

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080423\
 Data File : VX036815.D
 Acq On : 04 Aug 2023 17:07
 Operator : JC/MD
 Sample : PB154625TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

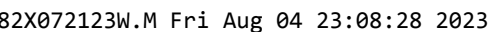
Instrument :
 MSVOA_X
 ClientSampleId :
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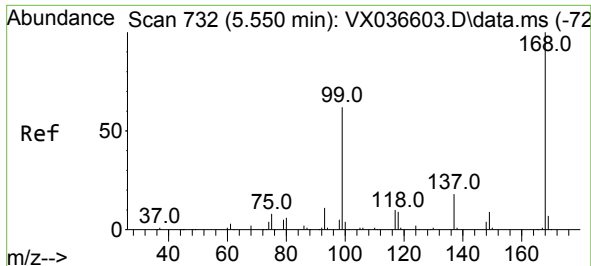
Quant Time: Aug 04 23:08:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	127878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	233955	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89323	47.207	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.420%
35) Dibromofluoromethane	5.385	113	74580	46.378	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.760%
50) Toluene-d8	8.647	98	284732	49.930	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.860%
62) 4-Bromofluorobenzene	11.079	95	106830	49.654	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.300%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	252	0.270	ug/l #	3
11) Tert butyl alcohol	2.953	59	7089	15.825	ug/l #	81
13) Acrolein	2.233	56	106	0.415	ug/l #	76
16) Acetone	2.380	43	52261	66.560	ug/l	91
18) Methyl Acetate	2.709	43	2440	0.739	ug/l	94
20) Methylene Chloride	2.788	84	8521	4.880	ug/l	90
25) 2-Butanone	4.562	43	29331	23.025	ug/l	91
29) Tetrahydrofuran	5.019	42	366	0.446	ug/l #	52
31) Cyclohexane	5.550	56	2944	1.124	ug/l #	20
36) 1,1-Dichloropropene	5.550	75	10897	4.546	ug/l #	50
37) Ethyl Acetate	4.727	43	8874	3.271	ug/l	98
38) Carbon Tetrachloride	5.550	117	13460	5.282	ug/l #	15
41) Methacrylonitrile	5.044	41	539	0.371	ug/l #	38
43) Isopropyl Acetate	6.342	43	135882	29.098	ug/l	95
48) Methyl methacrylate	7.799	41	108131	49.790	ug/l #	49
49) 1,4-Dioxane	7.806	88	135	3.077	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	109799	42.488	ug/l #	37
53) t-1,3-Dichloropropene	8.952	75	885	0.293	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	50817	15.930	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	5959	1.948	ug/l #	42
59) 2-Hexanone	9.378	43	119419	62.265	ug/l #	26
74) N-amyl acetate	10.817	43	990	0.259	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	55831	23.921	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	55831	54.219	ug/l #	5

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

Quant Time: Aug 04 23:08:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

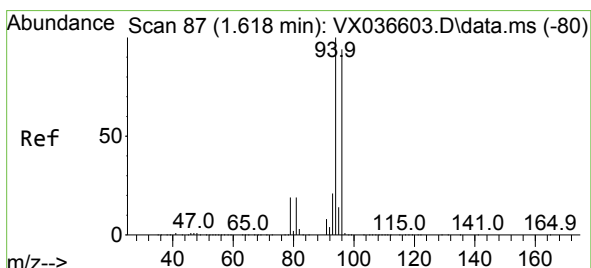
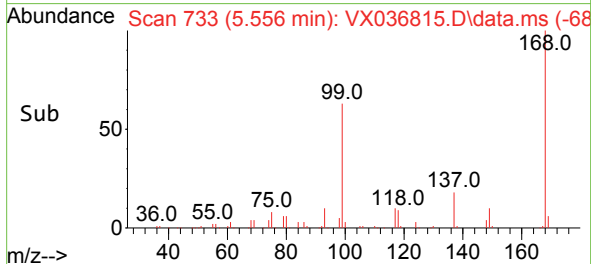
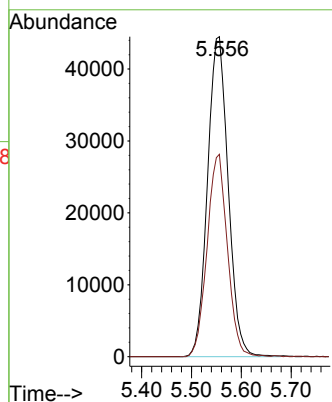
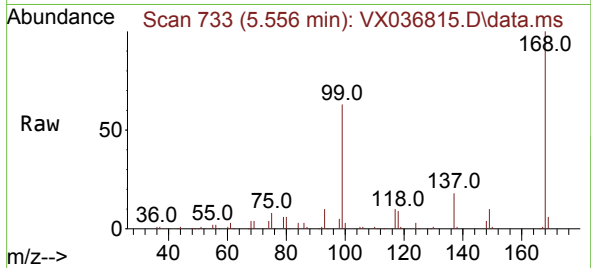




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

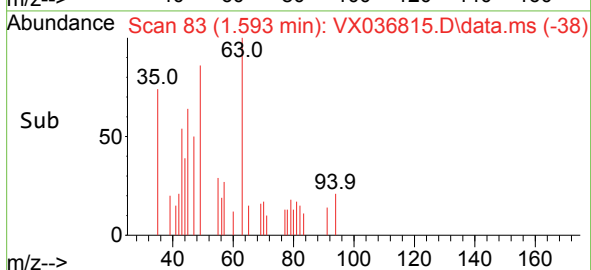
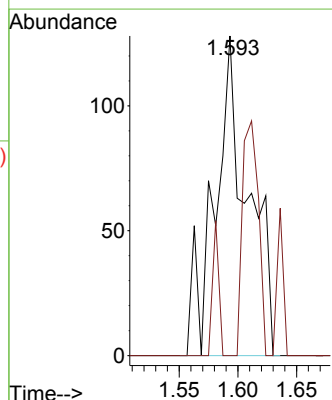
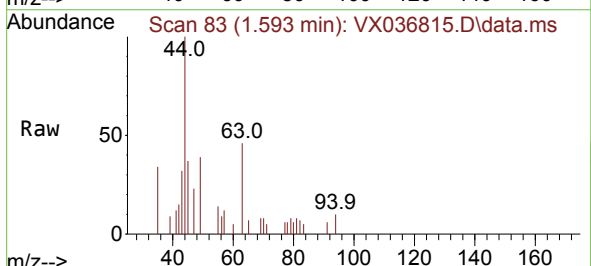
Instrument :
MSVOA_X
ClientSampleId :
PB154625TB

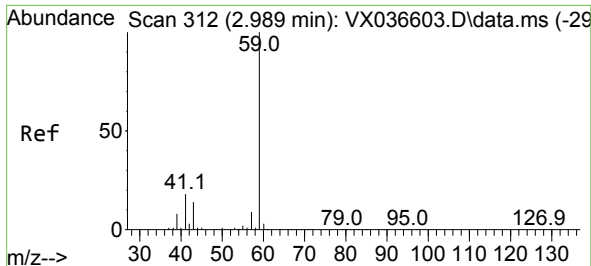
Tgt Ion:168 Resp: 127878
Ion Ratio Lower Upper
168 100
99 63.3 56.6 85.0



#5
Bromomethane
Concen: 0.270 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.024 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

Tgt Ion: 94 Resp: 252
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

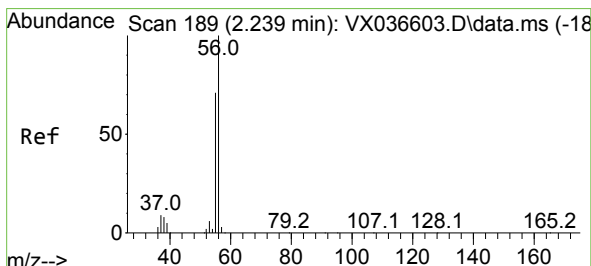
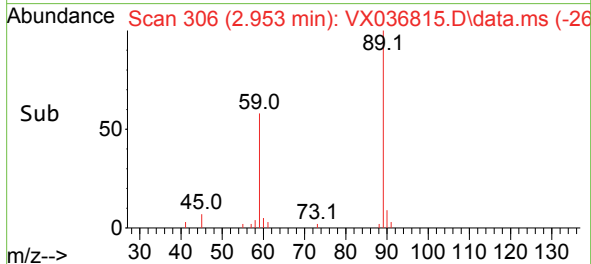
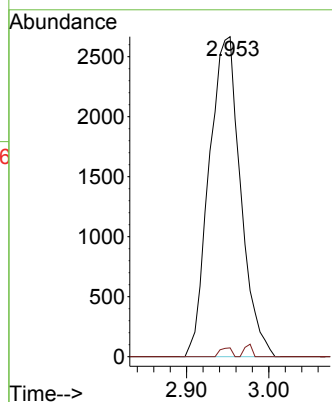
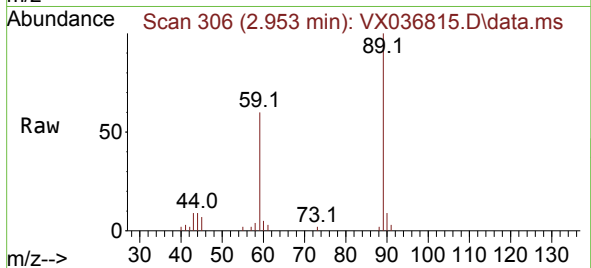




