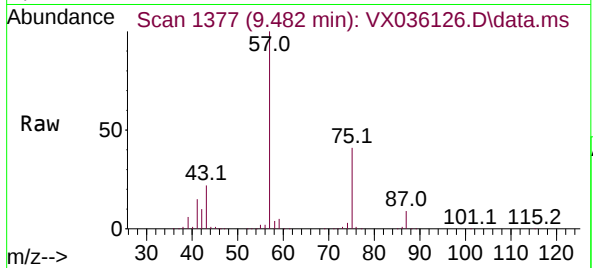




#59
2-Hexanone
Concen: 37.140 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX036126.D
Acq: 12 Jun 2023 16:25

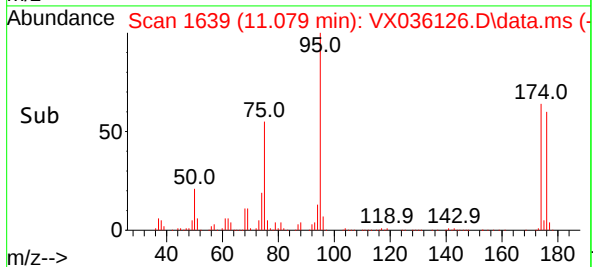
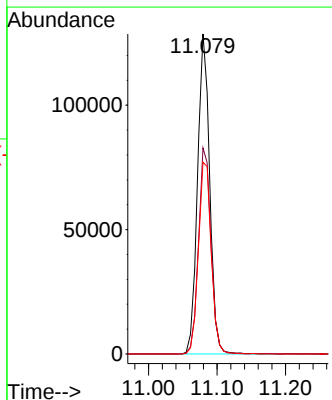
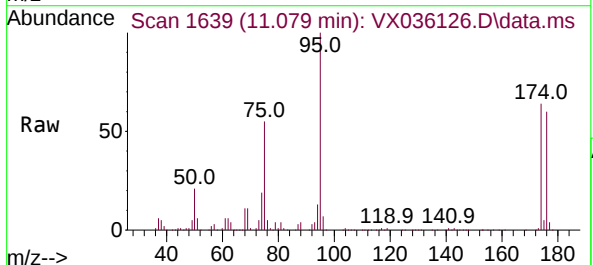
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#06

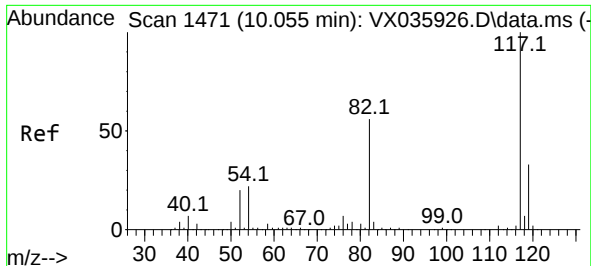
Tgt Ion: 43 Resp: 93792
Ion Ratio Lower Upper
43 100
58 17.7 26.3 78.8#



#62
4-Bromofluorobenzene
Concen: 48.919 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036126.D
Acq: 12 Jun 2023 16:25

Tgt Ion: 95 Resp: 158848
Ion Ratio Lower Upper
95 100
174 66.1 0.0 132.6
176 63.2 0.0 128.0

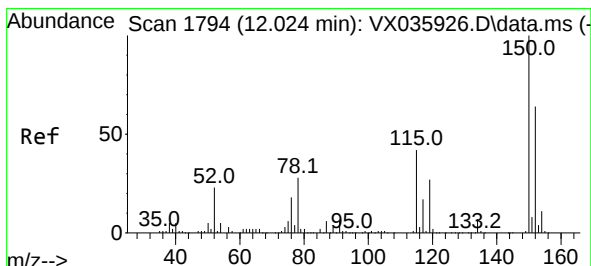
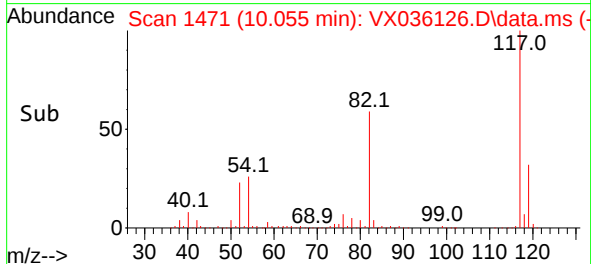
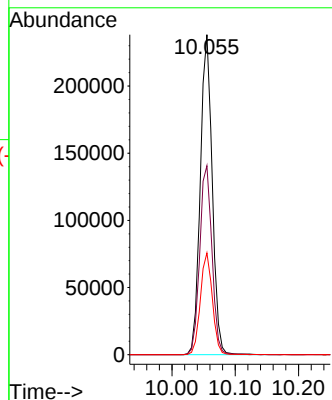
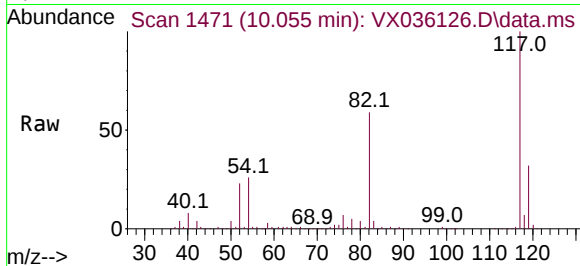




