

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091823\
 Data File : VX037772.D
 Acq On : 18 Sep 2023 13:21
 Operator : JC/MD
 Sample : 04437-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 18 17:56:21 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	292132	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	488090	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	461132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	225344	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	180968	47.150	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.300%
35) Dibromofluoromethane	5.391	113	152844	46.801	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.600%
50) Toluene-d8	8.653	98	589503	48.580	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.160%
62) 4-Bromofluorobenzene	11.079	95	217620	49.353	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.700%

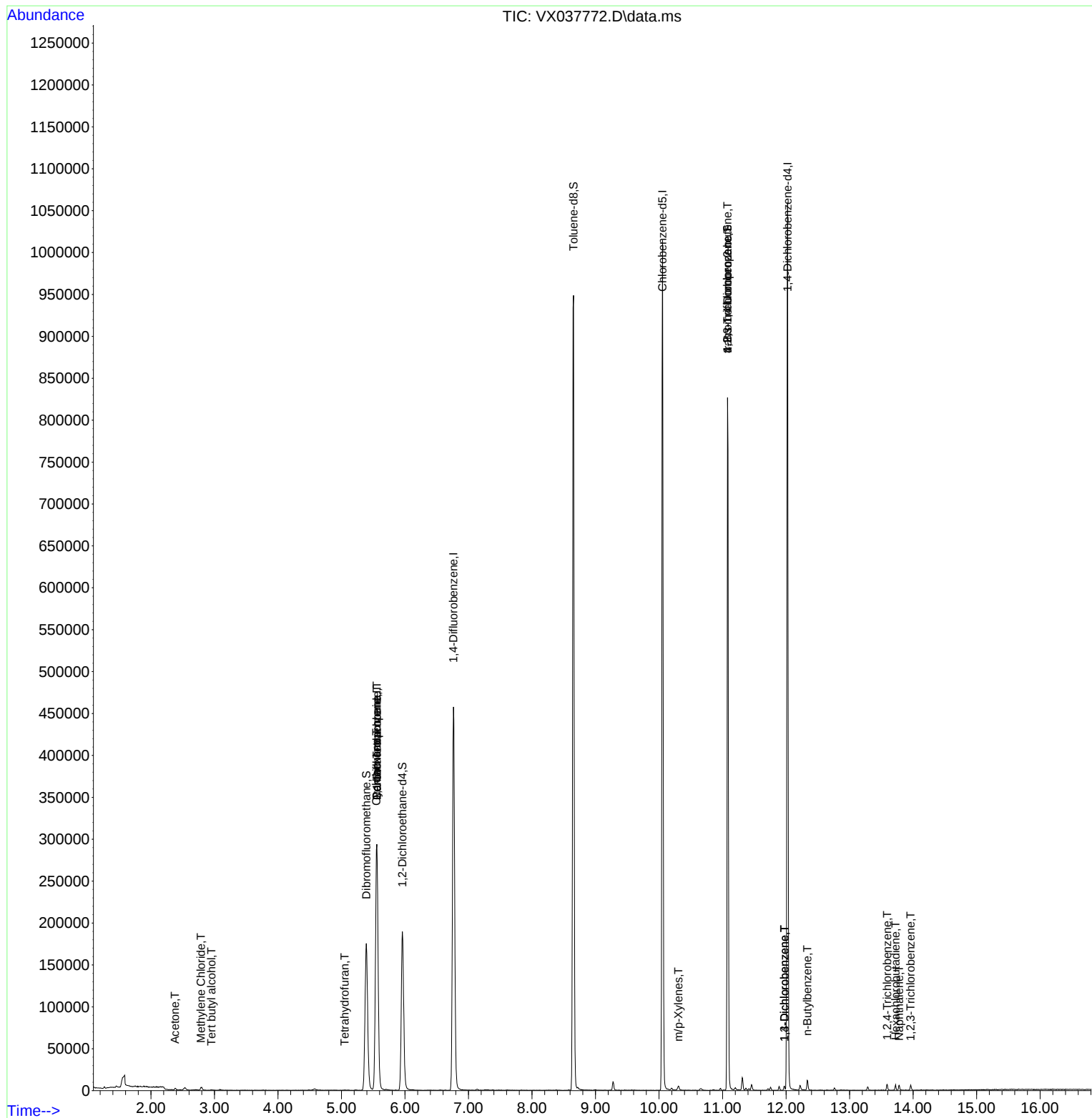
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	371	0.450	ug/l	# 78
16) Acetone	2.379	43	2360	1.278	ug/l	97
20) Methylene Chloride	2.788	84	1871	0.523	ug/l	# 83
29) Tetrahydrofuran	5.050	42	350	0.216	ug/l	# 34
31) Cyclohexane	5.550	56	5638	1.144	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	21424	4.762	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	29455	6.257	ug/l	# 15
68) m/p-Xylenes	10.305	106	1373	0.206	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	109843	21.075	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	109843	67.511	ug/l	# 5
87) 1,3-Dichlorobenzene	11.975	146	1888	0.248	ug/l	96
88) 1,4-Dichlorobenzene	11.975	146	1888	0.242	ug/l	97
89) n-Butylbenzene	12.335	91	4041	0.323	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	1995	0.435	ug/l	86
94) Hexachlorobutadiene	13.725	225	1004	0.469	ug/l	91
95) Naphthalene	13.780	128	4444	0.286	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1717	0.364	ug/l	96

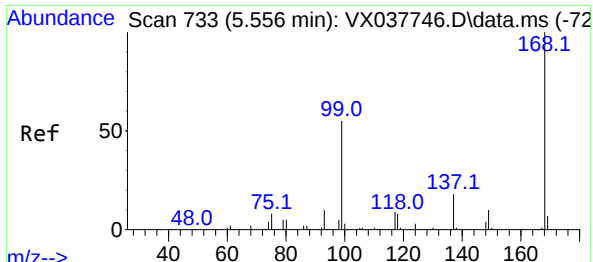
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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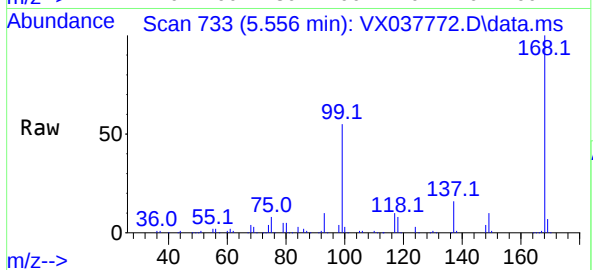
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration



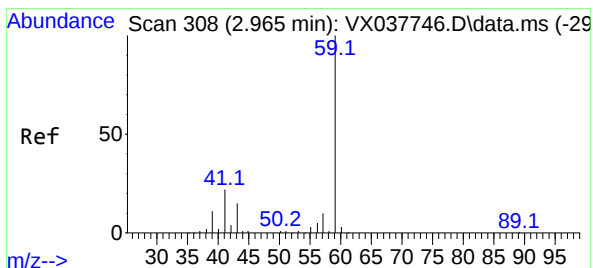
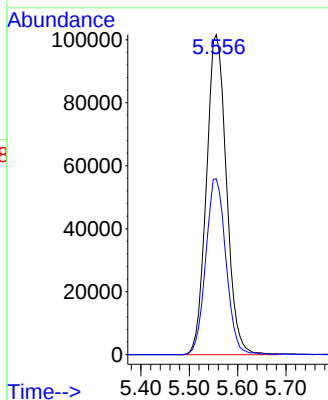
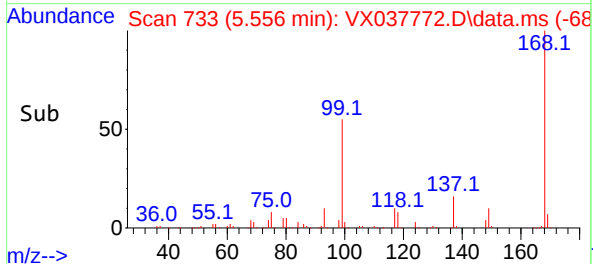


