

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111423\
 Data File : VX038806.D
 Acq On : 14 Nov 2023 15:12
 Operator : JC/MD
 Sample : 05351-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 14 18:29:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 14 09:15:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	98207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	187384	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101570	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63413	45.387	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.780%
35) Dibromofluoromethane	5.391	113	57596	44.741	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.480%
50) Toluene-d8	8.647	98	225961	47.388	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.780%
62) 4-Bromofluorobenzene	11.079	95	104480	52.406	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.820%

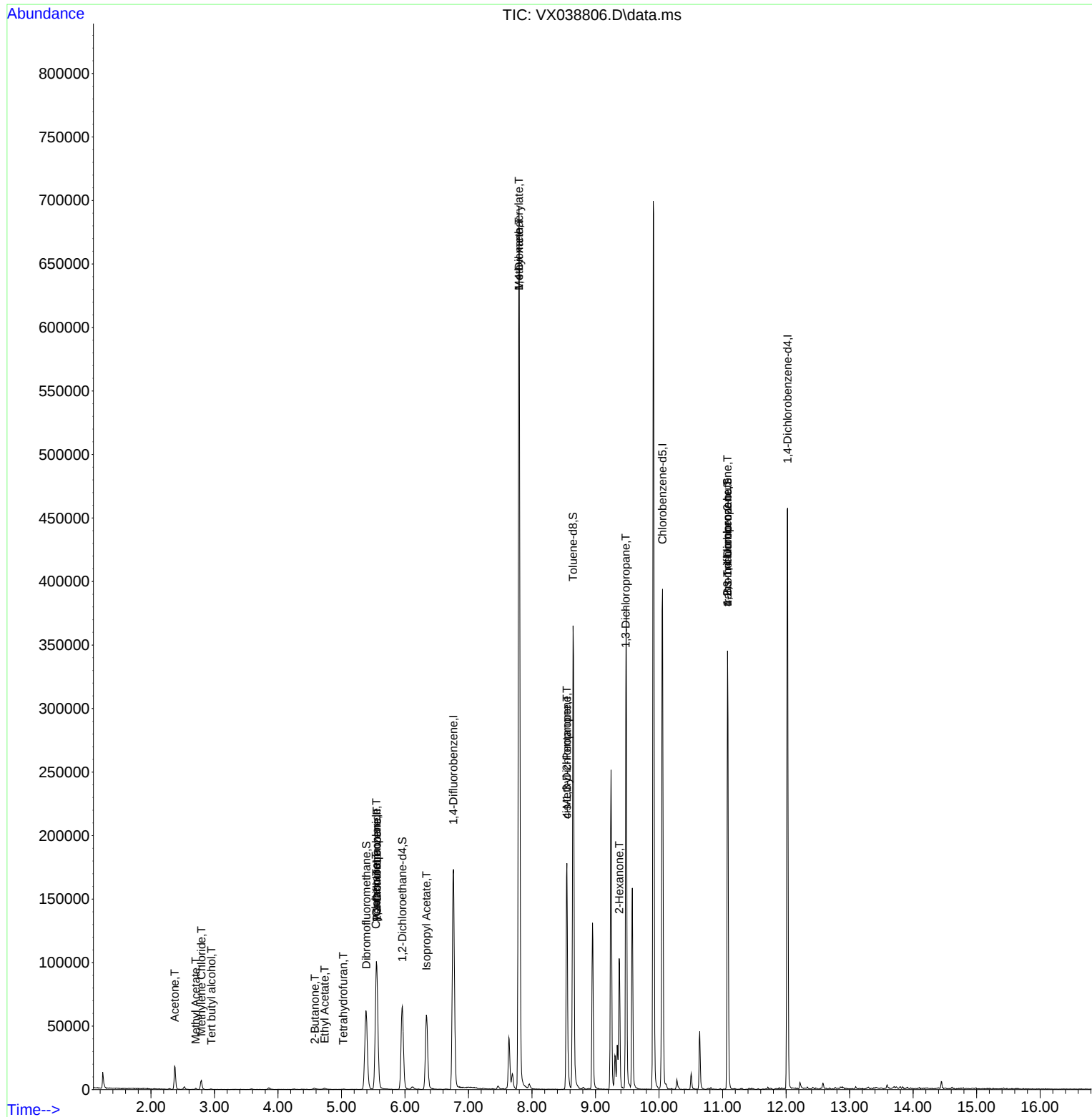
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	382	1.070	ug/l #	78
16) Acetone	2.373	43	19016	25.400	ug/l	92
18) Methyl Acetate	2.703	43	1062	0.306	ug/l #	84
20) Methylene Chloride	2.794	84	3513	2.509	ug/l	87
25) 2-Butanone	4.580	43	1778	1.598	ug/l #	76
29) Tetrahydrofuran	5.025	42	315	0.441	ug/l #	34
31) Cyclohexane	5.544	56	1950	1.025	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	7271	4.017	ug/l #	42
37) Ethyl Acetate	4.733	43	2062	0.994	ug/l #	87
38) Carbon Tetrachloride	5.550	117	10054	6.009	ug/l #	15
43) Isopropyl Acetate	6.336	43	81387	26.034	ug/l	95
48) Methyl methacrylate	7.793	41	58295	38.101	ug/l #	44
49) 1,4-Dioxane	7.793	88	20	0.643	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	61058	28.903	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	31461	15.633	ug/l #	51
57) 1,3-Dichloropropane	9.476	76	3334	1.504	ug/l #	42
59) 2-Hexanone	9.372	43	78597	46.170	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	48384	22.310	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	48384	64.107	ug/l #	5

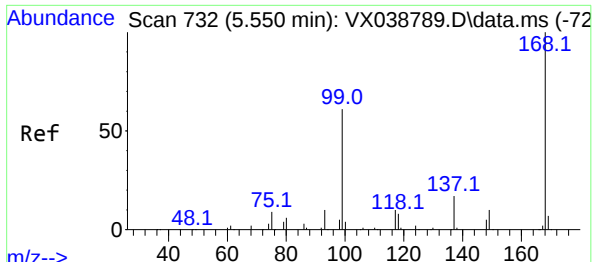
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

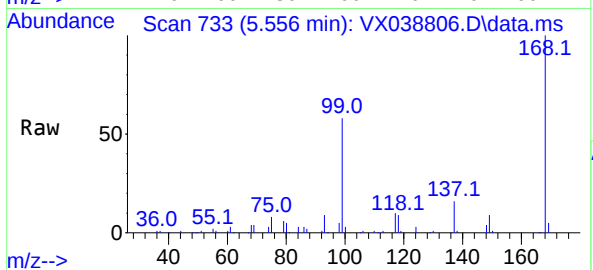
Quant Time: Nov 14 18:29:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111423W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 14 09:15:55 2023
Response via : Initial Calibration



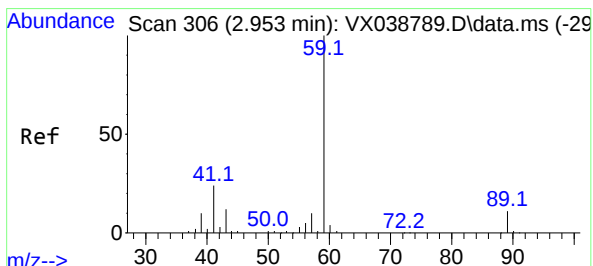
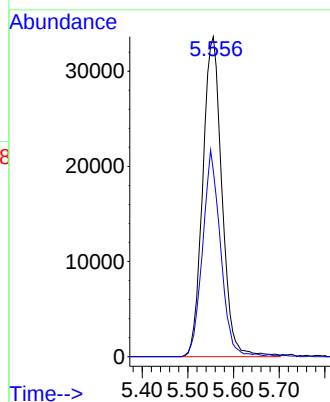
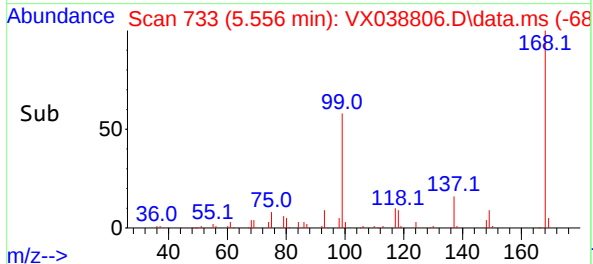


