

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036219.D
 Acq On : 19 Jun 2023 20:23
 Operator : JC/MD
 Sample : PB153531ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 03:48:44 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)

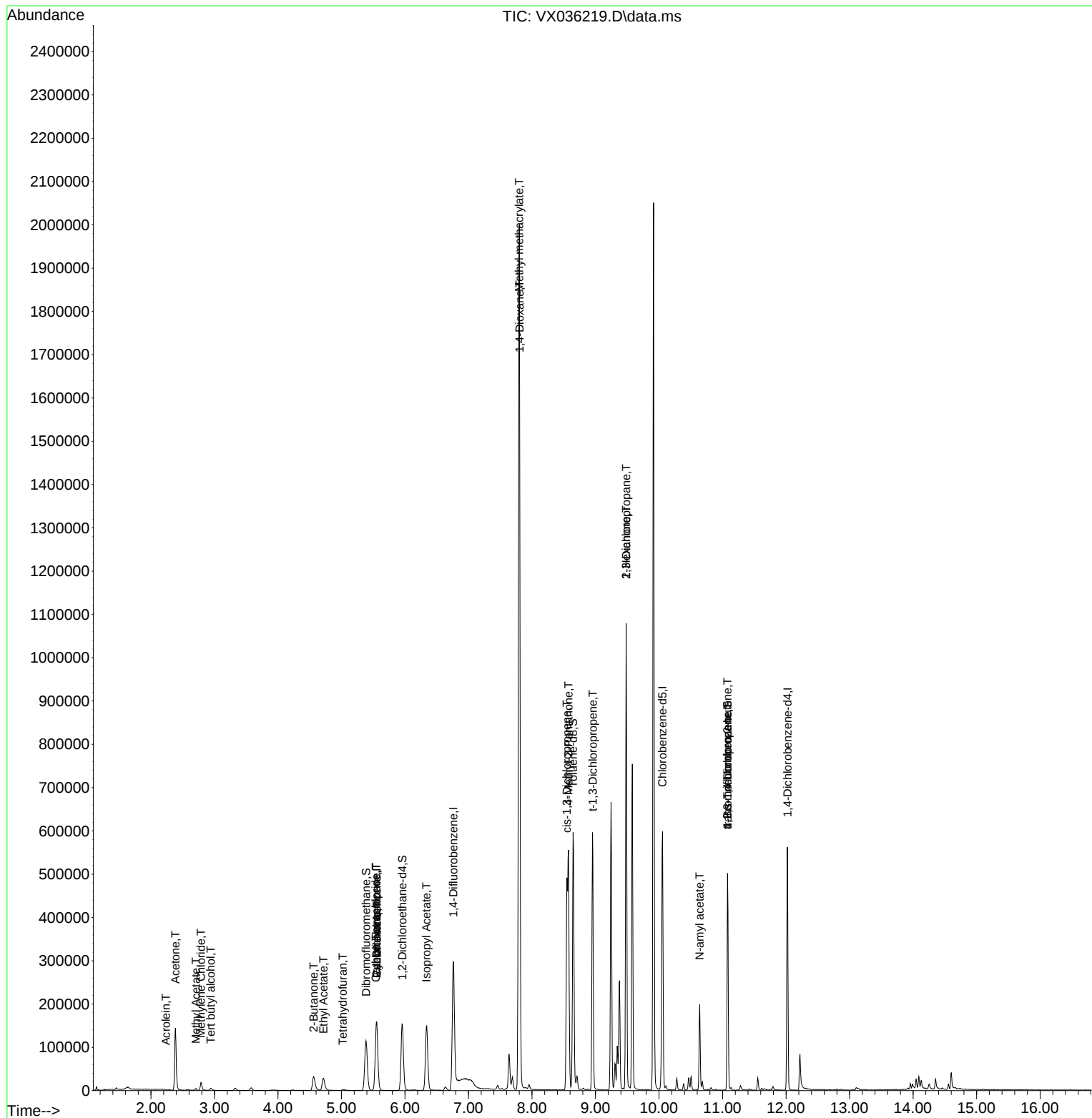
Internal Standards						
1) Pentafluorobenzene	5.556	168	135137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	266688	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159937	64.764	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 129.520%#	
35) Dibromofluoromethane	5.385	113	99071	54.782	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.560%	
50) Toluene-d8	8.647	98	333265	50.379	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.760%	
62) 4-Bromofluorobenzene	11.079	95	131062	49.082	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.160%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	3831	10.147	ug/l #	78
13) Acrolein	2.233	56	163	0.389	ug/l #	76
16) Acetone	2.386	43	167390	163.146	ug/l	99
18) Methyl Acetate	2.709	43	5130	1.318	ug/l	98
20) Methylene Chloride	2.788	84	8299	4.464	ug/l	93
25) 2-Butanone	4.562	43	54887	38.211	ug/l	100
29) Tetrahydrofuran	5.019	42	1606	1.760	ug/l #	86
31) Cyclohexane	5.556	56	3991	1.506	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	13903	5.219	ug/l #	50
37) Ethyl Acetate	4.715	43	52479	16.909	ug/l	99
38) Carbon Tetrachloride	5.544	117	15662	6.048	ug/l #	15
43) Isopropyl Acetate	6.336	43	211437	44.514	ug/l	98
48) Methyl methacrylate	7.799	41	189093	77.594	ug/l #	49
49) 1,4-Dioxane	7.806	88	295	7.230	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	467813	155.980	ug/l #	80
53) t-1,3-Dichloropropene	8.958	75	1127	0.402	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	65400	21.737	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	8254	2.396	ug/l #	42
59) 2-Hexanone	9.482	43	132556	59.450	ug/l #	50
74) N-amyl acetate	10.640	43	54637	15.579	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	72935	29.383	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	72935	102.846	ug/l #	5

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

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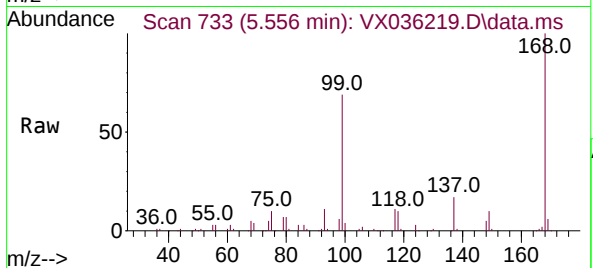
Quant Time: Jun 20 03:48:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 16 16:28:40 2023
Response via : Initial Calibration



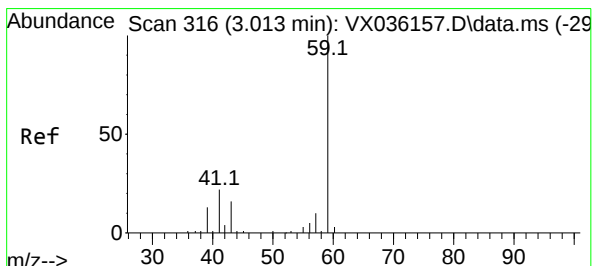
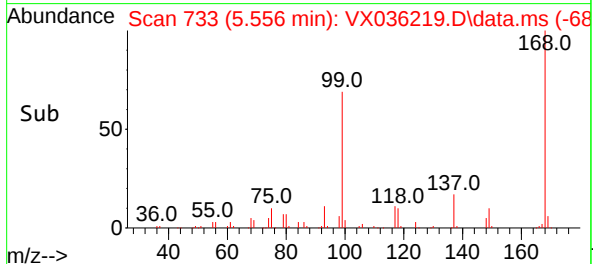
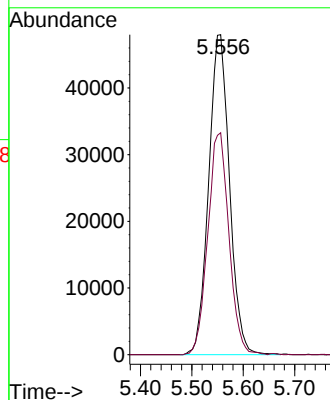


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

Instrument :
MSVOA_X
ClientSampleId :

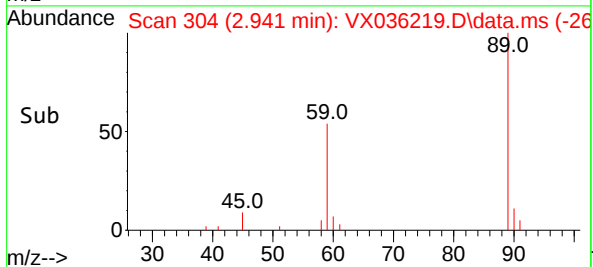
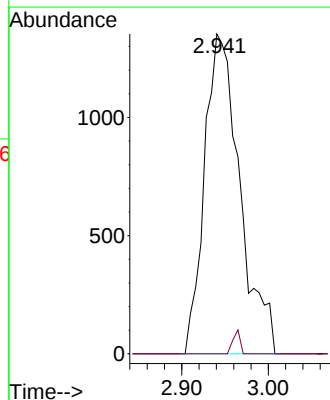
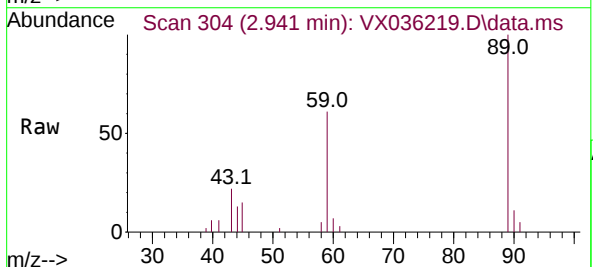