#11
Tert butyl alcohol
Concen: 15.825 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

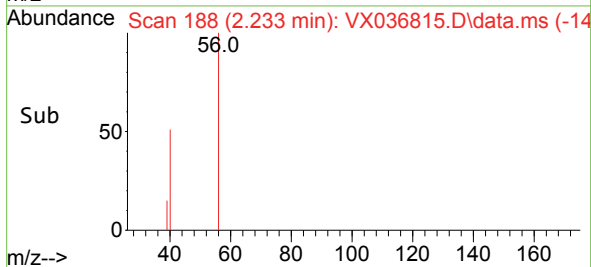
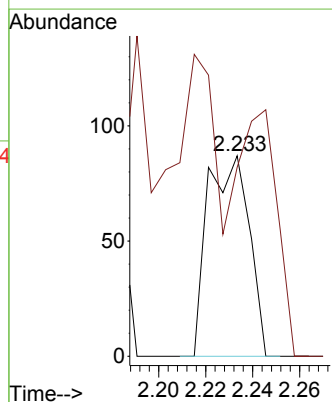
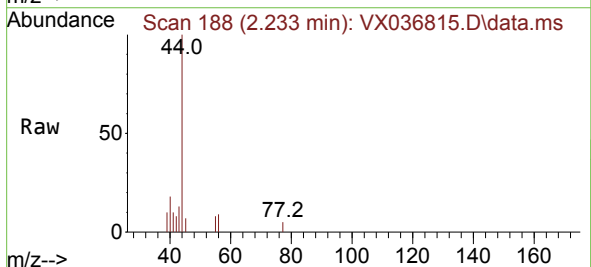
Instrument :
MSVOA_X
ClientSampleId :
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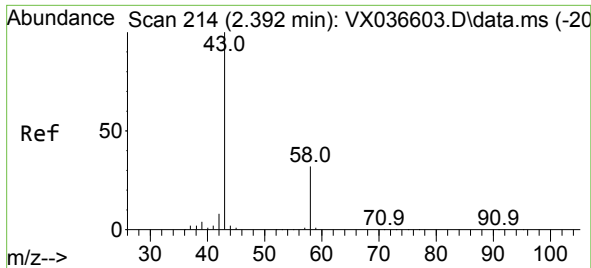
Tgt Ion: 59 Resp: 7089
Ion Ratio Lower Upper
59 100
57 1.0 6.0 9.0#



#13
Acrolein
Concen: 0.415 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

Tgt Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
55 91.5 57.1 85.7#

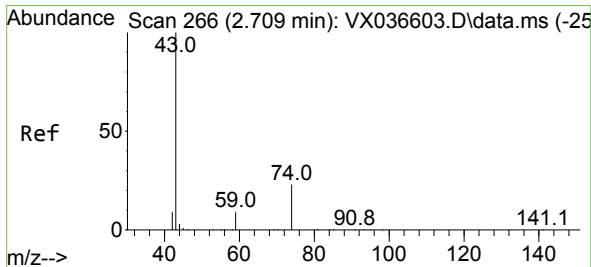
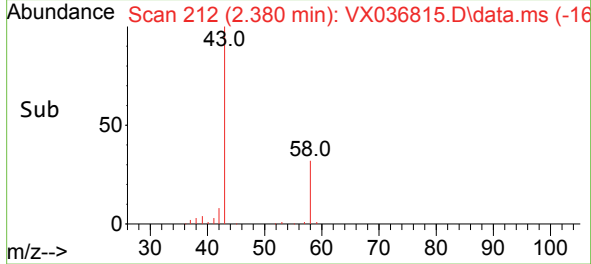
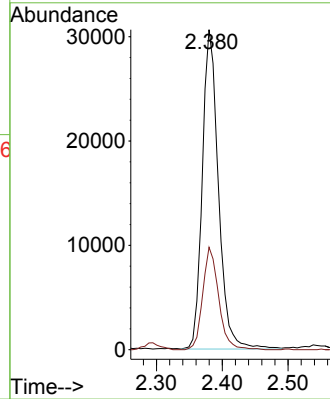
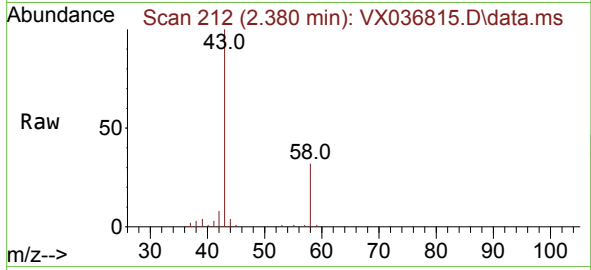




#16
Acetone
Concen: 66.560 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

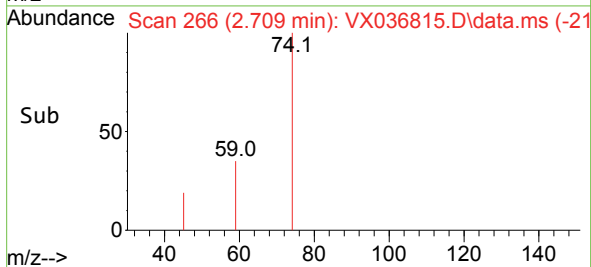
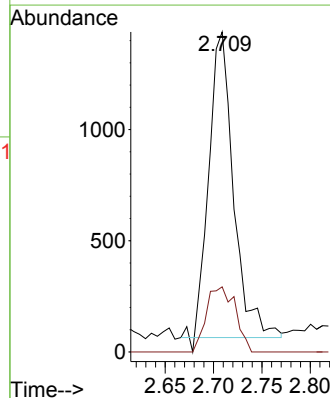
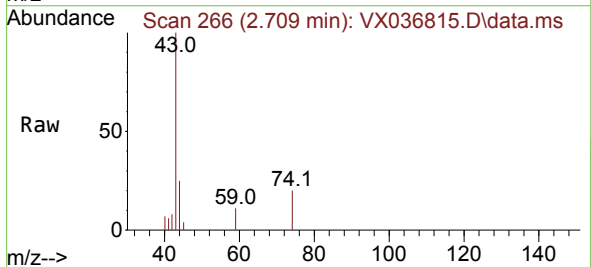
Instrument :
MSVOA_X
ClientSampleId :
PB154625TB

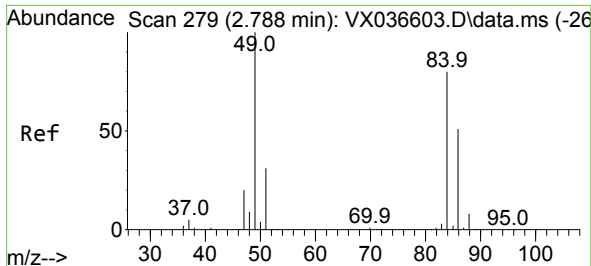
Tgt Ion: 43 Resp: 52261
Ion Ratio Lower Upper
43 100
58 32.0 21.9 32.9



#18
Methyl Acetate
Concen: 0.739 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

Tgt Ion: 43 Resp: 2440
Ion Ratio Lower Upper
43 100
74 25.0 17.8 26.8





#20

Methylene Chloride

Concen: 4.880 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX036815.D

Acq: 04 Aug 2023 17:07

Instrument :

MSVOA_X

ClientSampleId :

PB154625TB

Tgt Ion: 84 Resp: 8521

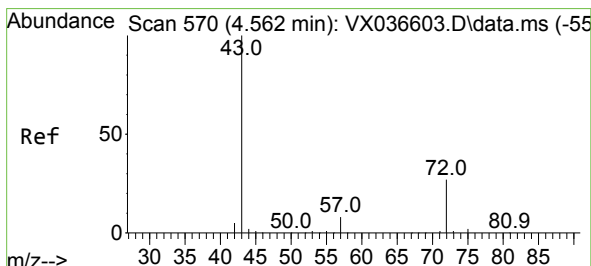
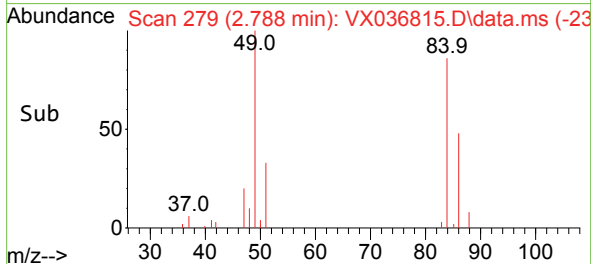
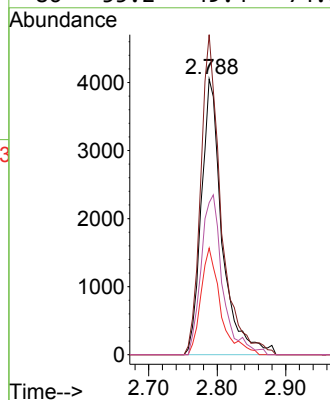
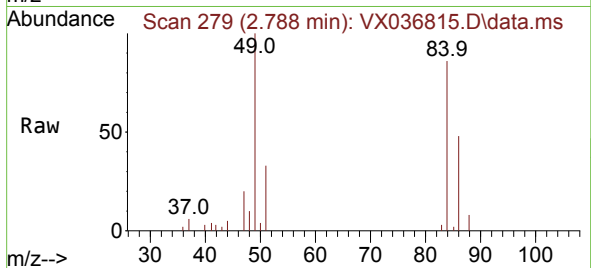
Ion Ratio Lower Upper

