

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036216.D
 Acq On : 19 Jun 2023 19:12
 Operator : JC/MD
 Sample : PB153531ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153531ZHE#04

Quant Time: Jun 20 03:47:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 16:28:40 2023
 Response via : Initial Calibration

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

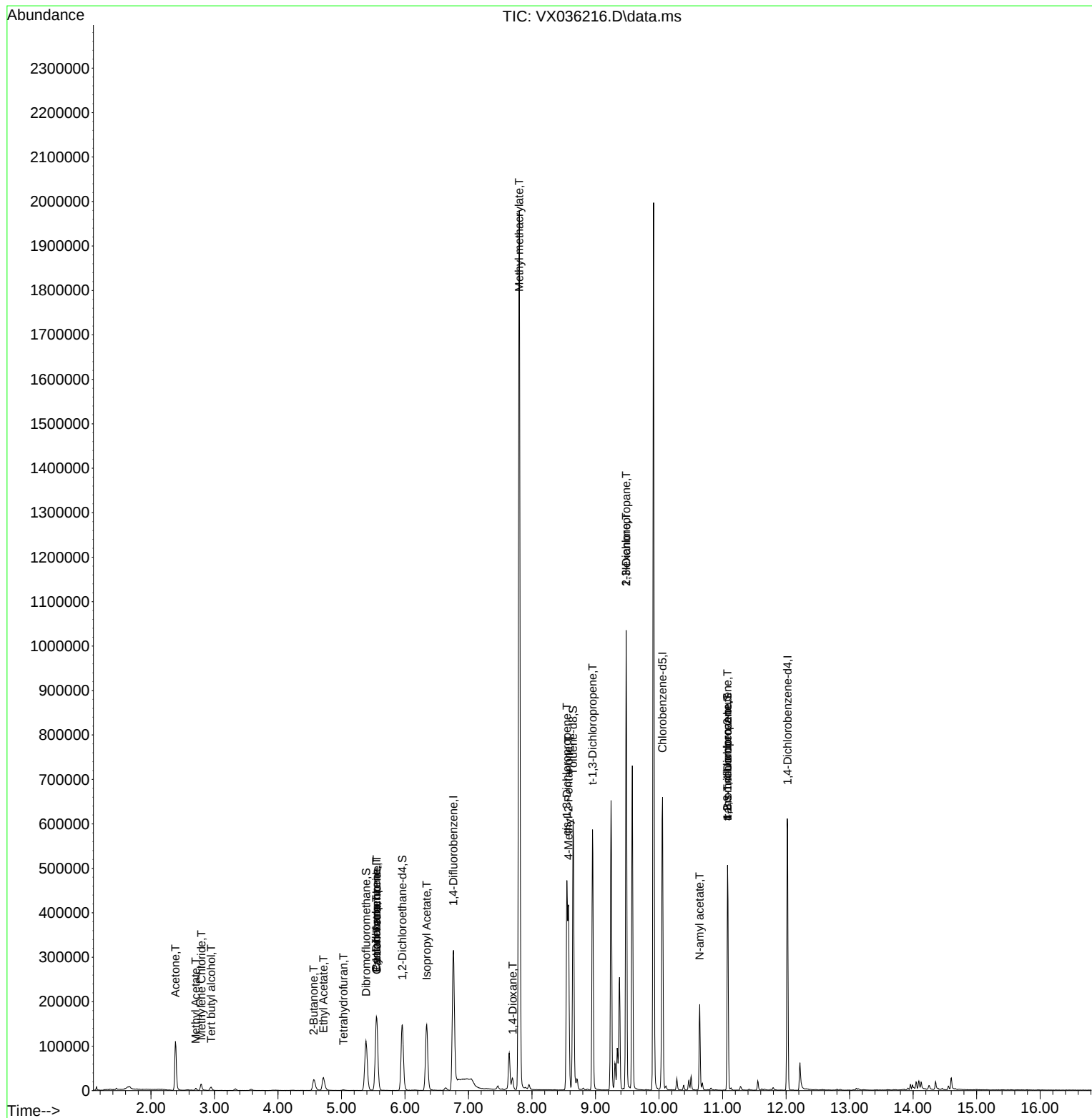
Internal Standards						
1) Pentafluorobenzene	5.550	168	139235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	283392	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	262691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	153778	60.437	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	120.880%#
35) Dibromofluoromethane	5.385	113	96008	49.959	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.920%
50) Toluene-d8	8.647	98	337153	47.962	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.920%
62) 4-Bromofluorobenzene	11.079	95	132659	46.751	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.500%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	5171	13.293	ug/l #	78
16) Acetone	2.386	43	131569	124.459	ug/l	97
18) Methyl Acetate	2.703	43	5658	1.411	ug/l	95
20) Methylene Chloride	2.794	84	6772	3.536	ug/l	94
25) 2-Butanone	4.562	43	41080	27.757	ug/l	93
29) Tetrahydrofuran	5.031	42	1348	1.434	ug/l #	84
31) Cyclohexane	5.550	56	4184	1.533	ug/l #	26
36) 1,1-Dichloropropene	5.550	75	14258	5.037	ug/l #	51
37) Ethyl Acetate	4.714	43	52373	15.880	ug/l	99
38) Carbon Tetrachloride	5.556	117	17234	6.263	ug/l #	15
43) Isopropyl Acetate	6.342	43	206440	40.901	ug/l	98
48) Methyl methacrylate	7.799	41	185136	71.493	ug/l #	48
49) 1,4-Dioxane	7.696	88	21	0.484	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	384842	120.752	ug/l #	77
53) t-1,3-Dichloropropene	8.951	75	1079	0.362	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	64333	20.122	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	8069	2.204	ug/l #	42
59) 2-Hexanone	9.482	43	129897	54.823	ug/l #	50
74) N-amyl acetate	10.640	43	51486	13.250	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	75167	27.330	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	75167	95.662	ug/l #	5

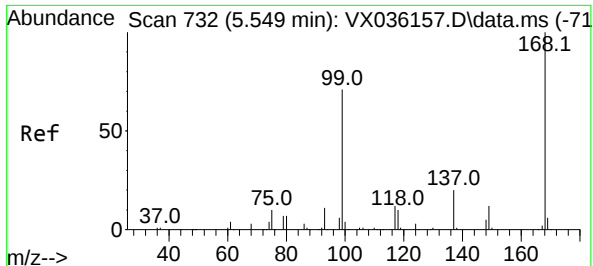
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Jun 20 03:47:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 16 16:28:40 2023
Response via : Initial Calibration

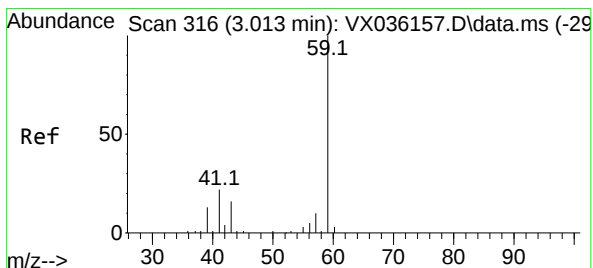
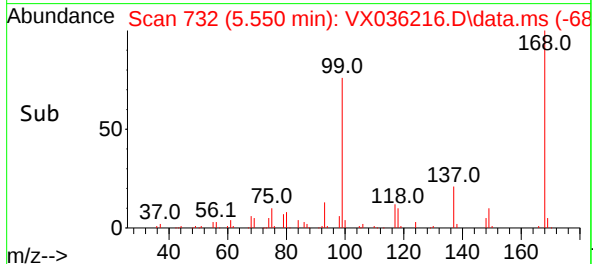
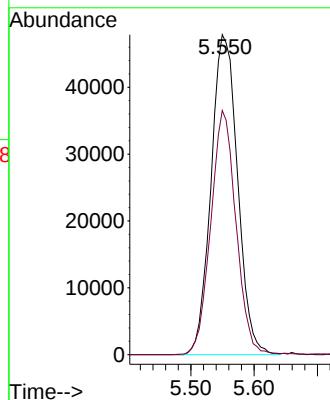
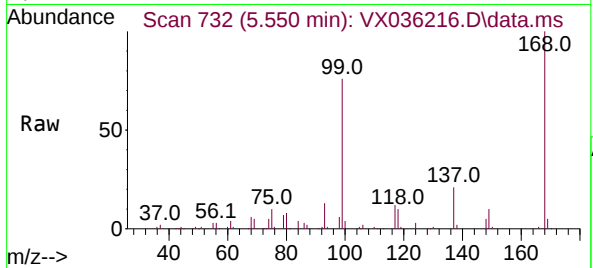




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036216.D
Acq: 19 Jun 2023 19:12