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

Instrument :
MSVOA_X
ClientSampleId :

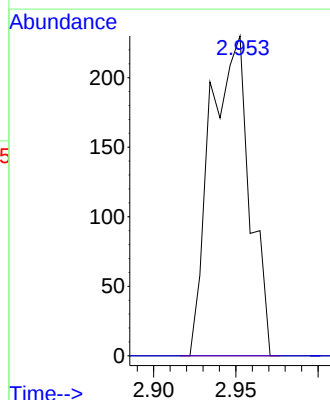
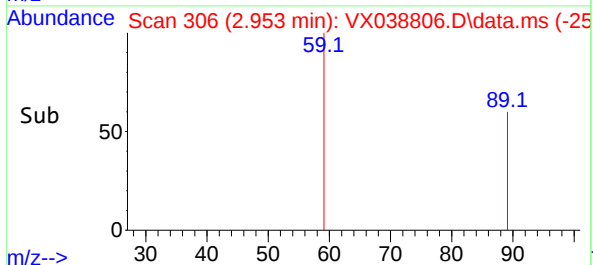
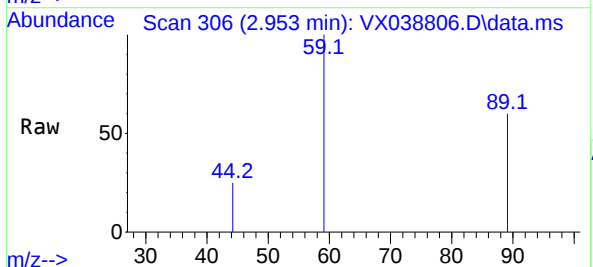


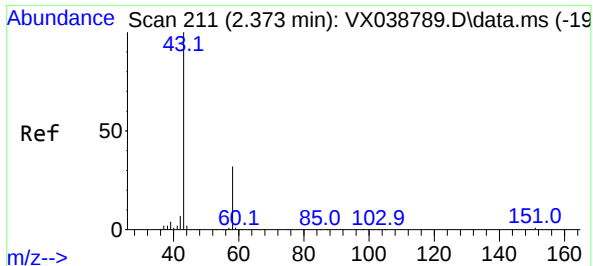
Tgt Ion:168 Resp: 98207
Ion Ratio Lower Upper
168 100
99 58.1 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.070 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.000 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

Tgt Ion: 59 Resp: 382
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

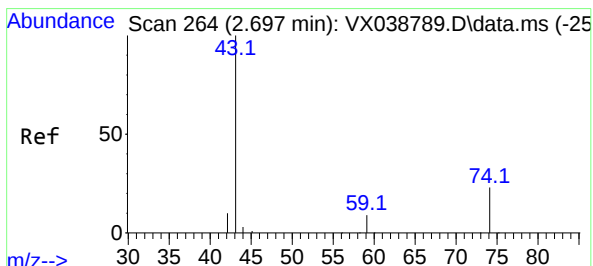
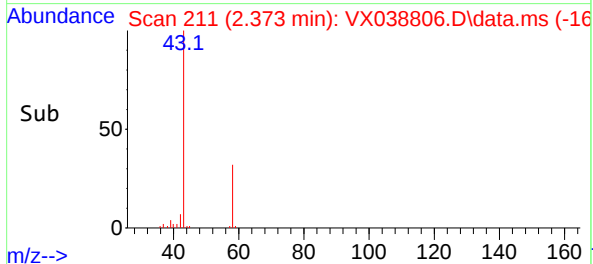
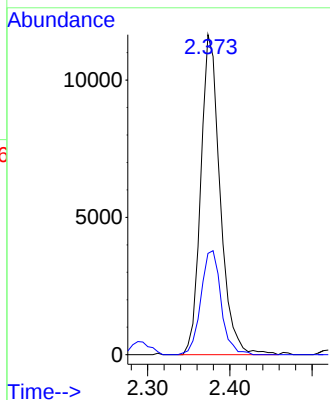
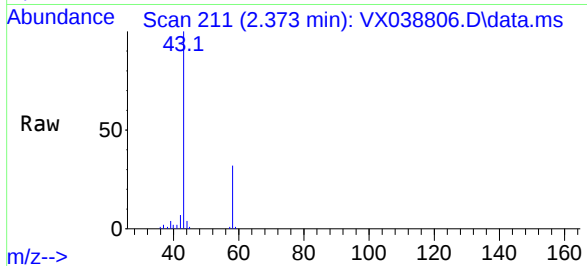




#16
Acetone
Concen: 25.400 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

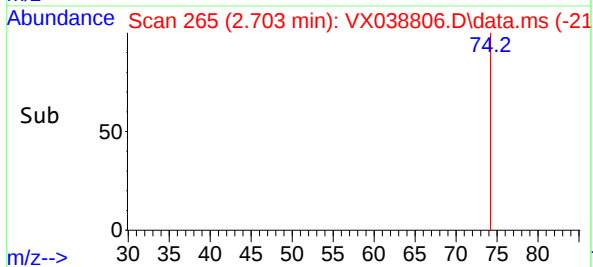
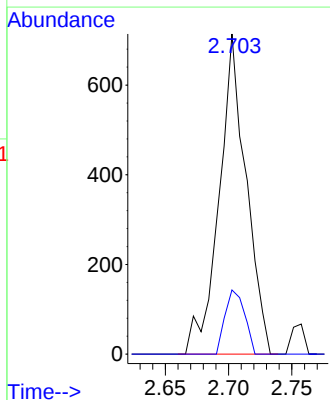
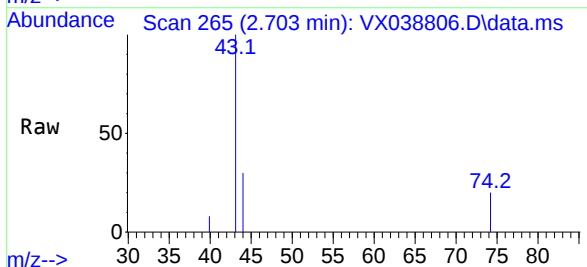
Instrument :
MSVOA_X
ClientSampleId :

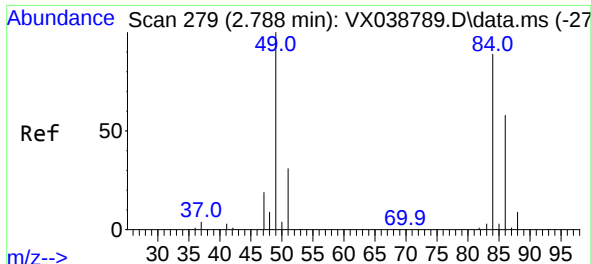
Tgt Ion: 43 Resp: 19016
Ion Ratio Lower Upper
43 100
58 31.7 21.9 32.9



#18
Methyl Acetate
Concen: 0.306 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

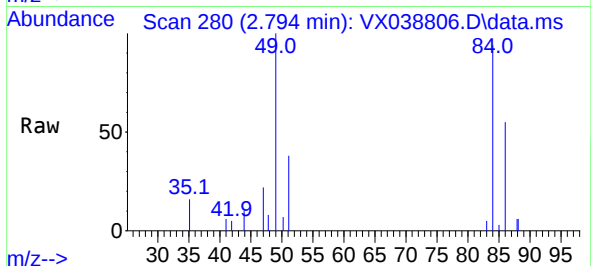
Tgt Ion: 43 Resp: 1062
Ion Ratio Lower Upper
43 100
74 14.4 17.8 26.8#