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

Instrument :
MSVOA_X
ClientSampleId :

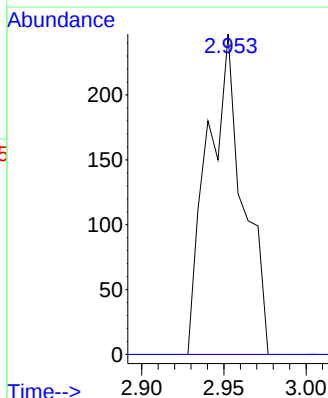
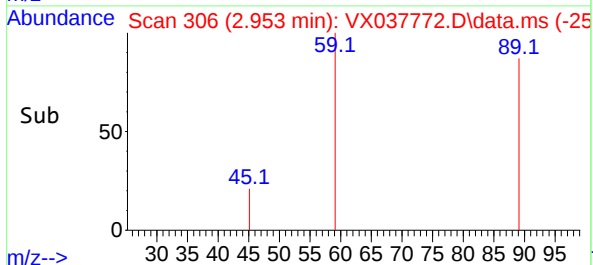
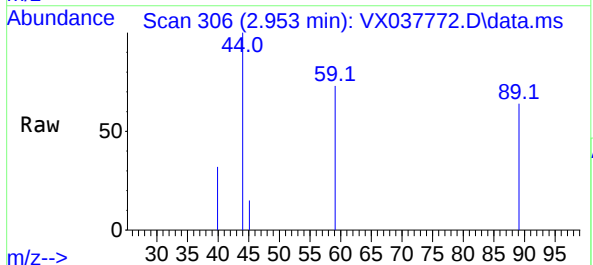


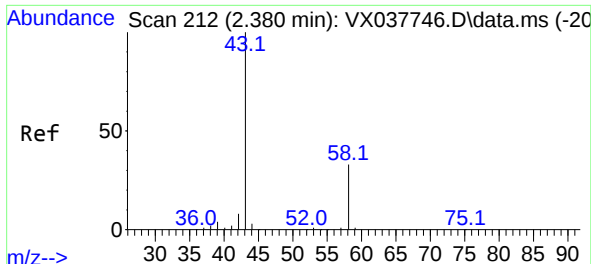
Tgt Ion:168 Resp: 292132
Ion Ratio Lower Upper
168 100
99 54.9 56.6 85.0#



#11
Tert butyl alcohol
Concen: 0.450 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

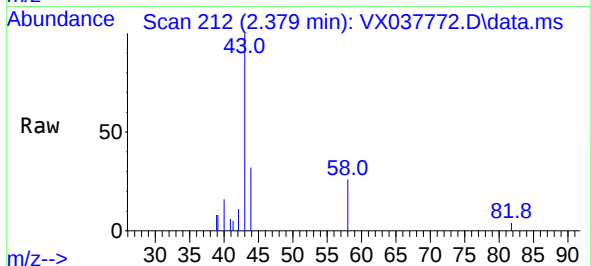
Tgt Ion: 59 Resp: 371
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



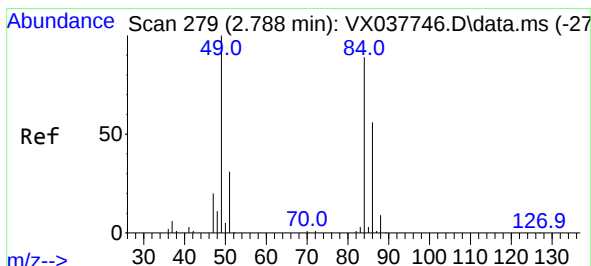
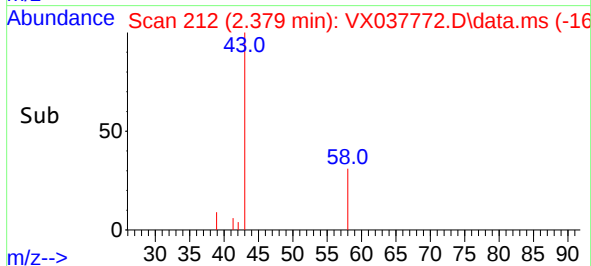
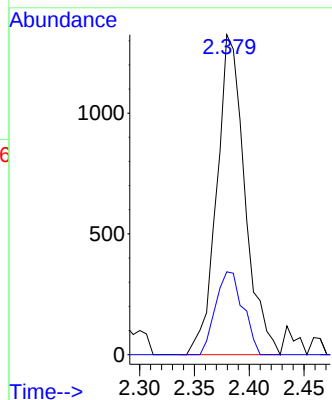


#16
Acetone
Concen: 1.278 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

Instrument :
MSVOA_X
ClientSampleId :

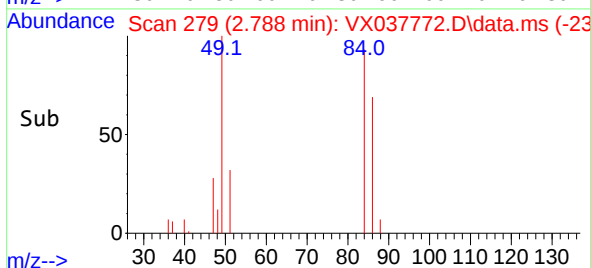
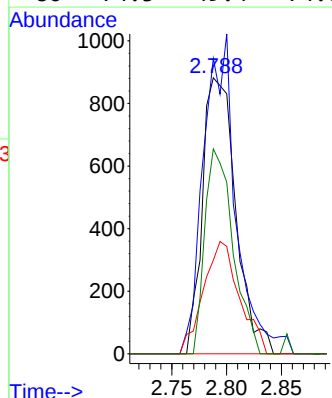
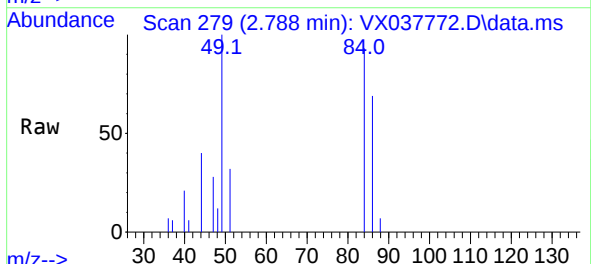


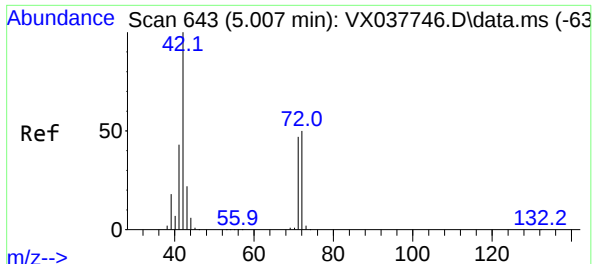
Tgt Ion: 43 Resp: 2360
Ion Ratio Lower Upper
43 100
58 25.9 21.9 32.9



#20
Methylene Chloride
Concen: 0.523 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

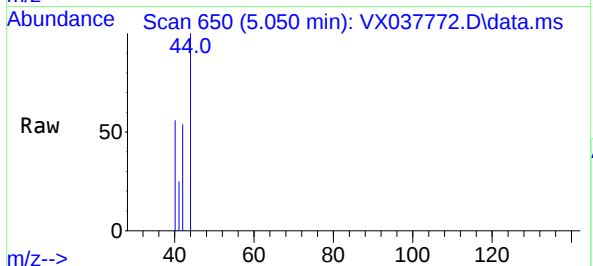
Tgt Ion: 84 Resp: 1871
Ion Ratio Lower Upper
84 100
49 107.0 103.6 155.4
51 33.9 33.8 50.6
86 74.3 49.4 74.0#



