

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091923\
 Data File : VX037813.D
 Acq On : 19 Sep 2023 17:59
 Operator : JC/MD
 Sample : PB155628TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 01:06:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

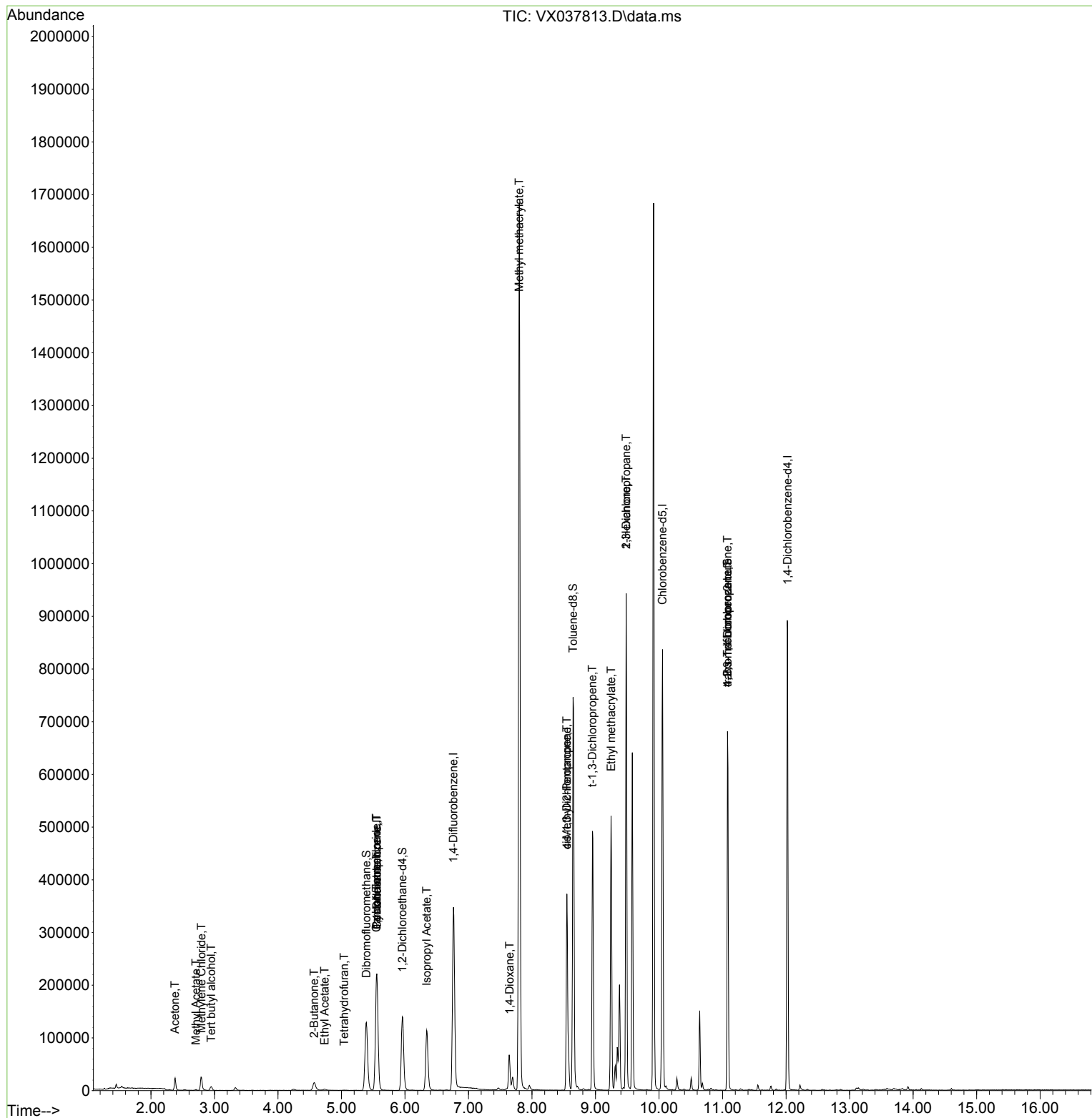
Internal Standards						
1) Pentafluorobenzene	5.556	168	214357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	366918	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	372524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	193747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	135345	48.057	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.120%		
35) Dibromofluoromethane	5.391	113	114221	46.525	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.040%		
50) Toluene-d8	8.647	98	457307	50.132	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.260%		
62) 4-Bromofluorobenzene	11.079	95	177086	53.423	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.840%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	4716	7.801	ug/l #	89
16) Acetone	2.380	43	23861	17.612	ug/l	92
18) Methyl Acetate	2.709	43	1598	0.327	ug/l	95
20) Methylene Chloride	2.794	84	13372	5.316	ug/l #	88
25) 2-Butanone	4.568	43	14824	7.754	ug/l	97
29) Tetrahydrofuran	5.044	42	451	0.379	ug/l #	58
31) Cyclohexane	5.556	56	4405	1.219	ug/l #	18
36) 1,1-Dichloropropene	5.556	75	16229	4.799	ug/l #	51
37) Ethyl Acetate	4.733	43	3408	0.917	ug/l	95
38) Carbon Tetrachloride	5.550	117	21422	6.054	ug/l #	15
43) Isopropyl Acetate	6.342	43	153902	25.887	ug/l	95
48) Methyl methacrylate	7.799	41	141275	49.710	ug/l #	49
49) 1,4-Dioxane	7.647	88	87	1.168	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	144504	38.310	ug/l #	37
53) t-1,3-Dichloropropene	8.952	75	1108	0.296	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	60247	14.550	ug/l #	55
56) Ethyl methacrylate	9.244	69	1455	0.345	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	8524	1.864	ug/l #	42
59) 2-Hexanone	9.482	43	101797	34.662	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	89359	19.941	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	89359	63.878	ug/l #	5

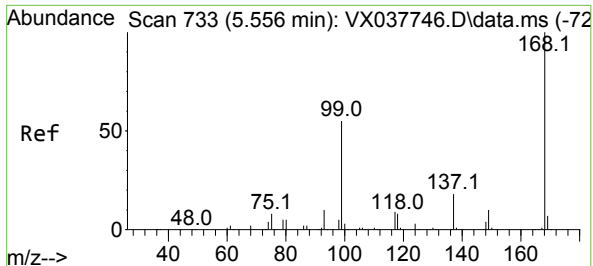
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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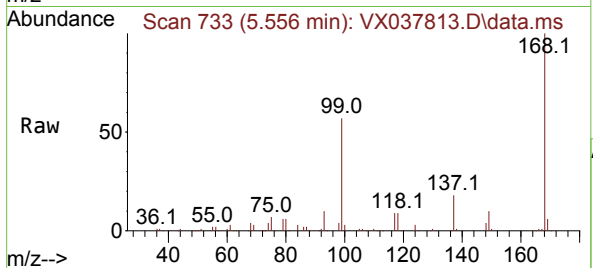
Quant Time: Sep 20 01:06:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration



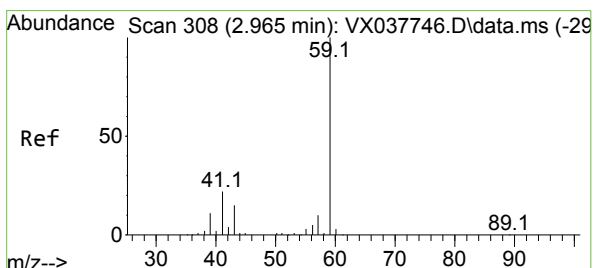
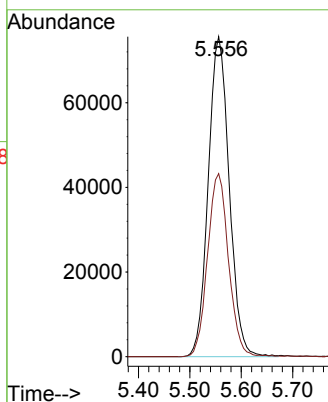
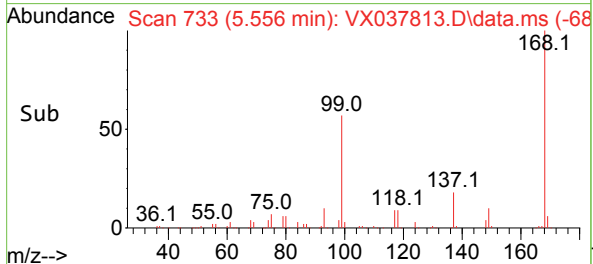


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

Instrument :
MSVOA_X
ClientSampleId :