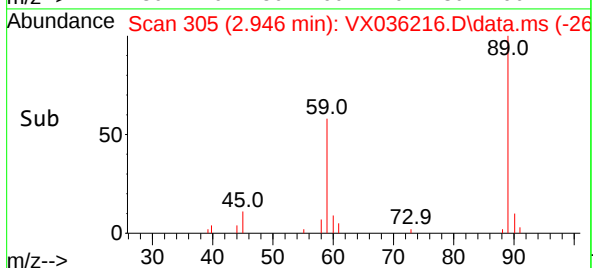
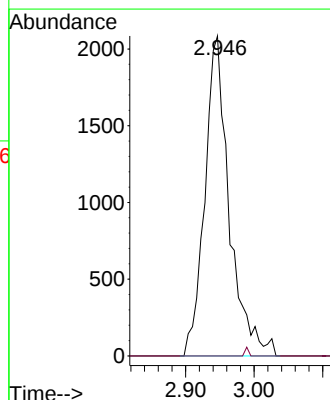
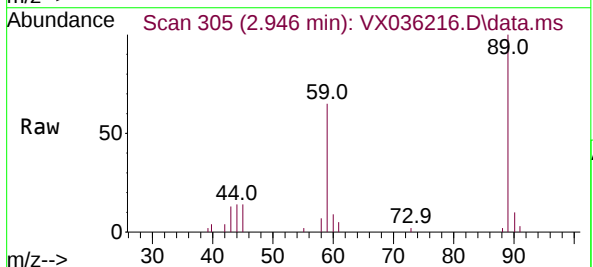
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#04

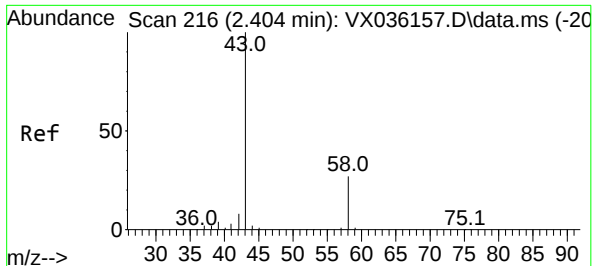
Tgt Ion:168 Resp: 139235
Ion Ratio Lower Upper
168 100
99 76.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 13.293 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.067 min
Lab File: VX036216.D
Acq: 19 Jun 2023 19:12

Tgt Ion: 59 Resp: 5171
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

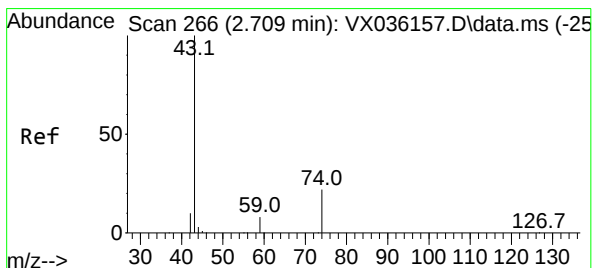
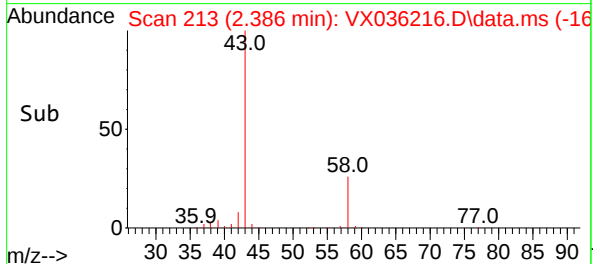
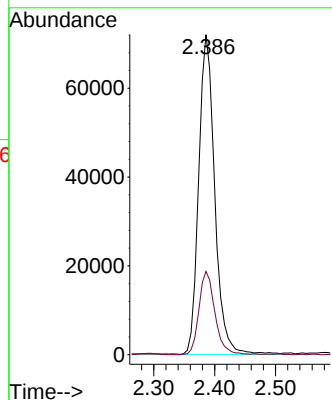
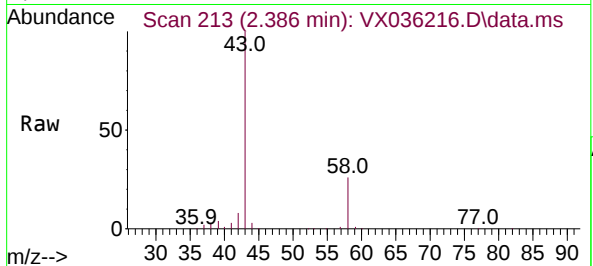




#16
Acetone
Concen: 124.459 ug/l
RT: 2.386 min Scan# 216
Delta R.T. -0.018 min
Lab File: VX036216.D
Acq: 19 Jun 2023 19:12

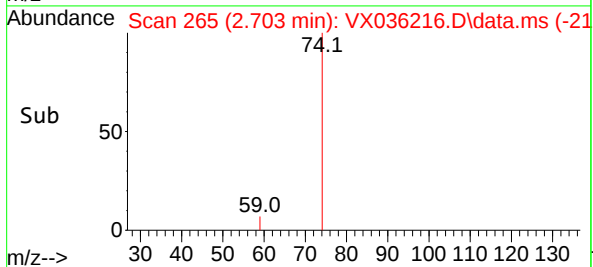
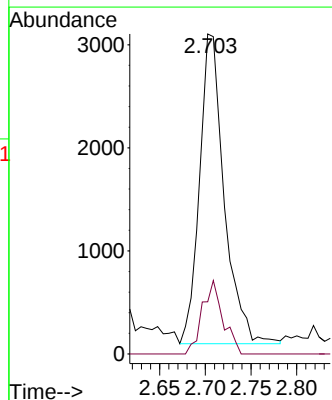
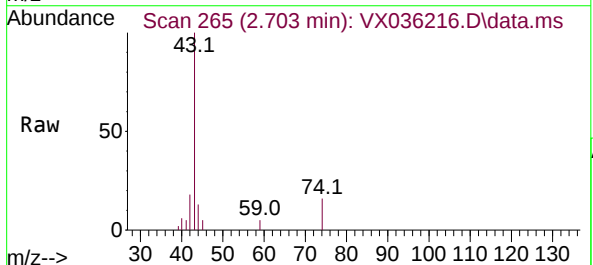
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#04

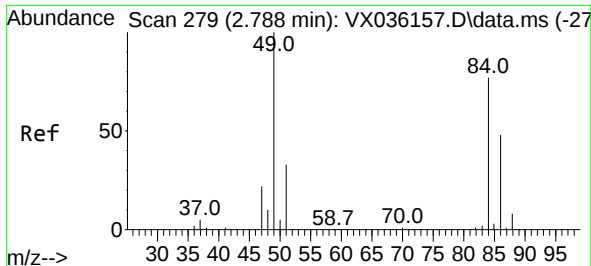
Tgt Ion: 43 Resp: 131569
Ion Ratio Lower Upper
43 100
58 26.0 21.9 32.9



#18
Methyl Acetate
Concen: 1.411 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX036216.D
Acq: 19 Jun 2023 19:12

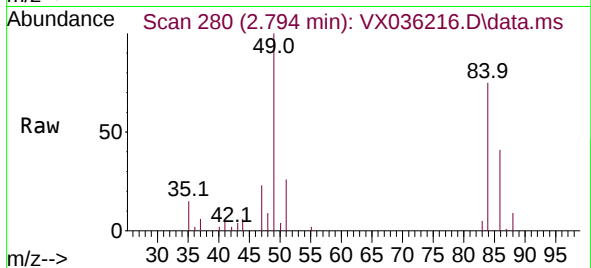
Tgt Ion: 43 Resp: 5658
Ion Ratio Lower Upper
43 100
74 19.7 17.8 26.8



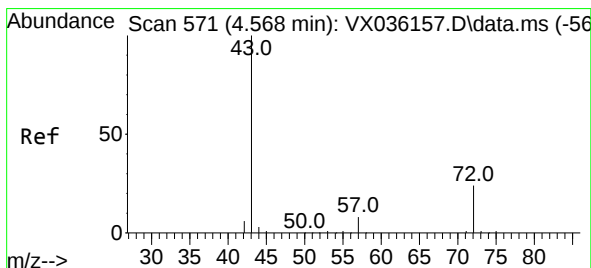
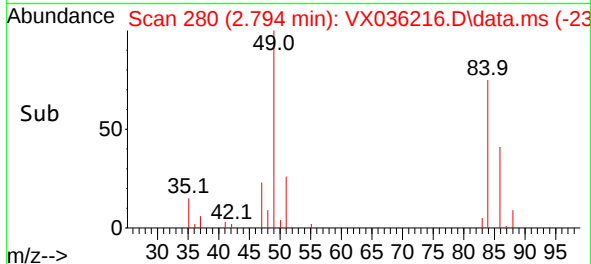
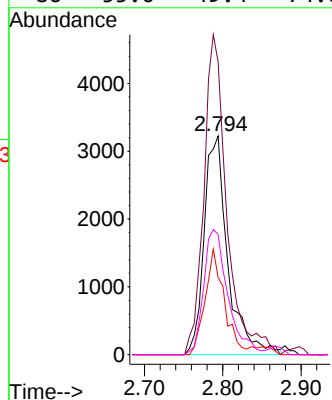