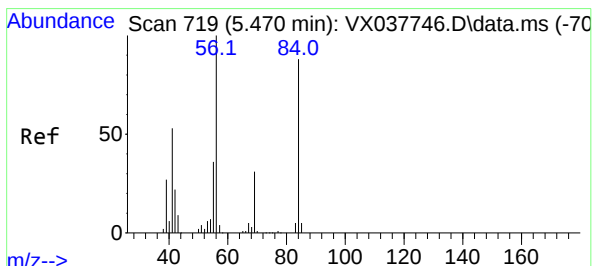
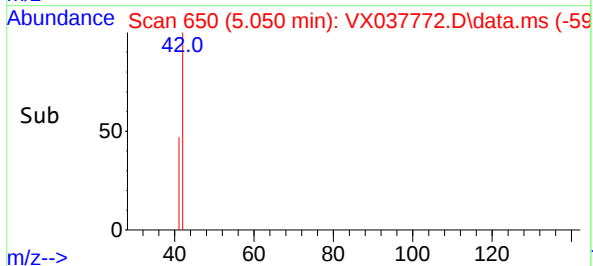
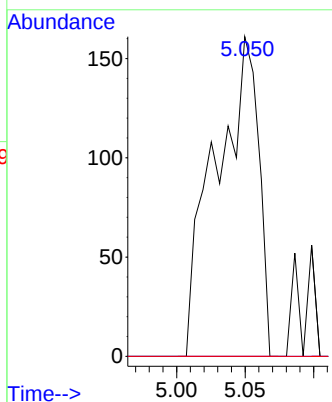


#29
Tetrahydrofuran
Concen: 0.216 ug/l
RT: 5.050 min Scan# 61
Delta R.T. 0.036 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

Instrument :
MSVOA_X
ClientSampleId :

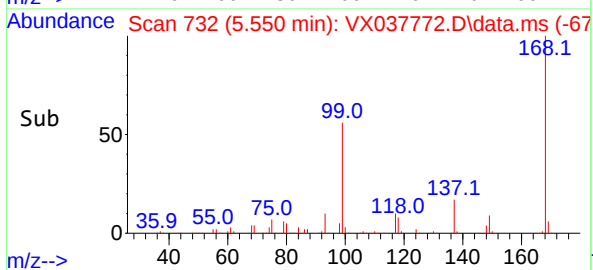
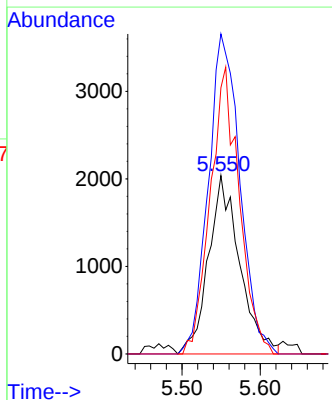
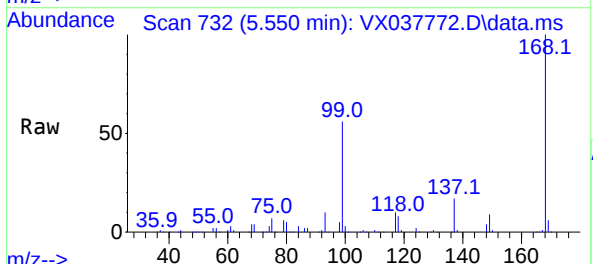


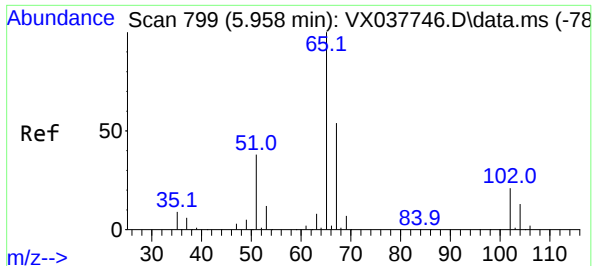
Tgt Ion: 42 Resp: 350
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



#31
Cyclohexane
Concen: 1.144 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

Tgt Ion: 56 Resp: 5638
Ion Ratio Lower Upper
56 100
69 179.4 23.4 35.2#
84 149.2 65.9 98.9#

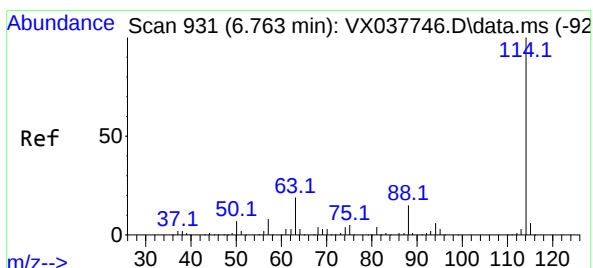
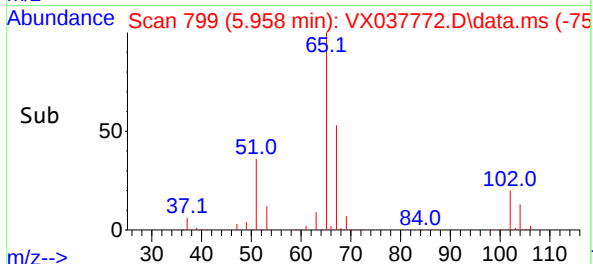
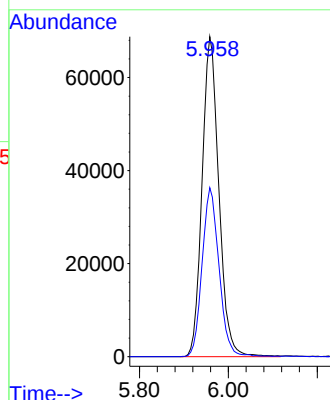
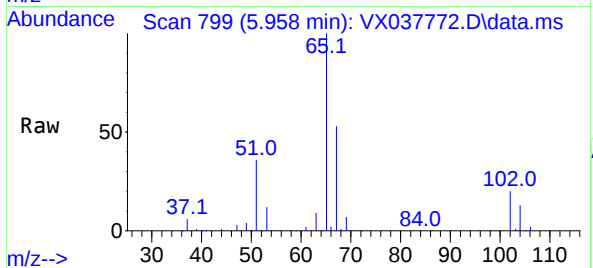




#33
1,2-Dichloroethane-d4
Concen: 47.150 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

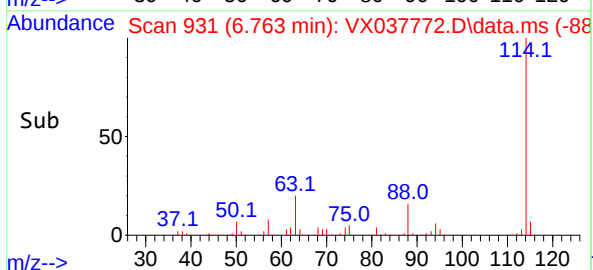
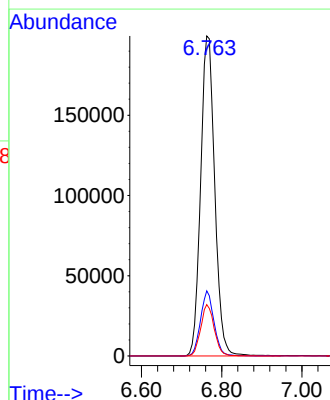
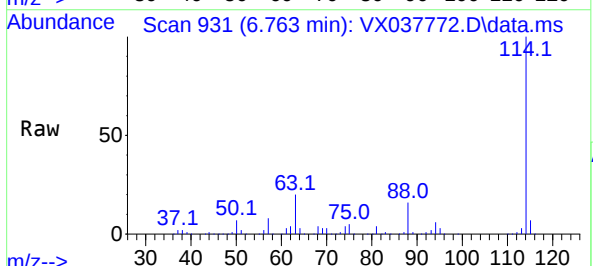
Instrument :
MSVOA_X
ClientSampleId :