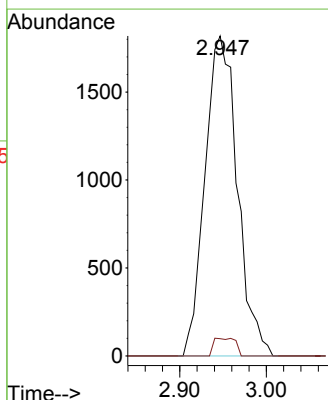
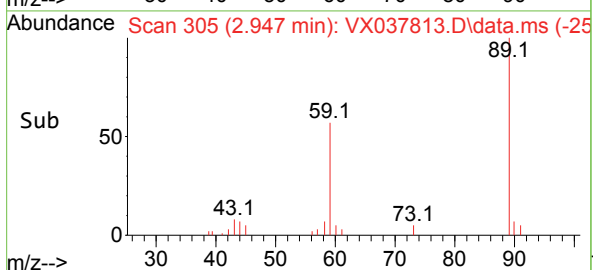
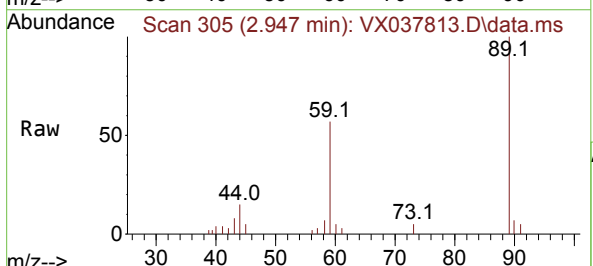


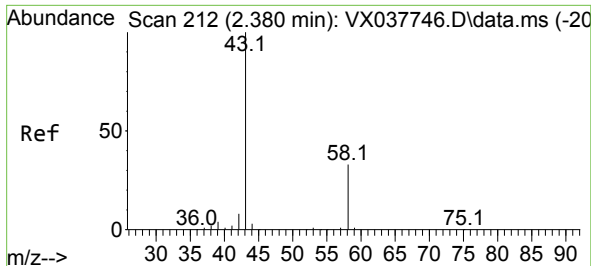
Tgt Ion:168 Resp: 214357
Ion Ratio Lower Upper
168 100
99 57.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 7.801 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

Tgt Ion: 59 Resp: 4716
Ion Ratio Lower Upper
59 100
57 3.7 6.0 9.0#

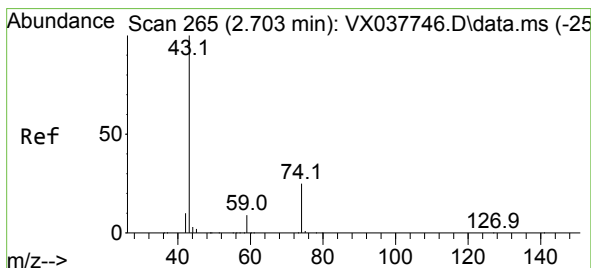
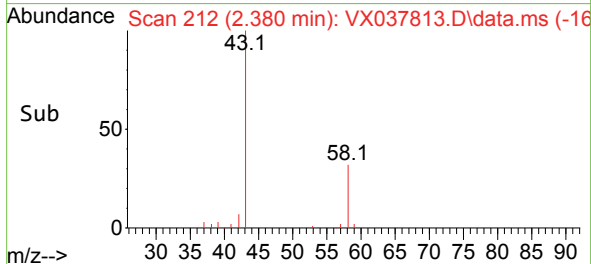
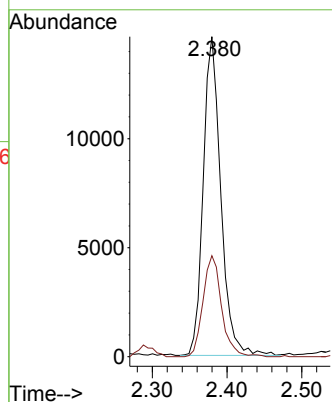
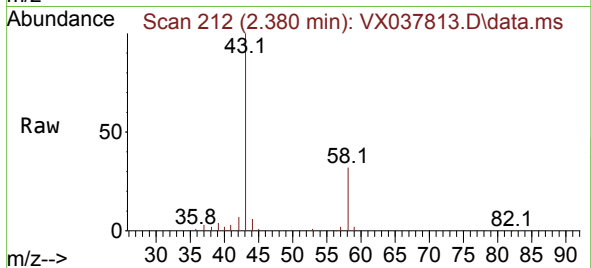




#16
Acetone
Concen: 17.612 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

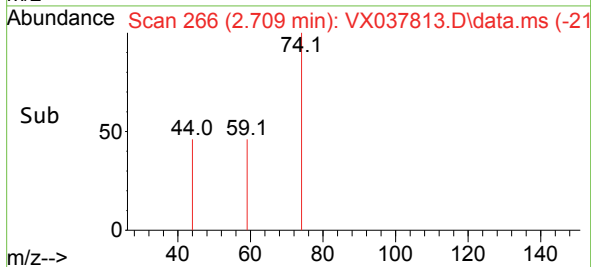
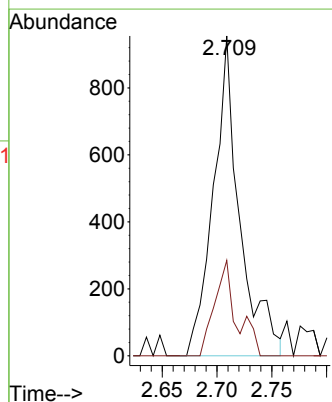
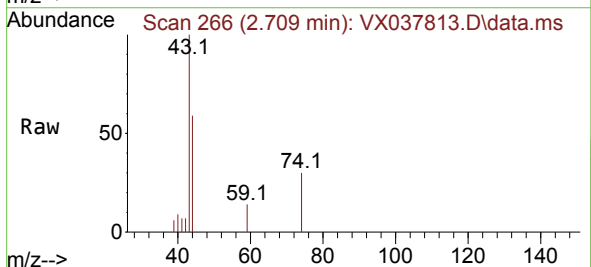
Instrument :
MSVOA_X
ClientSampleId :

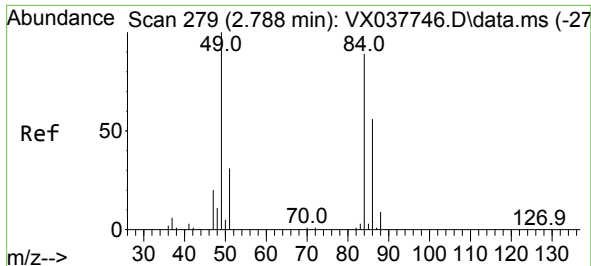
Tgt Ion: 43 Resp: 23861
Ion Ratio Lower Upper
43 100
58 31.7 21.9 32.9



#18
Methyl Acetate
Concen: 0.327 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

Tgt Ion: 43 Resp: 1598
Ion Ratio Lower Upper
43 100
74 24.9 17.8 26.8





#20

Methylene Chloride

Concen: 5.316 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

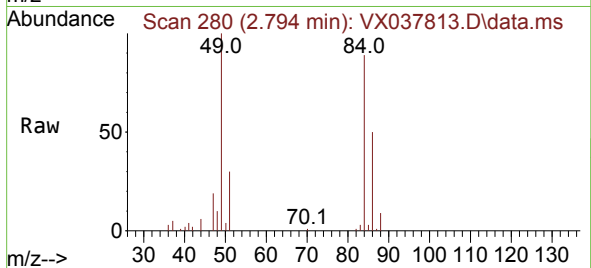
Lab File: VX037813.D

Acq: 19 Sep 2023 17:59

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 13372

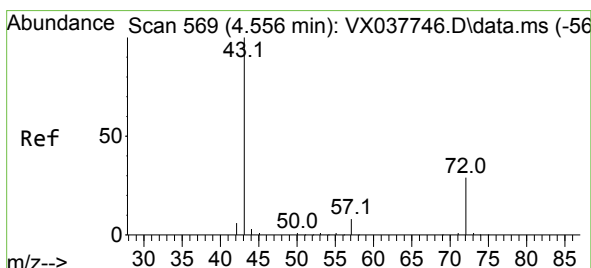
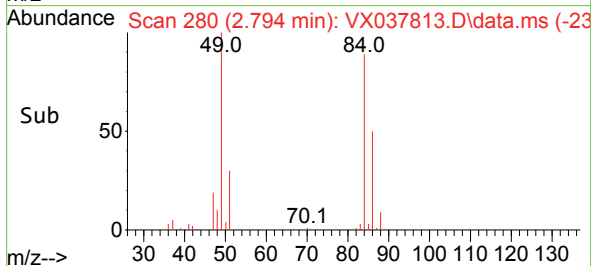
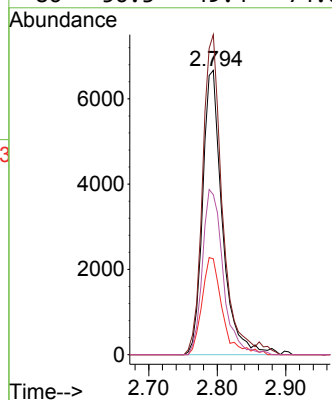
Ion Ratio Lower Upper