84 100

49 116.1 103.6 155.4

51 38.7 33.8 50.6

86 55.2 49.4 74.0



#25

2-Butanone

Concen: 23.025 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.000 min

Lab File: VX036815.D

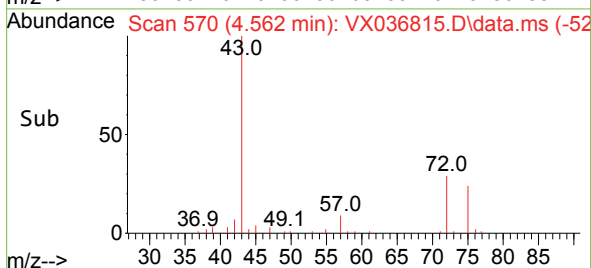
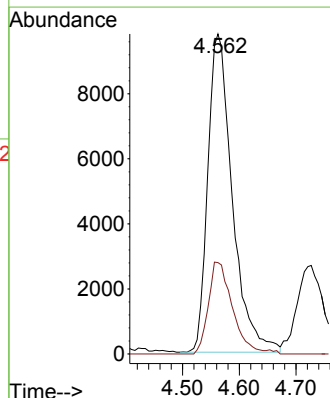
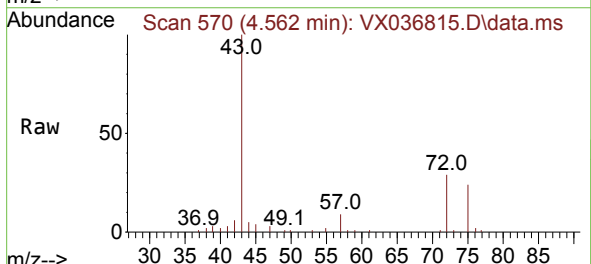
Acq: 04 Aug 2023 17:07

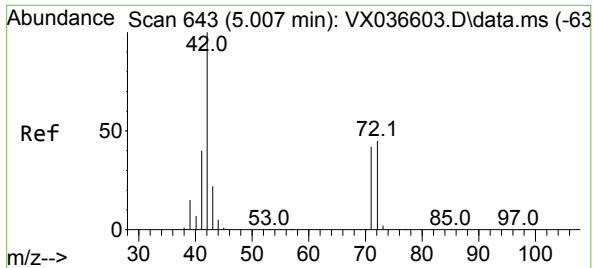
Tgt Ion: 43 Resp: 29331

Ion Ratio Lower Upper

43 100

72 28.7 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.446 ug/l

RT: 5.019 min Scan# 643

Delta R.T. 0.012 min

Lab File: VX036815.D

Acq: 04 Aug 2023 17:07

Instrument :

MSVOA_X

ClientSampleId :

PB154625TB

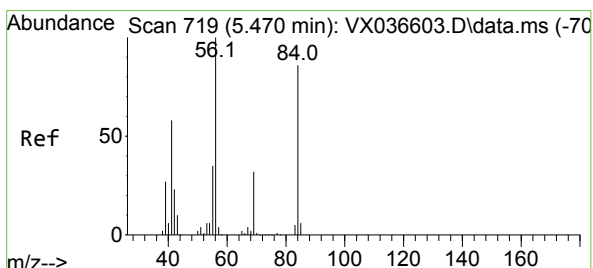
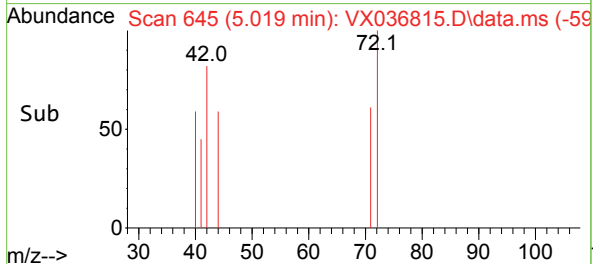
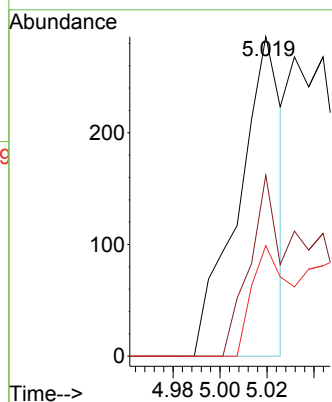
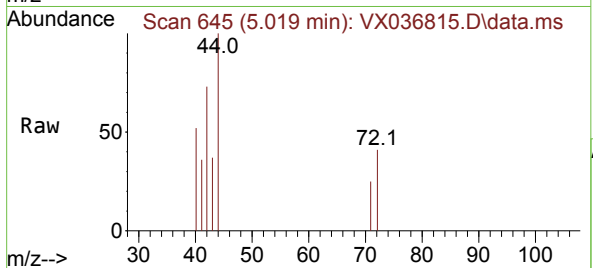
Tgt Ion: 42 Resp: 366

Ion Ratio Lower Upper

42 100

72 92.3 34.2 51.4#

71 29.5 32.2 48.2#



#31

Cyclohexane

Concen: 1.124 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX036815.D

Acq: 04 Aug 2023 17:07

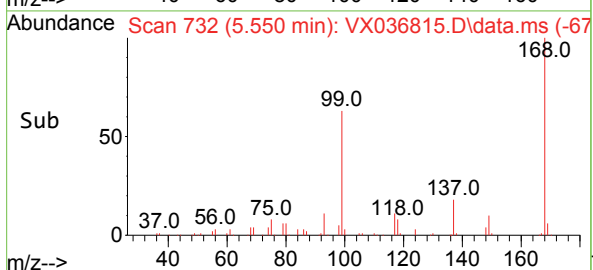
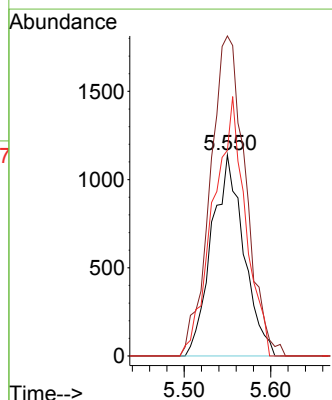
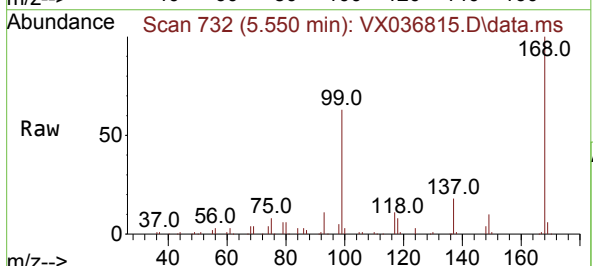
Tgt Ion: 56 Resp: 2944

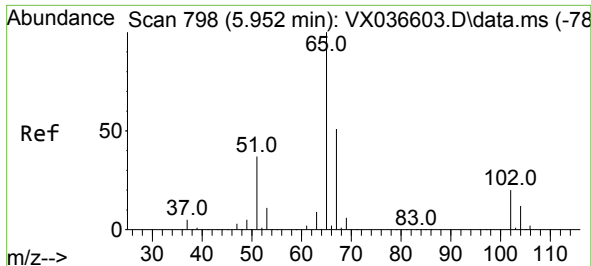
Ion Ratio Lower Upper

56 100

69 159.3 23.4 35.2#

84 102.4 65.9 98.9#

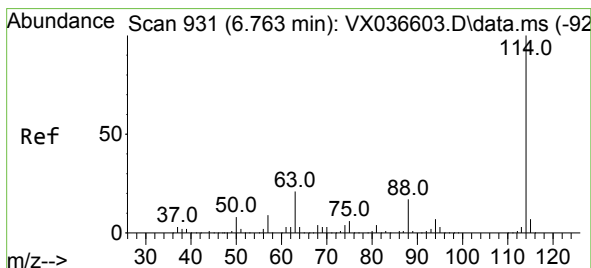
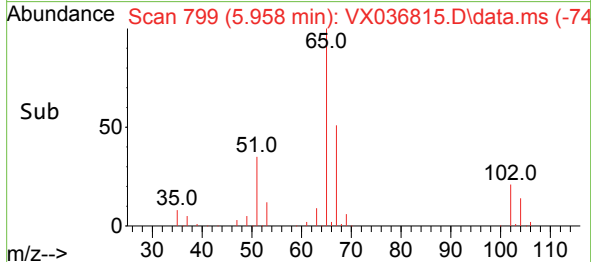
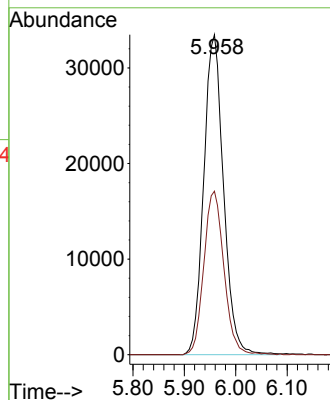
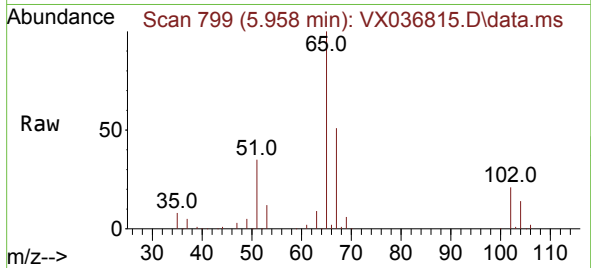