#20
Methylene Chloride
Concen: 3.536 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX036216.D
Acq: 19 Jun 2023 19:12

Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#04

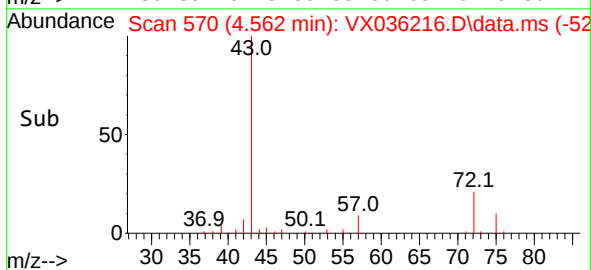
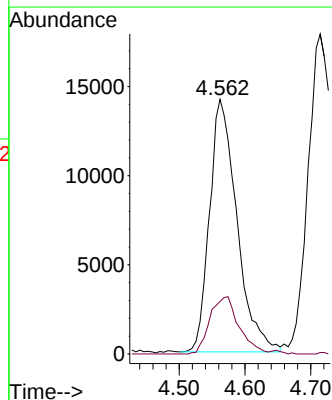
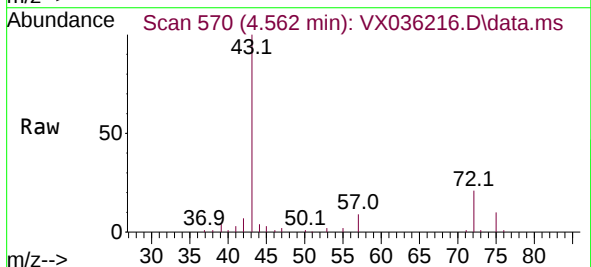


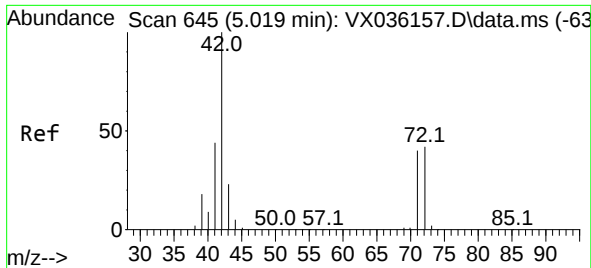
Tgt Ion:	84	Resp:	6772
Ion	Ratio	Lower	Upper
84	100		
49	133.9	103.6	155.4
51	35.2	33.8	50.6
86	55.0	49.4	74.0



#25
2-Butanone
Concen: 27.757 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.006 min
Lab File: VX036216.D
Acq: 19 Jun 2023 19:12

Tgt Ion:	43	Resp:	41080
Ion	Ratio	Lower	Upper
43	100		
72	20.8	19.4	29.2





#29

Tetrahydrofuran

Concen: 1.434 ug/l

RT: 5.031 min Scan# 645

Delta R.T. 0.012 min

Lab File: VX036216.D

Acq: 19 Jun 2023 19:12

Instrument :

MSVOA_X

ClientSampleId :

PB153531ZHE#04

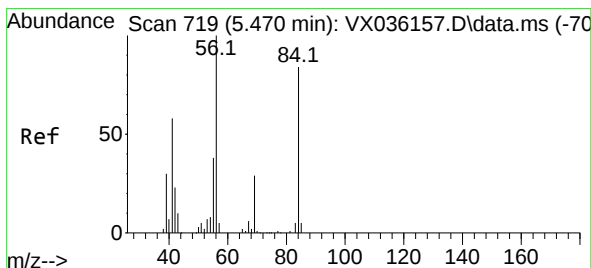
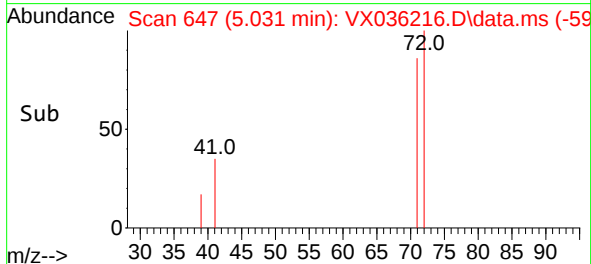
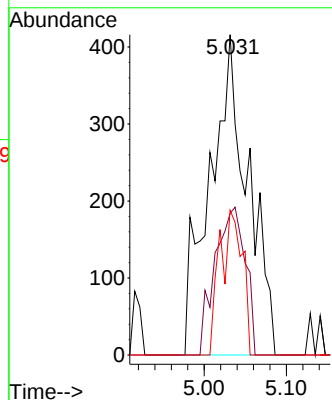
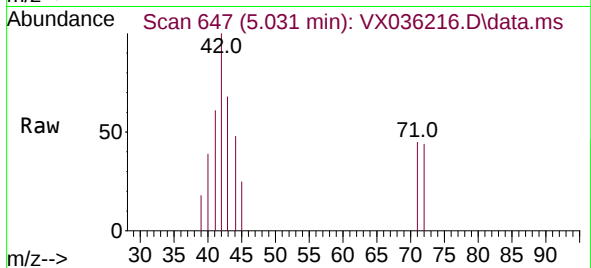
Tgt Ion: 42 Resp: 1348

Ion Ratio Lower Upper

42 100

72 36.5 34.2 51.4

71 26.6 32.2 48.2#



#31

Cyclohexane

Concen: 1.533 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX036216.D

Acq: 19 Jun 2023 19:12

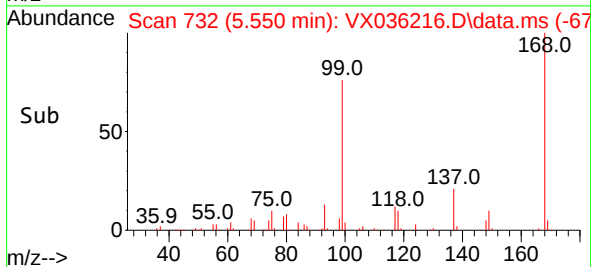
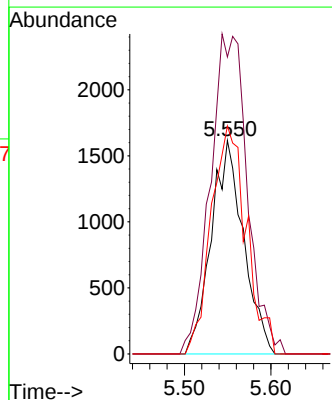
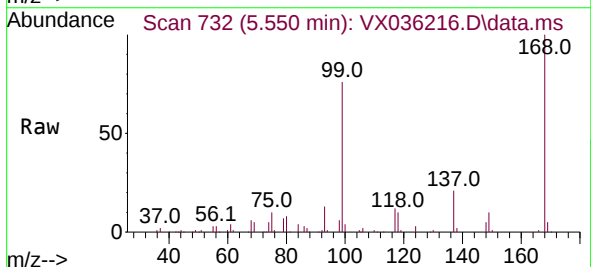
Tgt Ion: 56 Resp: 4184

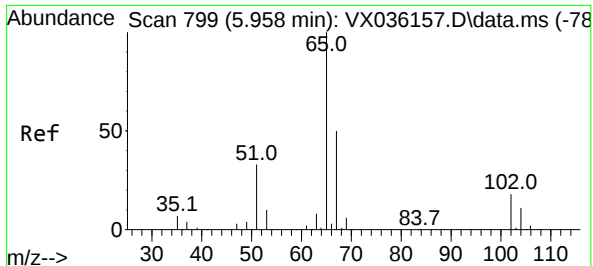
Ion Ratio Lower Upper

56 100

69 139.1 23.4 35.2#

84 106.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 60.437 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX036216.D

Acq: 19 Jun 2023 19:12

Instrument :

MSVOA_X

ClientSampleId :

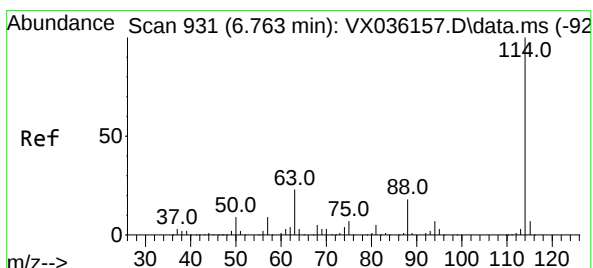
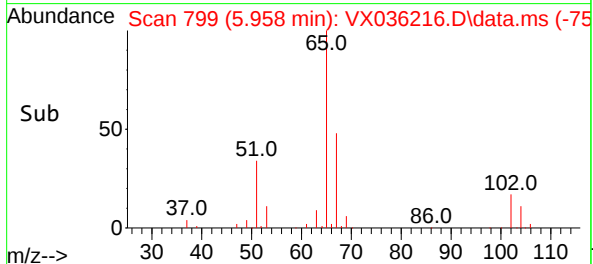
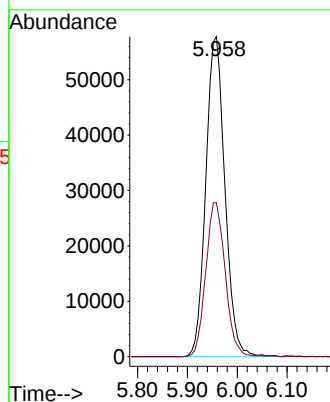
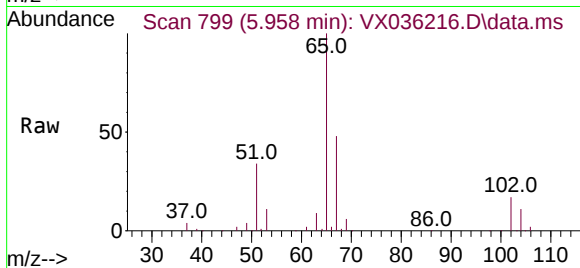
PB153531ZHE#04