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036126.D
Acq: 12 Jun 2023 16:25

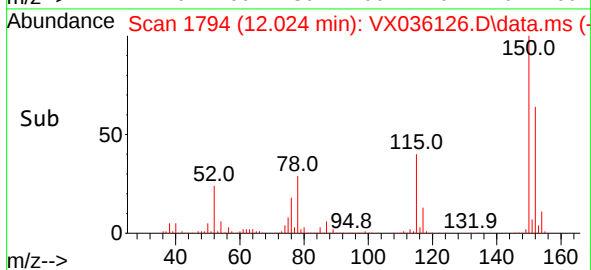
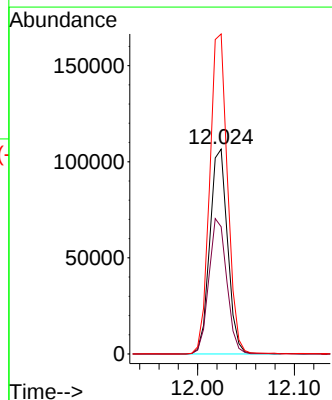
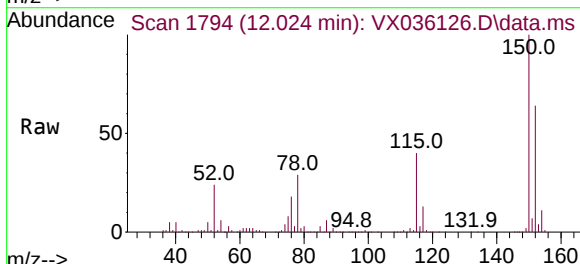
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#06

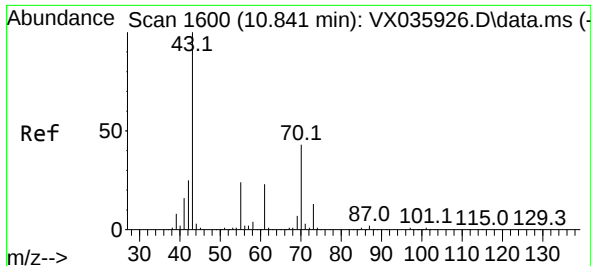
Tgt Ion:117 Resp: 312740
Ion Ratio Lower Upper
117 100
82 59.1 46.6 69.8
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036126.D
Acq: 12 Jun 2023 16:25

Tgt Ion:152 Resp: 136103
Ion Ratio Lower Upper
152 100
115 66.5 45.5 136.5
150 156.7 0.0 345.2