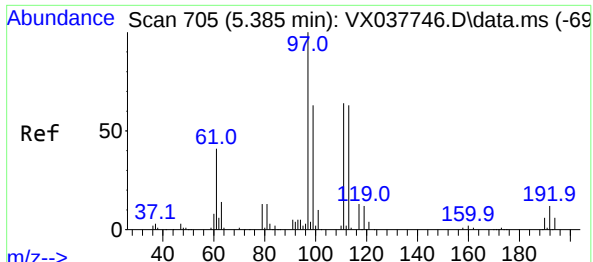
Tgt Ion: 65 Resp: 180968
Ion Ratio Lower Upper
65 100
67 53.2 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

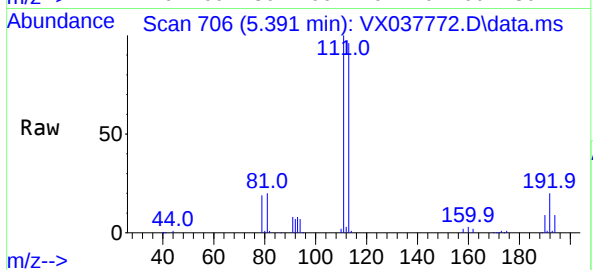
Tgt Ion:114 Resp: 488090
Ion Ratio Lower Upper
114 100
63 20.4 0.0 45.0
88 16.1 0.0 36.6



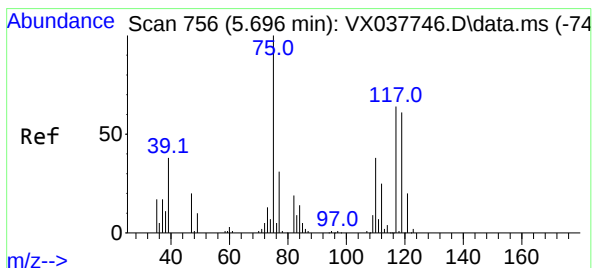
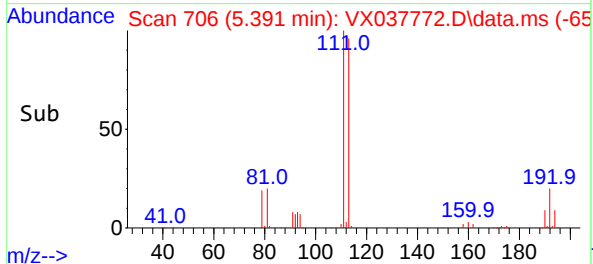
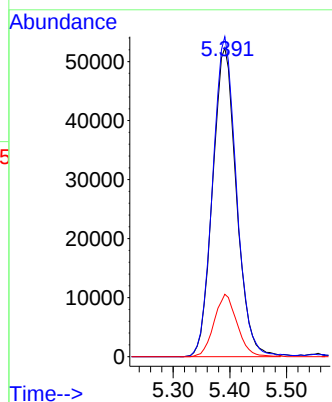


#35
Dibromofluoromethane
Concen: 46.801 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

Instrument :
MSVOA_X
ClientSampleId :

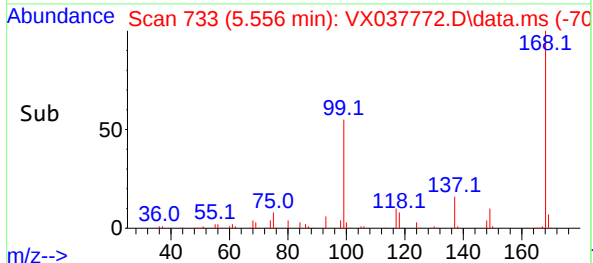
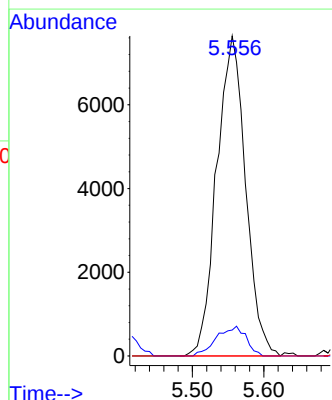
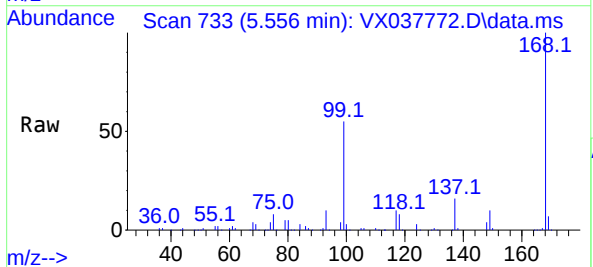


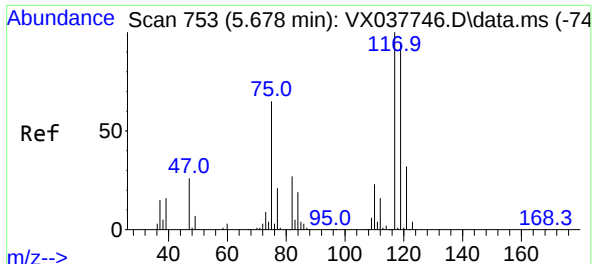
Tgt Ion:113 Resp: 152844
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 19.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.762 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

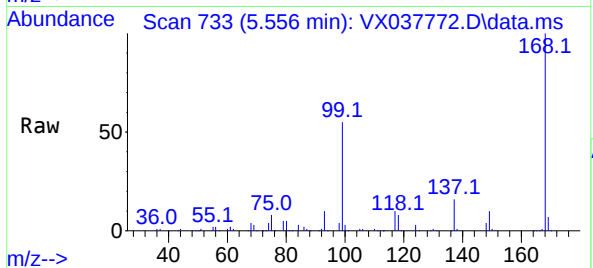
Tgt Ion: 75 Resp: 21424
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



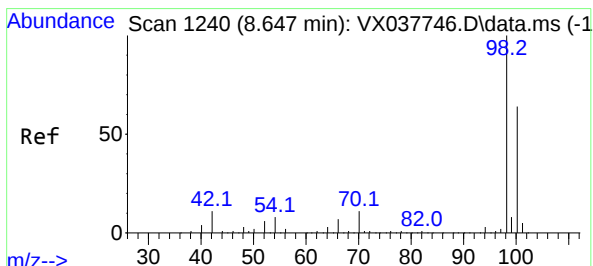
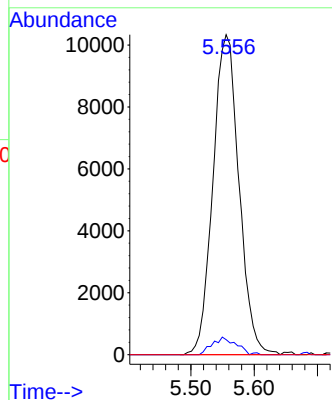
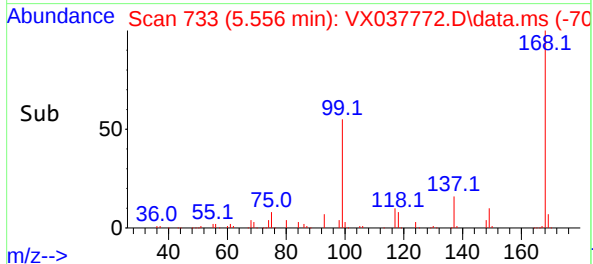