84 100

49 112.6 103.6 155.4

51 33.7 33.8 50.6#

86 56.3 49.4 74.0



#25

2-Butanone

Concen: 7.754 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.000 min

Lab File: VX037813.D

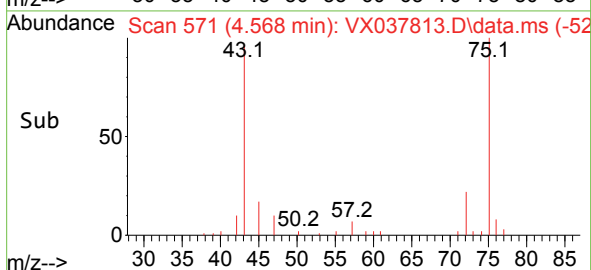
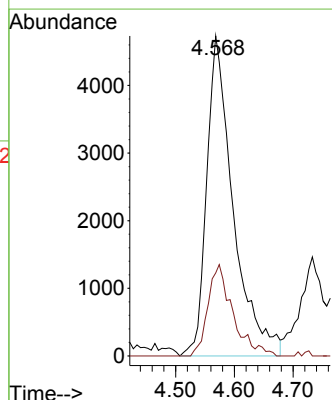
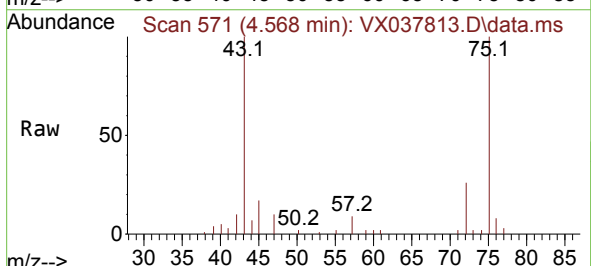
Acq: 19 Sep 2023 17:59

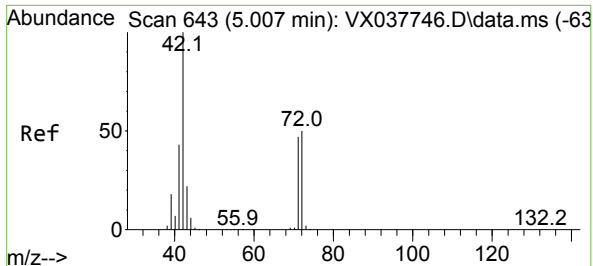
Tgt Ion: 43 Resp: 14824

Ion Ratio Lower Upper

43 100

72 26.0 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.379 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.030 min

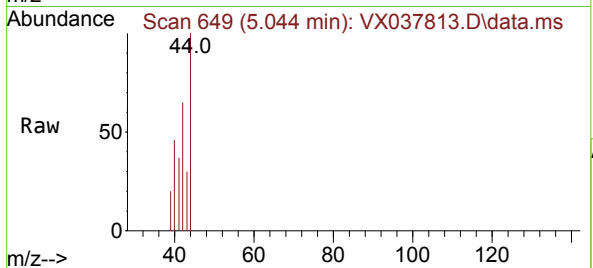
Lab File: VX037813.D

Acq: 19 Sep 2023 17:59

Instrument :

MSVOA_X

ClientSampleId :



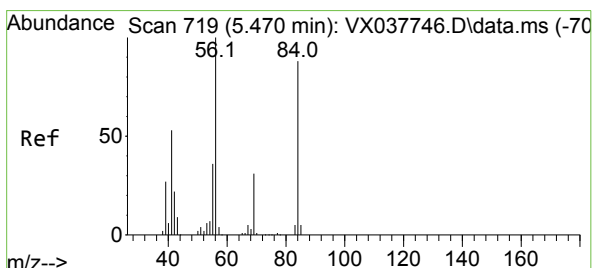
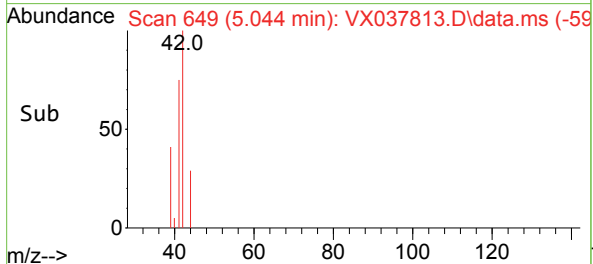
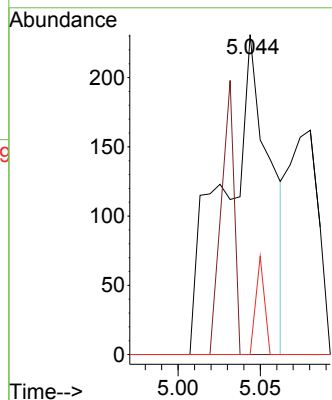
Tgt Ion: 42 Resp: 451

Ion Ratio Lower Upper

42 100

72 23.9 34.2 51.4#

71 5.8 32.2 48.2#



#31

Cyclohexane

Concen: 1.219 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX037813.D

Acq: 19 Sep 2023 17:59

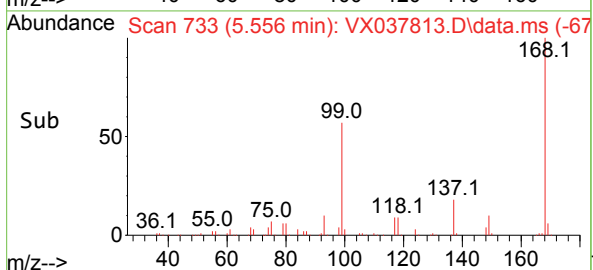
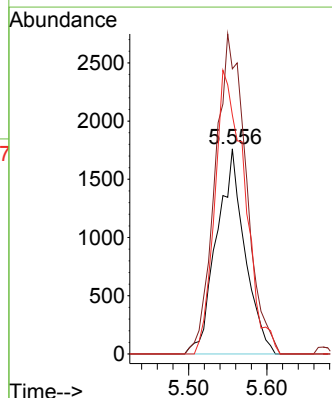
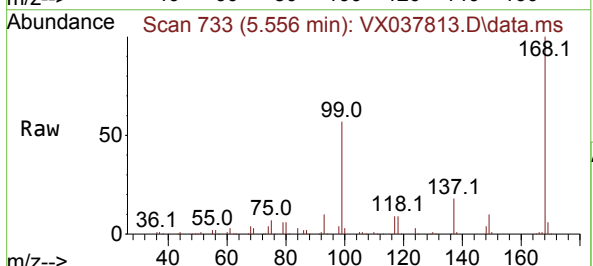
Tgt Ion: 56 Resp: 4405

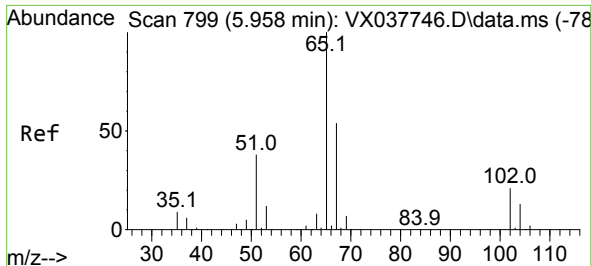
Ion Ratio Lower Upper

56 100

69 139.0 23.4 35.2#

84 116.5 65.9 98.9#

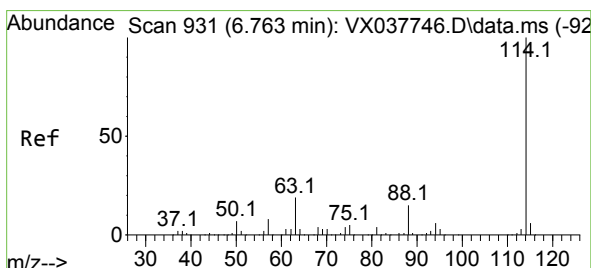
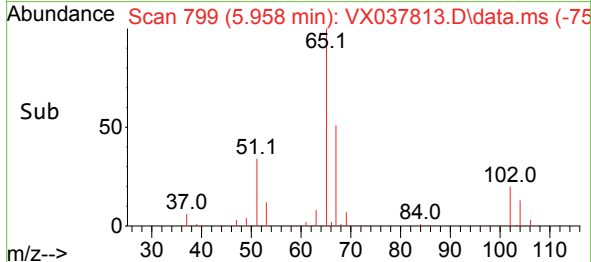
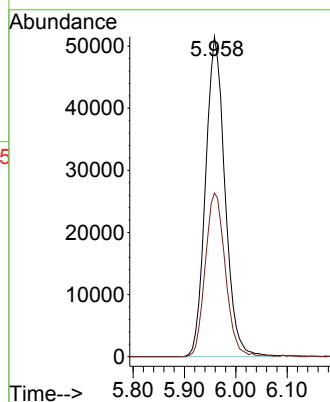
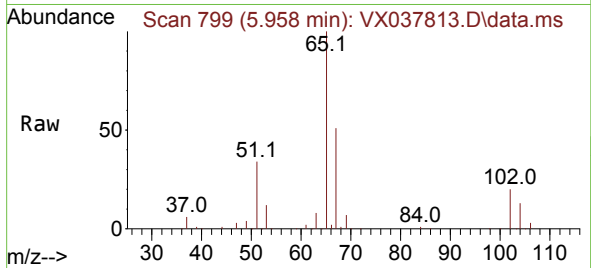




