

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073123\
 Data File : VX036731.D
 Acq On : 31 Jul 2023 19:35
 Operator : JC/MD
 Sample : 03808-01DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1709DL

Quant Time: Aug 01 04:42:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

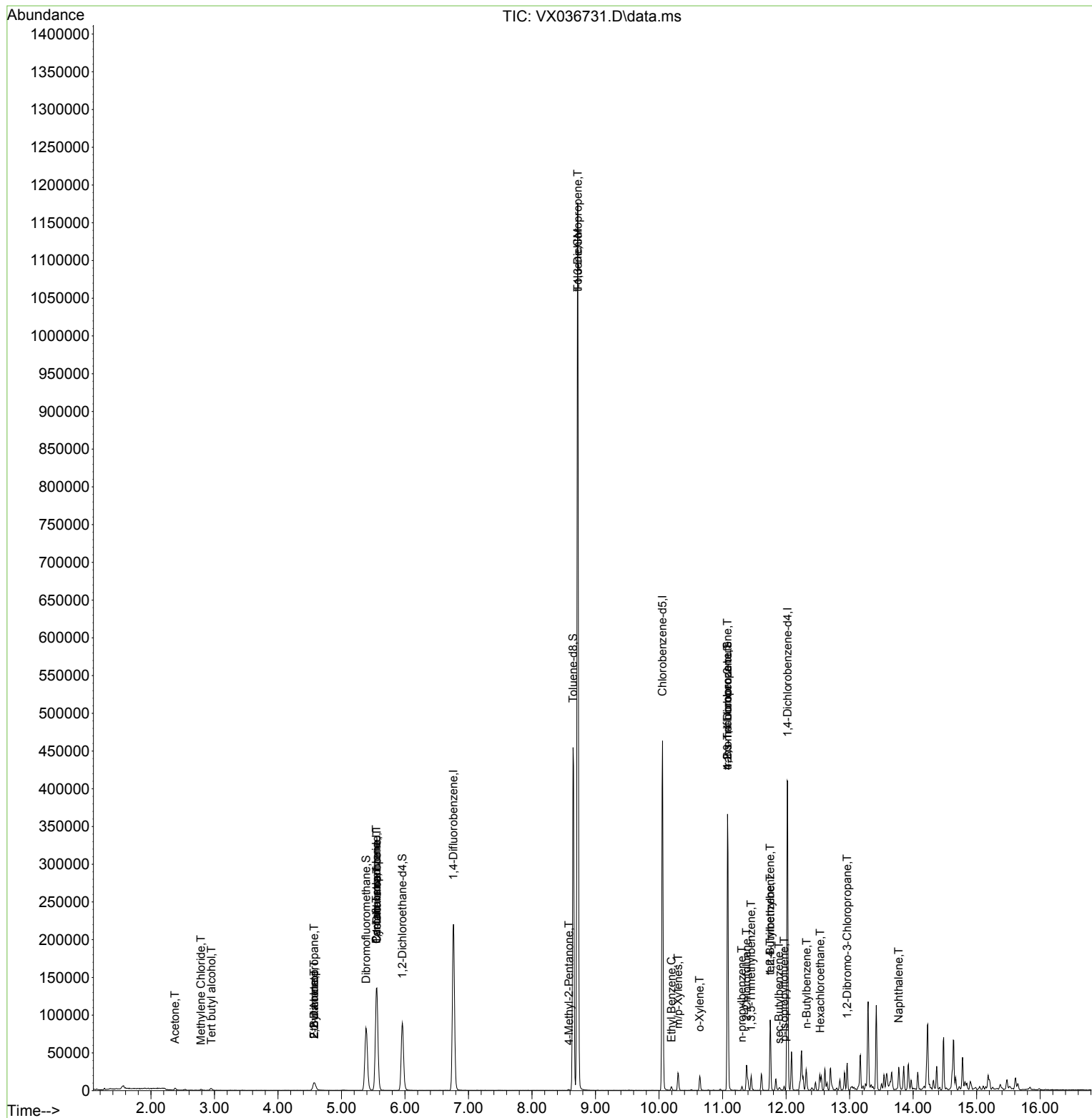
Internal Standards						
1) Pentafluorobenzene	5.550	168	127856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229180	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85521	45.206	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.420%		
35) Dibromofluoromethane	5.385	113	72973	46.325	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.640%		
50) Toluene-d8	8.647	98	273752	49.005	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.000%		
62) 4-Bromofluorobenzene	11.079	95	97004	46.026	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.060%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.953	59	1618	3.613	ug/l #	78
16) Acetone	2.380	43	3315	4.223	ug/l	90
20) Methylene Chloride	2.788	84	710	0.407	ug/l #	73
25) 2-Butanone	4.568	43	5432	4.265	ug/l	99
26) 2,2-Dichloropropane	4.568	77	737	0.261	ug/l #	54
31) Cyclohexane	5.556	56	2993	1.143	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10743	4.576	ug/l #	50
37) Ethyl Acetate	4.568	43	5432	2.044	ug/l #	73
38) Carbon Tetrachloride	5.550	117	13574	5.438	ug/l #	15
51) 4-Methyl-2-Pentanone	8.580	43	800	0.316	ug/l #	83
52) Toluene	8.720	92	435628	101.775	ug/l	98
53) t-1,3-Dichloropropene	8.720	75	5327	1.799	ug/l #	1
67) Ethyl Benzene	10.195	91	3077	0.372	ug/l	100
68) m/p-Xylenes	10.299	106	5656	1.835	ug/l	98
69) o-Xylene	10.640	106	4188	1.361	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	50645	24.889	ug/l #	39
78) n-propylbenzene	11.305	91	3446	0.416	ug/l	97
79) 2-Chlorotoluene	11.378	91	2957	0.589	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	8515	1.422	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	50645	56.412	ug/l #	5
83) tert-Butylbenzene	11.750	119	4765	0.810	ug/l #	57
84) 1,2,4-Trimethylbenzene	11.750	105	40891	6.826	ug/l	98
85) sec-Butylbenzene	11.890	105	1479	0.202	ug/l	99
86) p-Isopropyltoluene	11.969	119	2400	0.397	ug/l	95
89) n-Butylbenzene	12.323	91	3883	0.718	ug/l #	25
90) Hexachloroethane	12.536	117	802	0.655	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	12.963	75	132	0.235	ug/l #	9
95) Naphthalene	13.774	128	18535	2.962	ug/l	98