#33
 1,2-Dichloroethane-d4
 Concen: 47.207 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX036815.D
 Acq: 04 Aug 2023 17:07

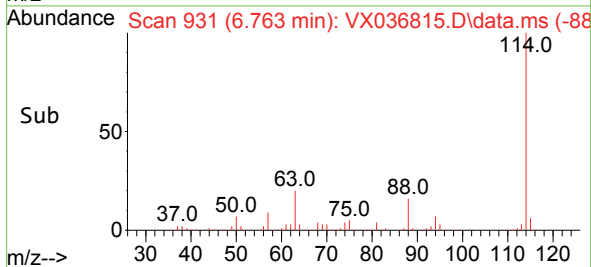
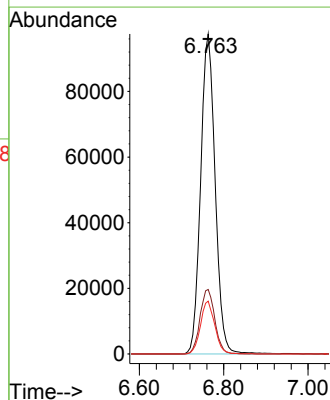
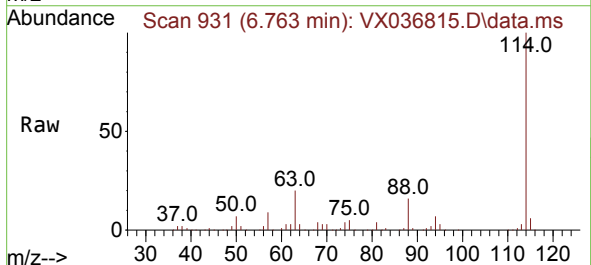
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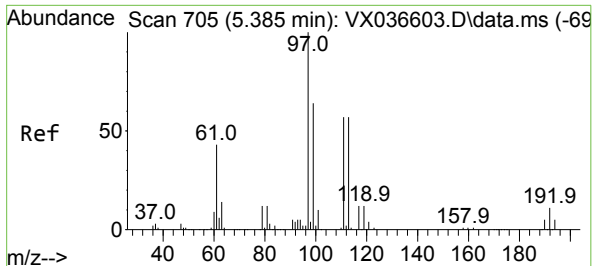
Tgt Ion: 65 Resp: 89323
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX036815.D
 Acq: 04 Aug 2023 17:07

Tgt Ion: 114 Resp: 233955
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 45.0
 88 16.5 0.0 36.6

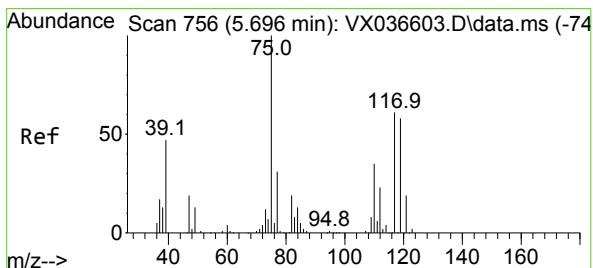
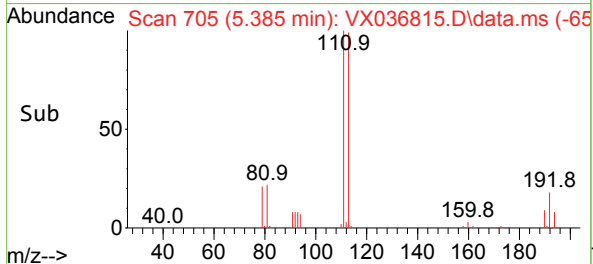
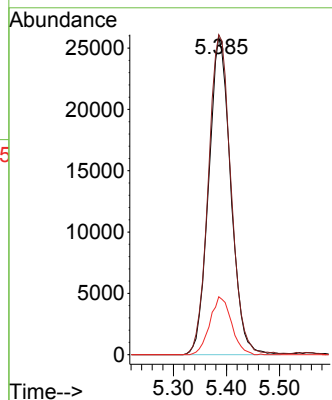
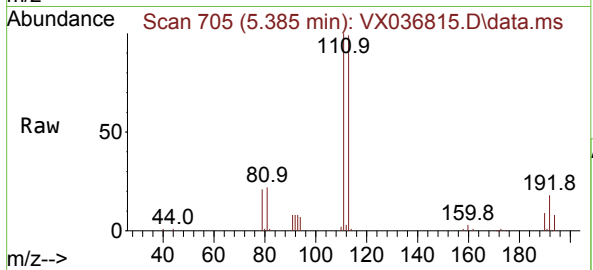




#35
Dibromofluoromethane
Concen: 46.378 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

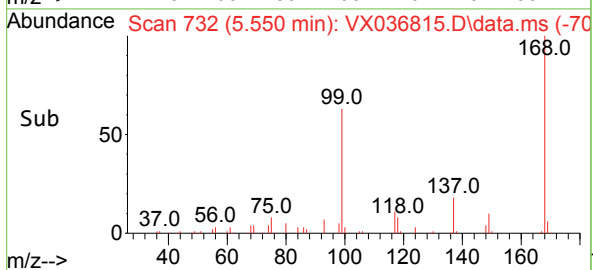
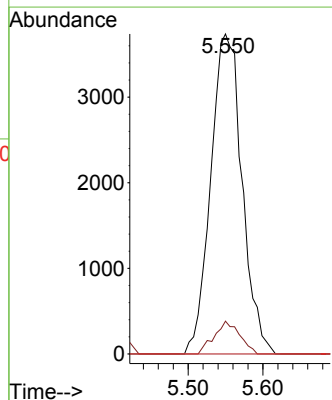
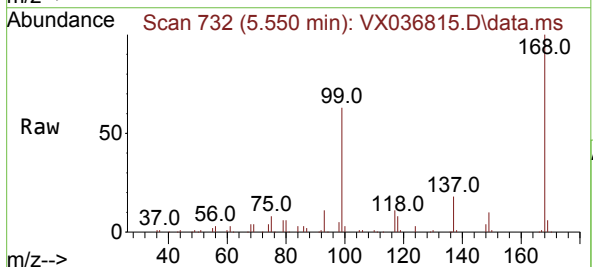
Instrument :
MSVOA_X
ClientSampleId :
PB154625TB

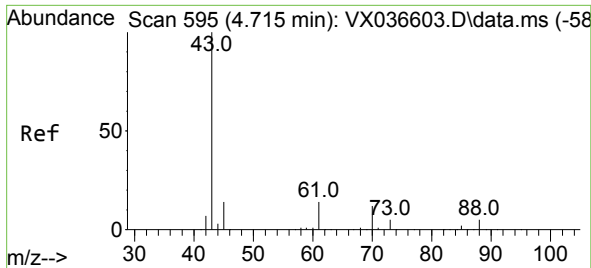
Tgt Ion:113 Resp: 74580
Ion Ratio Lower Upper
113 100
111 103.6 82.9 124.3
192 17.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.546 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

Tgt Ion: 75 Resp: 10897
Ion Ratio Lower Upper
75 100
110 8.4 17.0 50.9#
77 0.0 24.7 37.1#

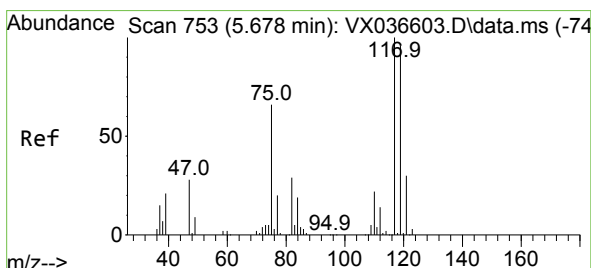
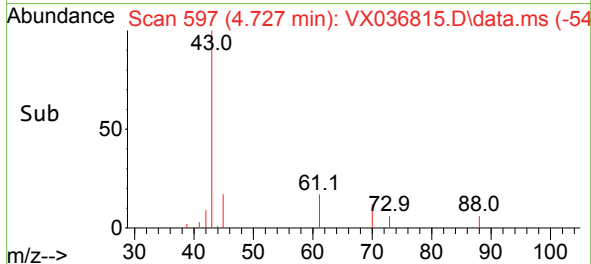
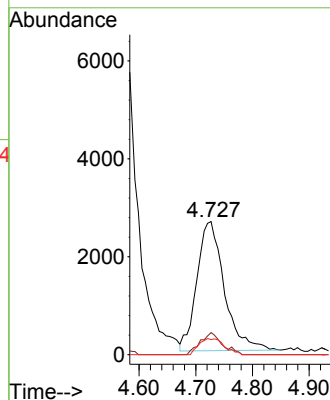
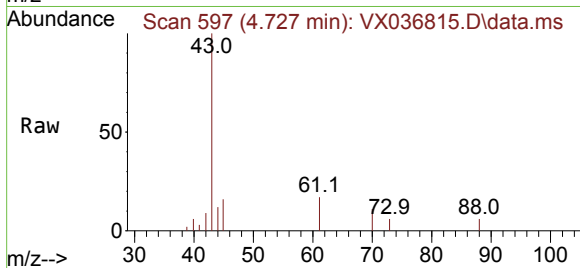