#33
1,2-Dichloroethane-d4
Concen: 48.057 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

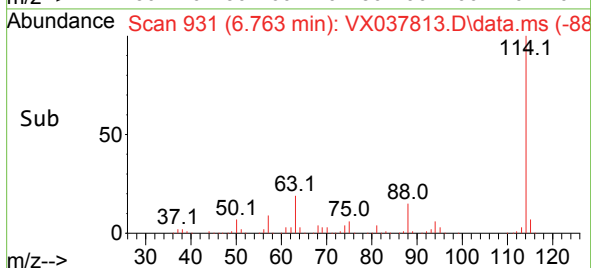
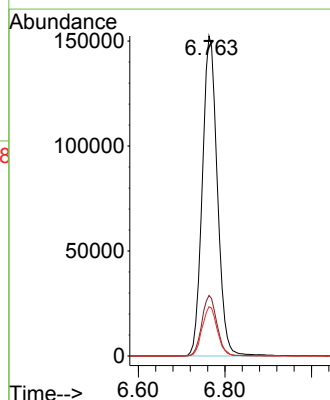
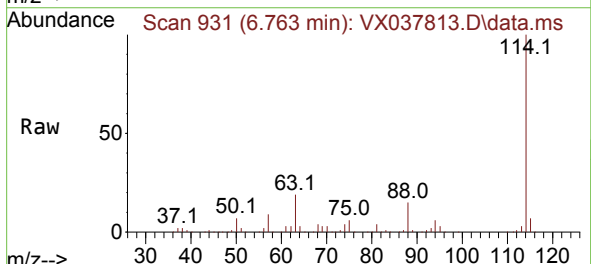
Instrument :
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ClientSampleId :

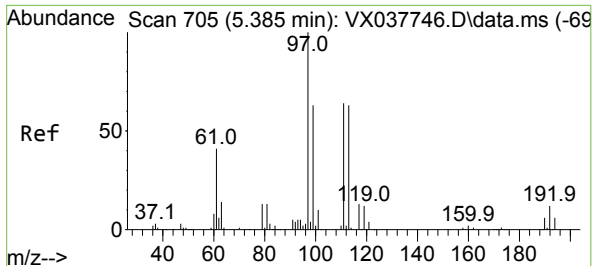
Tgt Ion: 65 Resp: 135345
Ion Ratio Lower Upper
65 100
67 52.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

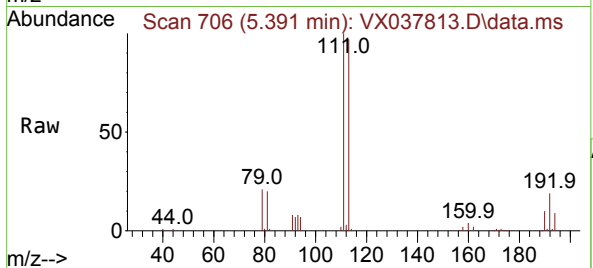
Tgt Ion:114 Resp: 366918
Ion Ratio Lower Upper
114 100
63 18.9 0.0 45.0
88 15.4 0.0 36.6



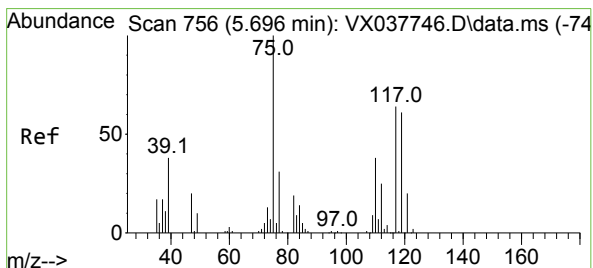
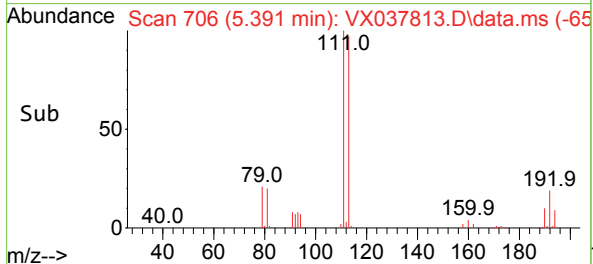
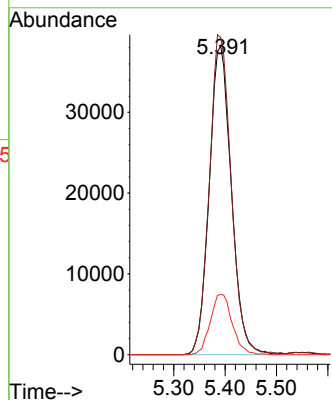


#35
Dibromofluoromethane
Concen: 46.525 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

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ClientSampleId :

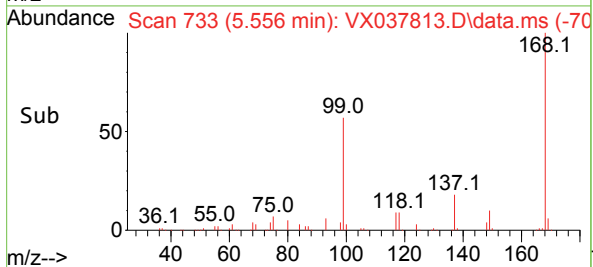
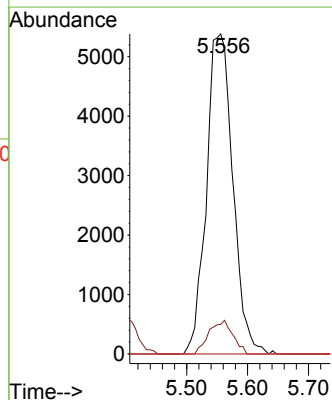
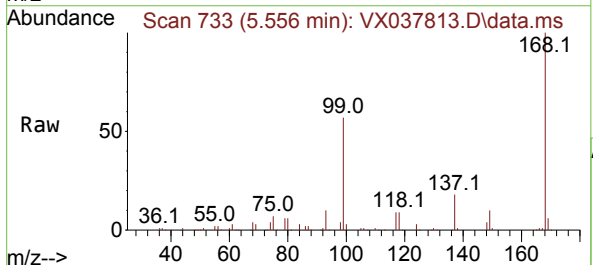


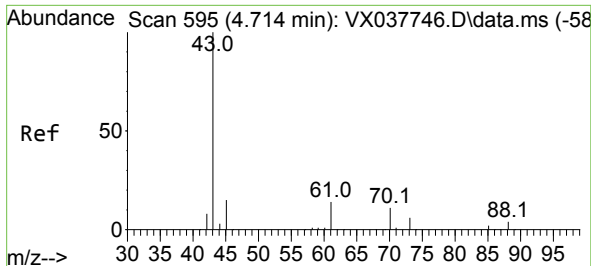
Tgt Ion:113 Resp: 114221
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 19.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.799 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

Tgt Ion: 75 Resp: 16229
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.917 ug/l

RT: 4.733 min Scan# 598

Delta R.T. -0.000 min

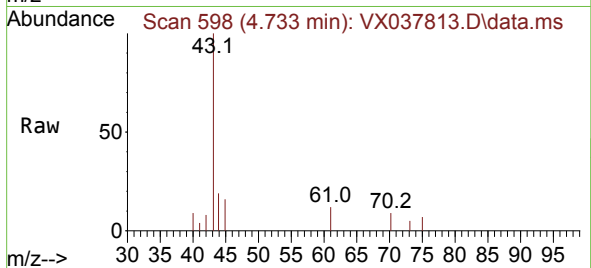
Lab File: VX037813.D

Acq: 19 Sep 2023 17:59

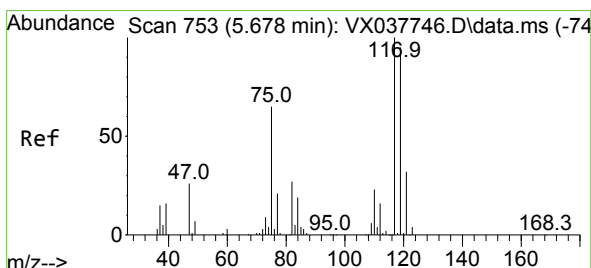
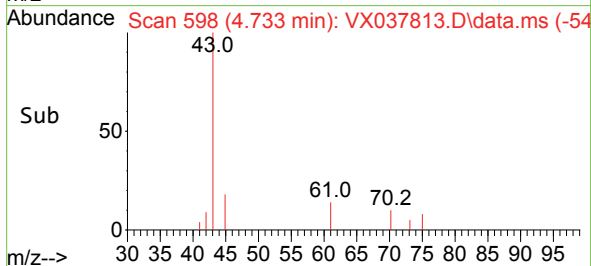
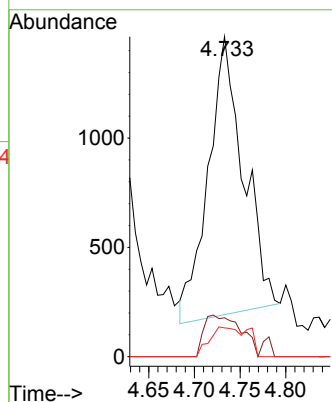
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 3408
Ion Ratio	Lower Upper
43	100
61	15.7 10.6 16.0
70	11.6 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.054 ug/l