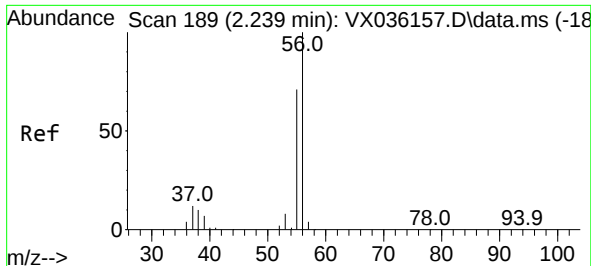
Tgt Ion:168 Resp: 135137
Ion Ratio Lower Upper
168 100
99 69.3 56.6 85.0



#11
Tert butyl alcohol
Concen: 10.147 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.072 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

Tgt Ion: 59 Resp: 3831
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.389 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX036219.D

Acq: 19 Jun 2023 20:23

Instrument :

MSVOA_X

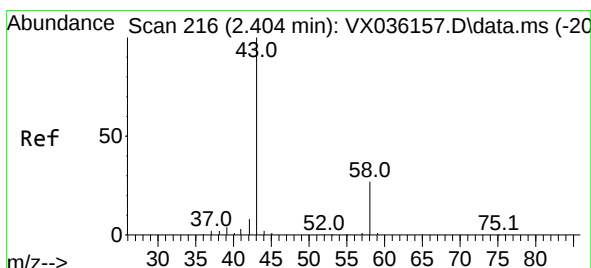
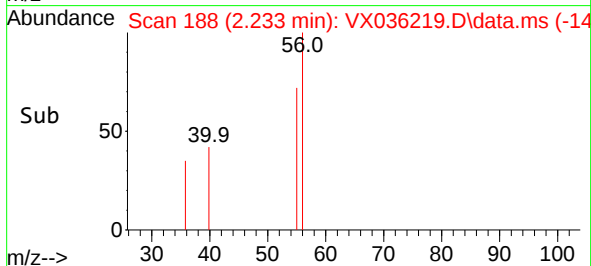
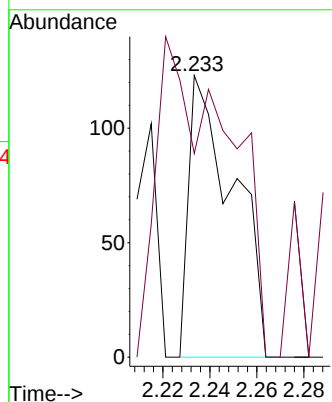
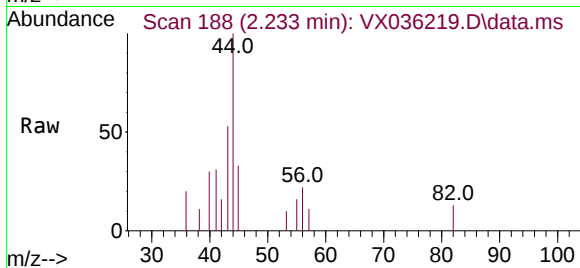
ClientSampleId :

Tgt Ion: 56 Resp: 163

Ion Ratio Lower Upper

56 100

55 91.4 57.1 85.7#



#16

Acetone

Concen: 163.146 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.018 min

Lab File: VX036219.D

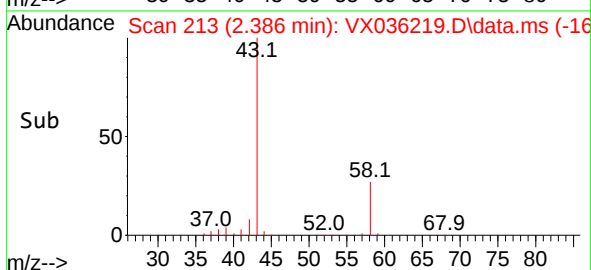
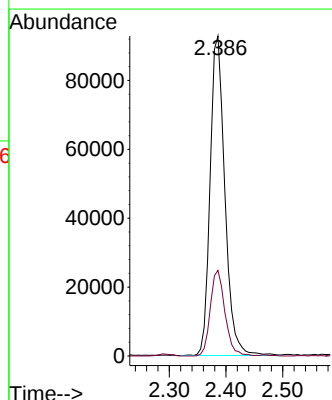
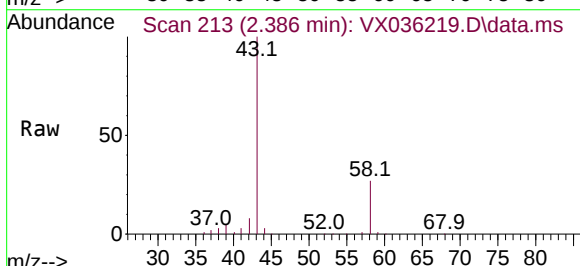
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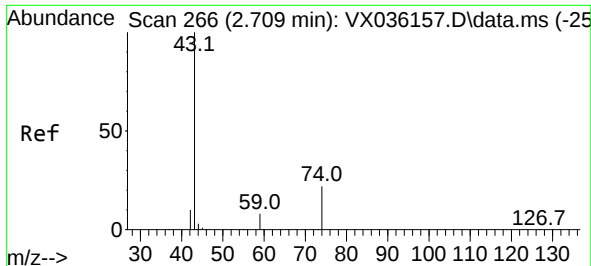
Tgt Ion: 43 Resp: 167390

Ion Ratio Lower Upper

43 100

58 26.8 21.9 32.9

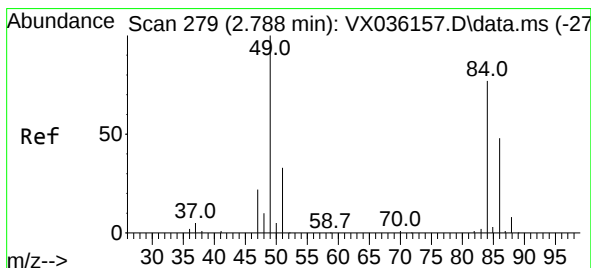
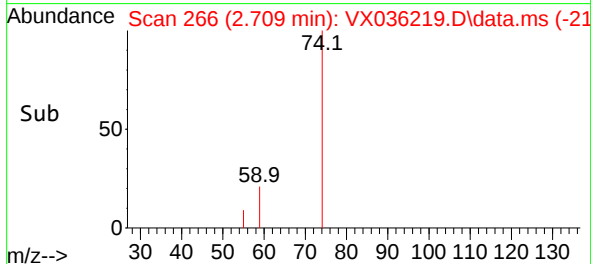
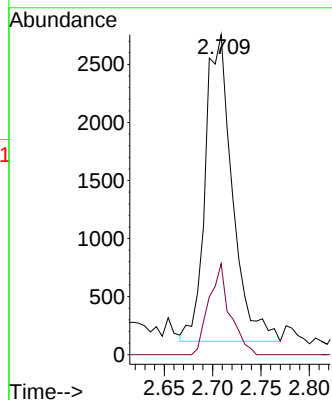
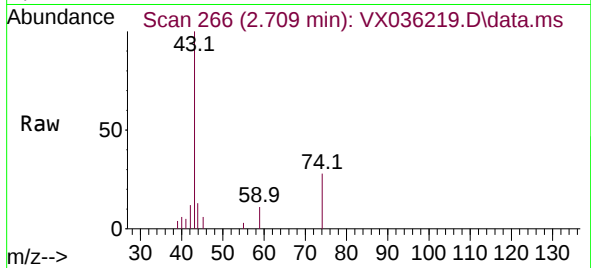




#18
Methyl Acetate
Concen: 1.318 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

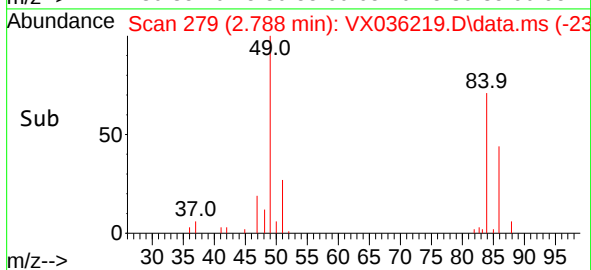
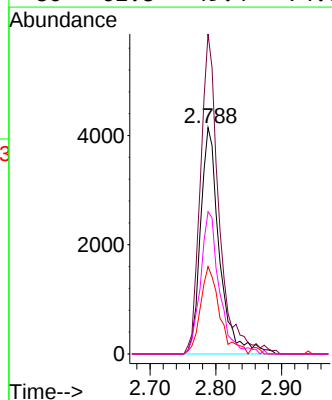
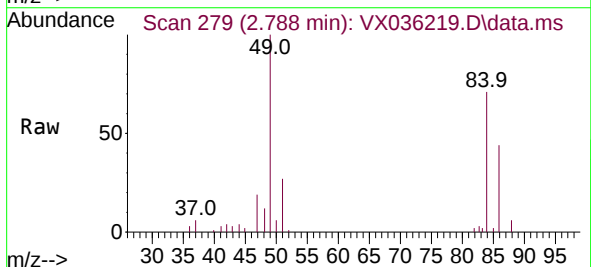
Instrument :
MSVOA_X
ClientSampleId :