Tgt Ion: 65 Resp: 153778

Ion Ratio Lower Upper

65 100

67 49.1 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: VX036216.D

Acq: 19 Jun 2023 19:12

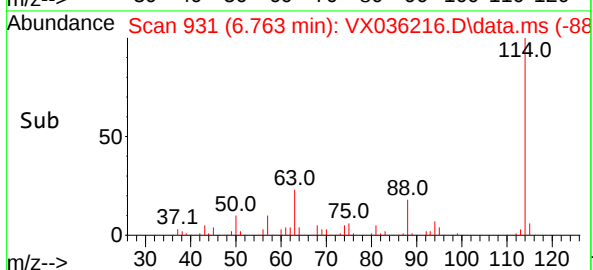
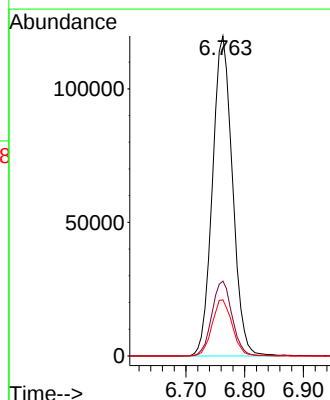
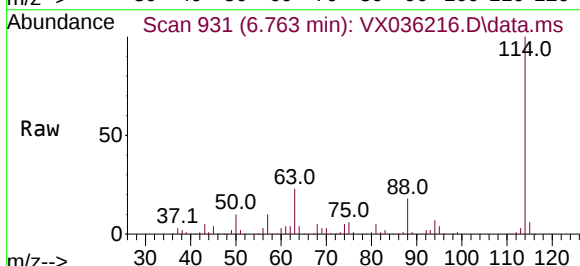
Tgt Ion: 114 Resp: 283392

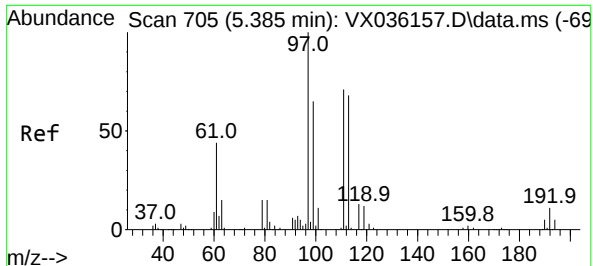
Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.0

88 17.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 49.959 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036216.D

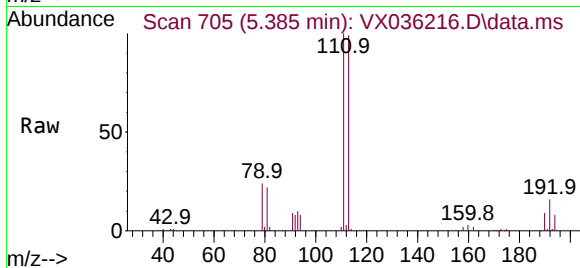
Acq: 19 Jun 2023 19:12

Instrument :

MSVOA_X

ClientSampleId :

PB153531ZHE#04



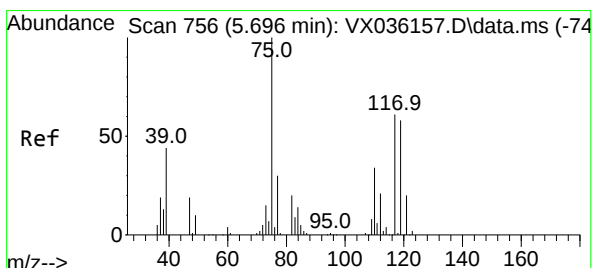
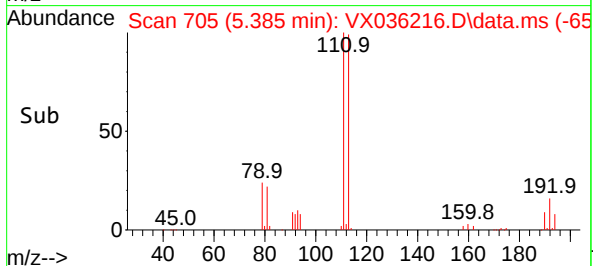
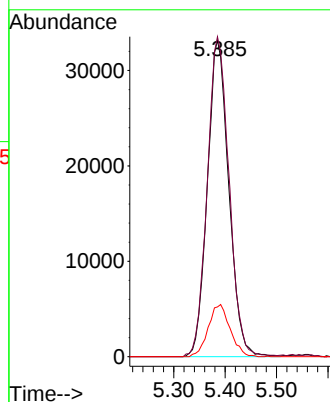
Tgt Ion:113 Resp: 96008

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

192 16.8 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.037 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX036216.D

Acq: 19 Jun 2023 19:12

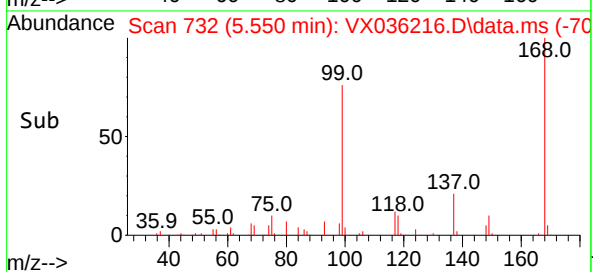
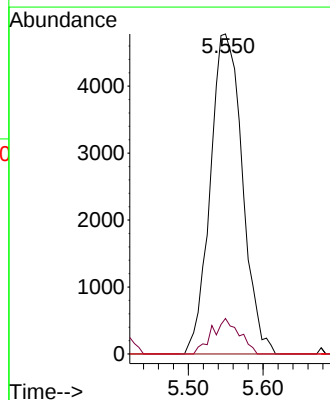
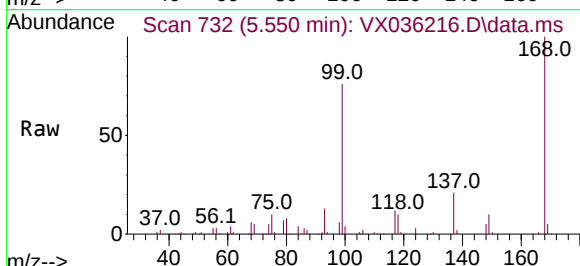
Tgt Ion: 75 Resp: 14258

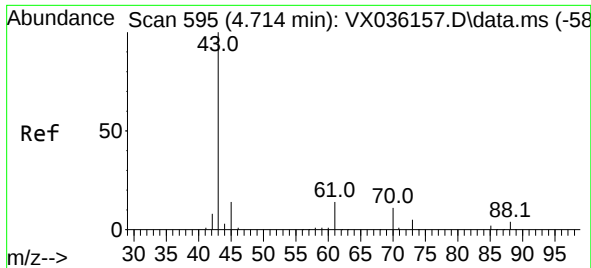
Ion Ratio Lower Upper

75 100

110 9.5 17.0 50.9#

77 0.0 24.7 37.1#

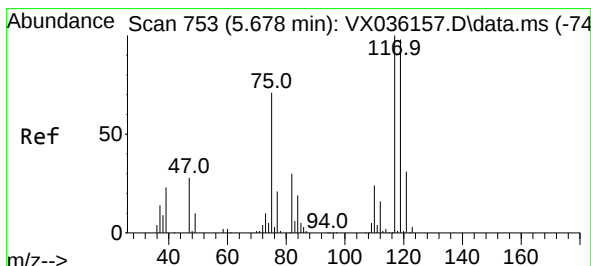
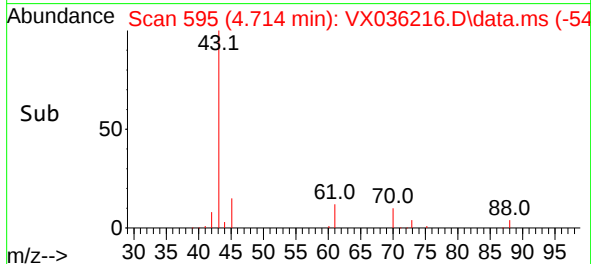
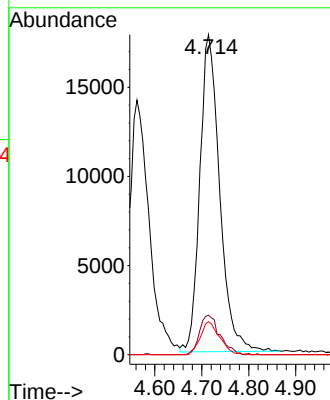
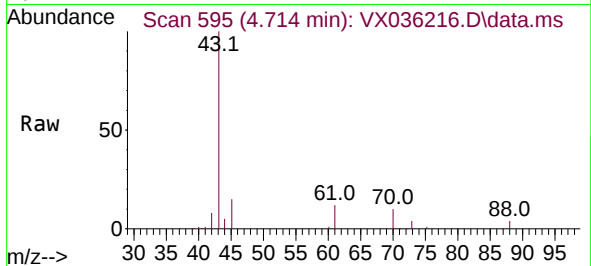