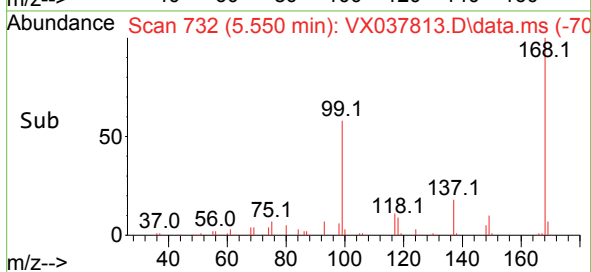
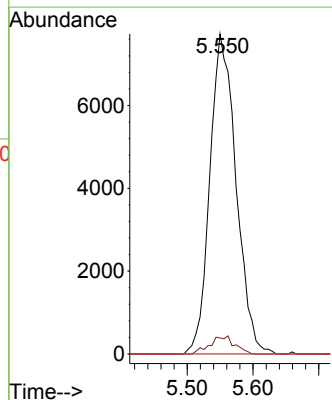
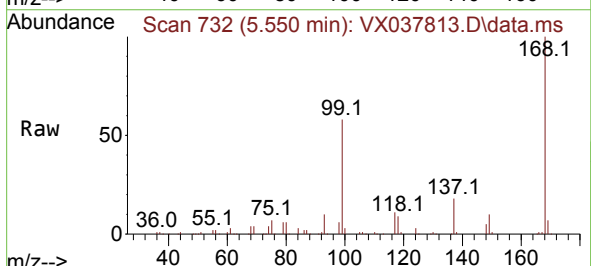
RT: 5.550 min Scan# 732

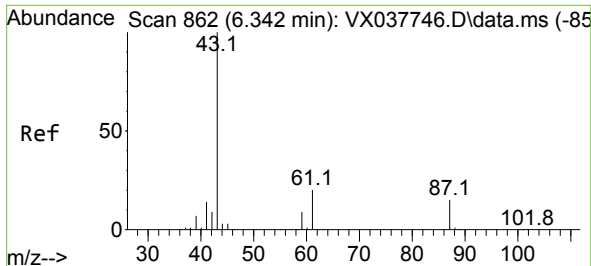
Delta R.T. -0.128 min

Lab File: VX037813.D

Acq: 19 Sep 2023 17:59

Tgt Ion: 117	Resp: 21422
Ion Ratio	Lower Upper
117	100
119	5.0 78.2 117.2#
121	0.0 24.4 36.6#

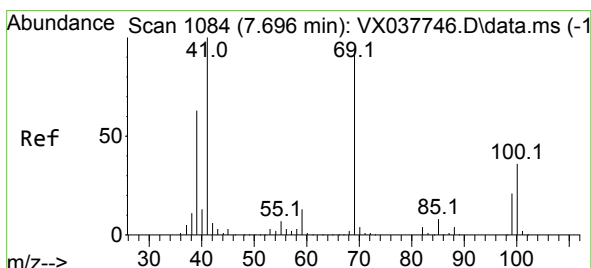
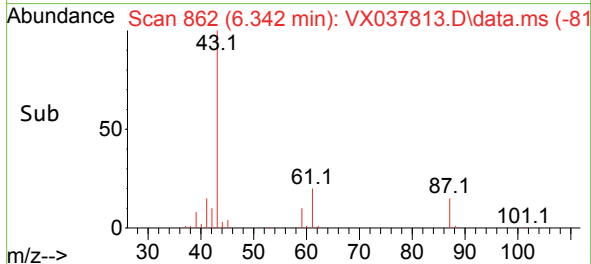
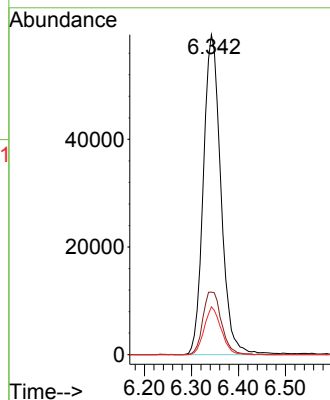
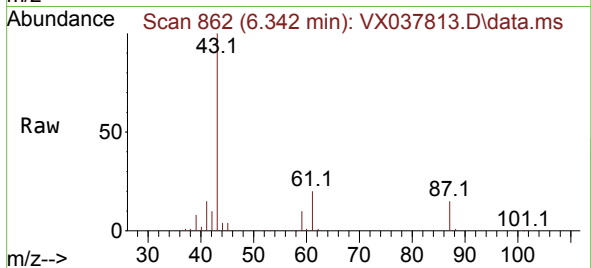




#43
Isopropyl Acetate
Concen: 25.887 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

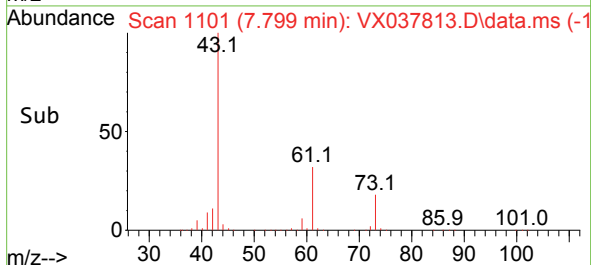
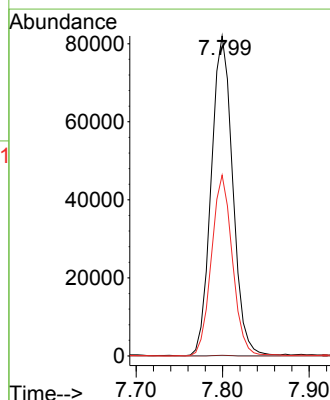
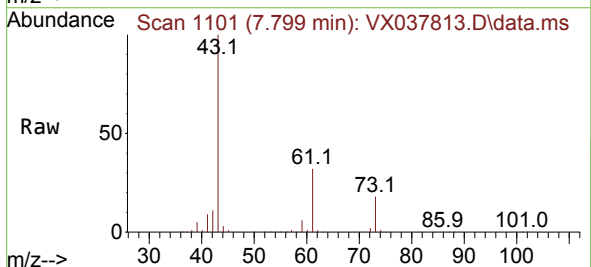
Instrument :
MSVOA_X
ClientSampleId :

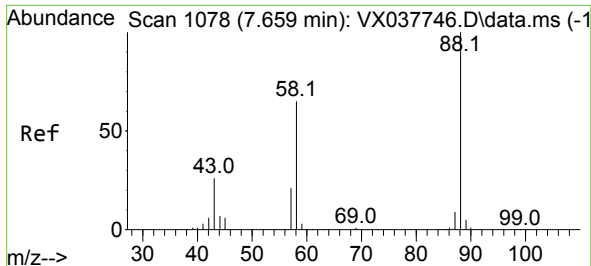
Tgt Ion: 43 Resp: 153902
Ion Ratio Lower Upper
43 100
61 20.7 15.2 22.8
87 14.4 9.8 14.6



#48
Methyl methacrylate
Concen: 49.710 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

Tgt Ion: 41 Resp: 141275
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 55.4 47.7 71.5

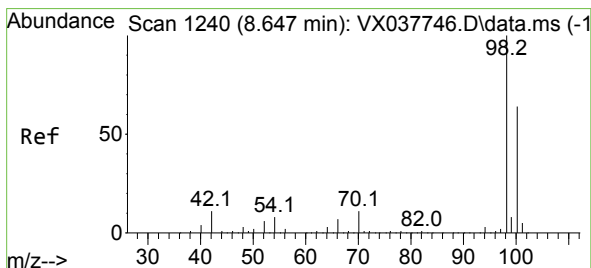
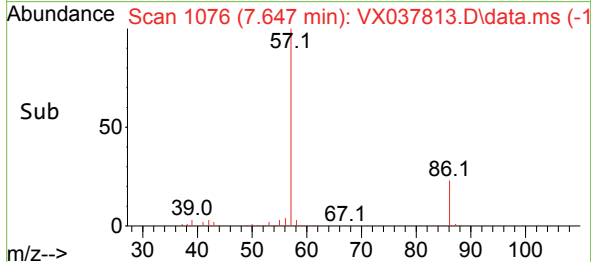
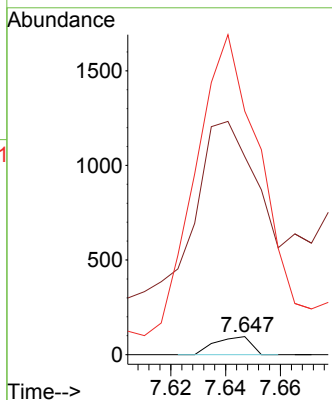
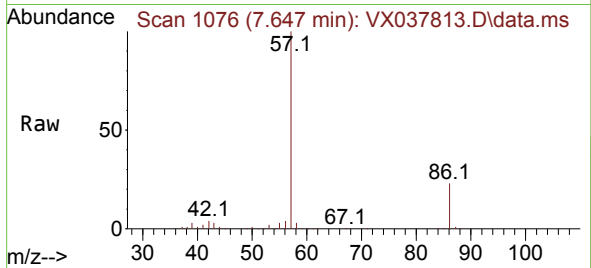