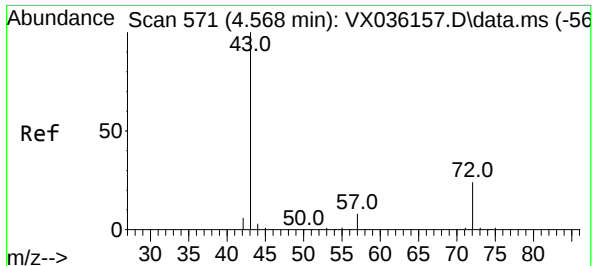
Tgt Ion: 43 Resp: 5130
Ion Ratio Lower Upper
43 100
74 23.1 17.8 26.8



#20
Methylene Chloride
Concen: 4.464 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

Tgt Ion: 84 Resp: 8299
Ion Ratio Lower Upper
84 100
49 141.4 103.6 155.4
51 38.6 33.8 50.6
86 62.8 49.4 74.0

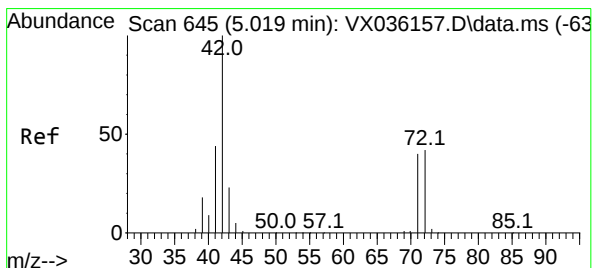
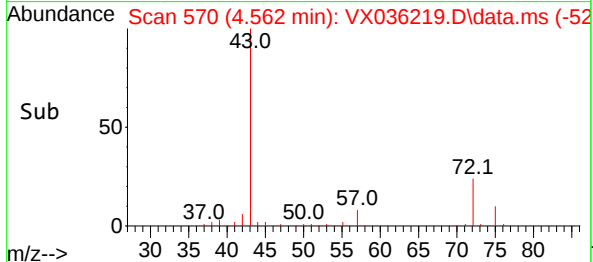
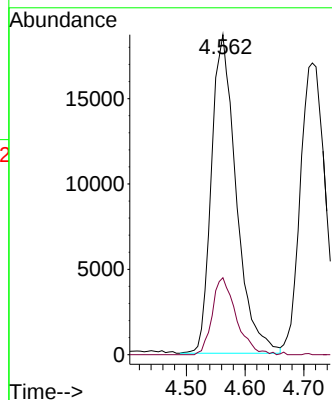
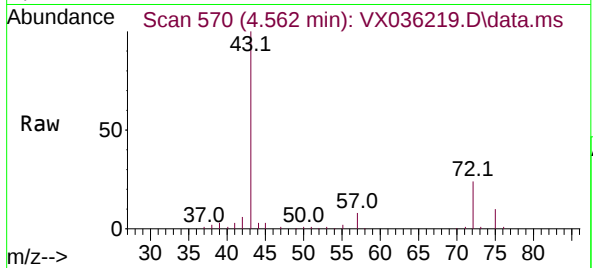




#25
2-Butanone
Concen: 38.211 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

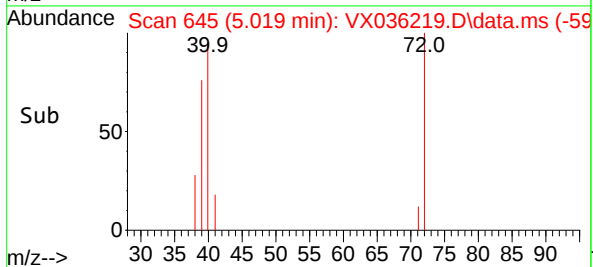
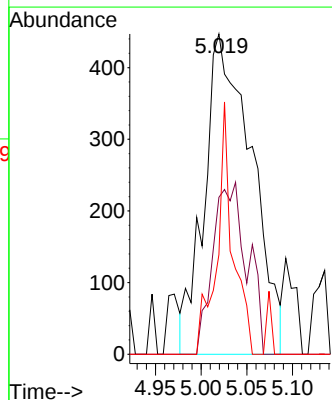
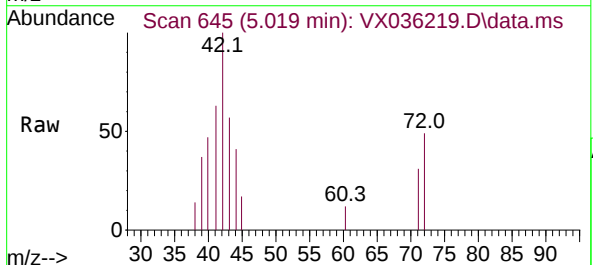
Instrument :
MSVOA_X
ClientSampleId :

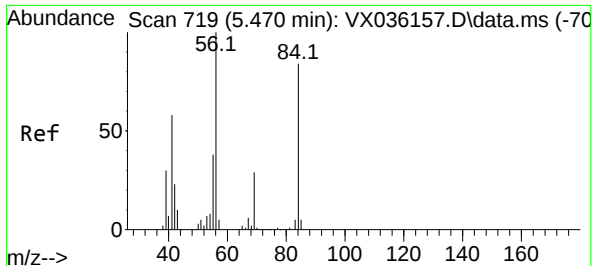
Tgt Ion: 43 Resp: 54887
Ion Ratio Lower Upper
43 100
72 24.1 19.4 29.2



#29
Tetrahydrofuran
Concen: 1.760 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.000 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

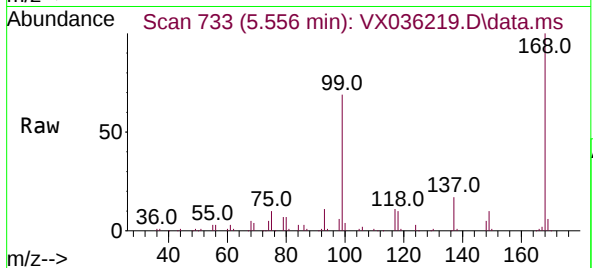
Tgt Ion: 42 Resp: 1606
Ion Ratio Lower Upper
42 100
72 38.6 34.2 51.4
71 26.5 32.2 48.2#



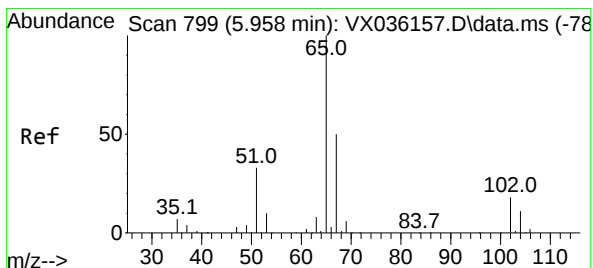
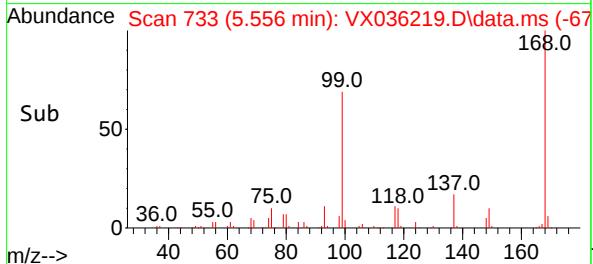
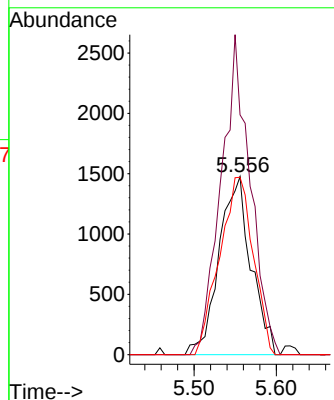


#31
Cyclohexane
Concen: 1.506 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

Instrument :
MSVOA_X
ClientSampleId :

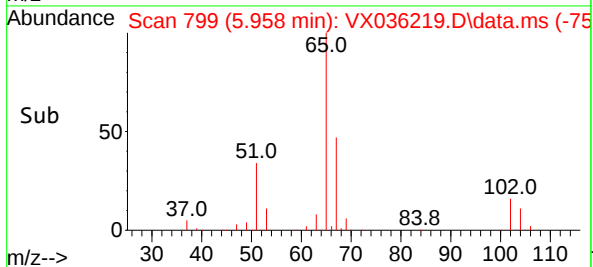
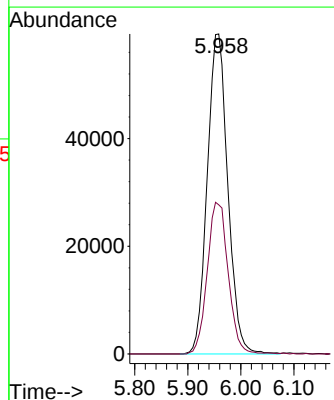
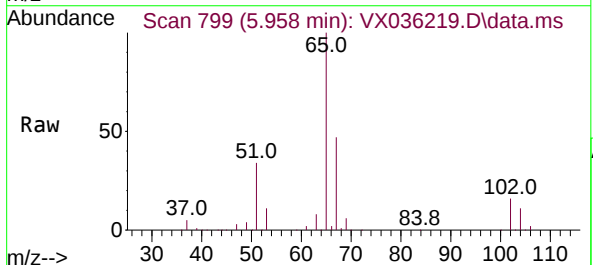