#38
Carbon Tetrachloride
Concen: 6.257 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

Instrument :
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ClientSampleId :

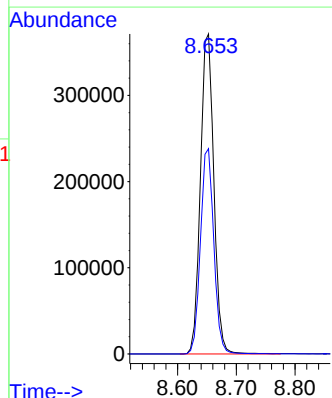
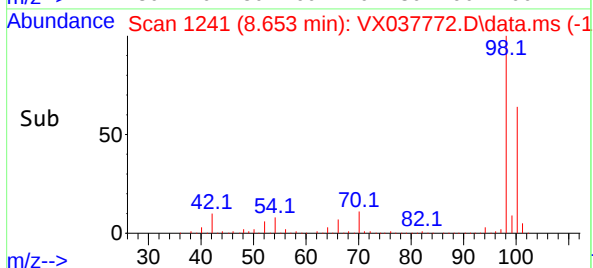
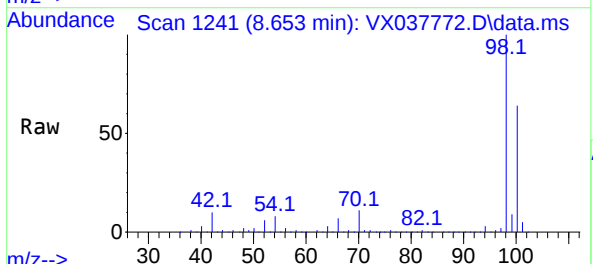


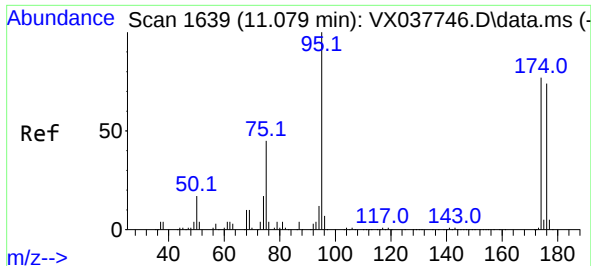
Tgt Ion:117 Resp: 29455
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 48.580 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

Tgt Ion: 98 Resp: 589503
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7

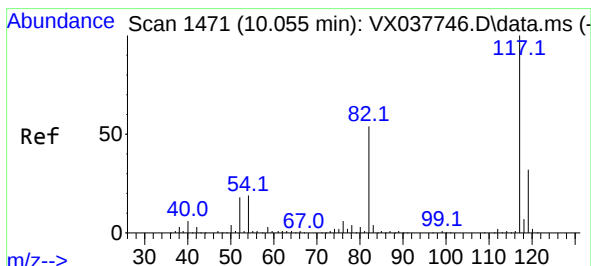
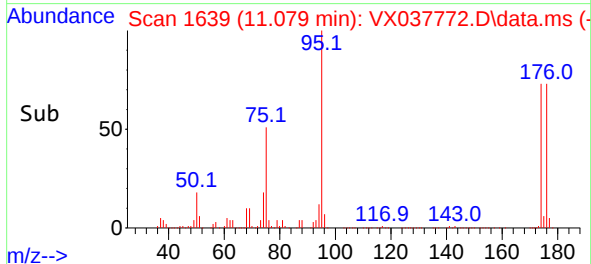
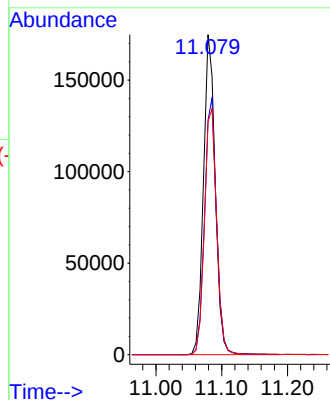
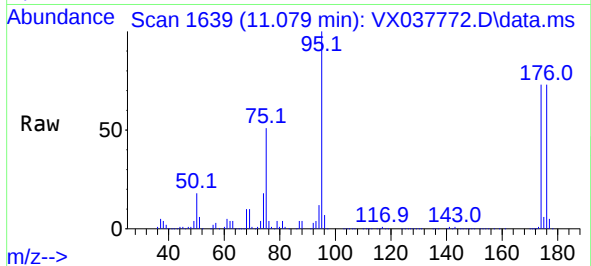




#62
4-Bromofluorobenzene
Concen: 49.353 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

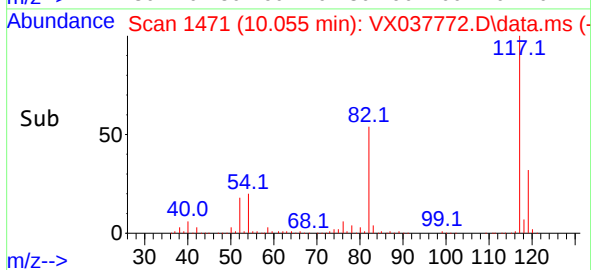
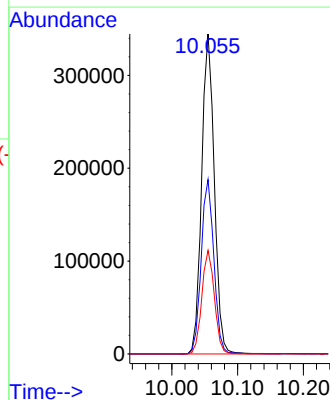
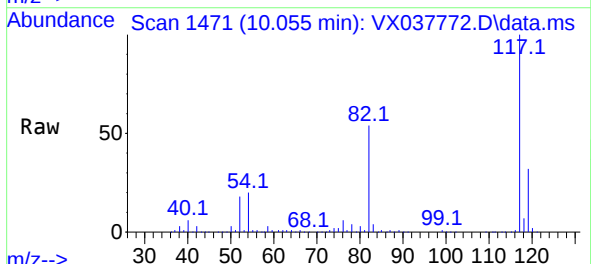
Instrument :
MSVOA_X
ClientSampleId :

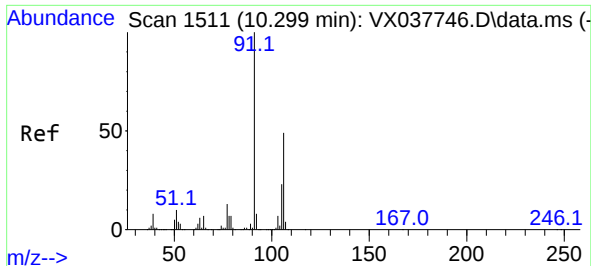
Tgt Ion: 95 Resp: 217620
Ion Ratio Lower Upper
95 100
174 81.4 0.0 135.6
176 79.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

Tgt Ion: 117 Resp: 461132
Ion Ratio Lower Upper
117 100
82 54.5 46.2 69.4
119 32.3 25.5 38.3