#49
1,4-Dioxane
Concen: 1.168 ug/l
RT: 7.647 min Scan# 1078
Delta R.T. -0.024 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

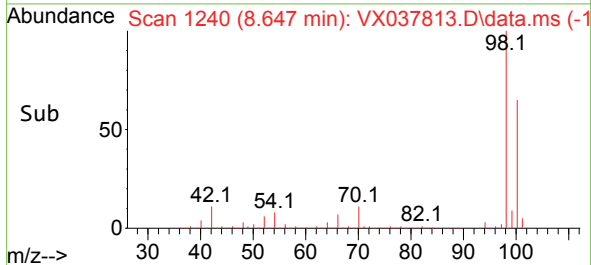
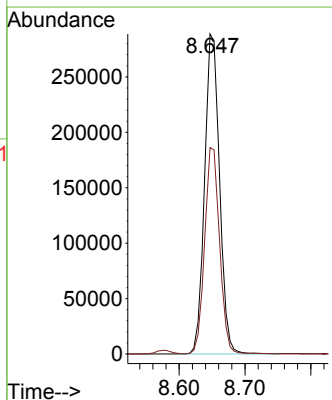
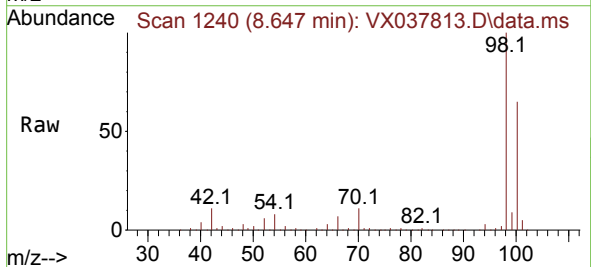
Instrument :
MSVOA_X
ClientSampleId :

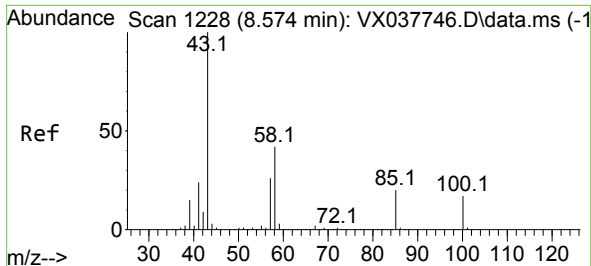
Tgt Ion: 88 Resp: 87
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 3455.2 60.1 90.1#



#50
Toluene-d8
Concen: 50.132 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

Tgt Ion: 98 Resp: 457307
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7

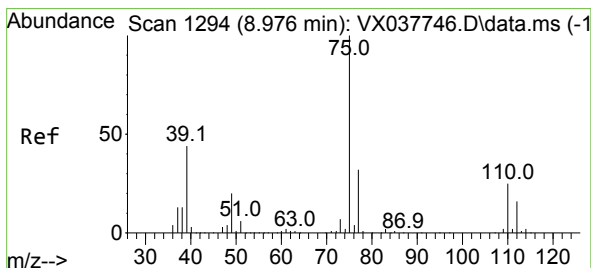
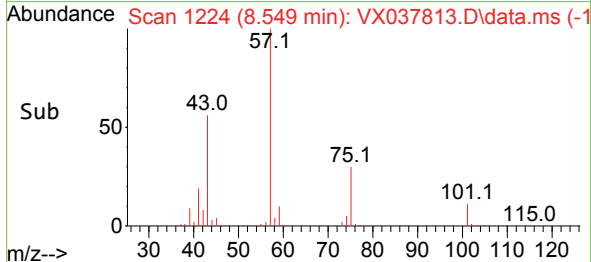
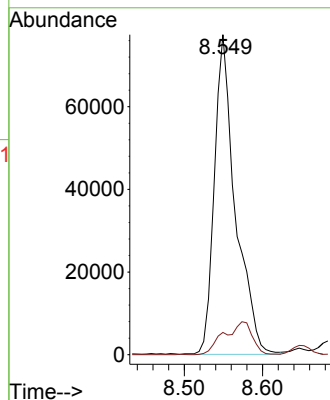
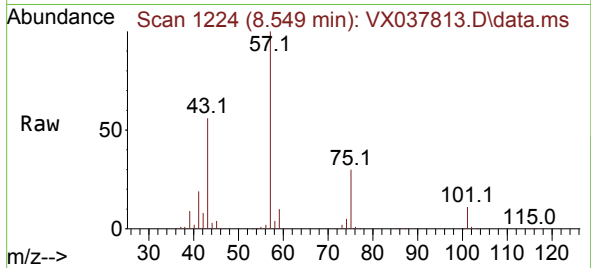




#51
4-Methyl-2-Pentanone
Concen: 38.310 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

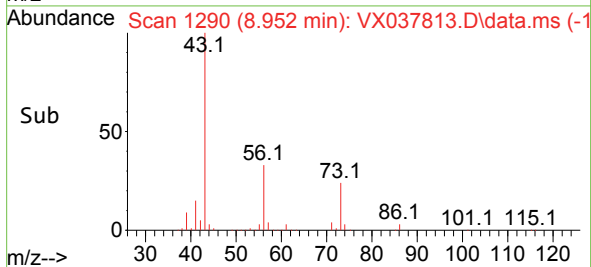
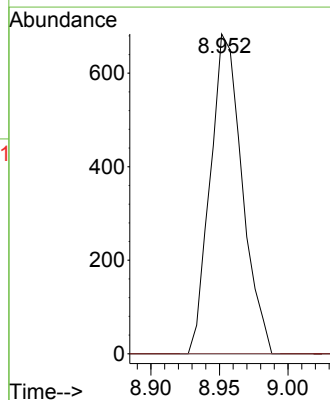
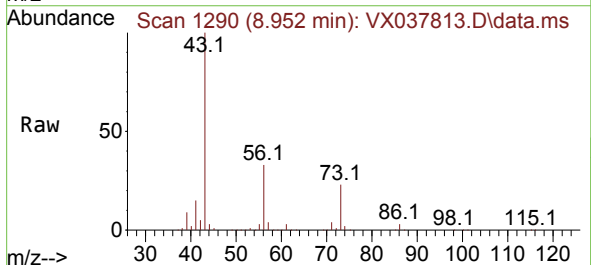
Instrument :
MSVOA_X
ClientSampleId :

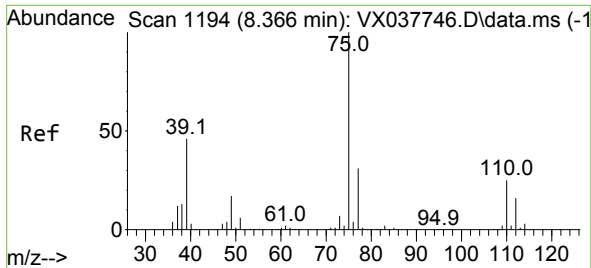
Tgt Ion: 43 Resp: 144504
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.296 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.037 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

Tgt Ion: 75 Resp: 1108
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

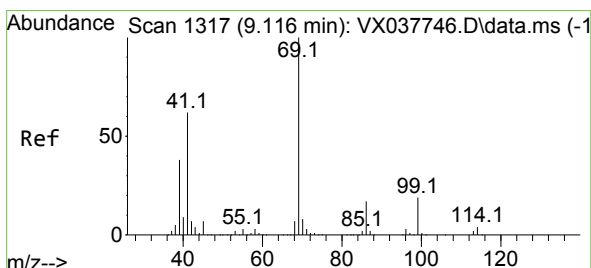
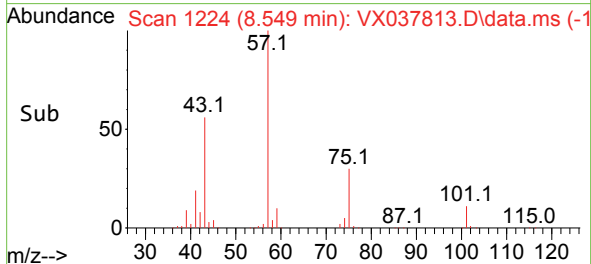
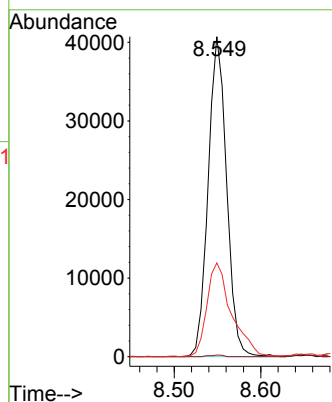
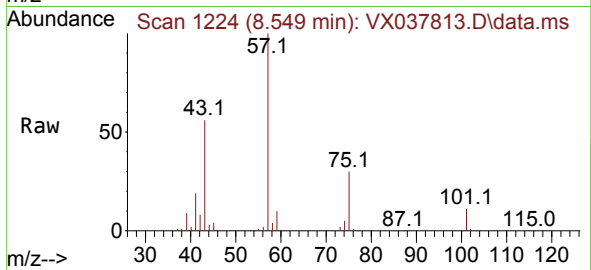