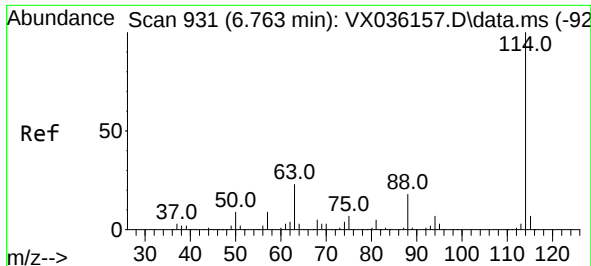
Tgt Ion: 56 Resp: 3991
Ion Ratio Lower Upper
56 100
69 134.7 23.4 35.2#
84 99.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 64.764 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

Tgt Ion: 65 Resp: 159937
Ion Ratio Lower Upper
65 100
67 48.2 0.0 100.2

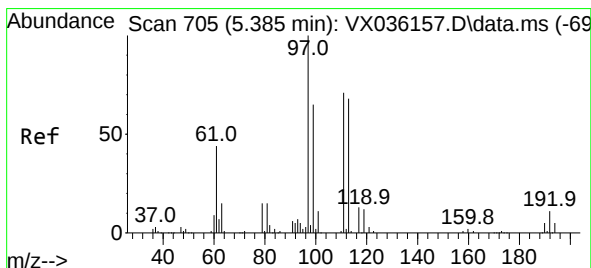
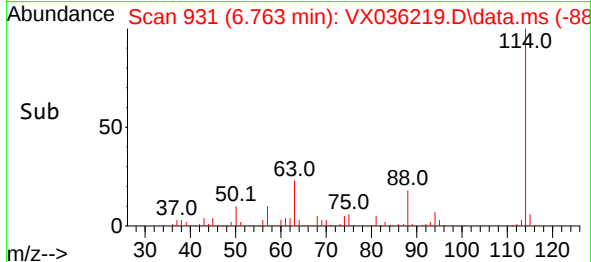
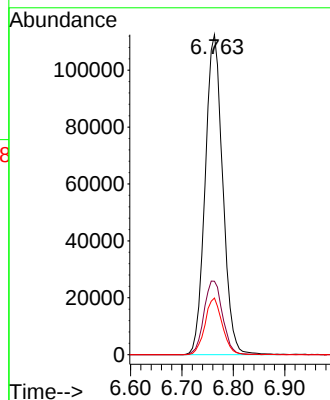
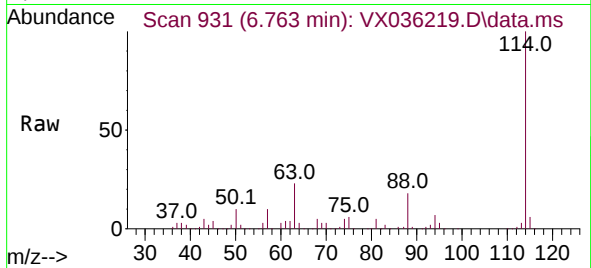




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

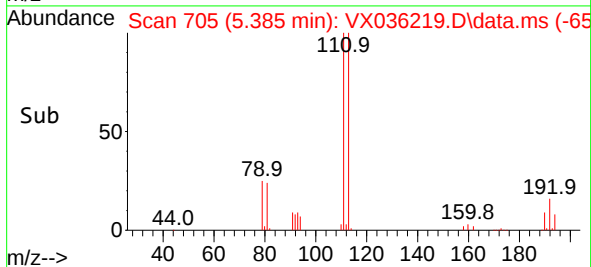
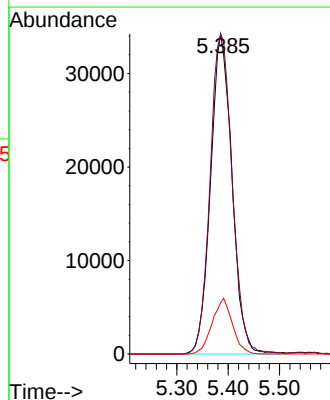
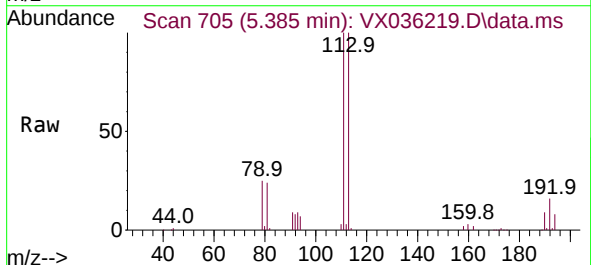
Instrument :
MSVOA_X
ClientSampleId :

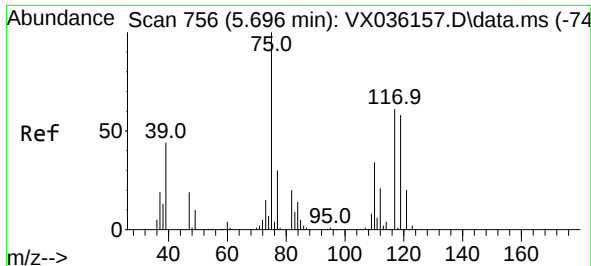
Tgt Ion:114 Resp: 266688
Ion Ratio Lower Upper
114 100
63 22.9 0.0 45.0
88 17.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 54.782 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

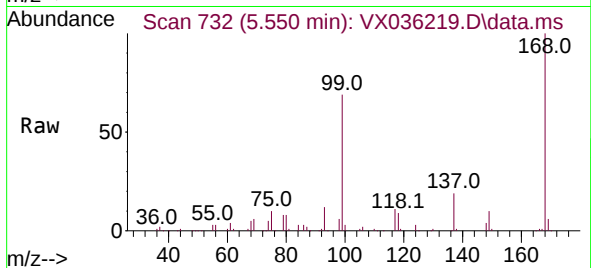
Tgt Ion:113 Resp: 99071
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 16.4 13.3 19.9



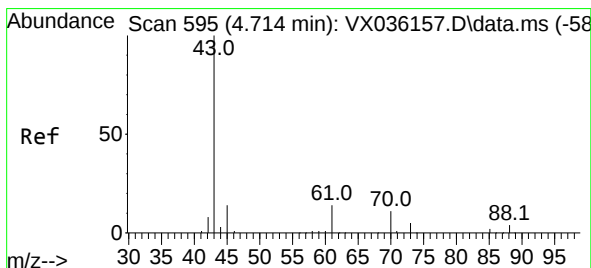
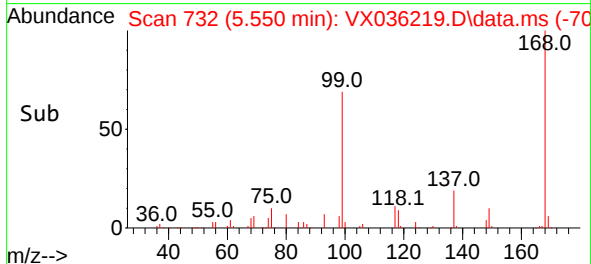
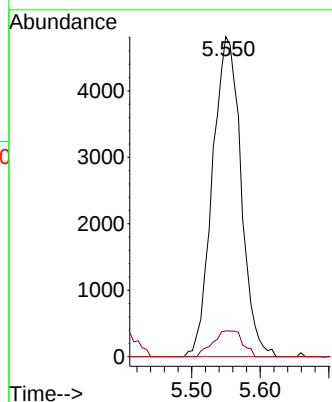


#36
1,1-Dichloropropene
Concen: 5.219 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

Instrument :
MSVOA_X
ClientSampleId :

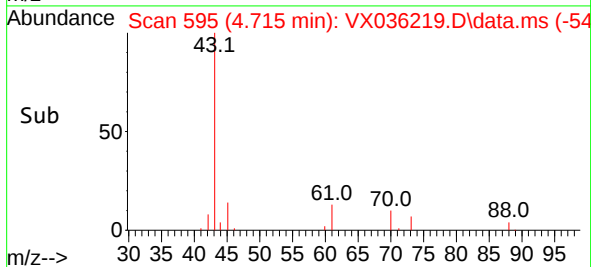
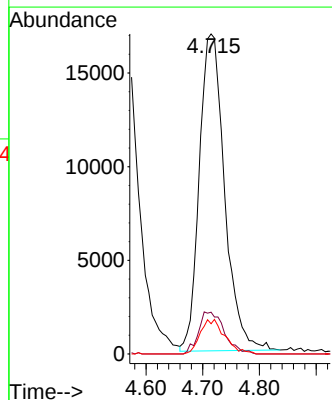
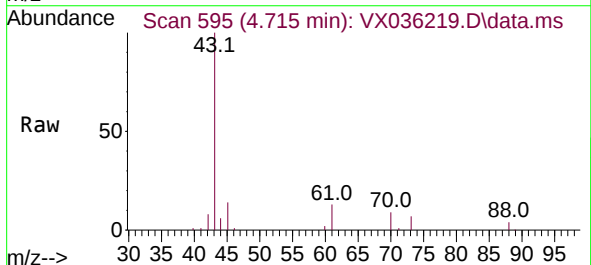