#37
Ethyl Acetate
Concen: 15.880 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX036216.D
Acq: 19 Jun 2023 19:12

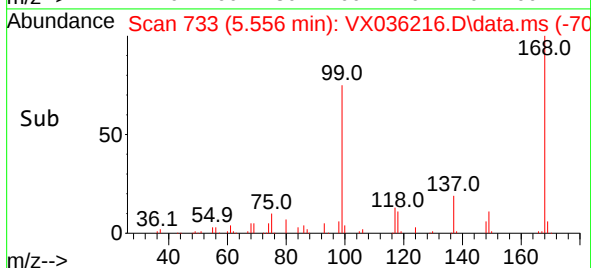
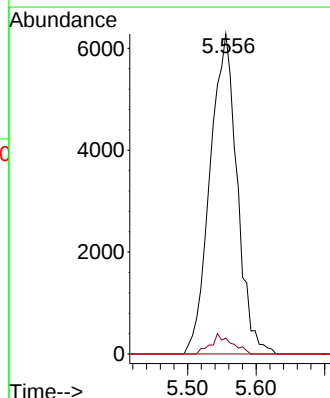
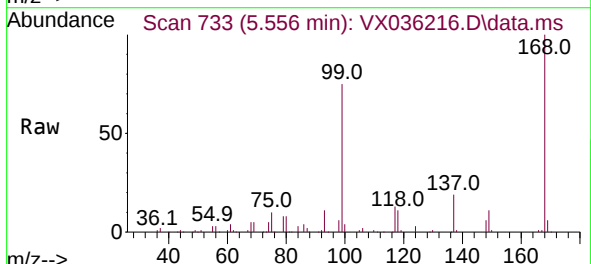
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#04

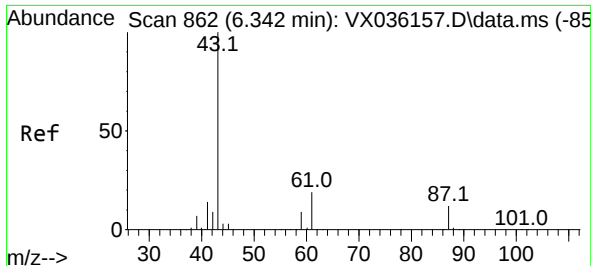
Tgt Ion:	43	Resp:	52373
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.6	16.0
70	10.0	8.3	12.5



#38
Carbon Tetrachloride
Concen: 6.263 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX036216.D
Acq: 19 Jun 2023 19:12

Tgt Ion:	117	Resp:	17234
Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.2	117.2#
121	0.0	24.4	36.6#

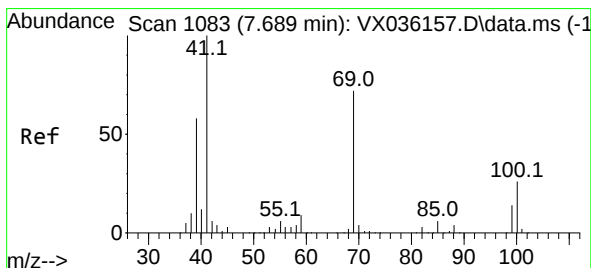
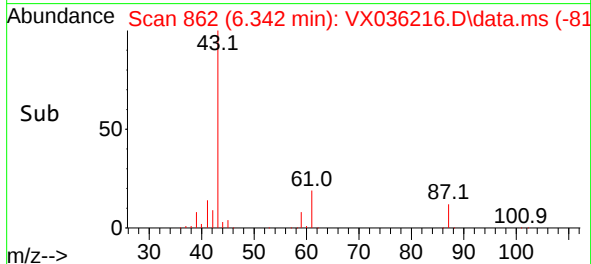
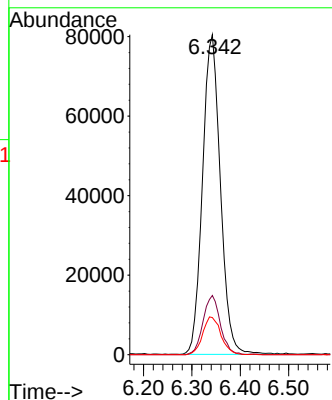
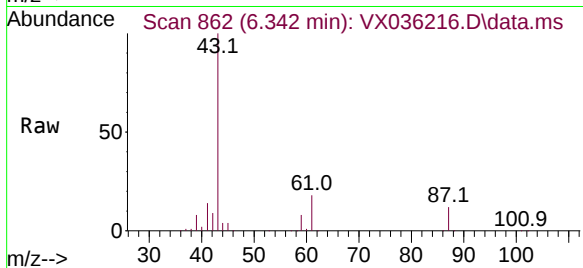




#43
Isopropyl Acetate
Concen: 40.901 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX036216.D
Acq: 19 Jun 2023 19:12

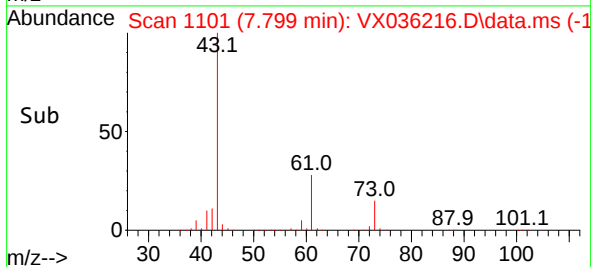
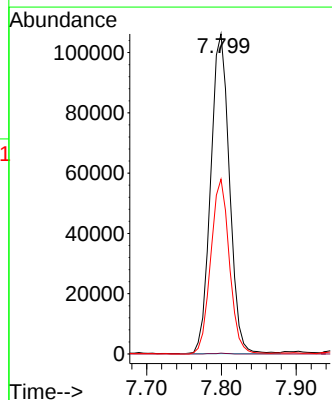
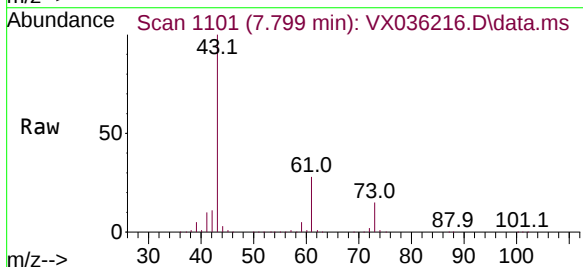
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#04

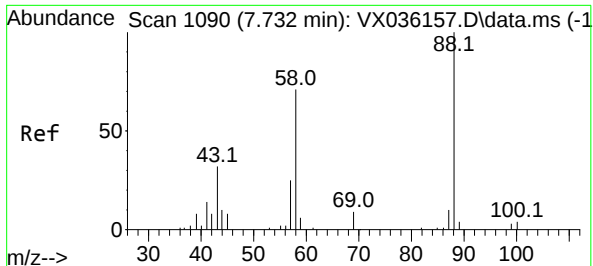
Tgt Ion: 43 Resp: 206440
Ion Ratio Lower Upper
43 100
61 17.9 15.2 22.8
87 12.1 9.8 14.6



#48
Methyl methacrylate
Concen: 71.493 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036216.D
Acq: 19 Jun 2023 19:12

Tgt Ion: 41 Resp: 185136
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.3 47.7 71.5