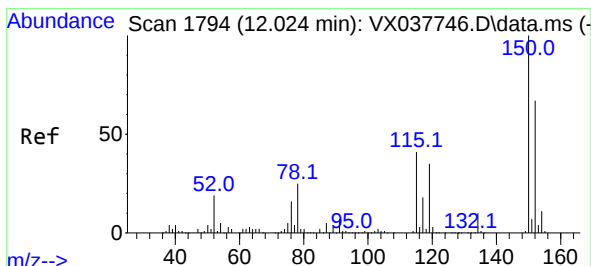
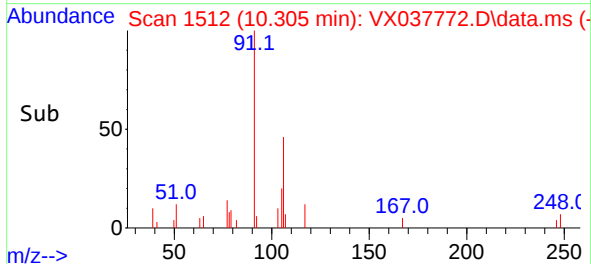
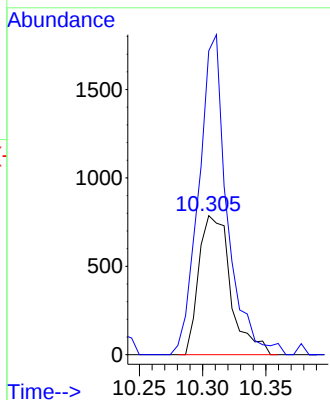
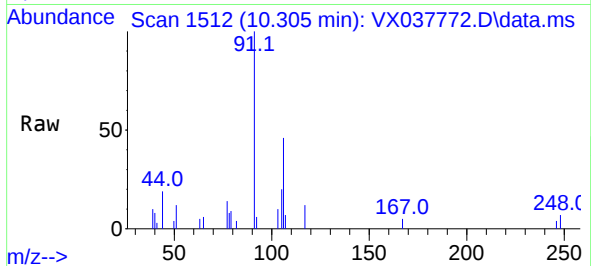




#68
m/p-Xylenes
Concen: 0.206 ug/l
RT: 10.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

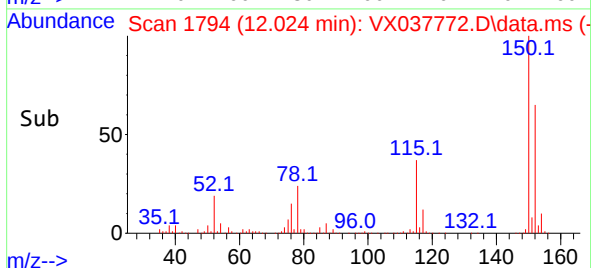
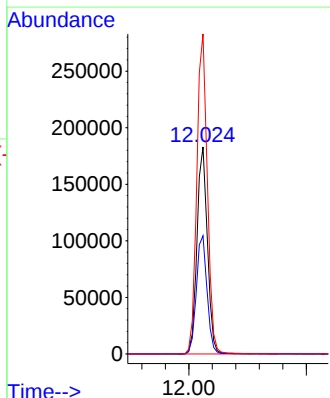
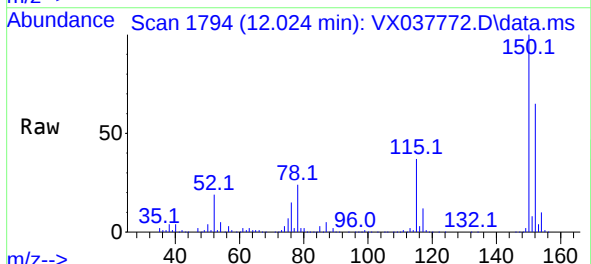
Instrument :
MSVOA_X
ClientSampleId :

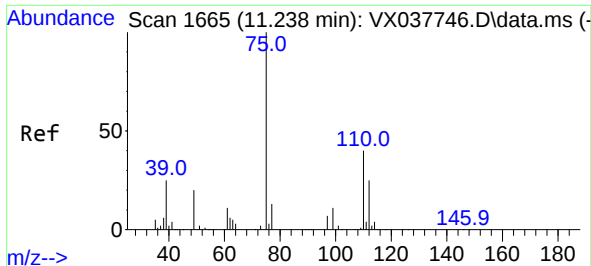
Tgt Ion:106 Resp: 1373
Ion Ratio Lower Upper
106 100
91 205.9 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

Tgt Ion:152 Resp: 225344
Ion Ratio Lower Upper
152 100
115 58.6 43.3 129.9
150 155.7 0.0 345.0

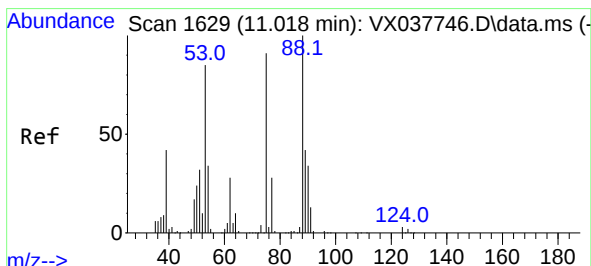
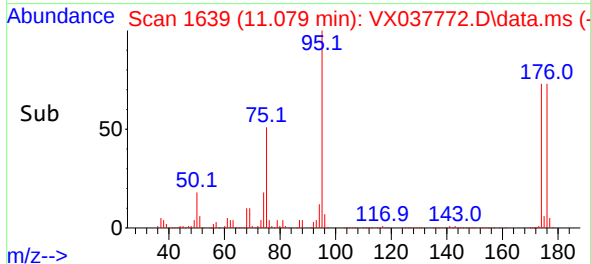
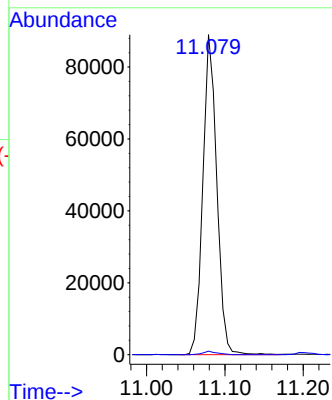
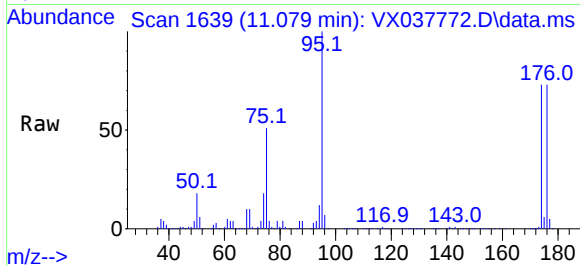




#76
1,2,3-Trichloropropane
Concen: 21.075 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

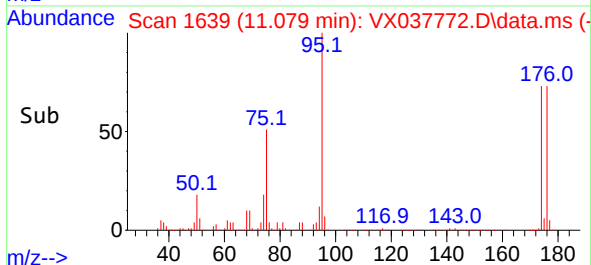
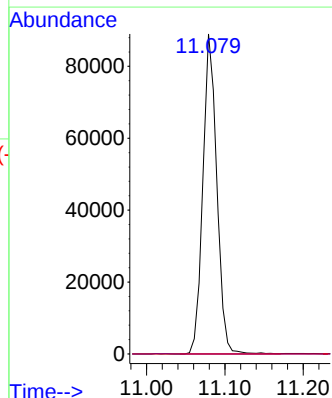
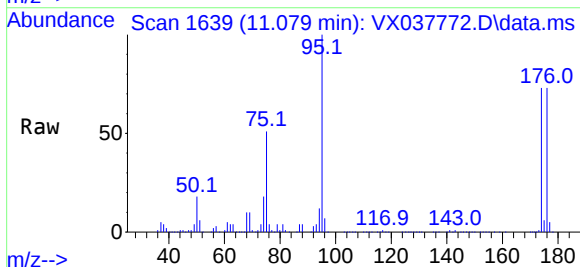
Instrument :
MSVOA_X
ClientSampleId :