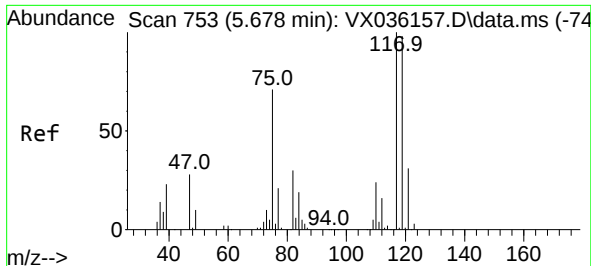
Tgt Ion: 75 Resp: 13903
Ion Ratio Lower Upper
75 100
110 8.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 16.909 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.001 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

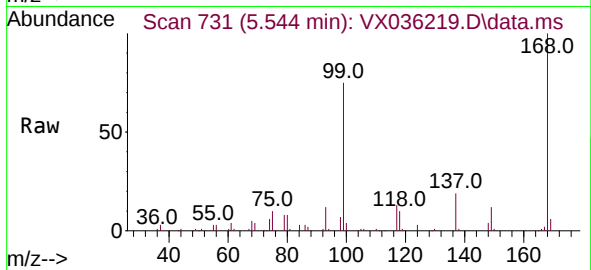
Tgt Ion: 43 Resp: 52479
Ion Ratio Lower Upper
43 100
61 13.5 10.6 16.0
70 10.6 8.3 12.5



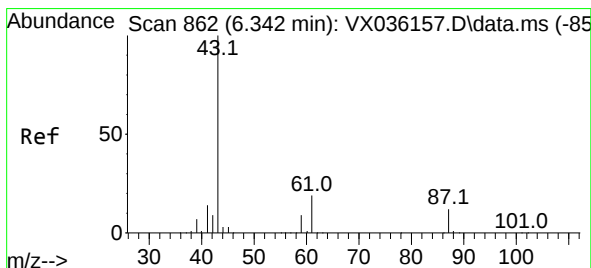
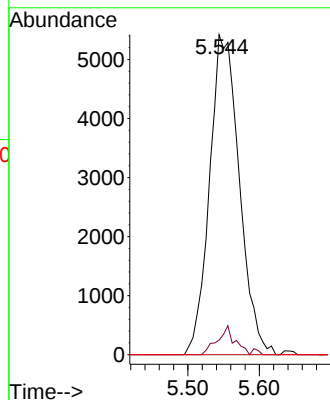
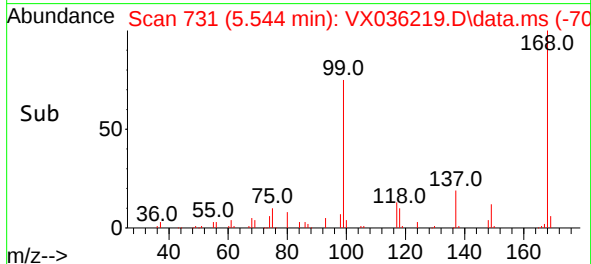


#38
Carbon Tetrachloride
Concen: 6.048 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

Instrument :
MSVOA_X
ClientSampleId :

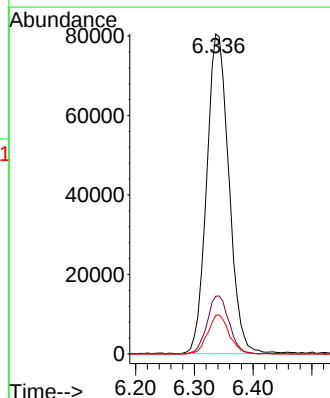
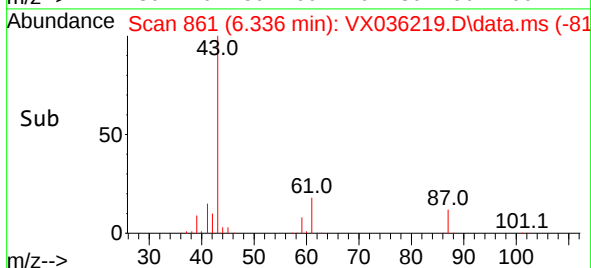
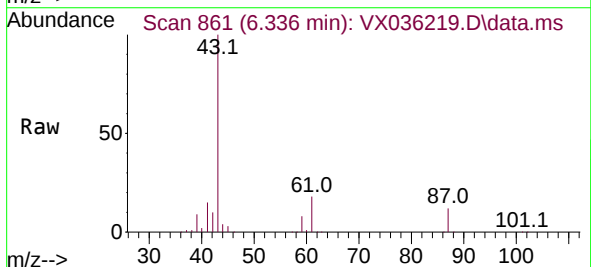


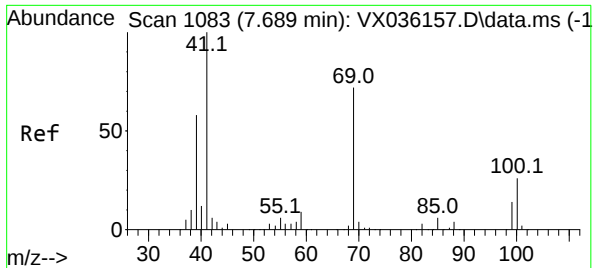
Tgt Ion:117 Resp: 15662
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 44.514 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

Tgt Ion: 43 Resp: 211437
Ion Ratio Lower Upper
43 100
61 17.9 15.2 22.8
87 11.7 9.8 14.6

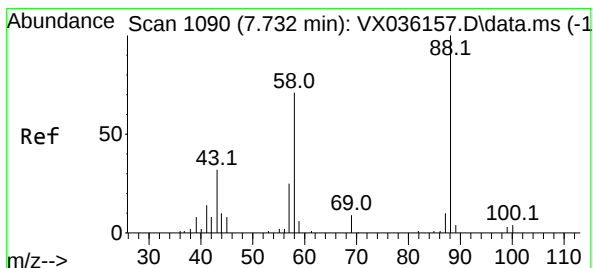
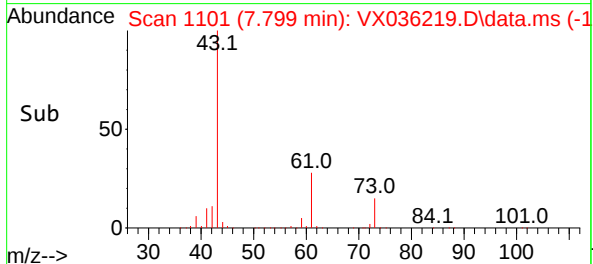
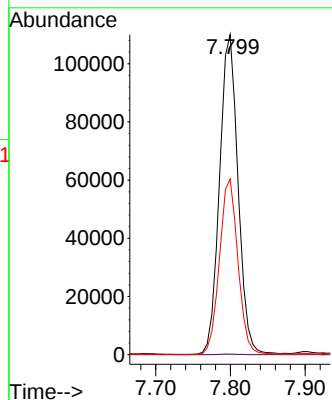
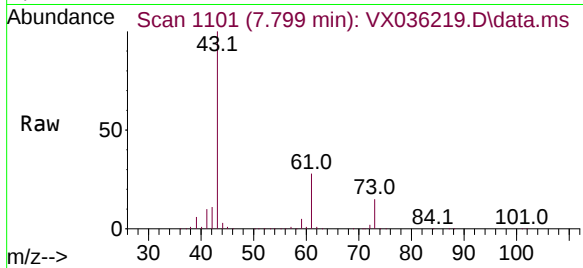




#48
Methyl methacrylate
Concen: 77.594 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

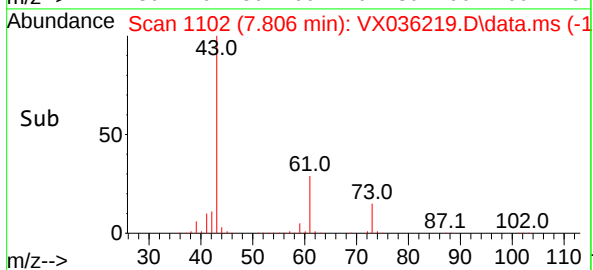
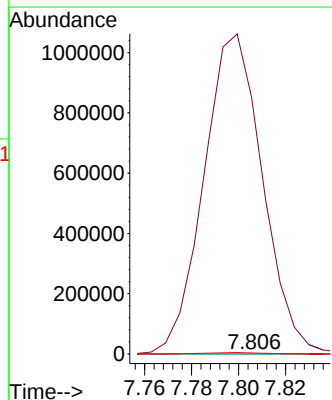
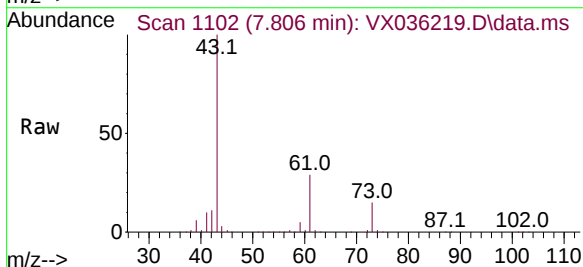
Instrument :
MSVOA_X
ClientSampleId :