#37
Ethyl Acetate
Concen: 3.271 ug/l
RT: 4.727 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

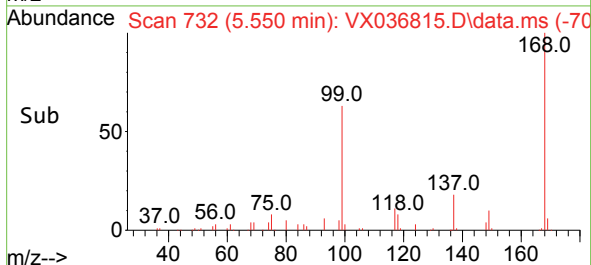
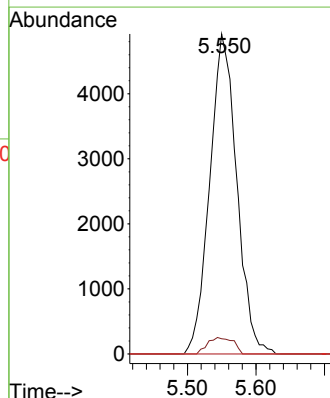
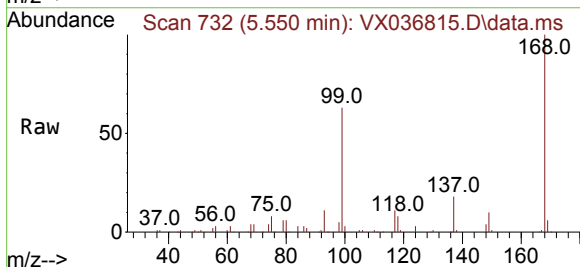
Instrument :
MSVOA_X
ClientSampleId :
PB154625TB

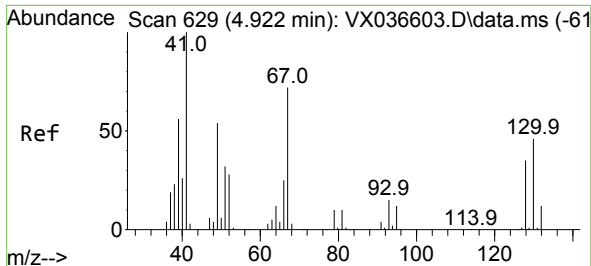
Tgt Ion: 43	Resp: 8874	
Ion Ratio	Lower	Upper
43	100	
61	13.7	10.6 16.0
70	11.4	8.3 12.5



#38
Carbon Tetrachloride
Concen: 5.282 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

Tgt Ion:117	Resp:	13460	
Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.2	117.2#
121	0.0	24.4	36.6#

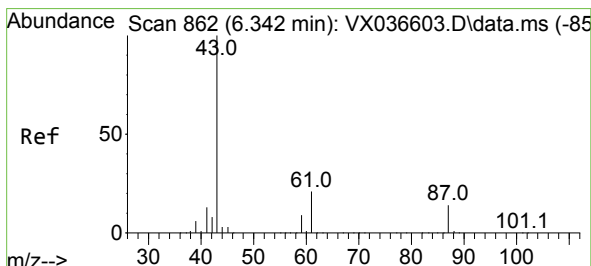
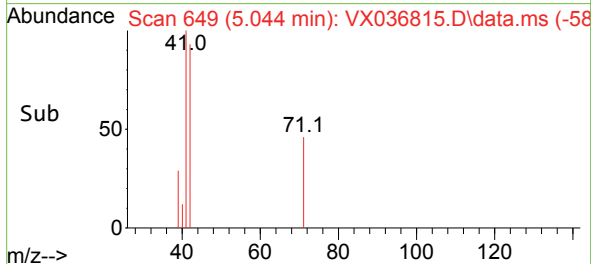
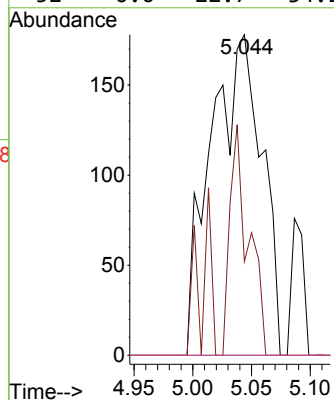
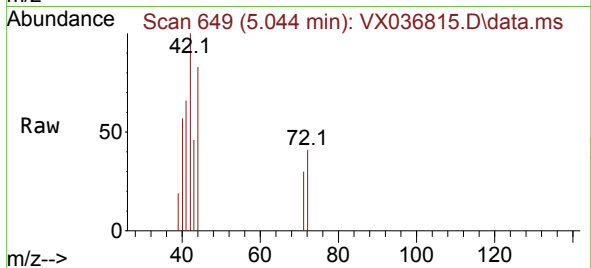




#41
Methacrylonitrile
Concen: 0.371 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

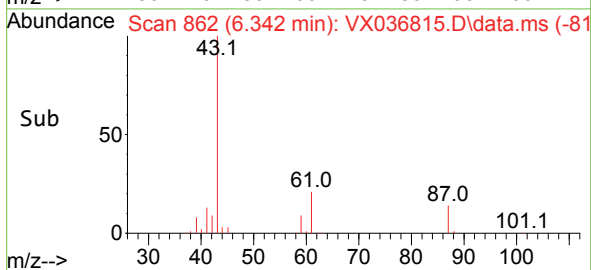
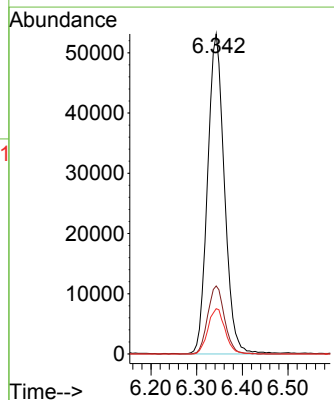
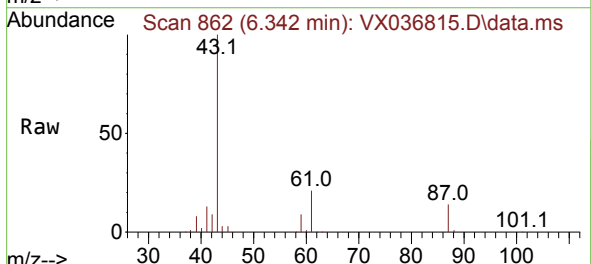
Instrument :
MSVOA_X
ClientSampleId :
PB154625TB

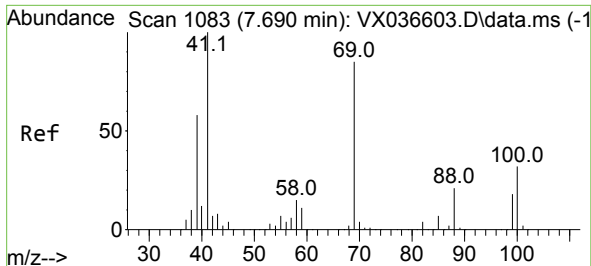
Tgt Ion:	41	Resp:	539
Ion	Ratio	Lower	Upper
41	100		
39	26.2	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 29.098 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

Tgt Ion:	43	Resp:	135882
Ion	Ratio	Lower	Upper
43	100		
61	21.2	15.2	22.8
87	14.3	9.8	14.6

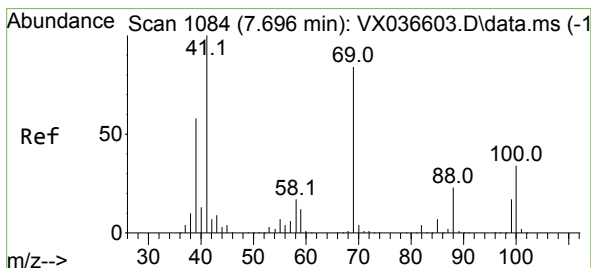
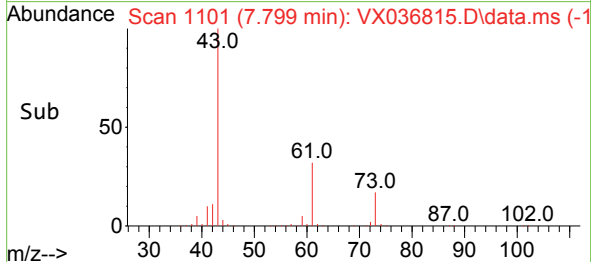
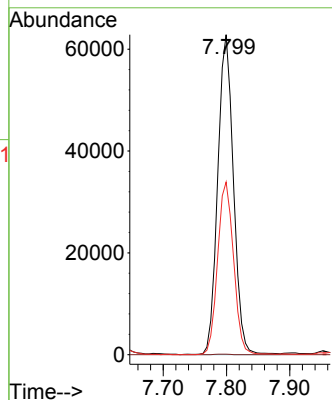
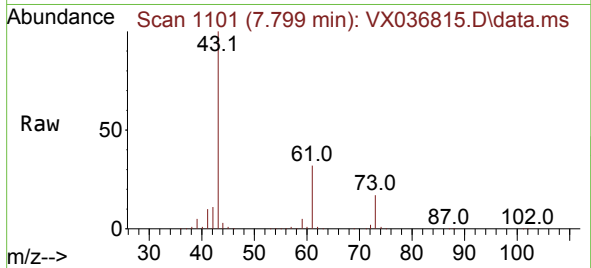