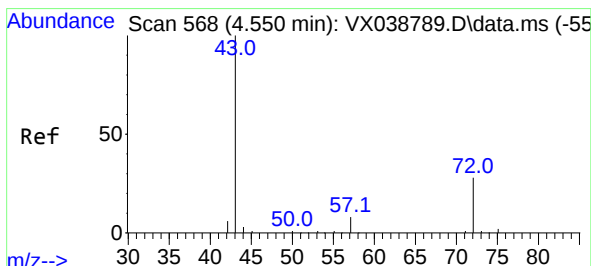
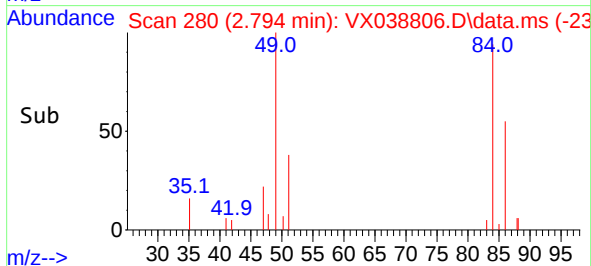
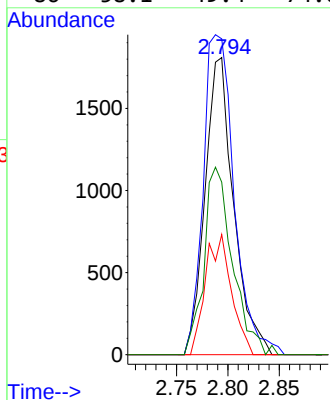
#20
Methylene Chloride
Concen: 2.509 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 3513

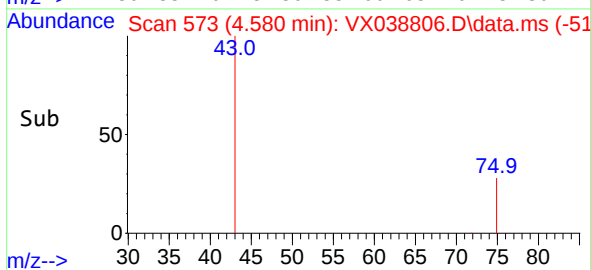
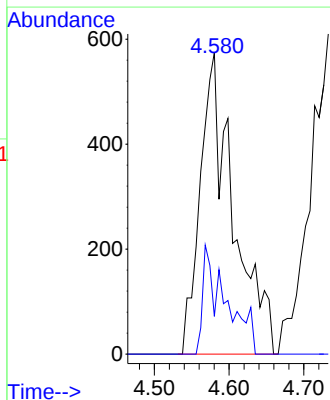
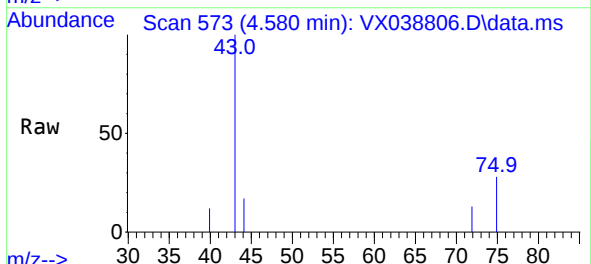
Ion	Ratio	Lower	Upper
84	100		
49	106.3	103.6	155.4
51	40.4	33.8	50.6
86	58.1	49.4	74.0

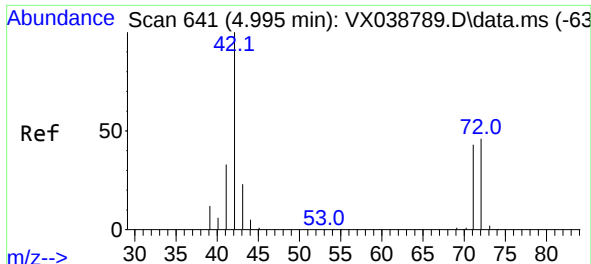


#25
2-Butanone
Concen: 1.598 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.030 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

Tgt Ion: 43 Resp: 1778

Ion	Ratio	Lower	Upper
43	100		
72	12.5	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.441 ug/l

RT: 5.025 min Scan# 641

Delta R.T. 0.030 min

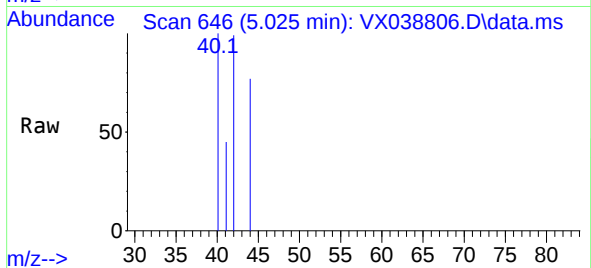
Lab File: VX038806.D

Acq: 14 Nov 2023 15:12

Instrument :

MSVOA_X

ClientSampleId :



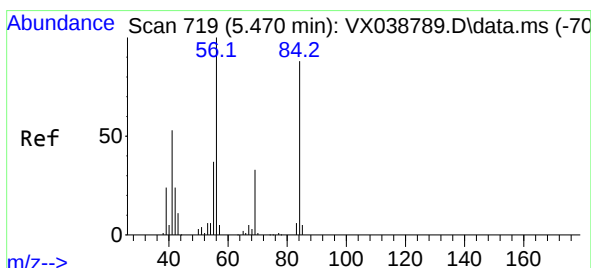
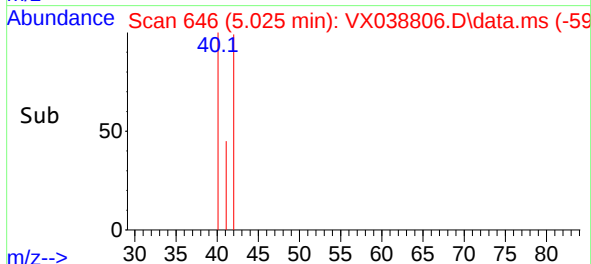
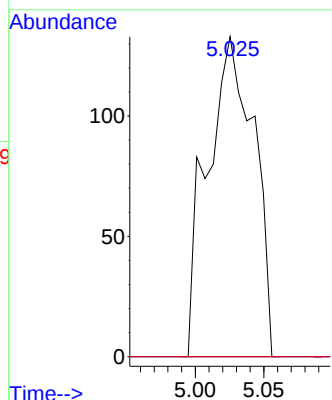
Tgt Ion: 42 Resp: 315

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.025 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX038806.D

Acq: 14 Nov 2023 15:12

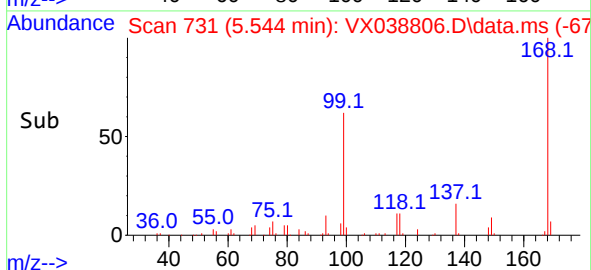
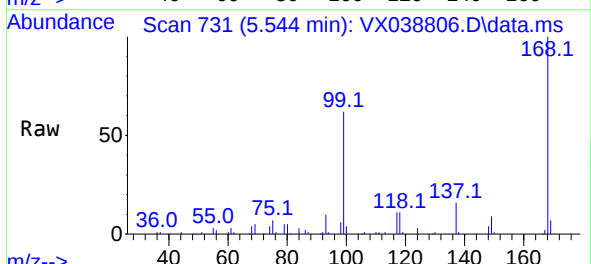
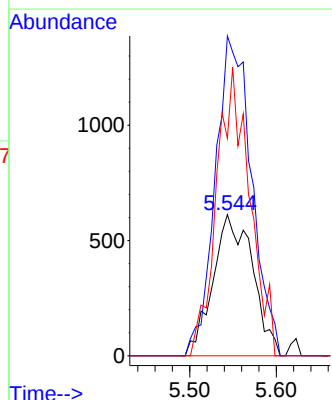
Tgt Ion: 56 Resp: 1950

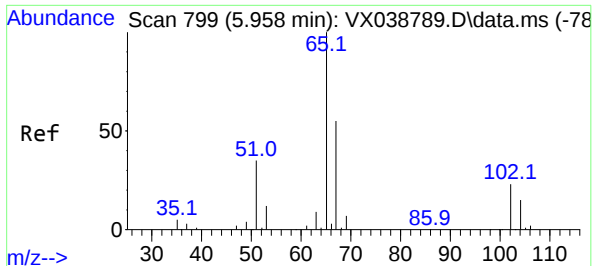
Ion Ratio Lower Upper

56 100

69 226.3 23.4 35.2#

84 153.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.387 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX038806.D

Acq: 14 Nov 2023 15:12

Instrument :