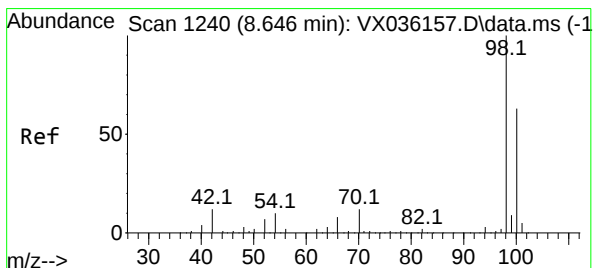
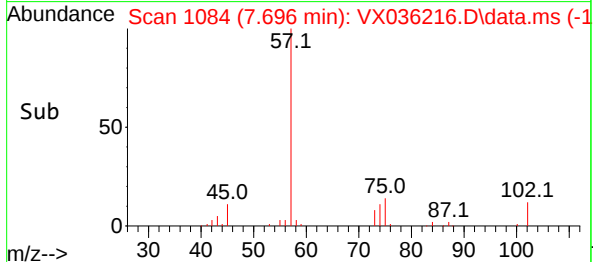
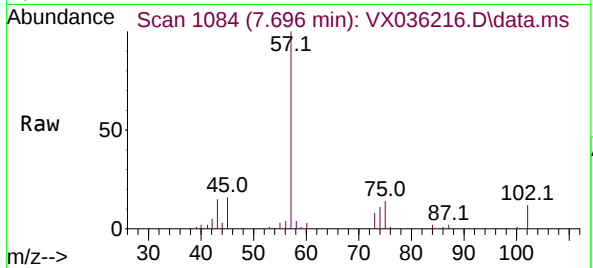




#49
1,4-Dioxane
Concen: 0.484 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.036 min
Lab File: VX036216.D
Acq: 19 Jun 2023 19:12

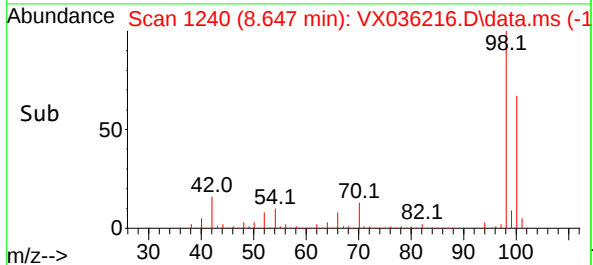
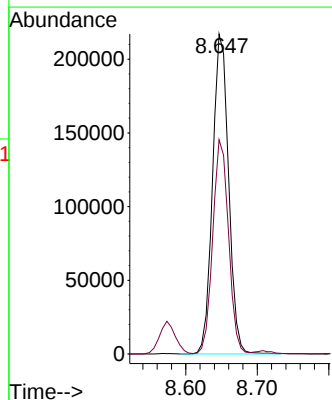
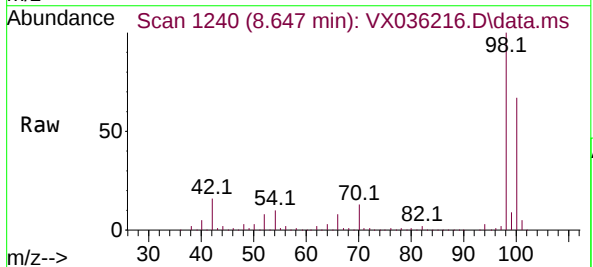
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#04

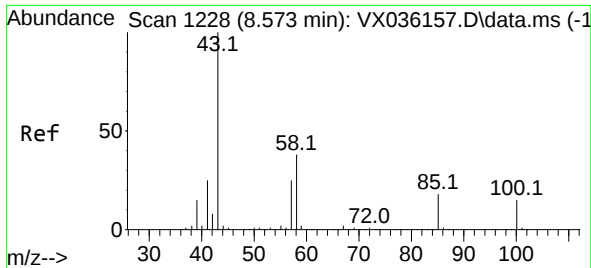
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 4552.4 60.1 90.1#



#50
Toluene-d8
Concen: 47.962 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036216.D
Acq: 19 Jun 2023 19:12

Tgt Ion: 98 Resp: 337153
Ion Ratio Lower Upper
98 100
100 65.5 53.1 79.7

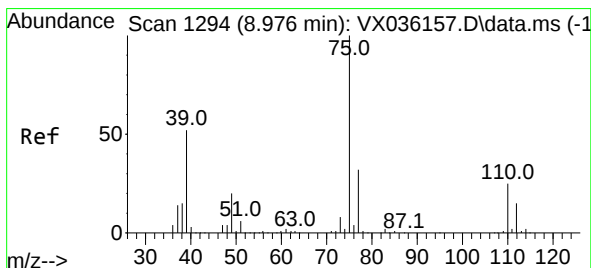
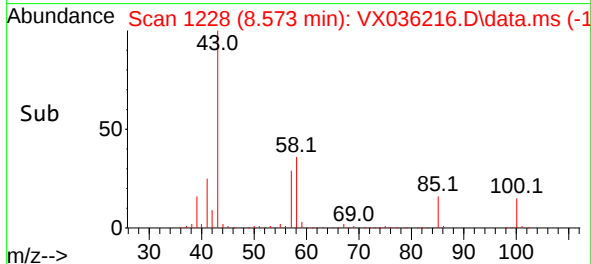
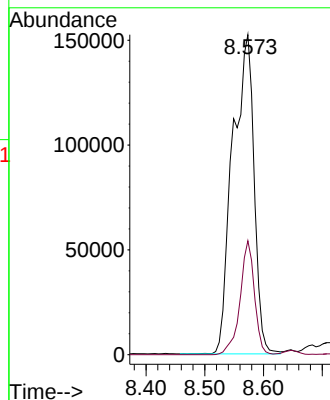
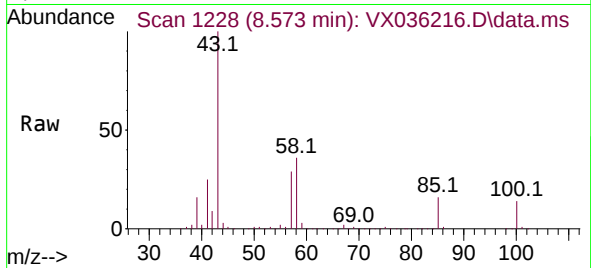




#51
4-Methyl-2-Pentanone
Concen: 120.752 ug/l
RT: 8.573 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036216.D
Acq: 19 Jun 2023 19:12

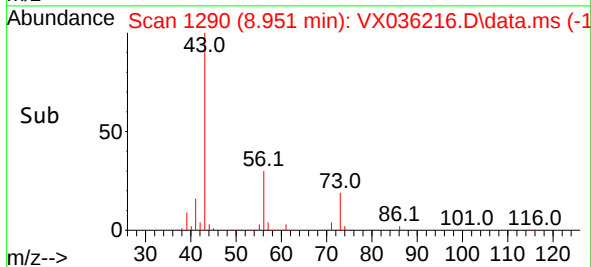
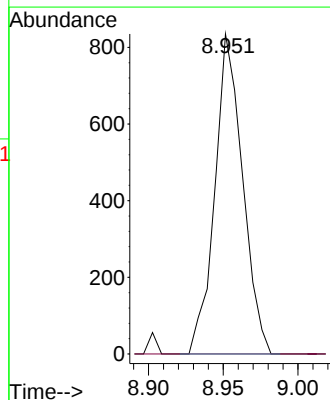
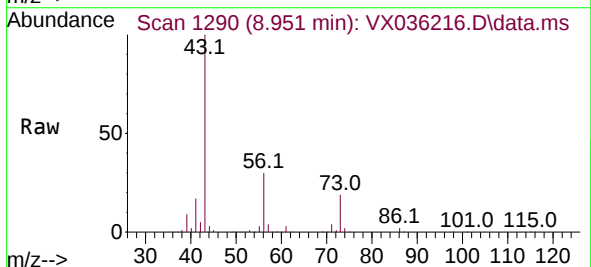
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#04

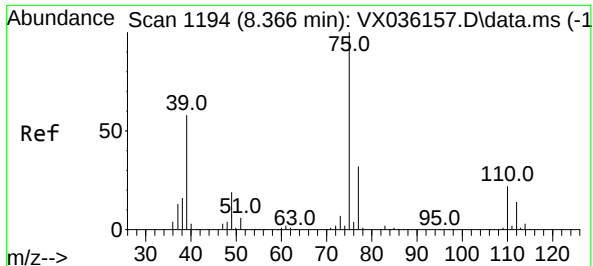
Tgt Ion: 43 Resp: 384842
Ion Ratio Lower Upper
43 100
58 24.1 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.362 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX036216.D
Acq: 19 Jun 2023 19:12