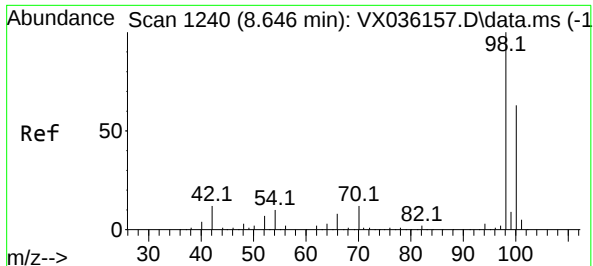
Tgt Ion: 41 Resp: 189093
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 55.2 47.7 71.5



#49
1,4-Dioxane
Concen: 7.230 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.074 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

Tgt Ion: 88 Resp: 295
Ion Ratio Lower Upper
88 100
43 629634.6 0.0 0.0#
58 2714.2 60.1 90.1#





#50

Toluene-d8

Concen: 50.379 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX036219.D

Acq: 19 Jun 2023 20:23

Instrument :

MSVOA_X

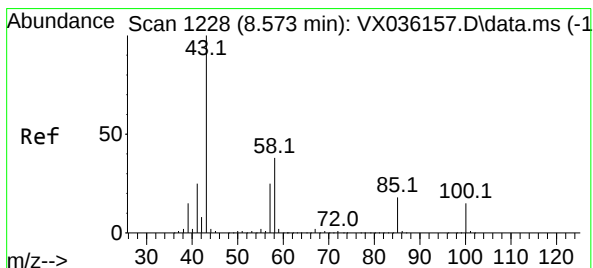
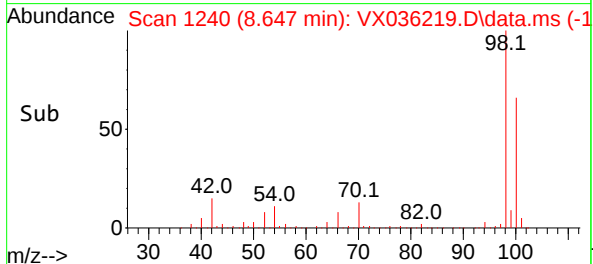
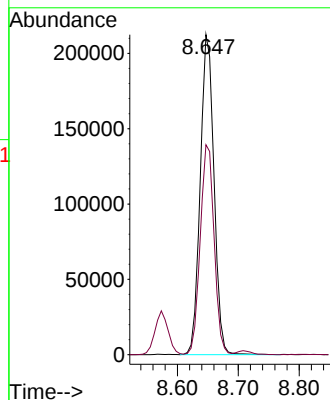
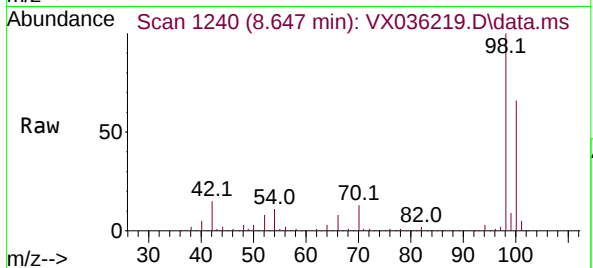
ClientSampleId :

Tgt Ion: 98 Resp: 333265

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 155.980 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.001 min

Lab File: VX036219.D

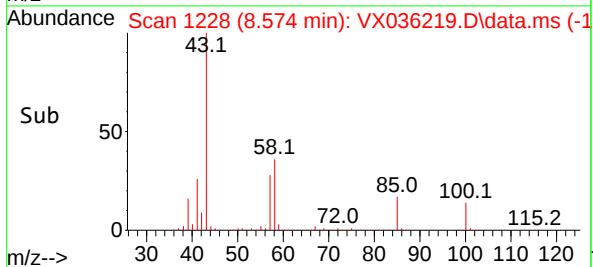
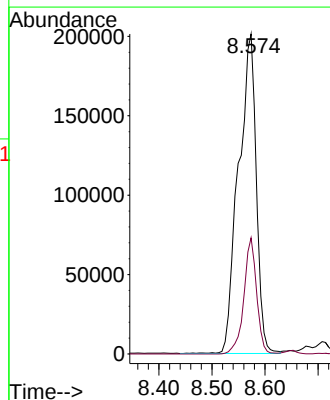
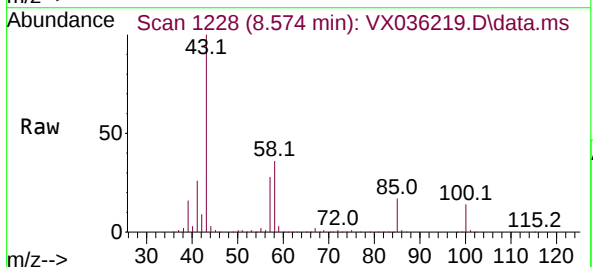
Acq: 19 Jun 2023 20:23

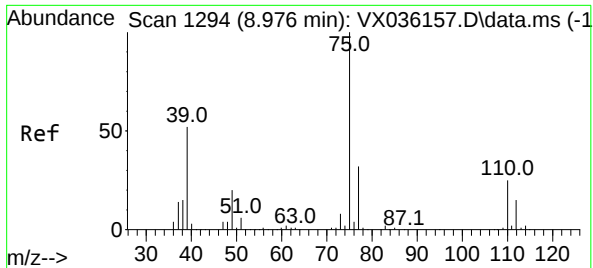
Tgt Ion: 43 Resp: 467813

Ion Ratio Lower Upper

43 100

58 26.0 30.4 45.6#

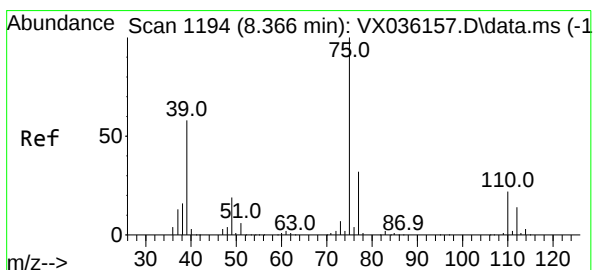
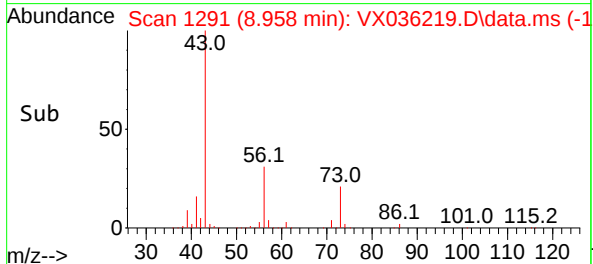
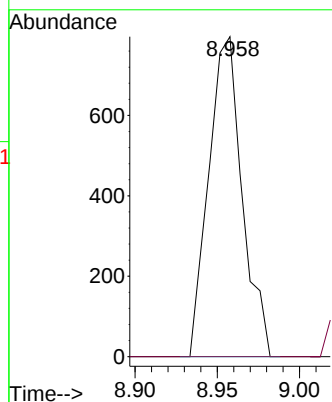
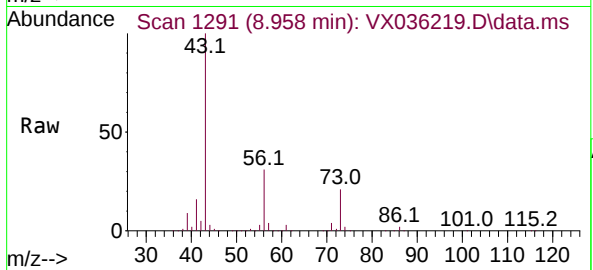




#53
 t-1,3-Dichloropropene
 Concen: 0.402 ug/l
 RT: 8.958 min Scan# 1127
 Delta R.T. -0.018 min
 Lab File: VX036219.D
 Acq: 19 Jun 2023 20:23