#48
Methyl methacrylate
Concen: 49.790 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

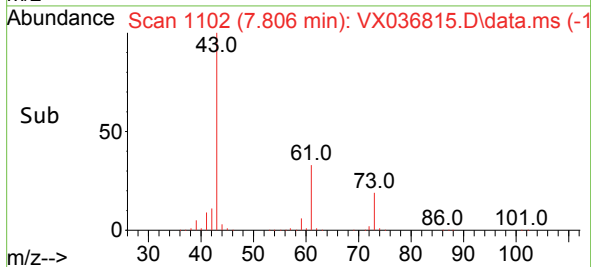
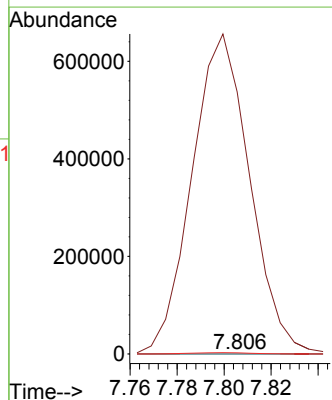
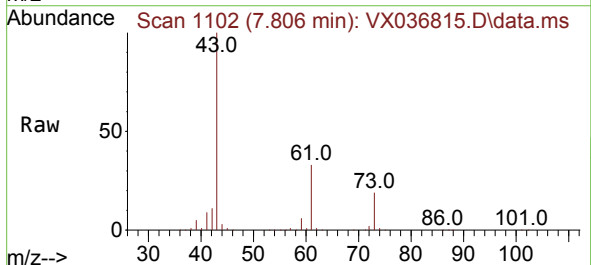
Instrument :
MSVOA_X
ClientSampleId :
PB154625TB

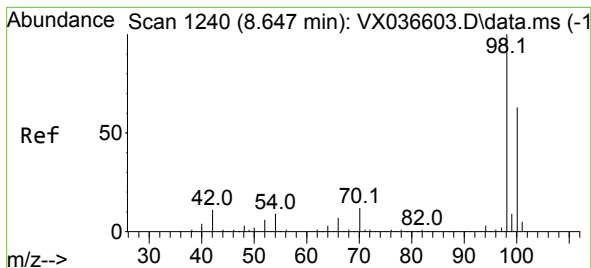
Tgt Ion: 41 Resp: 108131
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 54.8 47.7 71.5



#49
1,4-Dioxane
Concen: 3.077 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.110 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

Tgt Ion: 88 Resp: 135
Ion Ratio Lower Upper
88 100
43 839064.4 0.0 0.0#
58 3406.7 60.1 90.1#





#50

Toluene-d8

Concen: 49.930 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036815.D

Acq: 04 Aug 2023 17:07

Instrument :

MSVOA_X

ClientSampleId :

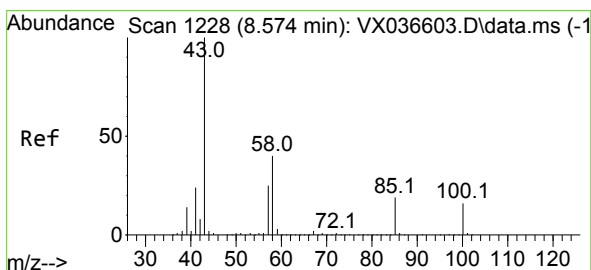
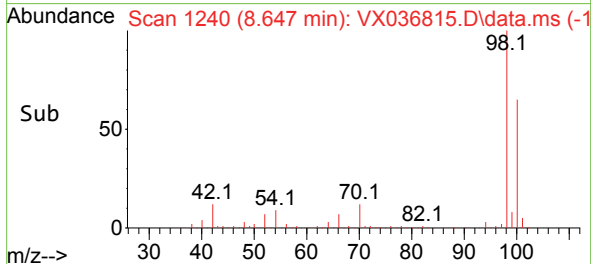
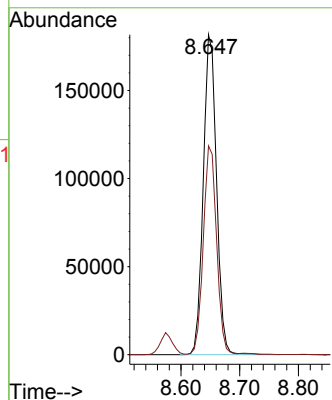
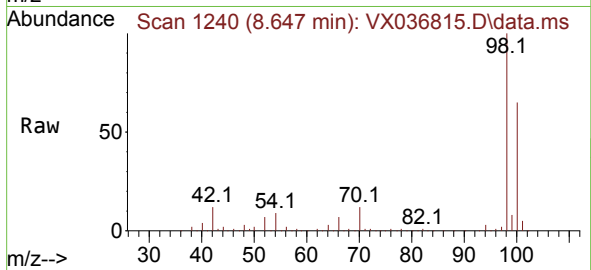
PB154625TB

Tgt Ion: 98 Resp: 284732

Ion Ratio Lower Upper

98 100

100 65.0 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 42.488 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX036815.D

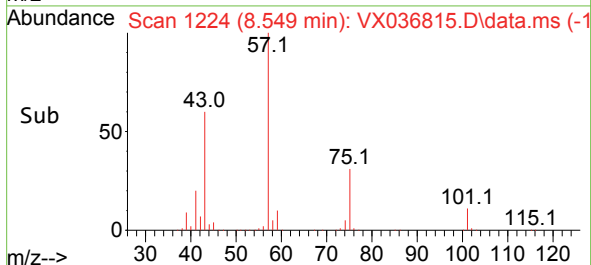
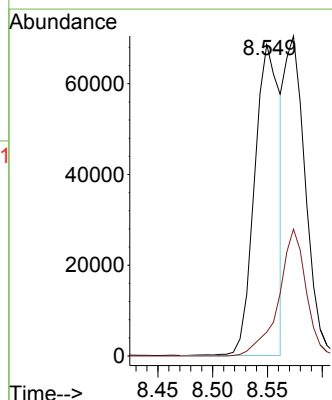
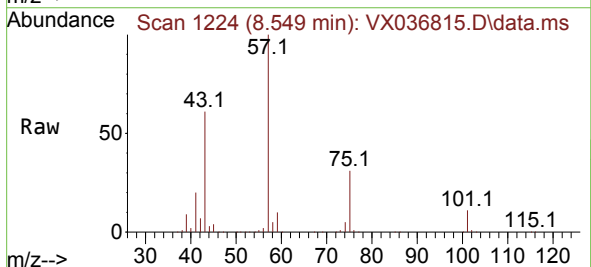
Acq: 04 Aug 2023 17:07

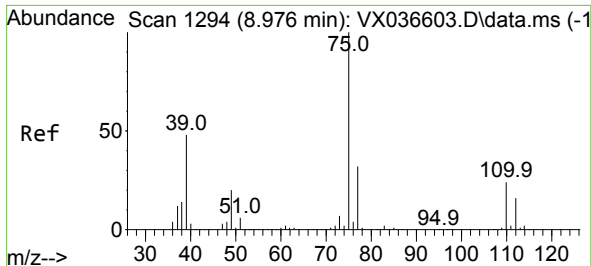
Tgt Ion: 43 Resp: 109799

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#





#53

t-1,3-Dichloropropene

Concen: 0.293 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX036815.D

Acq: 04 Aug 2023 17:07

Instrument :

MSVOA_X

ClientSampleId :

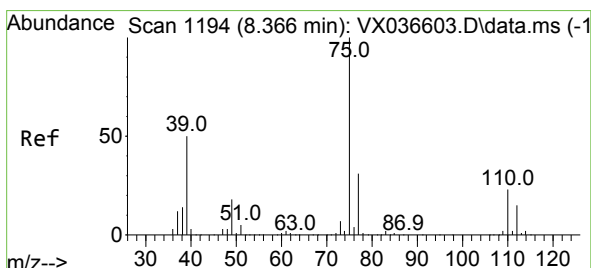
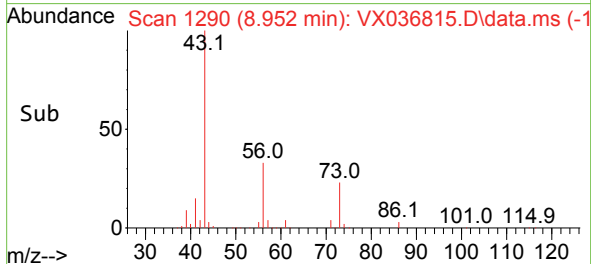
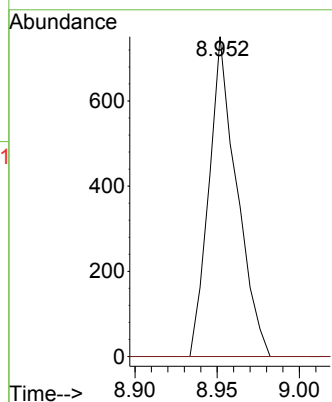
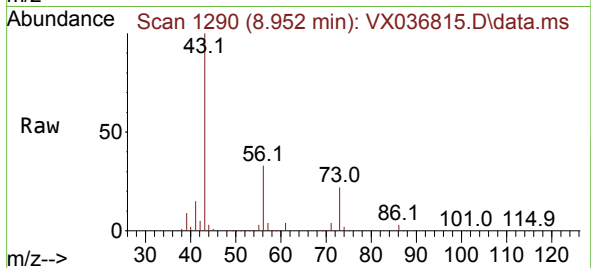
PB154625TB