MSVOA_X

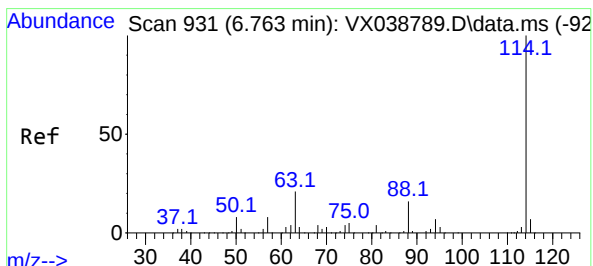
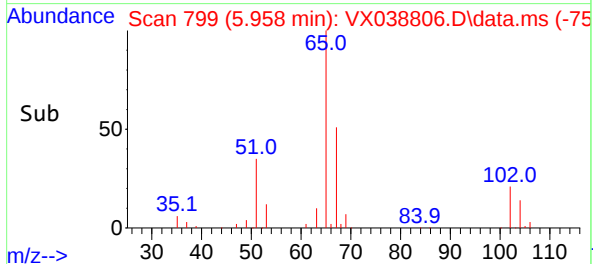
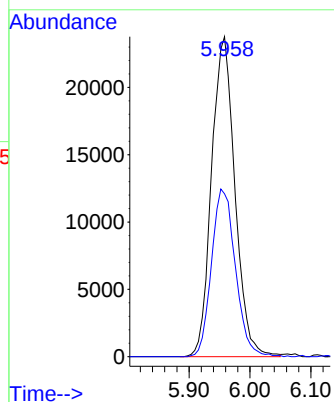
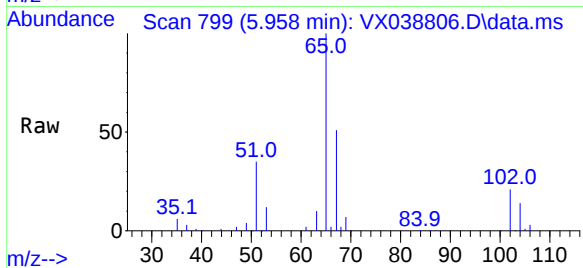
ClientSampleId :

Tgt Ion: 65 Resp: 63413

Ion Ratio Lower Upper

65 100

67 53.6 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: VX038806.D

Acq: 14 Nov 2023 15:12

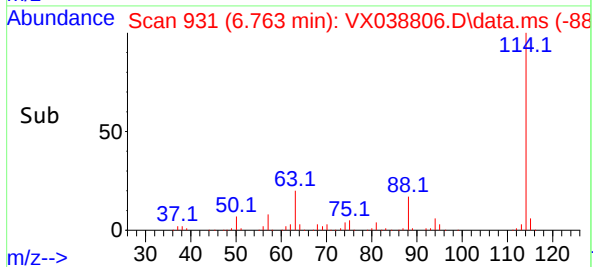
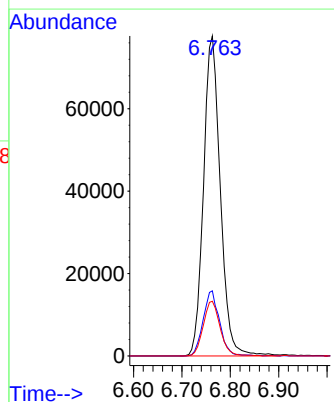
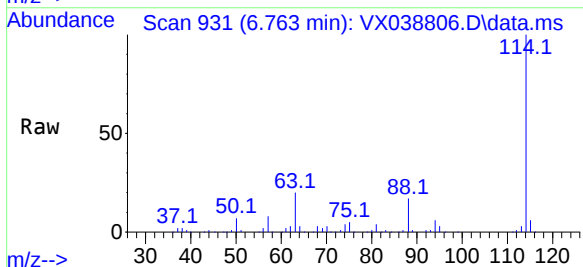
Tgt Ion: 114 Resp: 187384

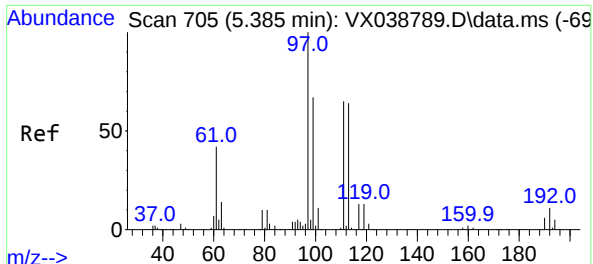
Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.0

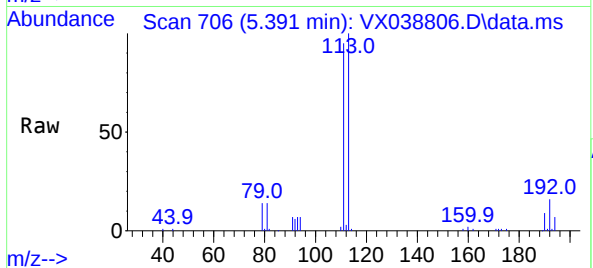
88 17.1 0.0 36.6



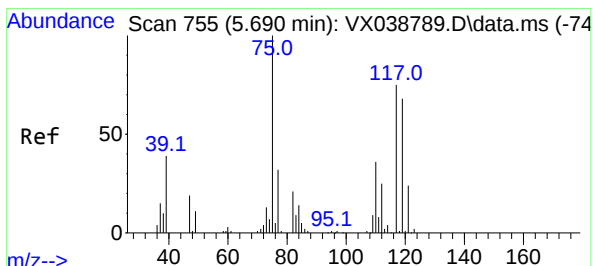
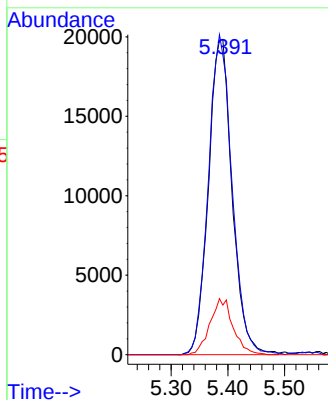
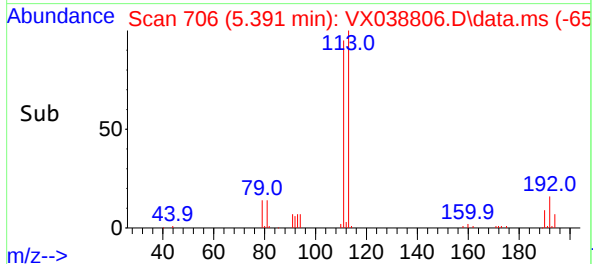


#35
Dibromofluoromethane
Concen: 44.741 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

Instrument :
MSVOA_X
ClientSampleId :

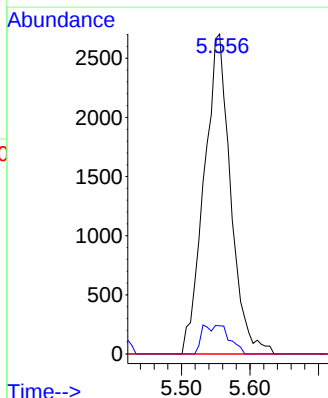
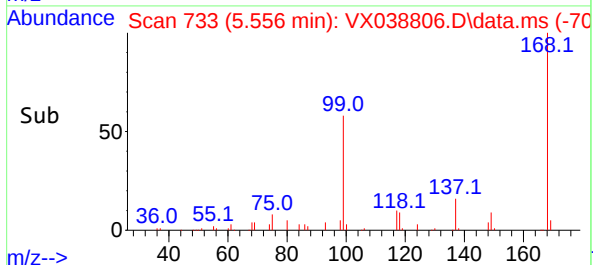
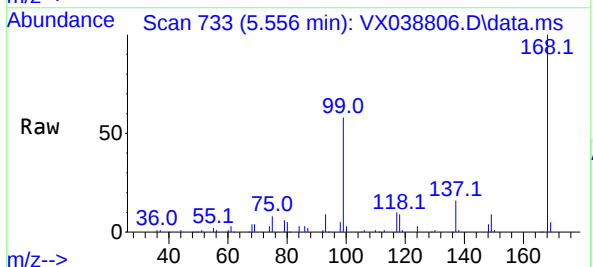