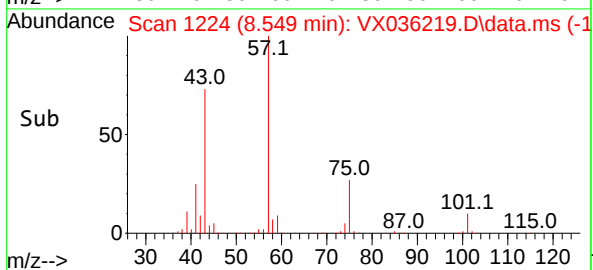
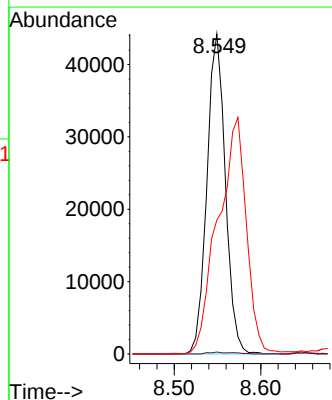
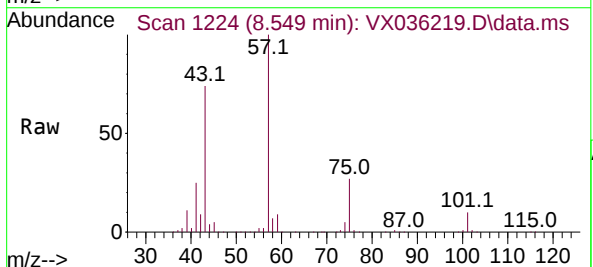
Instrument :
 MSVOA_X
 ClientSampleId :

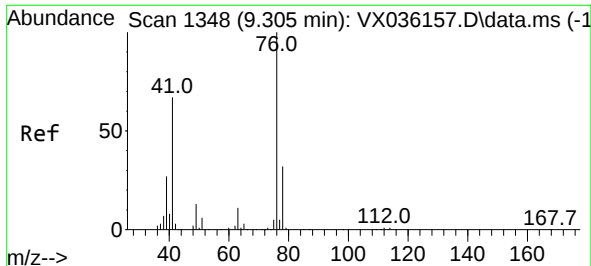
Tgt Ion: 75 Resp: 1127
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 21.737 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036219.D
 Acq: 19 Jun 2023 20:23

Tgt Ion: 75 Resp: 65400
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 41.7 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.396 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036219.D

Acq: 19 Jun 2023 20:23

Instrument :

MSVOA_X

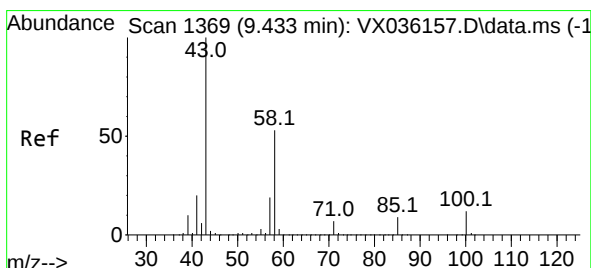
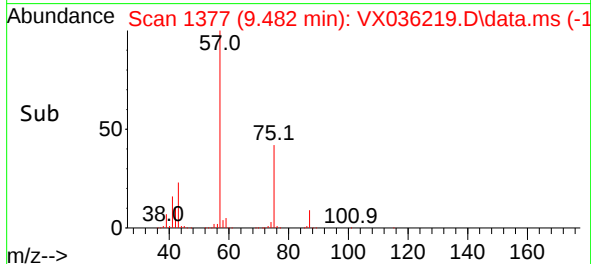
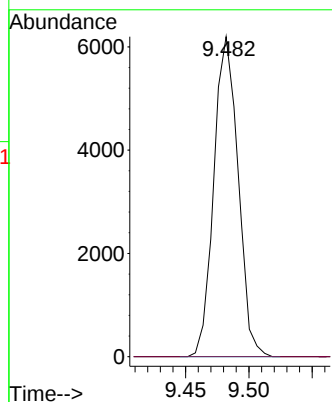
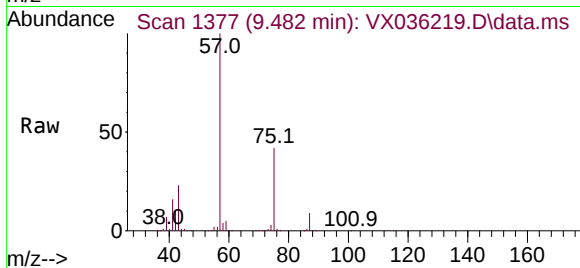
ClientSampleId :

Tgt Ion: 76 Resp: 8254

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 59.450 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036219.D

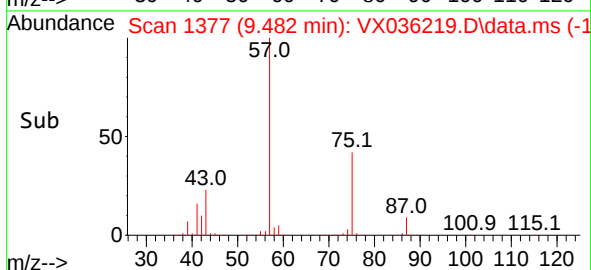
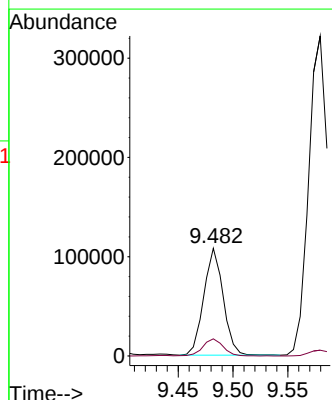
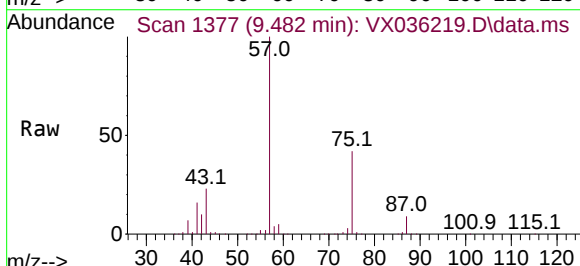
Acq: 19 Jun 2023 20:23

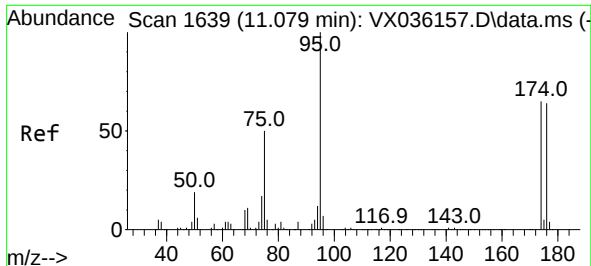
Tgt Ion: 43 Resp: 132556

Ion Ratio Lower Upper

43 100

58 16.9 26.2 78.5#

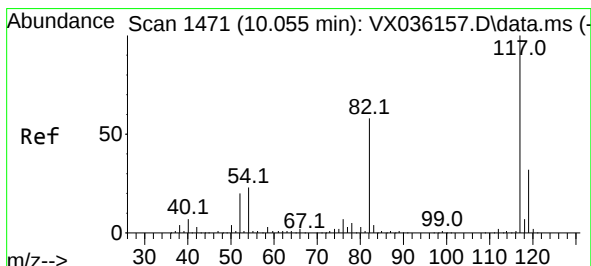
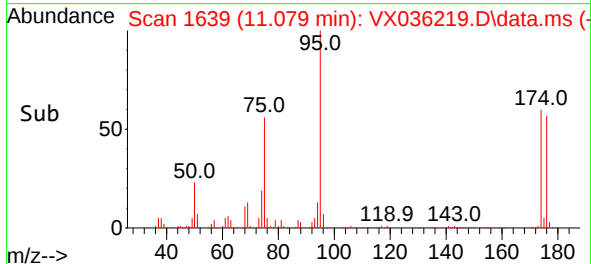
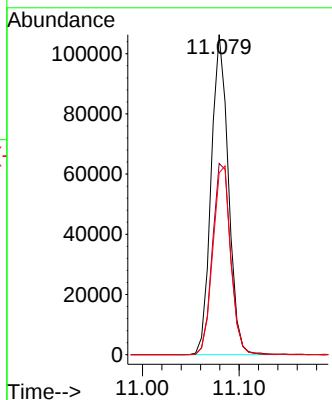
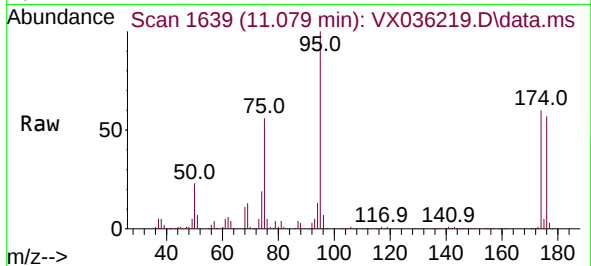




#62
4-Bromofluorobenzene
Concen: 49.082 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