Tgt Ion: 75 Resp: 885

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#



#54

cis-1,3-Dichloropropene

Concen: 15.930 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX036815.D

Acq: 04 Aug 2023 17:07

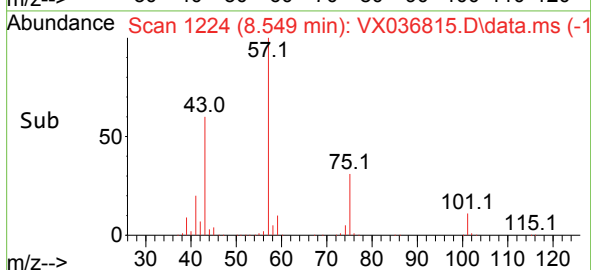
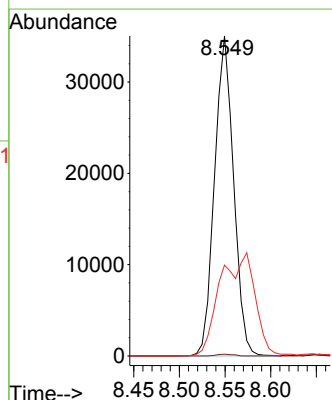
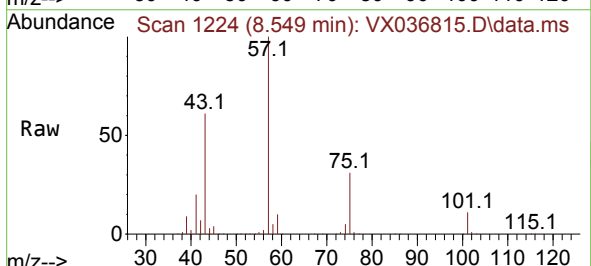
Tgt Ion: 75 Resp: 50817

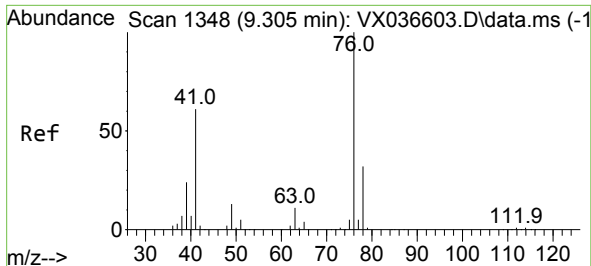
Ion Ratio Lower Upper

75 100

77 0.5 25.3 37.9#

39 28.4 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.948 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036815.D

Acq: 04 Aug 2023 17:07

Instrument :

MSVOA_X

ClientSampleId :

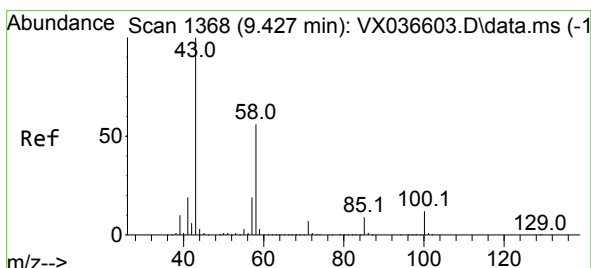
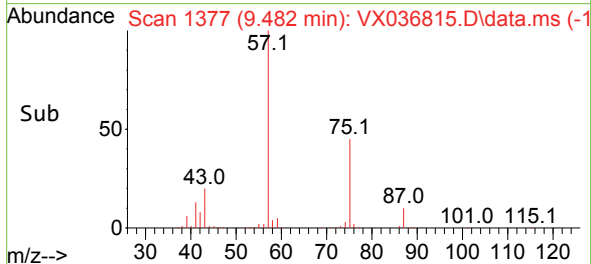
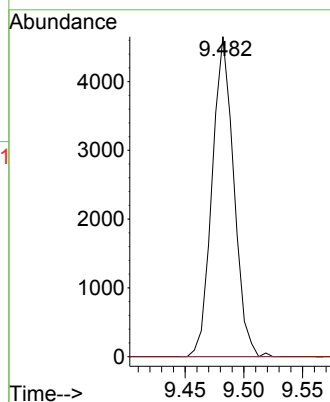
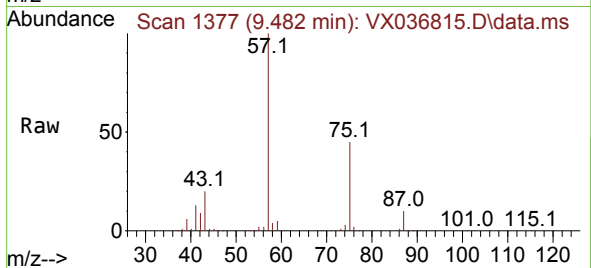
PB154625TB

Tgt Ion: 76 Resp: 5959

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 62.265 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX036815.D

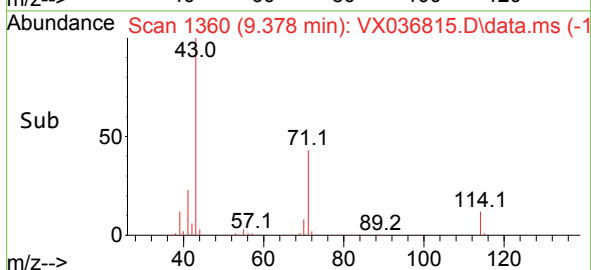
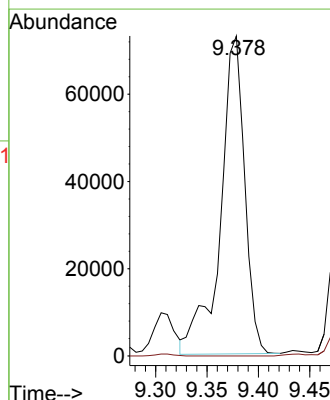
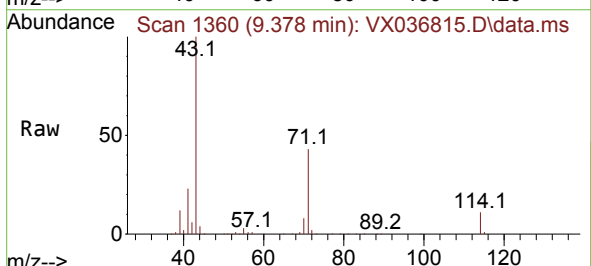
Acq: 04 Aug 2023 17:07

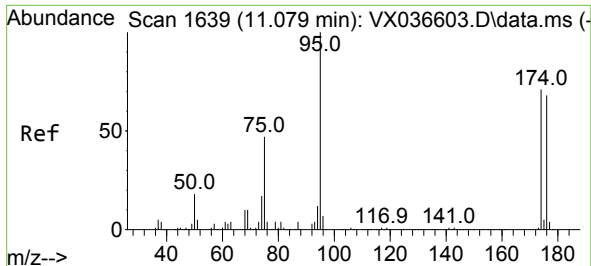
Tgt Ion: 43 Resp: 119419

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

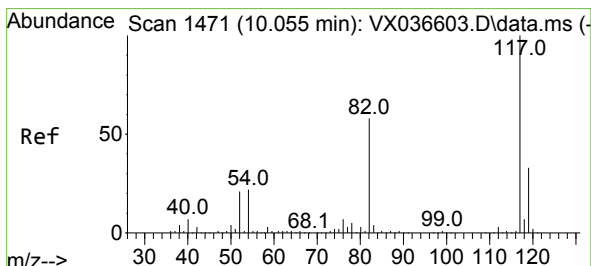
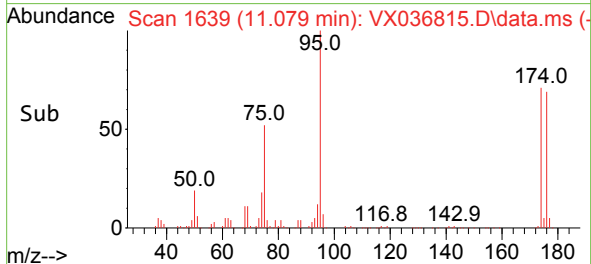
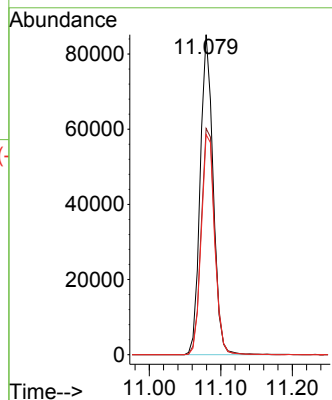
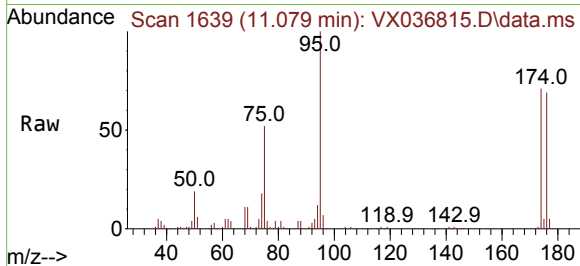




#62
4-Bromofluorobenzene
Concen: 49.654 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