Tgt Ion: 75 Resp: 1079
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

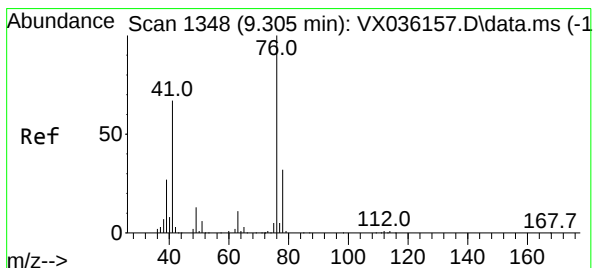
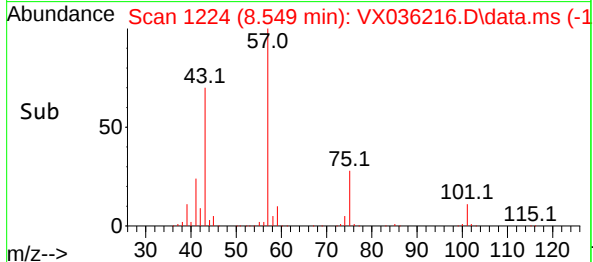
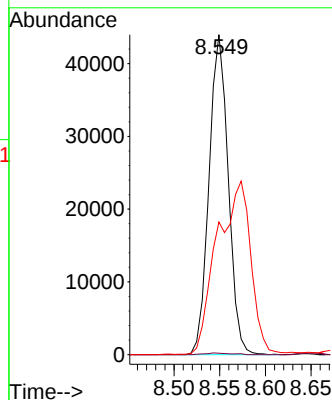
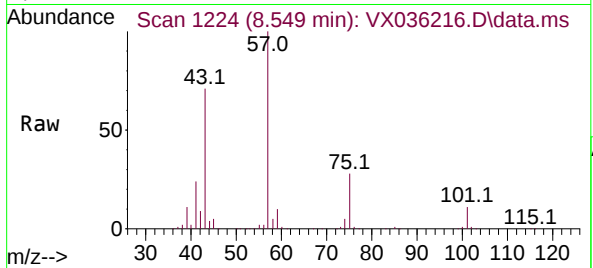




#54
 cis-1,3-Dichloropropene
 Concen: 20.122 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036216.D
 Acq: 19 Jun 2023 19:12

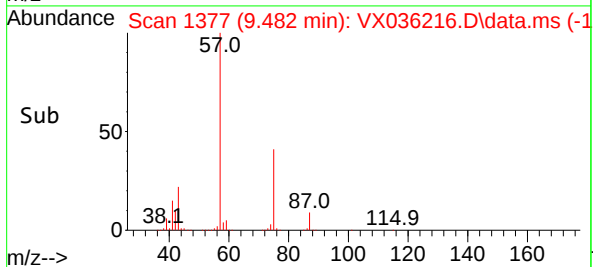
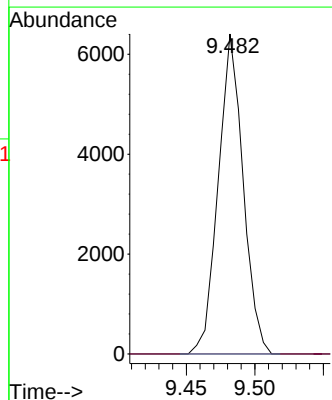
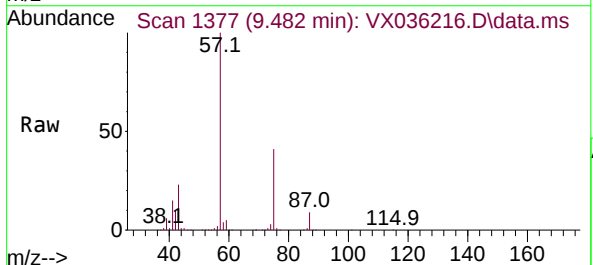
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153531ZHE#04

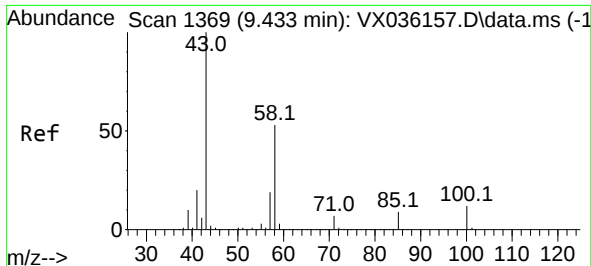
Tgt Ion: 75 Resp: 64333
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 41.3 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.204 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036216.D
 Acq: 19 Jun 2023 19:12

Tgt Ion: 76 Resp: 8069
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 54.823 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX036216.D

Acq: 19 Jun 2023 19:12

Instrument :

MSVOA_X

ClientSampleId :

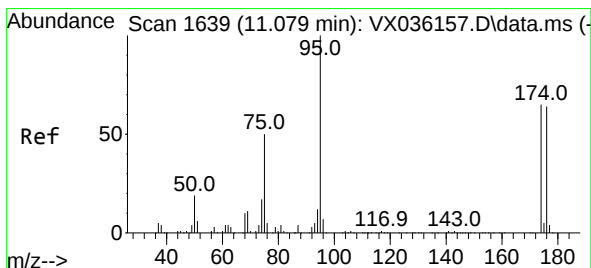
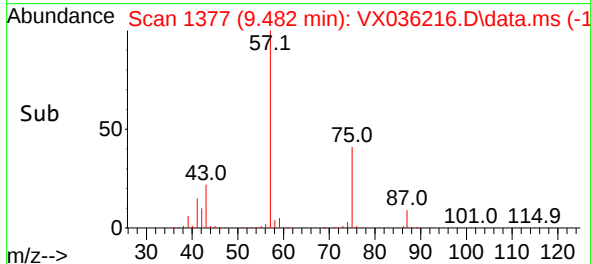
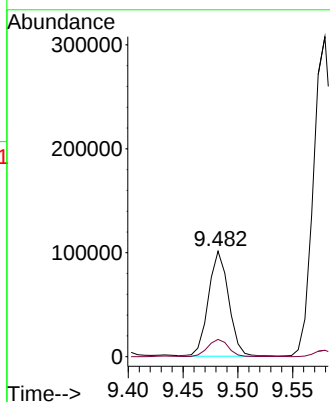
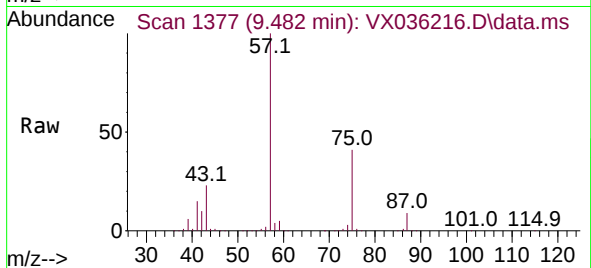
PB153531ZHE#04

Tgt Ion: 43 Resp: 129897

Ion Ratio Lower Upper

43 100

58 17.0 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 46.751 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX036216.D

Acq: 19 Jun 2023 19:12

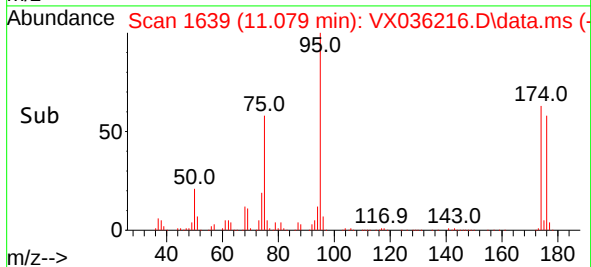
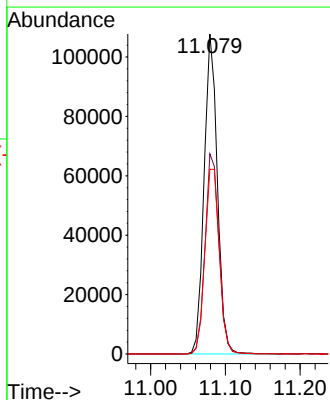
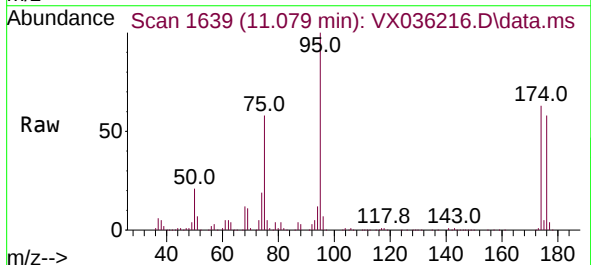
Tgt Ion: 95 Resp: 132659

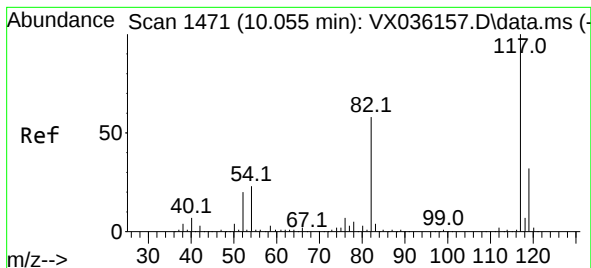
Ion Ratio Lower Upper

95 100

174 65.6 0.0 135.6

176 62.9 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: VX036216.D

Acq: 19 Jun 2023 19:12

Instrument :

MSVOA_X

ClientSampleId :