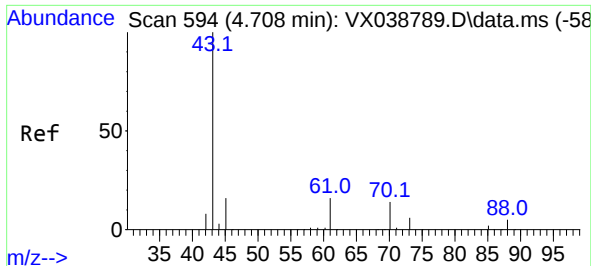
Tgt Ion:113 Resp: 57596
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 17.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.017 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

Tgt Ion: 75 Resp: 7271
Ion Ratio Lower Upper
75 100
110 0.0 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.994 ug/l

RT: 4.733 min Scan# 51

Delta R.T. 0.024 min

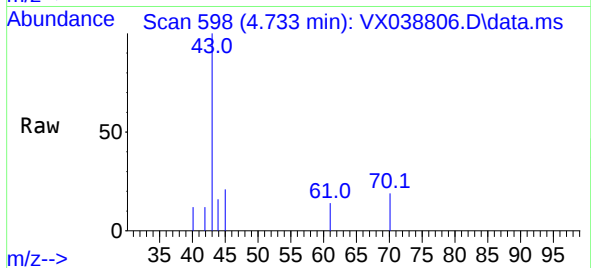
Lab File: VX038806.D

Acq: 14 Nov 2023 15:12

Instrument :

MSVOA_X

ClientSampleId :



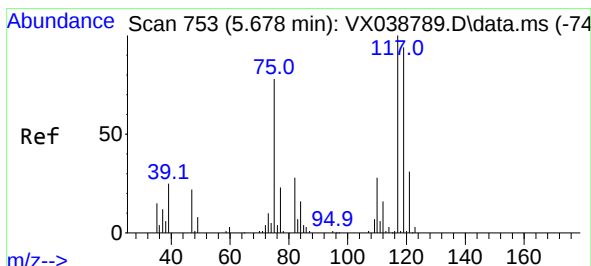
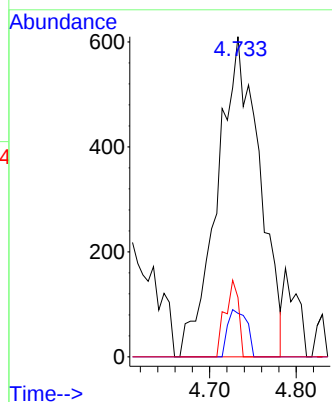
Tgt Ion: 43 Resp: 2062

Ion Ratio Lower Upper

43 100

61 6.6 10.6 16.0#

70 7.6 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.009 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX038806.D

Acq: 14 Nov 2023 15:12

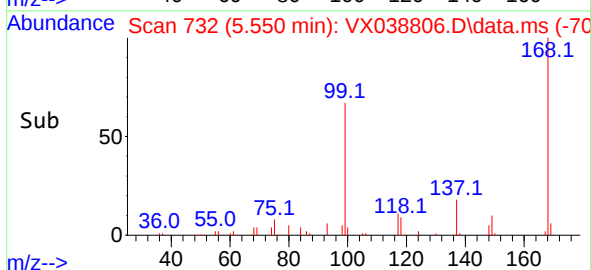
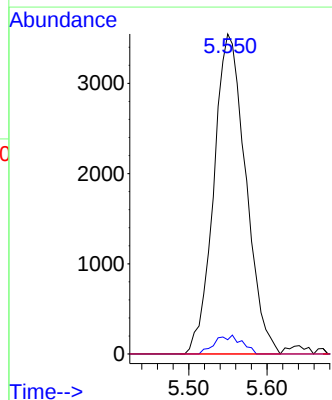
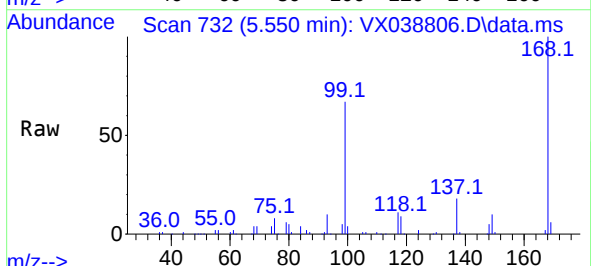
Tgt Ion: 117 Resp: 10054

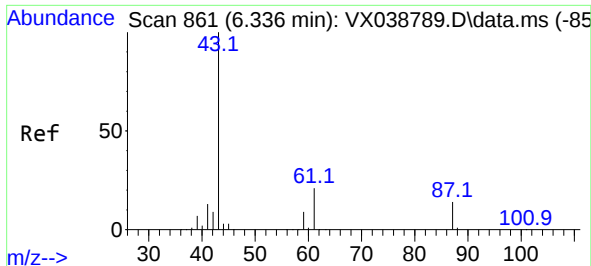
Ion Ratio Lower Upper

117 100

119 4.5 78.2 117.2#

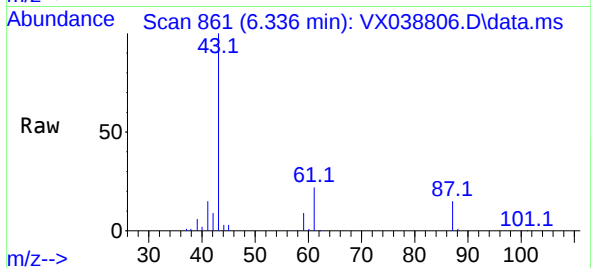
121 0.0 24.4 36.6#



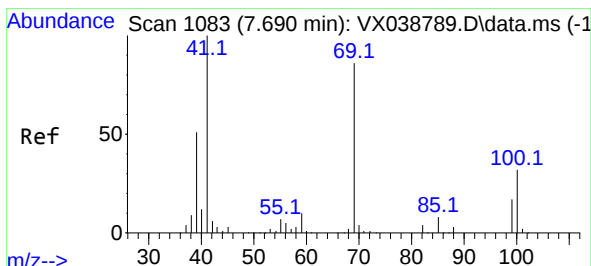
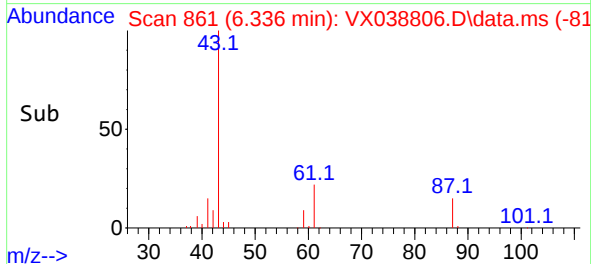
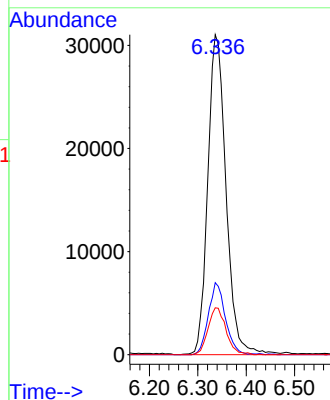


#43
Isopropyl Acetate
Concen: 26.034 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

Instrument :
MSVOA_X
ClientSampleId :

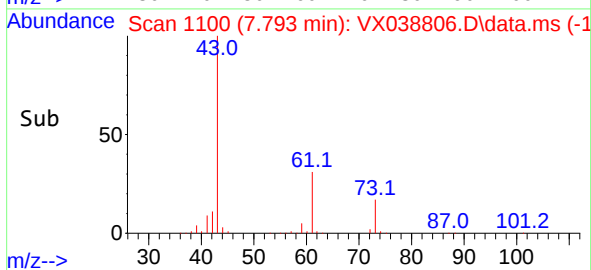
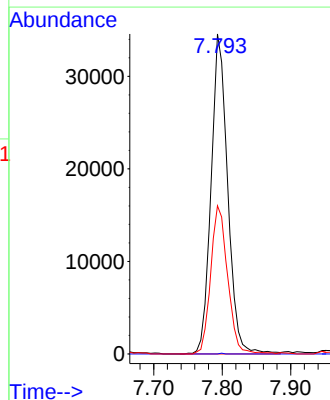
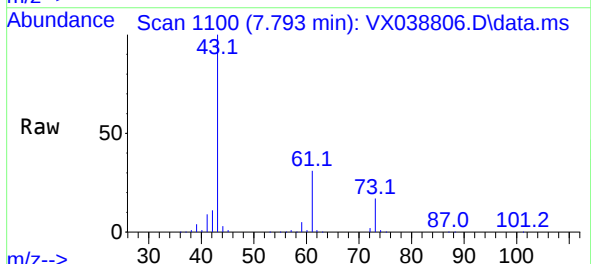