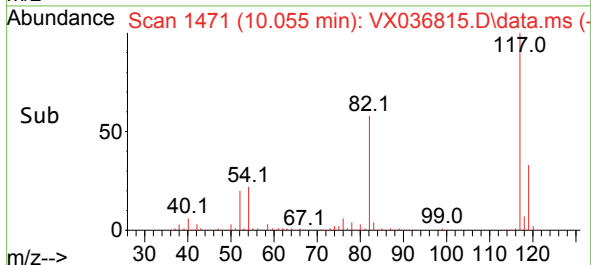
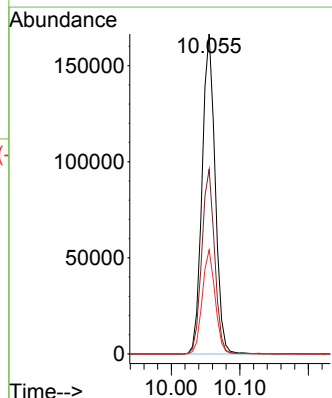
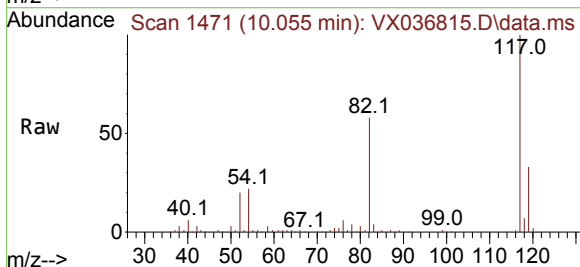
Instrument :
MSVOA_X
ClientSampleId :
PB154625TB

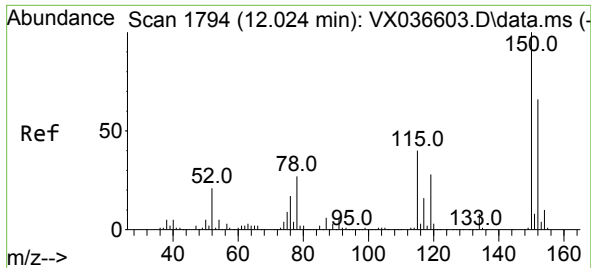
Tgt Ion: 95 Resp: 106830
Ion Ratio Lower Upper
95 100
174 74.4 0.0 135.6
176 71.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

Tgt Ion: 117 Resp: 221350
Ion Ratio Lower Upper
117 100
82 57.7 46.2 69.4
119 32.6 25.5 38.3

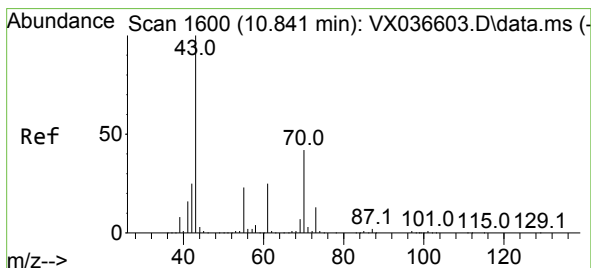
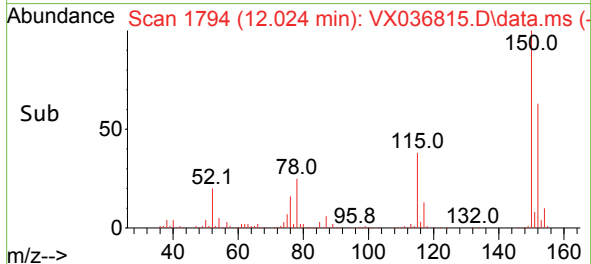
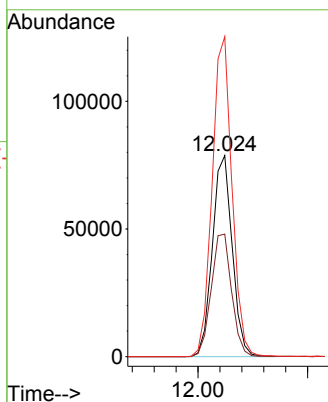
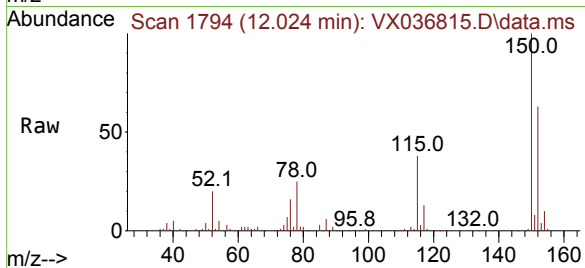




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

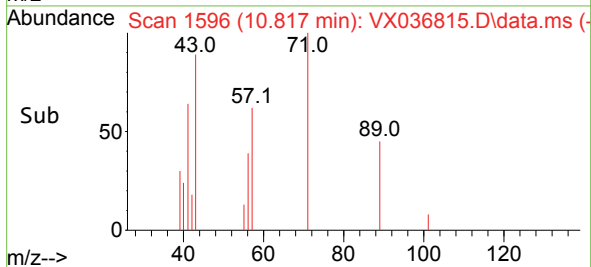
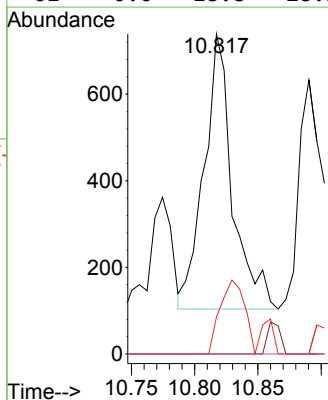
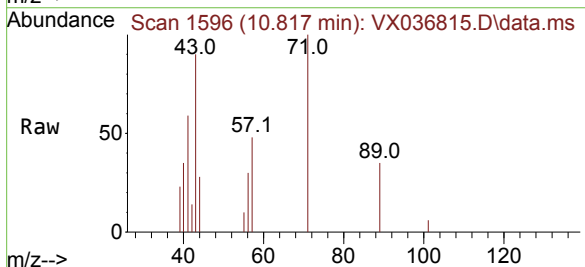
Instrument :
MSVOA_X
ClientSampleId :
PB154625TB

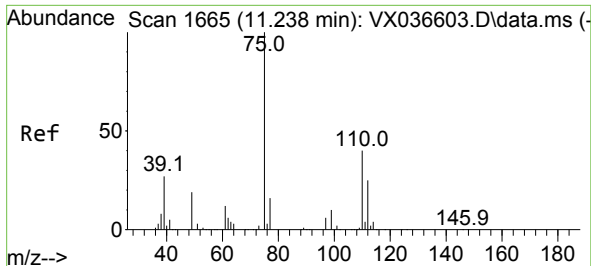
Tgt Ion:152 Resp: 99227
Ion Ratio Lower Upper
152 100
115 62.8 43.3 129.9
150 158.5 0.0 345.0



#74
N-ethyl acetate
Concen: 0.259 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

Tgt Ion: 43 Resp: 990
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 23.2 19.3 28.9
61 0.0 18.8 28.2#

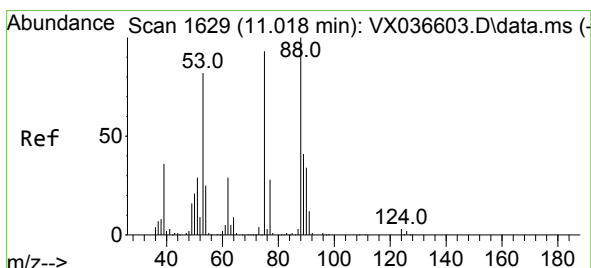
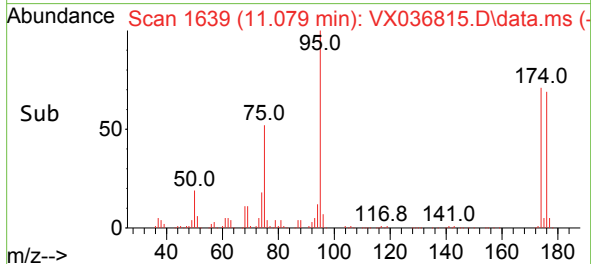
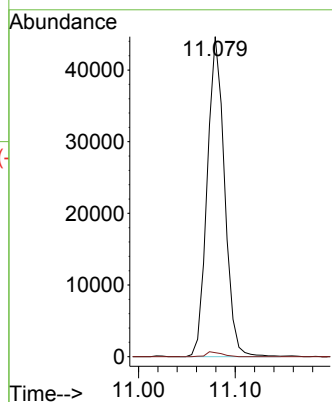
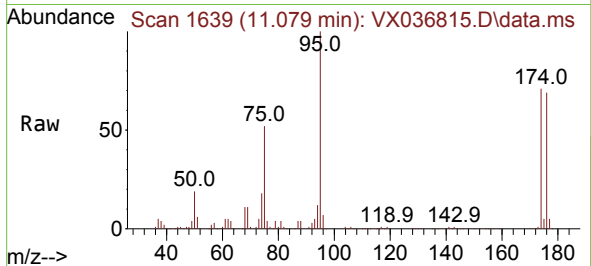




#76
1,2,3-Trichloropropane
Concen: 23.921 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

Instrument :
MSVOA_X
ClientSampleId :
PB154625TB

Tgt Ion: 75 Resp: 55831
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.219 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036815.D
Acq: 04 Aug 2023 17:07

Tgt Ion: 75 Resp: 55831
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