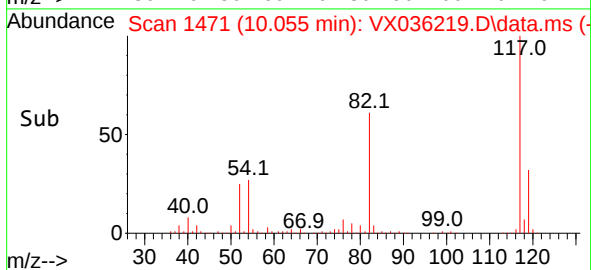
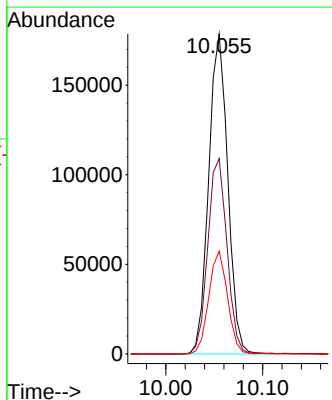
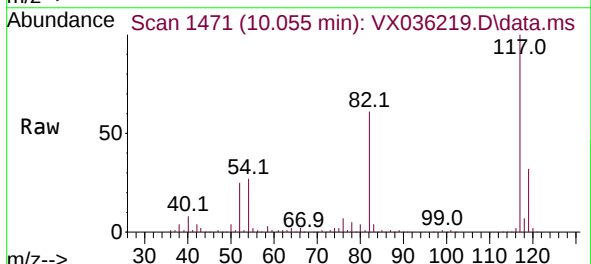
Instrument :
MSVOA_X
ClientSampleId :

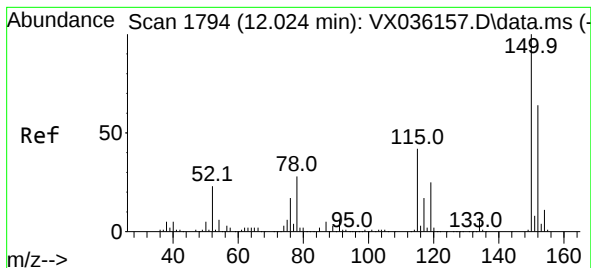
Tgt Ion: 95 Resp: 131062
Ion Ratio Lower Upper
95 100
174 63.4 0.0 135.6
176 61.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036219.D
Acq: 19 Jun 2023 20:23

Tgt Ion: 117 Resp: 244980
Ion Ratio Lower Upper
117 100
82 61.0 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# 1

Delta R.T. 0.000 min

Lab File: VX036219.D

Acq: 19 Jun 2023 20:23

Instrument :

MSVOA_X

ClientSampleId :

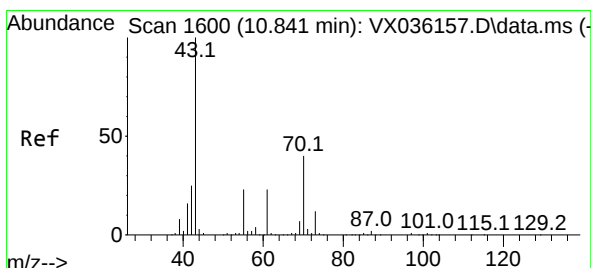
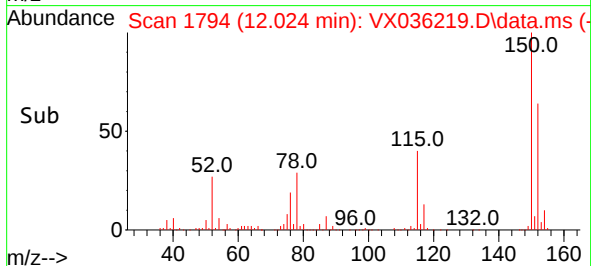
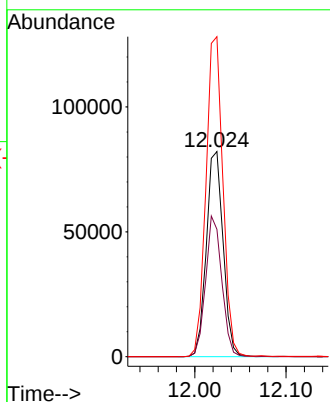
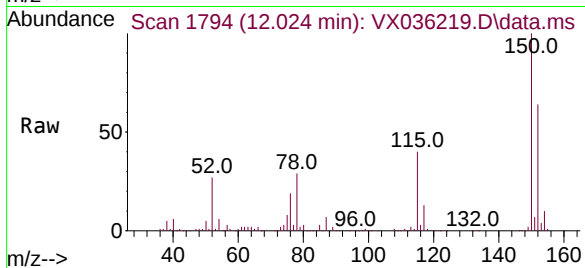
Tgt Ion:152 Resp: 104591

Ion Ratio Lower Upper

152 100

115 66.0 43.3 129.9

150 157.2 0.0 345.0



#74

N-ethyl acetate

Concen: 15.579 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX036219.D

Acq: 19 Jun 2023 20:23

Tgt Ion: 43 Resp: 54637

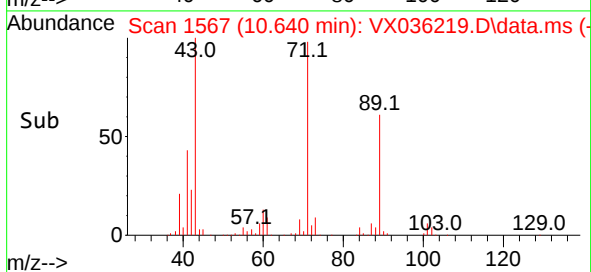
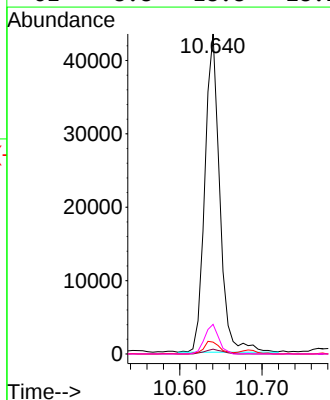
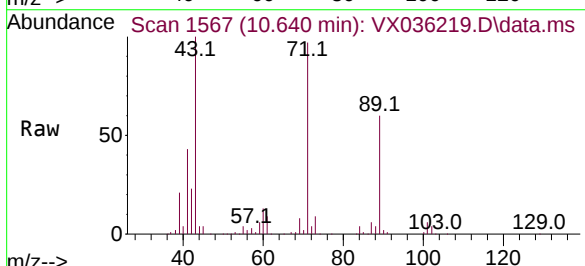
Ion Ratio Lower Upper

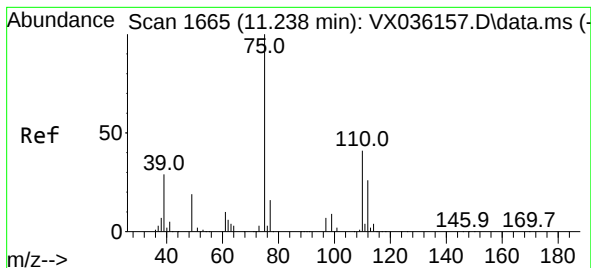
43 100

70 1.7 32.9 49.3#

55 4.3 19.3 28.9#

61 8.8 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 29.383 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036219.D

Acq: 19 Jun 2023 20:23

Instrument :

MSVOA_X

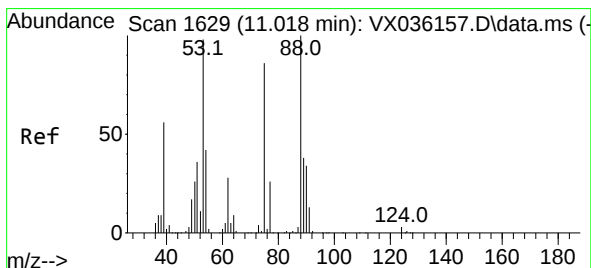
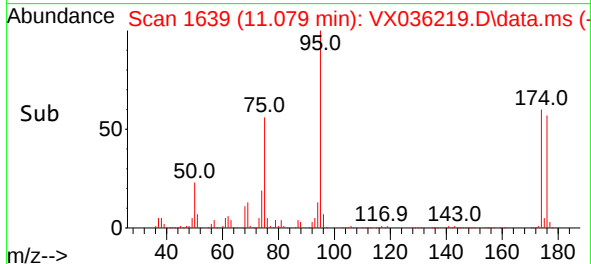
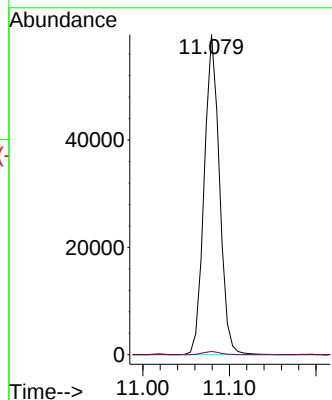
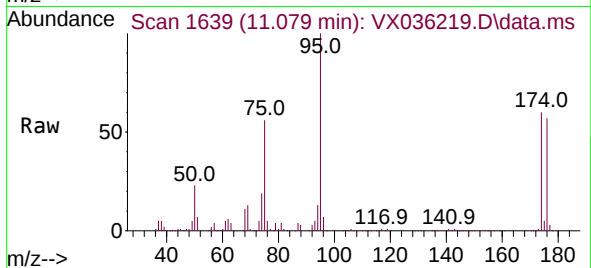
ClientSampleId :

Tgt Ion: 75 Resp: 72935

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.846 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036219.D

Acq: 19 Jun 2023 20:23

Tgt Ion: 75 Resp: 72935

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