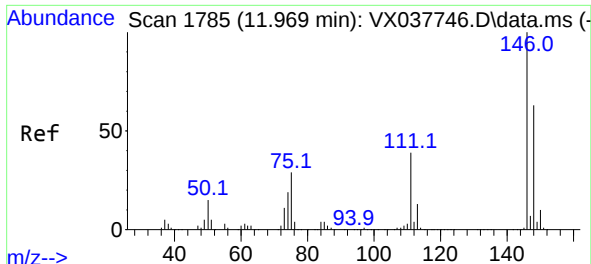
Tgt Ion: 75 Resp: 109843
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.511 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

Tgt Ion: 75 Resp: 109843
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.248 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX037772.D

Acq: 18 Sep 2023 13:21

Instrument :

MSVOA_X

ClientSampleId :

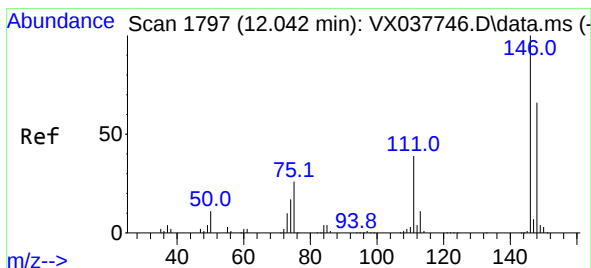
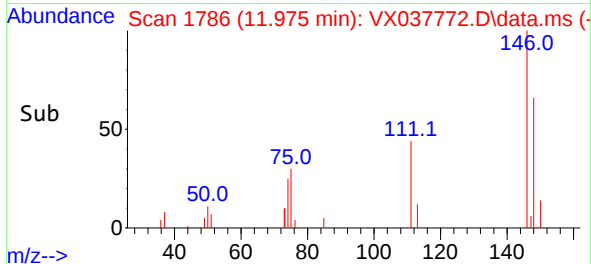
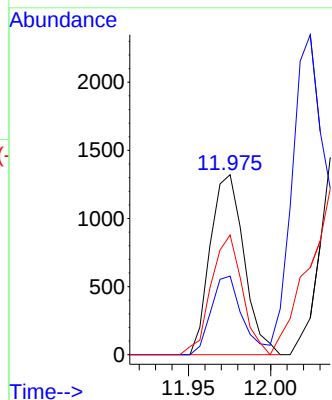
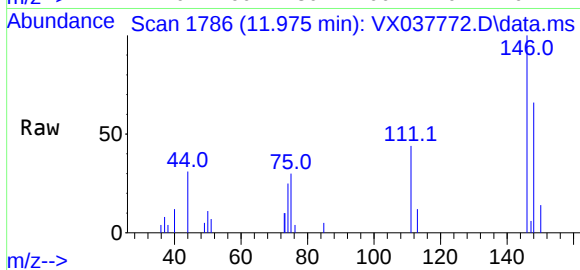
Tgt Ion:146 Resp: 1888

Ion Ratio Lower Upper

146 100

111 40.9 22.1 66.1

148 61.3 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.242 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX037772.D

Acq: 18 Sep 2023 13:21

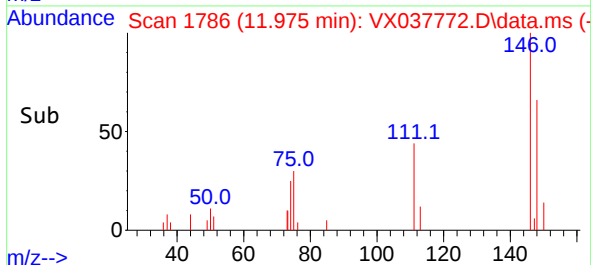
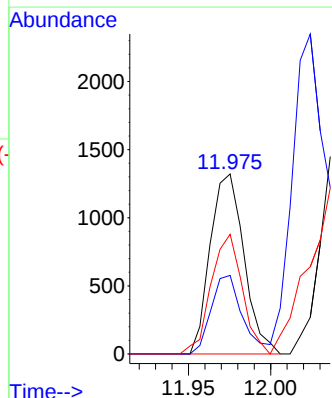
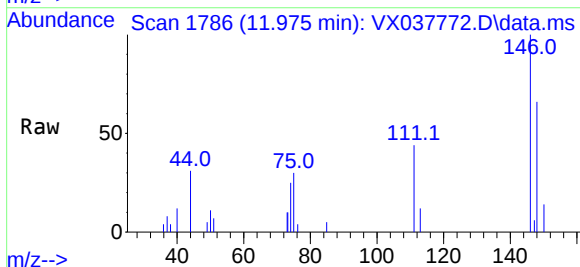
Tgt Ion:146 Resp: 1888

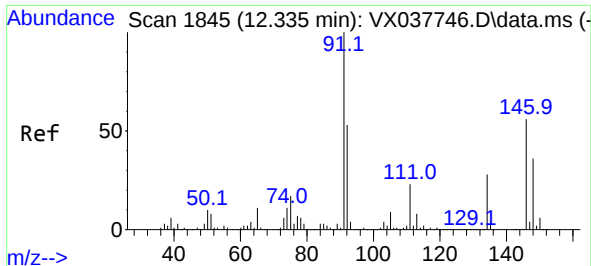
Ion Ratio Lower Upper

146 100

111 40.9 21.3 63.7

148 61.3 31.8 95.4



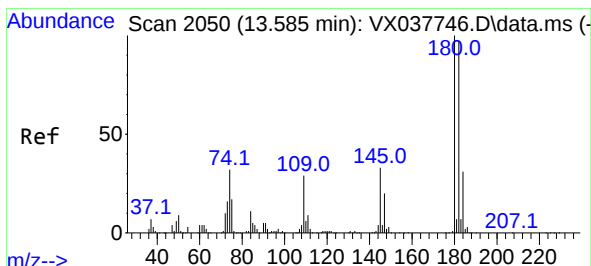
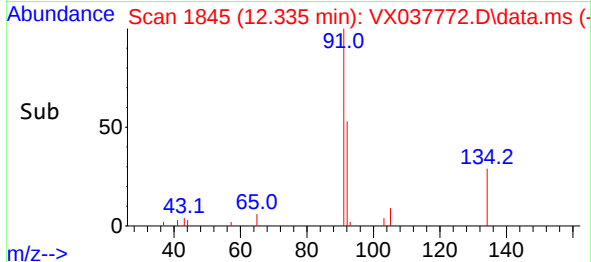
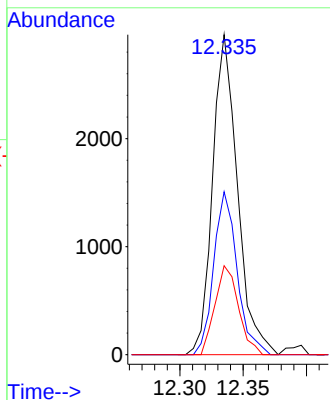
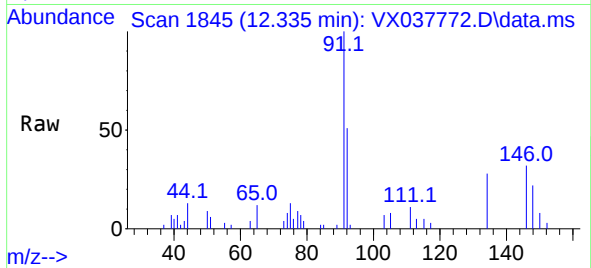


#89
n-Butylbenzene
Concen: 0.323 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 91 Resp: 4041