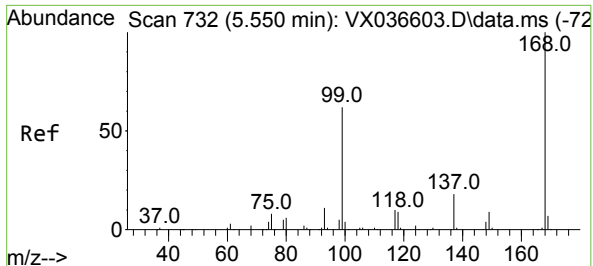
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073123\
Data File : VX036731.D
Acq On : 31 Jul 2023 19:35
Operator : JC/MD
Sample : 03808-01DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1709DL

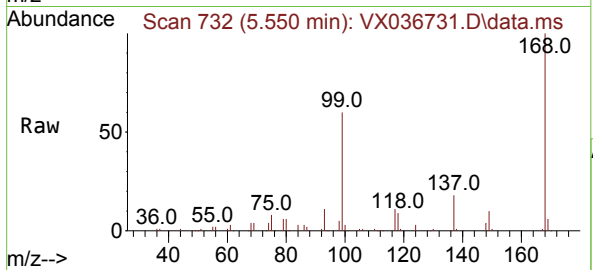
Quant Time: Aug 01 04:42:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



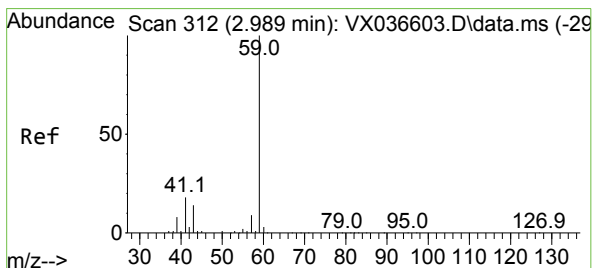
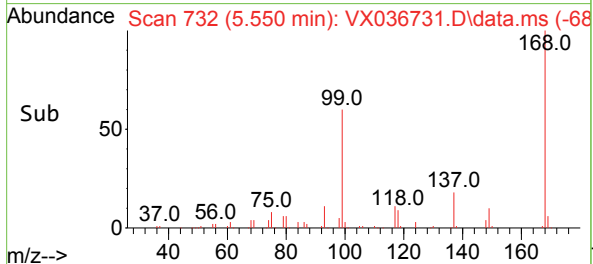
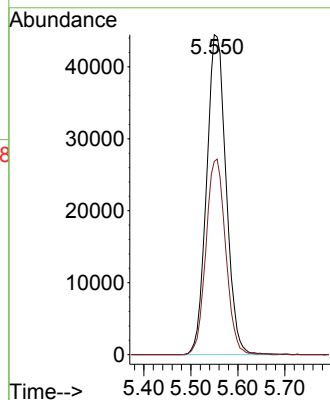