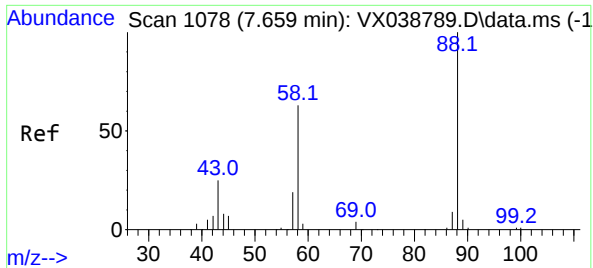
Tgt Ion: 43 Resp: 81387
Ion Ratio Lower Upper
43 100
61 21.0 15.2 22.8
87 14.4 9.8 14.6



#48
Methyl methacrylate
Concen: 38.101 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

Tgt Ion: 41 Resp: 58295
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 47.3 47.7 71.5#

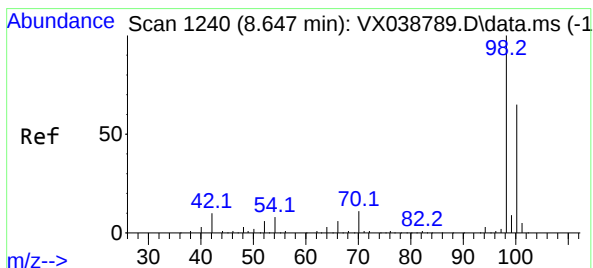
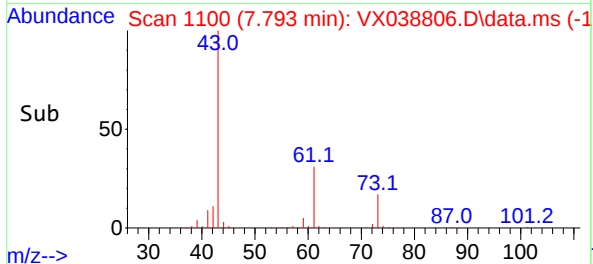
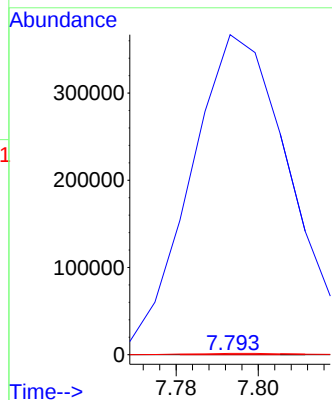
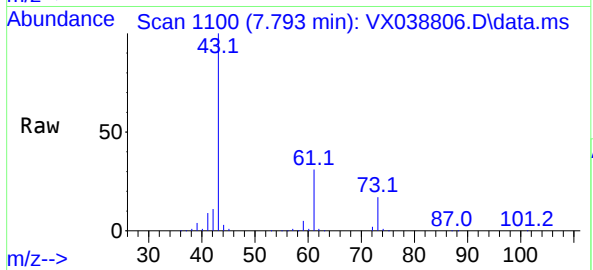




#49
1,4-Dioxane
Concen: 0.643 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

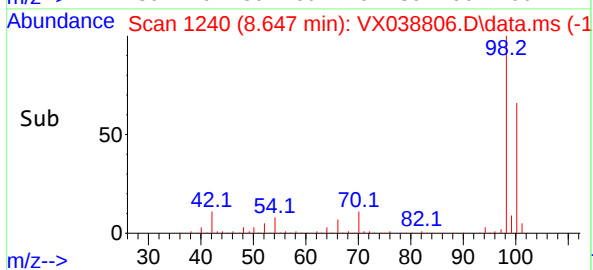
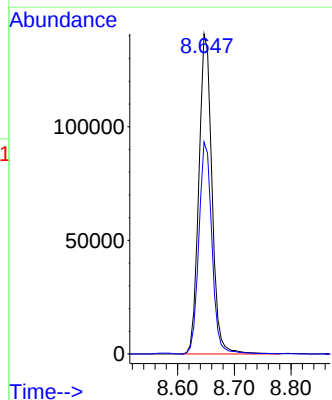
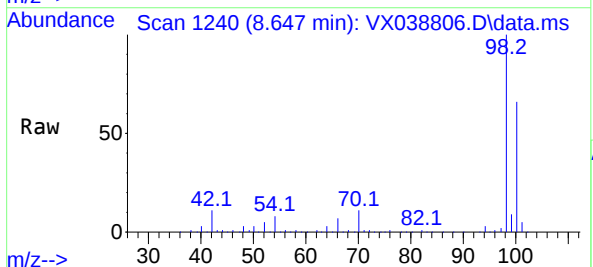
Instrument :
MSVOA_X
ClientSampleId :

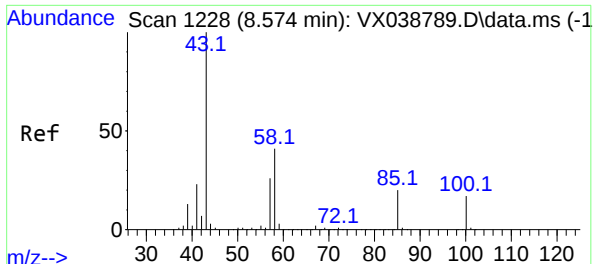
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 3213540.0 0.0 0.0#
58 12940.0 60.1 90.1#



#50
Toluene-d8
Concen: 47.388 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

Tgt Ion: 98 Resp: 225961
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7

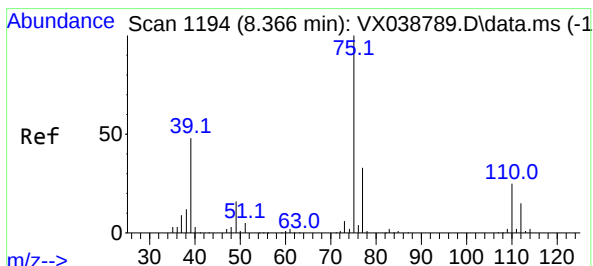
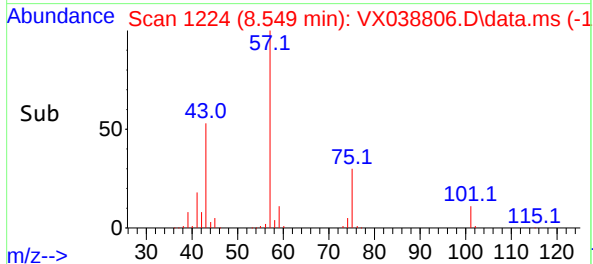
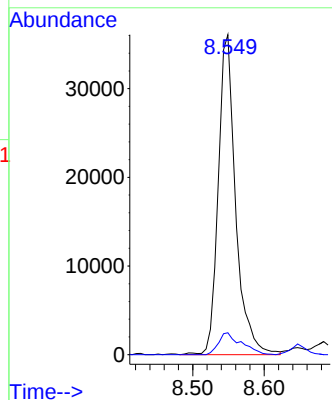
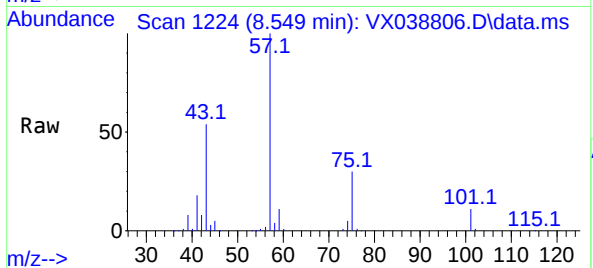




#51
4-Methyl-2-Pentanone
Concen: 28.903 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