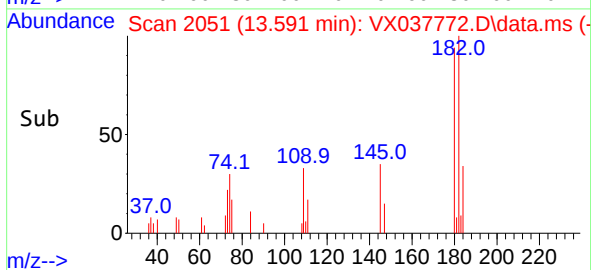
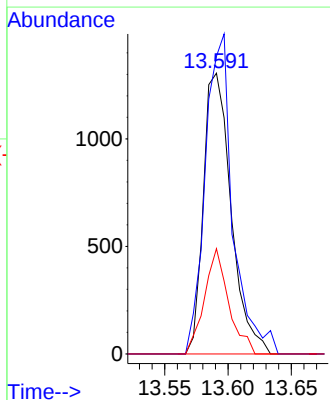
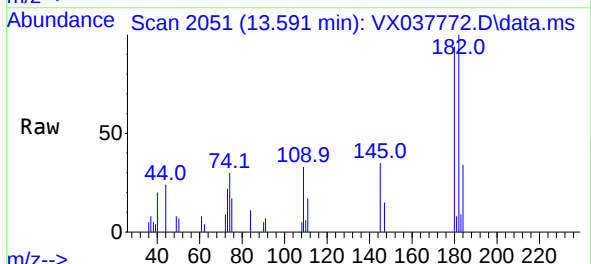
Ion	Ratio	Lower	Upper
91	100		
92	48.0	27.4	82.0
134	26.3	12.6	37.8

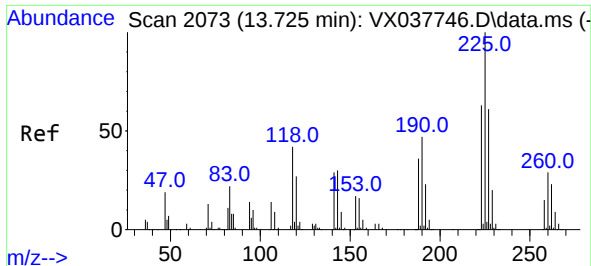


#93
1,2,4-Trichlorobenzene
Concen: 0.435 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

Tgt Ion: 180 Resp: 1995

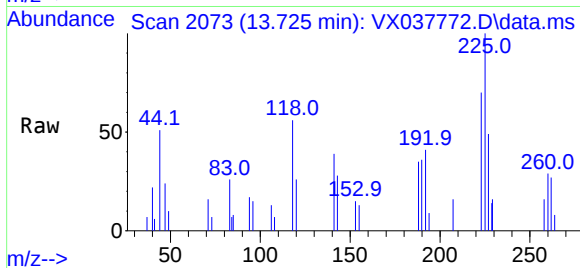
Ion	Ratio	Lower	Upper
180	100		
182	112.8	48.3	144.8
145	32.7	18.0	54.0



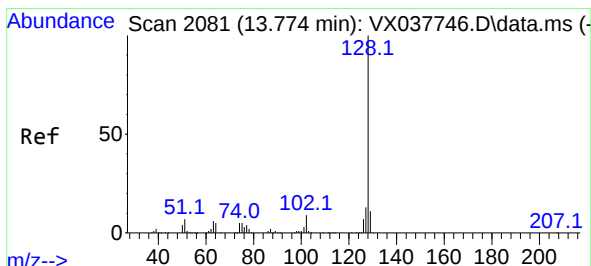
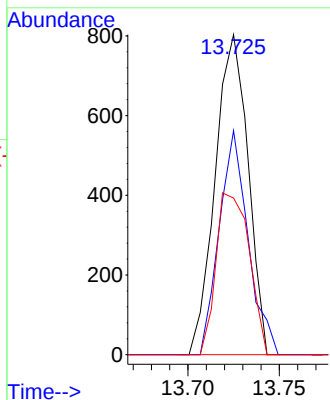
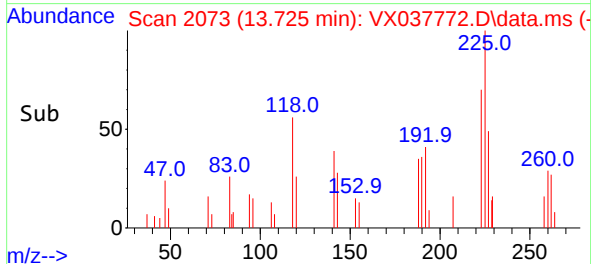


#94
Hexachlorobutadiene
Concen: 0.469 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21

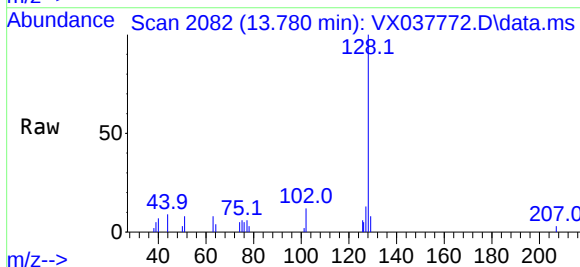
Instrument :
MSVOA_X
ClientSampleId :



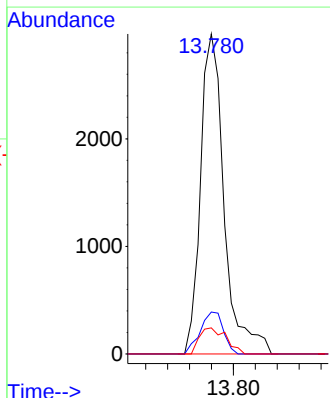
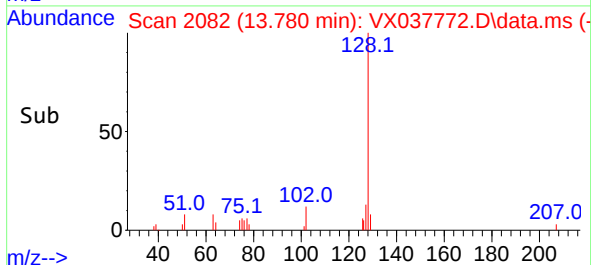
Tgt Ion:225 Resp: 1004
Ion Ratio Lower Upper
225 100
223 61.5 31.1 93.2
227 51.0 32.5 97.5

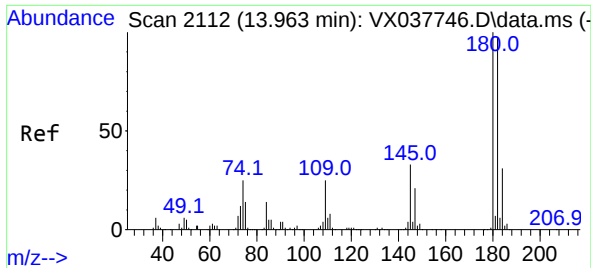


#95
Naphthalene
Concen: 0.286 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX037772.D
Acq: 18 Sep 2023 13:21



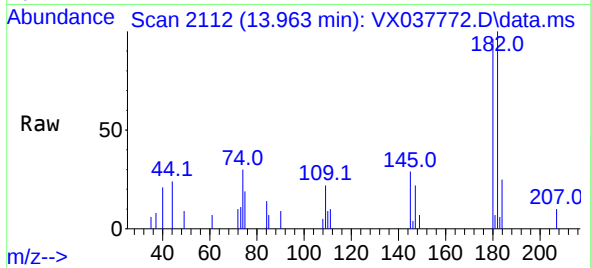
Tgt Ion:128 Resp: 4444
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 9.2 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.364 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX037772.D
 Acq: 18 Sep 2023 13:21

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	1717
Ion	Ratio	Lower	Upper
180	100		
182	91.9	46.9	140.6
145	29.8	17.8	53.5