PB153531ZHE#04

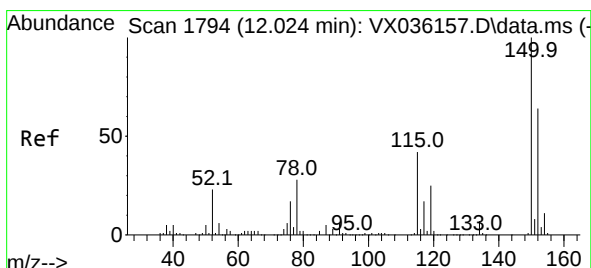
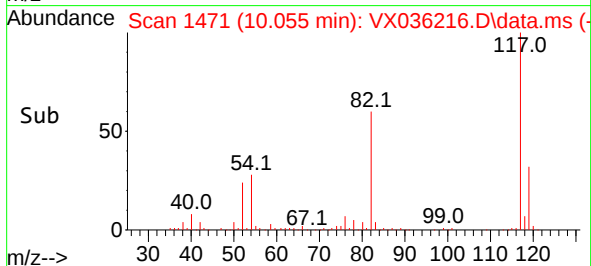
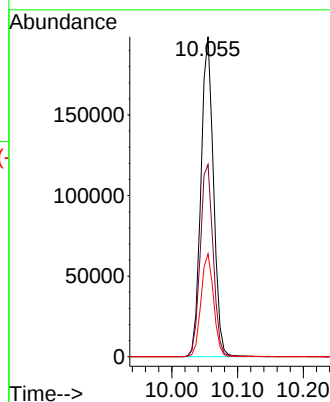
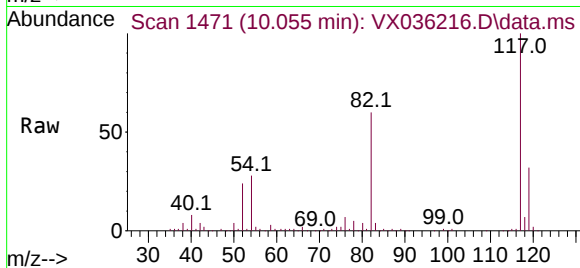
Tgt Ion:117 Resp: 262691

Ion Ratio Lower Upper

117 100

82 60.1 46.2 69.4

119 32.1 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX036216.D

Acq: 19 Jun 2023 19:12

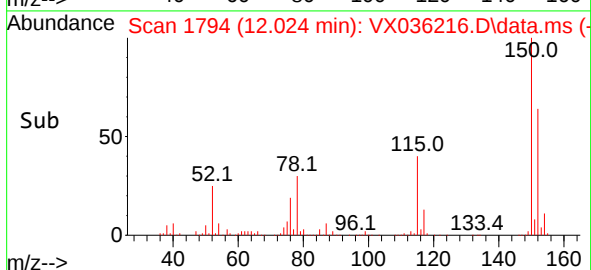
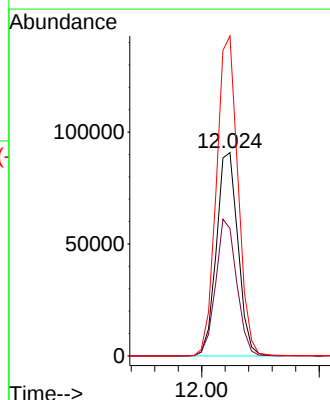
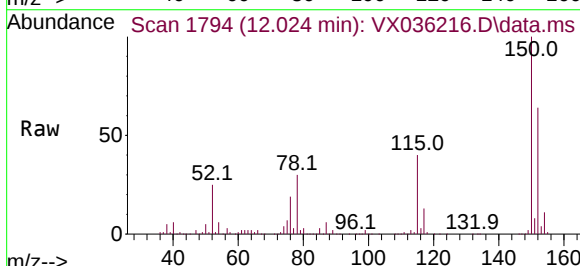
Tgt Ion:152 Resp: 115887

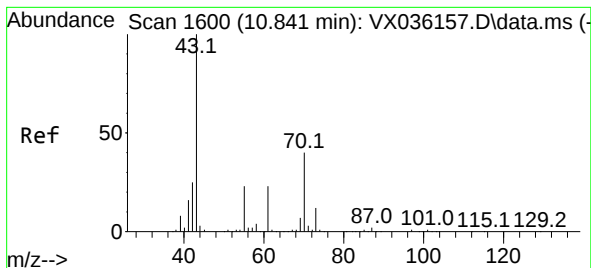
Ion Ratio Lower Upper

152 100

115 65.6 43.3 129.9

150 157.2 0.0 345.0





#74

N-amy1 acetate

Concen: 13.250 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX036216.D

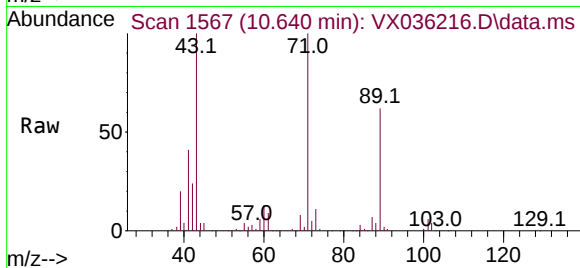
Acq: 19 Jun 2023 19:12

Instrument :

MSVOA_X

ClientSampleId :

PB153531ZHE#04



Tgt Ion: 43 Resp: 51486

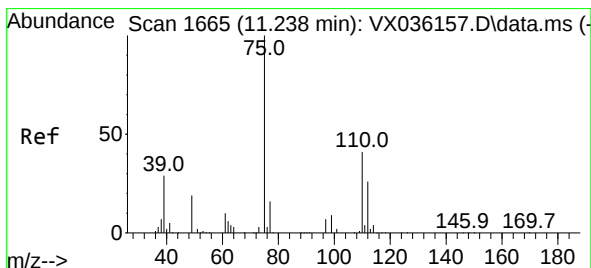
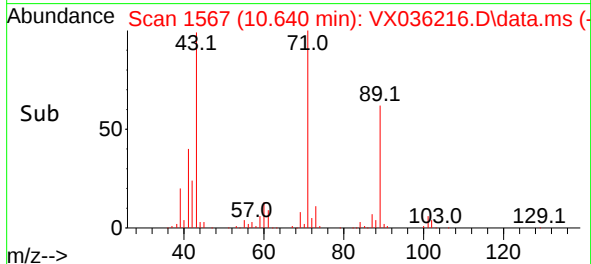
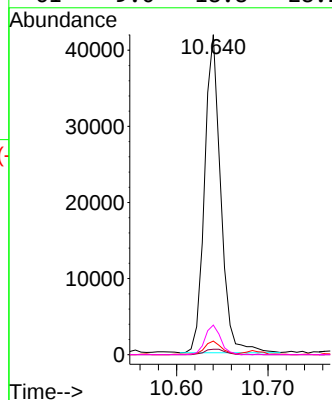
Ion Ratio Lower Upper

43 100

70 2.2 32.9 49.3#

55 4.6 19.3 28.9#

61 9.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 27.330 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036216.D

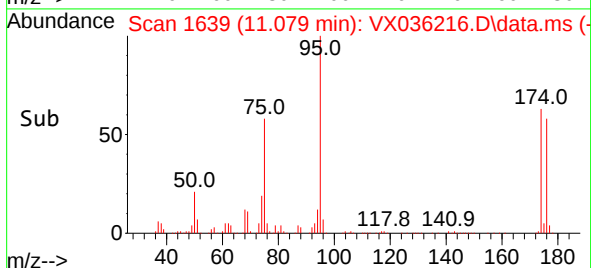
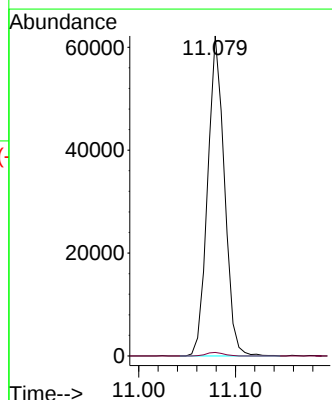
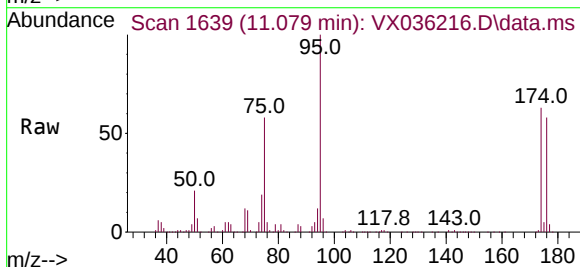
Acq: 19 Jun 2023 19:12

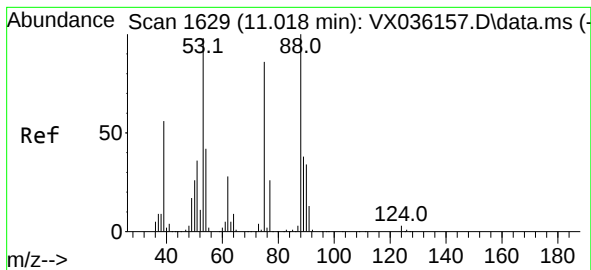
Tgt Ion: 75 Resp: 75167

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.662 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036216.D
 Acq: 19 Jun 2023 19:12

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153531ZHE#04

Tgt Ion: 75 Resp: 75167
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