#54
cis-1,3-Dichloropropene
Concen: 14.550 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.177 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

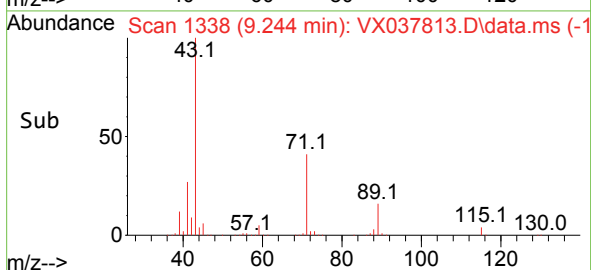
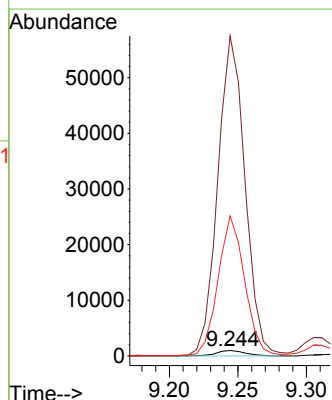
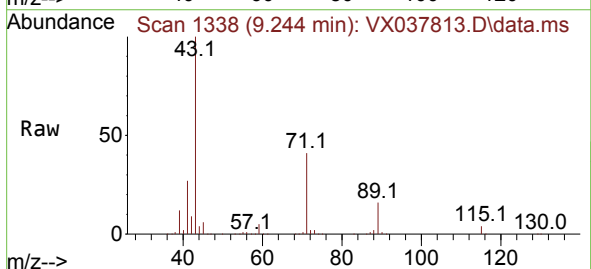
Instrument :
MSVOA_X
ClientSampleId :

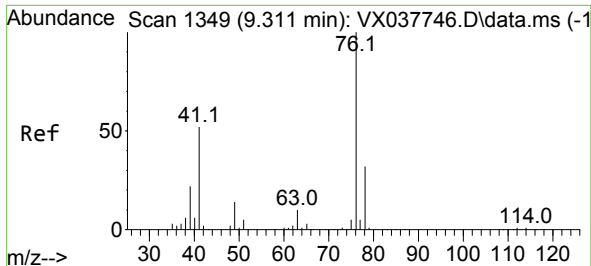
Tgt Ion: 75 Resp: 60247
Ion Ratio Lower Upper
75 100
77 0.5 25.3 37.9#
39 29.3 46.7 70.1#



#56
Ethyl methacrylate
Concen: 0.345 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.122 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

Tgt Ion: 69 Resp: 1455
Ion Ratio Lower Upper
69 100
41 5466.0 56.8 85.2#
39 2338.2 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.864 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX037813.D

Acq: 19 Sep 2023 17:59

Instrument :

MSVOA_X

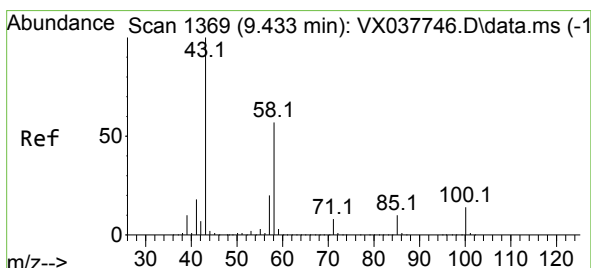
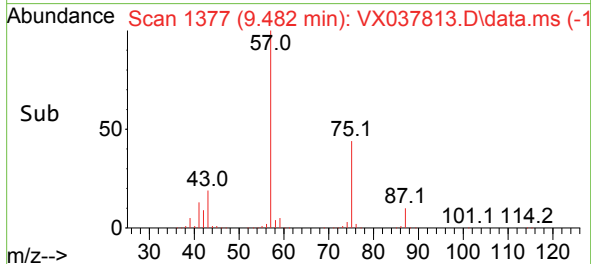
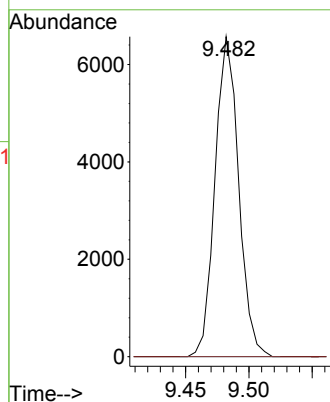
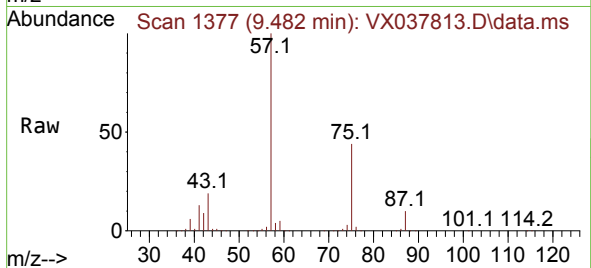
ClientSampleId :

Tgt Ion: 76 Resp: 8524

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 34.662 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX037813.D

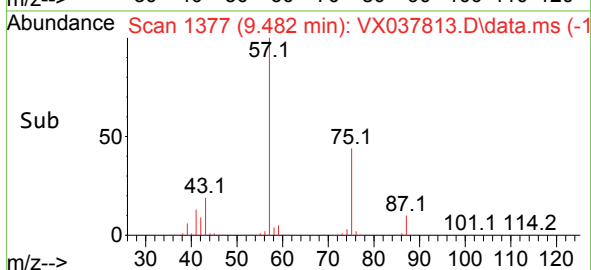
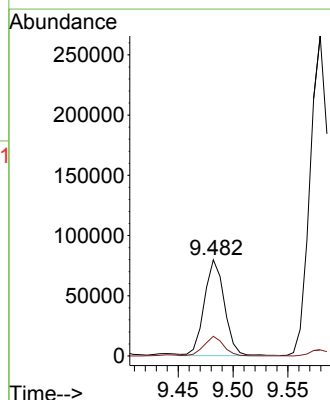
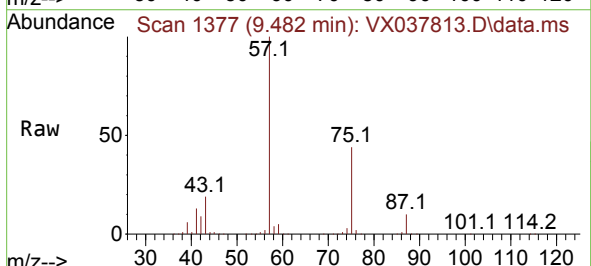
Acq: 19 Sep 2023 17:59

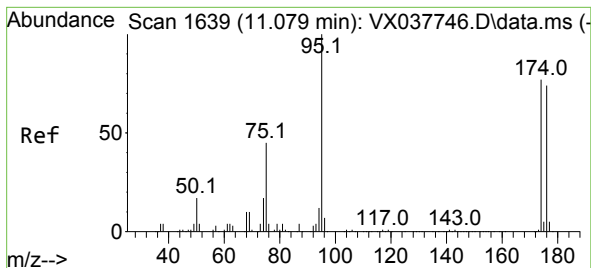
Tgt Ion: 43 Resp: 101797

Ion Ratio Lower Upper

43 100

58 20.1 26.2 78.5#

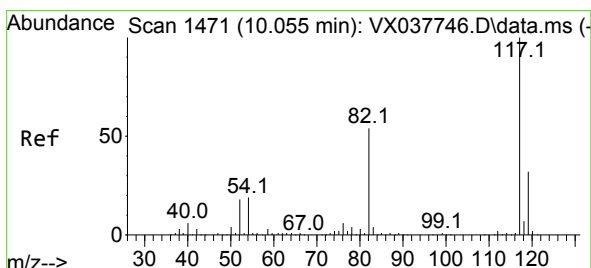
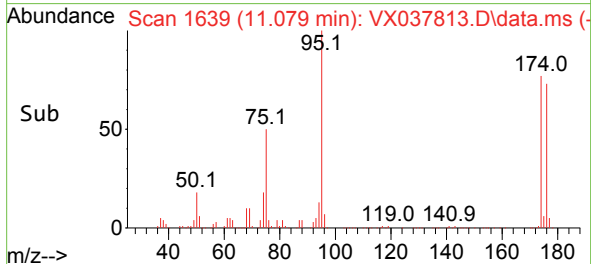
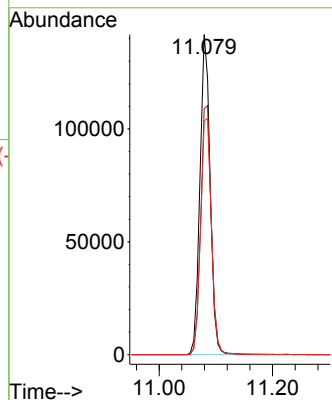
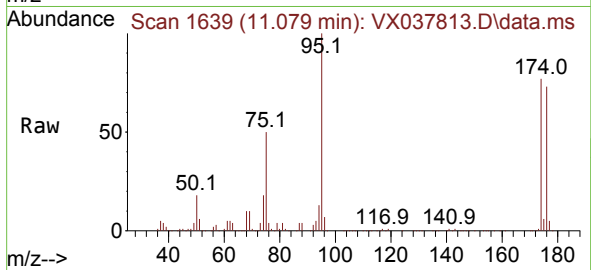