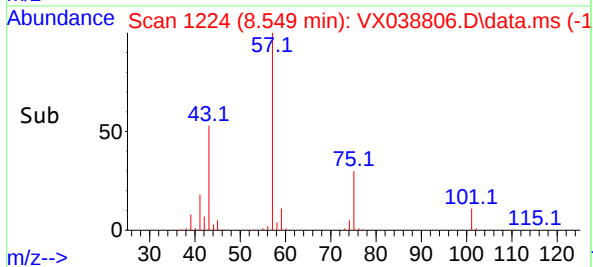
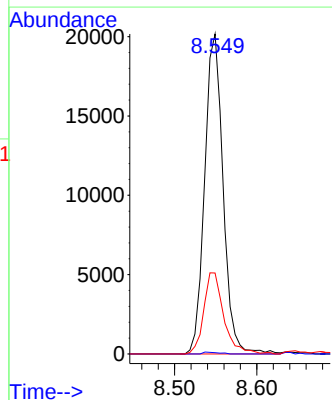
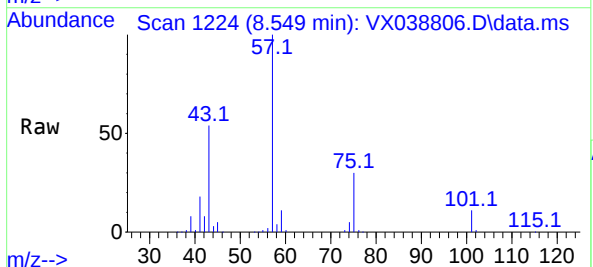
Instrument :
MSVOA_X
ClientSampleId :

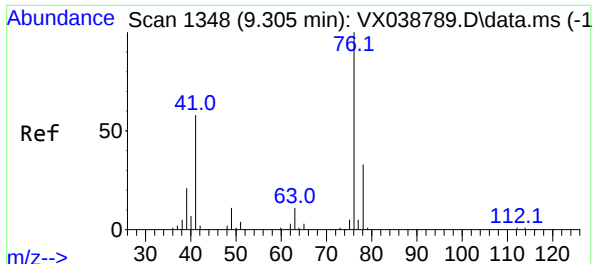
Tgt Ion: 43 Resp: 61058
Ion Ratio Lower Upper
43 100
58 9.0 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 15.633 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

Tgt Ion: 75 Resp: 31461
Ion Ratio Lower Upper
75 100
77 0.4 25.3 37.9#
39 25.3 46.7 70.1#

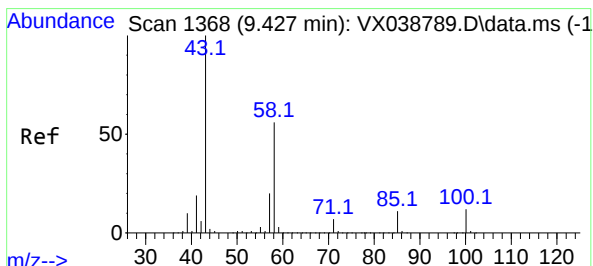
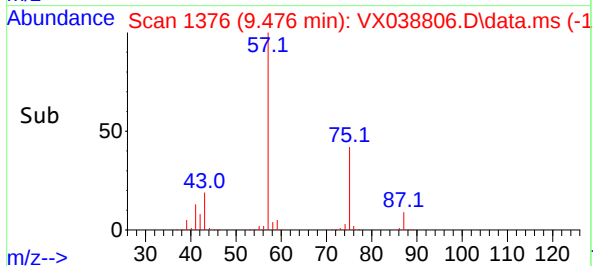
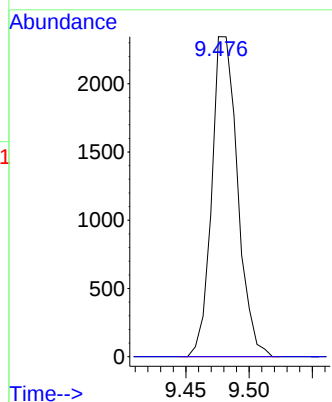
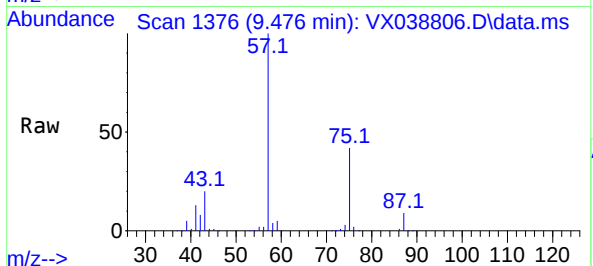




#57
1,3-Dichloropropane
Concen: 1.504 ug/l
RT: 9.476 min Scan# 11
Delta R.T. 0.171 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

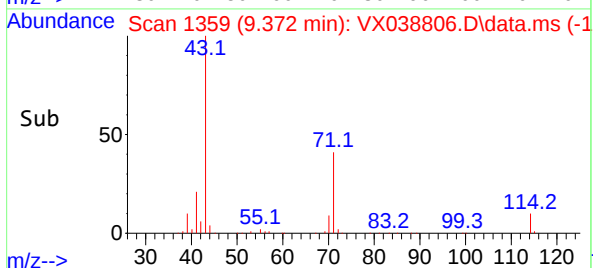
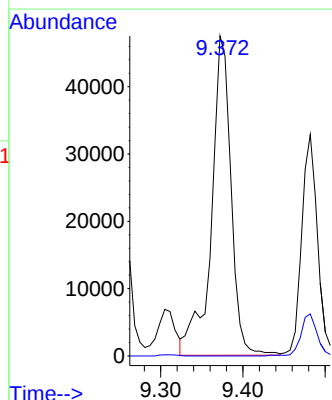
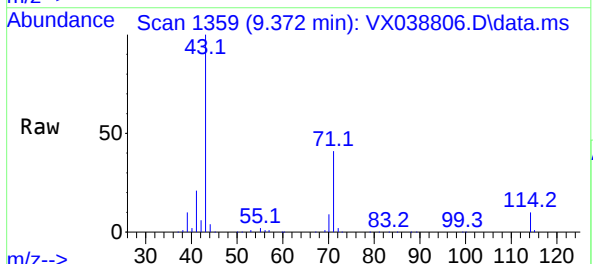
Instrument :
MSVOA_X
ClientSampleId :

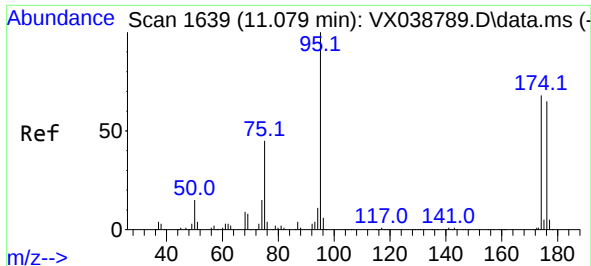
Tgt Ion: 76 Resp: 3334
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 46.170 ug/l
RT: 9.372 min Scan# 1359
Delta R.T. -0.055 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

Tgt Ion: 43 Resp: 78597
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#

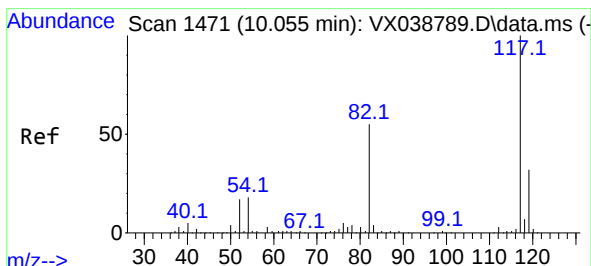
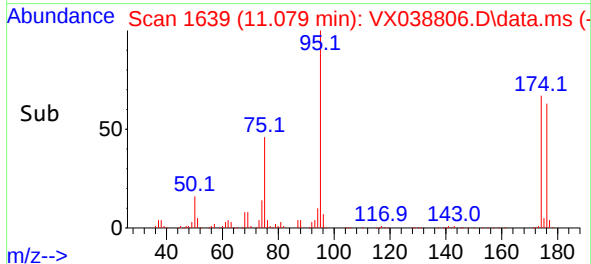
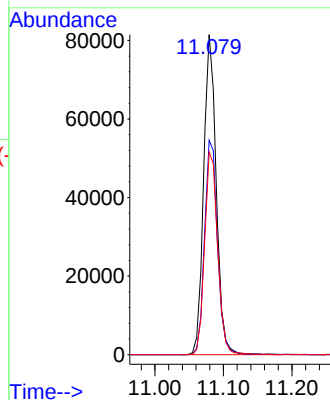
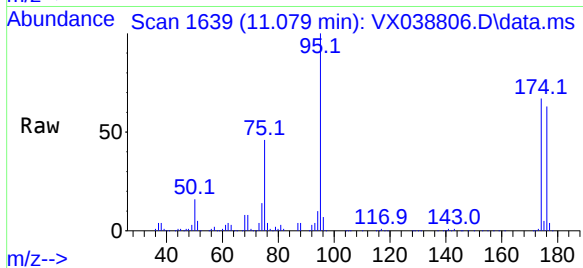