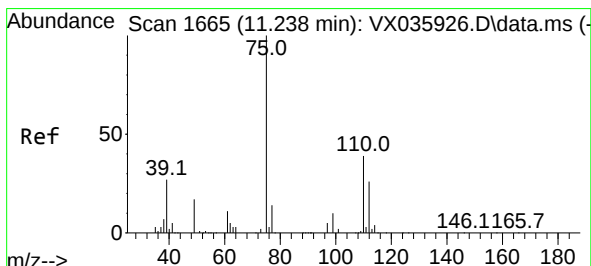
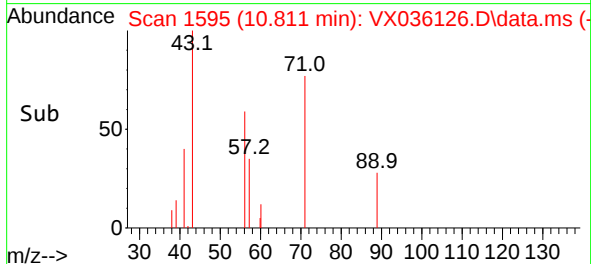
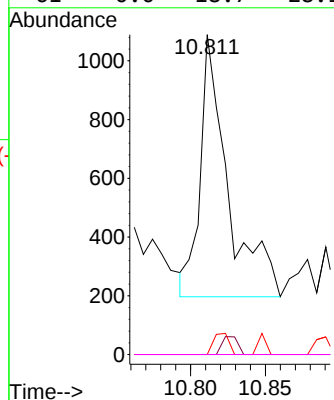
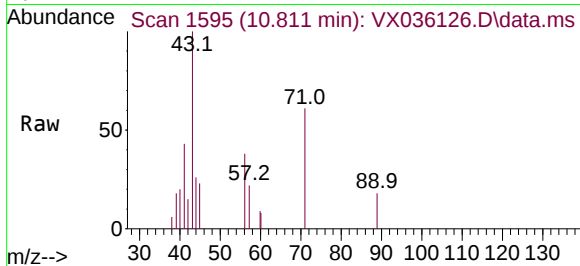




#74
N-amy1 acetate
Concen: 0.265 ug/l
RT: 10.811 min Scan# 1143
Delta R.T. -0.030 min
Lab File: VX036126.D
Acq: 12 Jun 2023 16:25

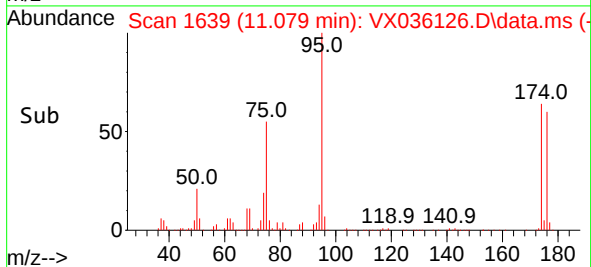
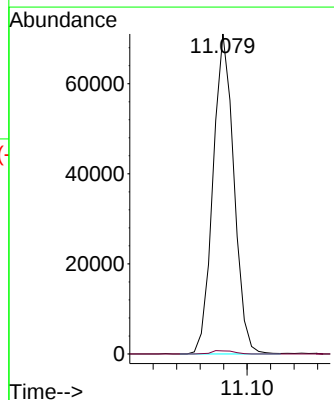
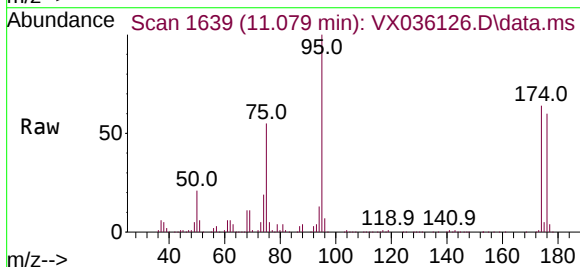
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#06

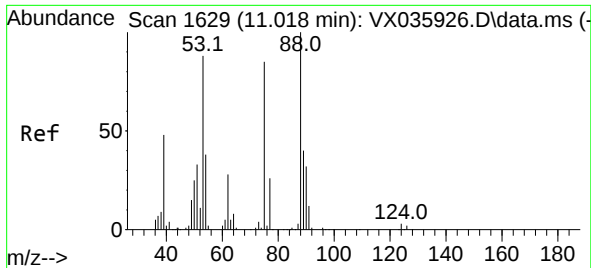
Tgt Ion: 43	Resp:	1143
Ion	Ratio	Lower Upper
43	100	
70	0.0	32.6 48.8#
55	4.5	19.0 28.4#
61	0.0	18.7 28.1#



#76
1,2,3-Trichloropropane
Concen: 28.644 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036126.D
Acq: 12 Jun 2023 16:25

Tgt Ion: 75	Resp:	87930
Ion	Ratio	Lower Upper
75	100	
77	1.1	21.4 64.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.483 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036126.D
 Acq: 12 Jun 2023 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153331ZHE#06

Tgt Ion: 75 Resp: 87930
 Ion Ratio Lower Upper
 75 100
 53 0.0 95.2 142.8#
 89 0.0 38.0 57.0#