#62
4-Bromofluorobenzene
Concen: 53.423 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

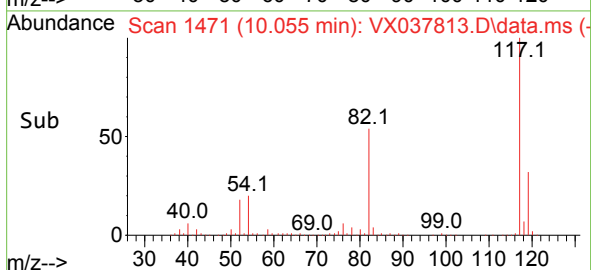
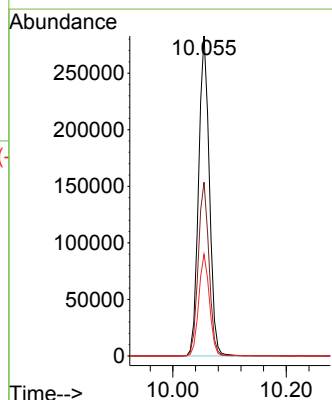
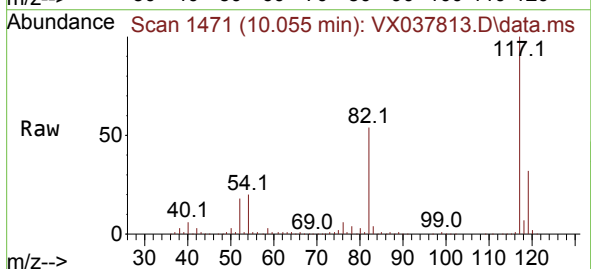
Instrument :
MSVOA_X
ClientSampleId :

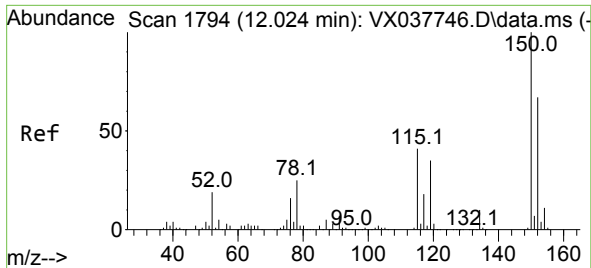
Tgt Ion: 95 Resp: 177086
Ion Ratio Lower Upper
95 100
174 81.3 0.0 135.6
176 78.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037813.D
Acq: 19 Sep 2023 17:59

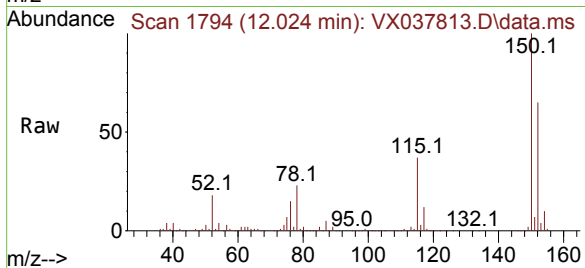
Tgt Ion: 117 Resp: 372524
Ion Ratio Lower Upper
117 100
82 54.3 46.2 69.4
119 31.7 25.5 38.3



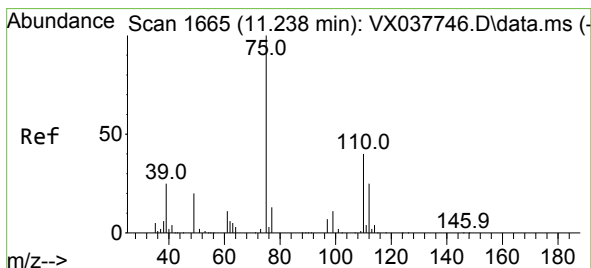
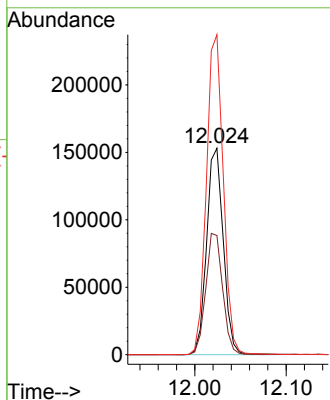
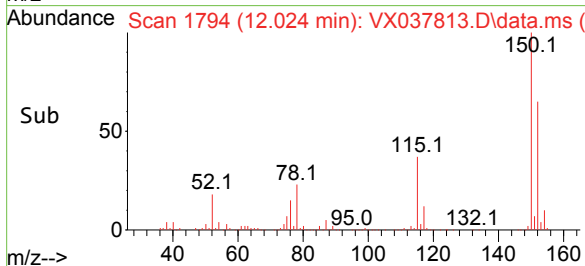


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037813.D
 Acq: 19 Sep 2023 17:59

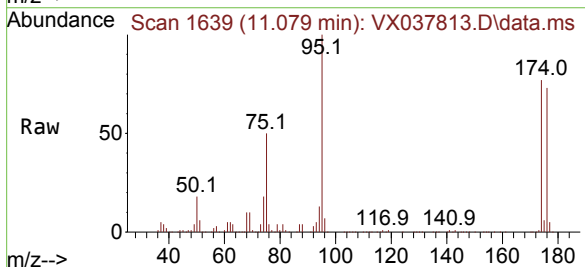
Instrument :
 MSVOA_X
 ClientSampleId :



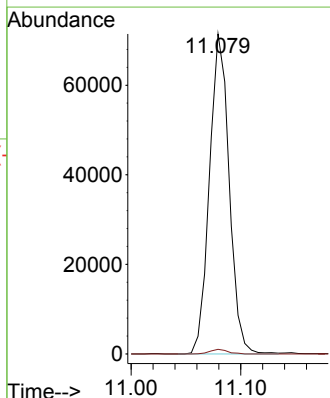
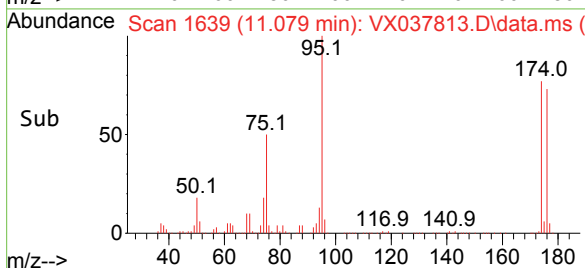
Tgt Ion:152 Resp: 193747
 Ion Ratio Lower Upper
 152 100
 115 59.7 43.3 129.9
 150 156.7 0.0 345.0

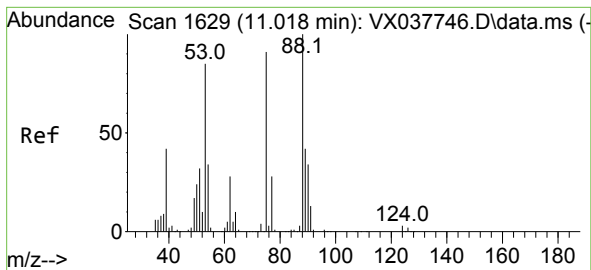


#76
 1,2,3-Trichloropropane
 Concen: 19.941 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037813.D
 Acq: 19 Sep 2023 17:59



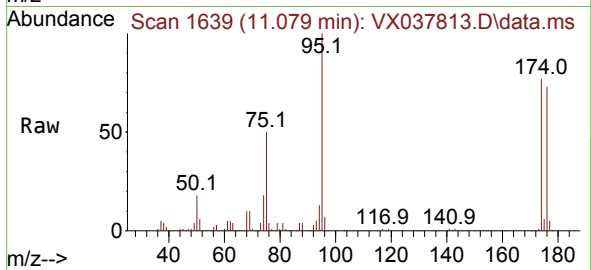
Tgt Ion: 75 Resp: 89359
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.878 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037813.D
 Acq: 19 Sep 2023 17:59

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 89359
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 36.9 55.3#