#62
4-Bromofluorobenzene
Concen: 52.406 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

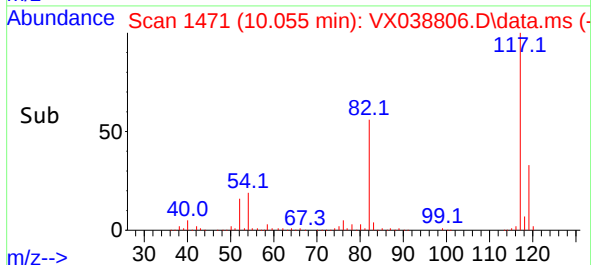
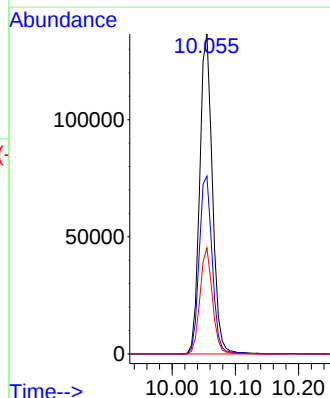
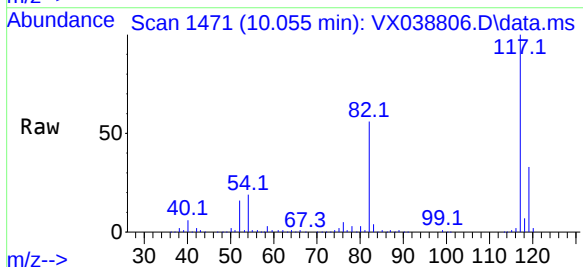
Instrument :
MSVOA_X
ClientSampleId :

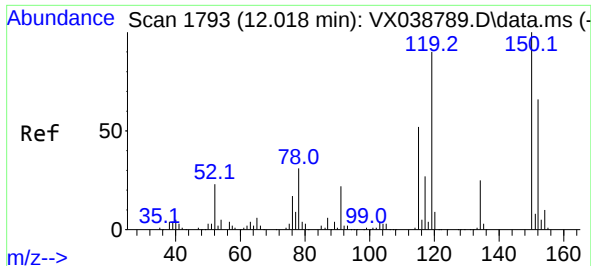
Tgt Ion: 95 Resp: 104480
Ion Ratio Lower Upper
95 100
174 68.7 0.0 135.6
176 65.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038806.D
Acq: 14 Nov 2023 15:12

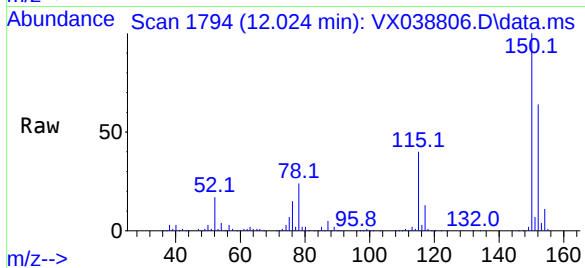
Tgt Ion: 117 Resp: 191229
Ion Ratio Lower Upper
117 100
82 55.6 46.2 69.4
119 33.1 25.5 38.3



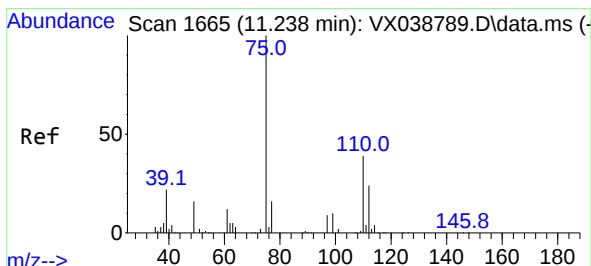
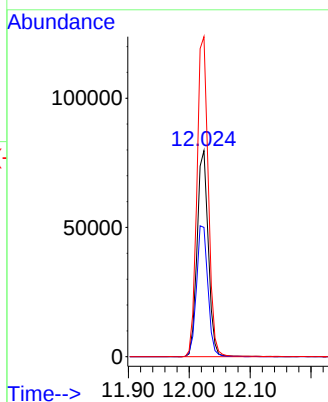
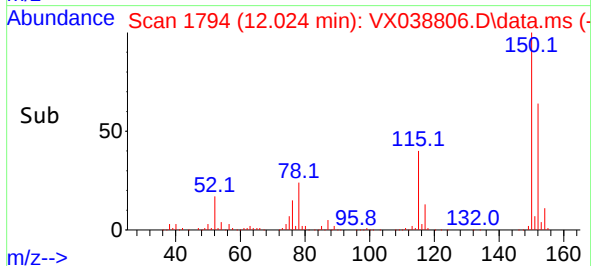


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX038806.D
 Acq: 14 Nov 2023 15:12

Instrument :
 MSVOA_X
 ClientSampleId :

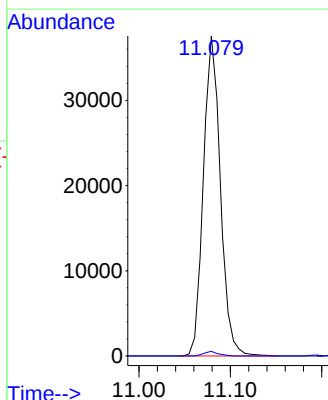
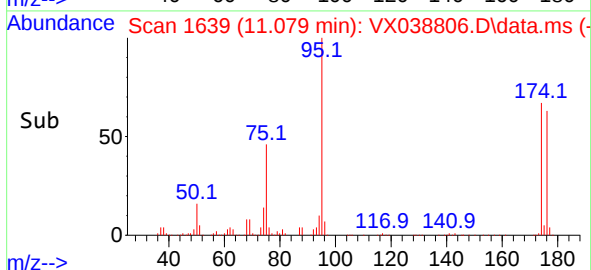
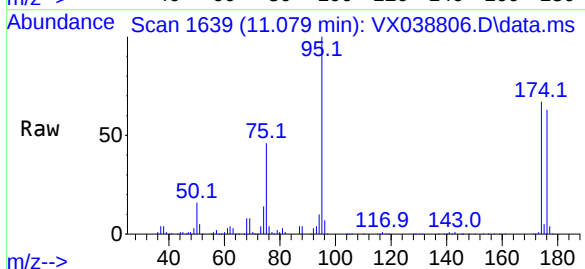


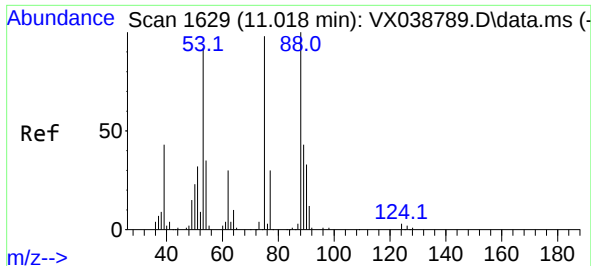
Tgt Ion:152 Resp: 101570
 Ion Ratio Lower Upper
 152 100
 115 64.7 43.3 129.9
 150 157.3 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 22.310 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX038806.D
 Acq: 14 Nov 2023 15:12

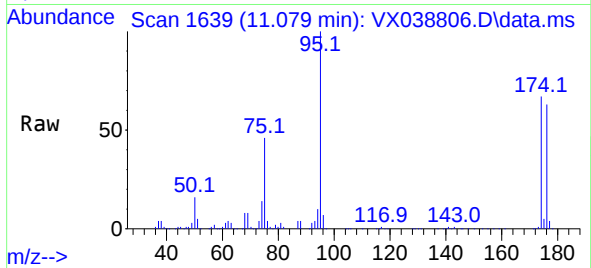
Tgt Ion: 75 Resp: 48384
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.107 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX038806.D
 Acq: 14 Nov 2023 15:12

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 48384
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