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

Instrument :
MSVOA_X
ClientSampleId :
1709DL

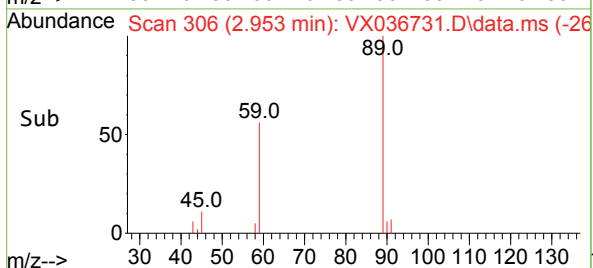
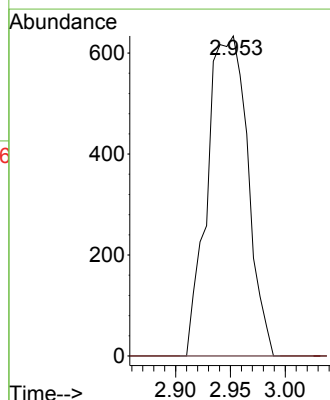
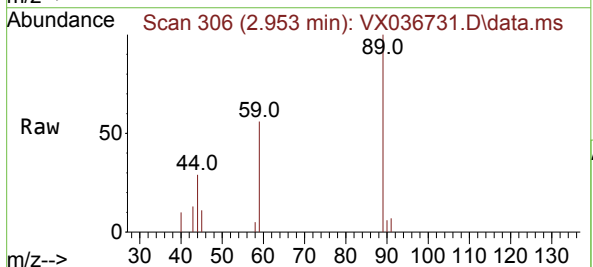


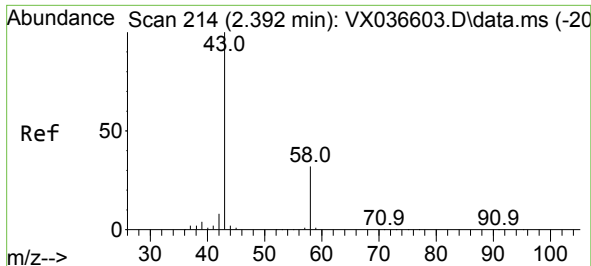
Tgt Ion:168 Resp: 127856
Ion Ratio Lower Upper
168 100
99 60.4 56.6 85.0



#11
Tert butyl alcohol
Concen: 3.613 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.037 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

Tgt Ion: 59 Resp: 1618
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

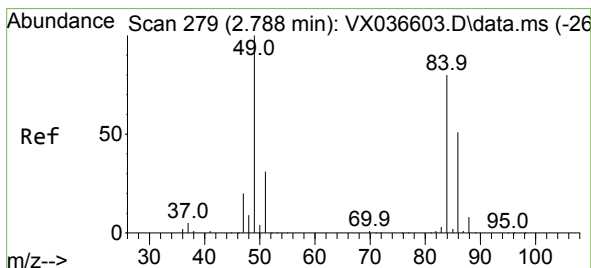
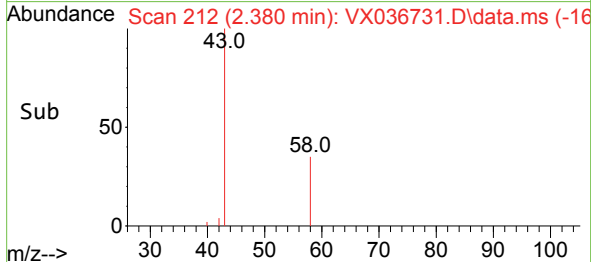
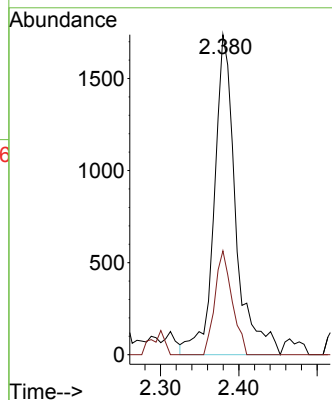
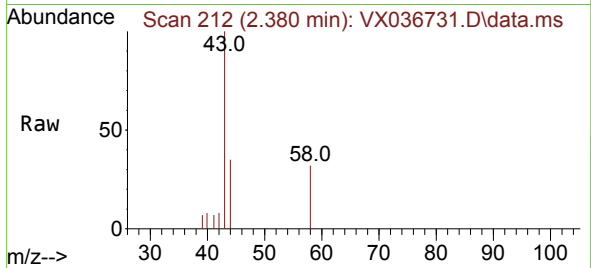




#16
Acetone
Concen: 4.223 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

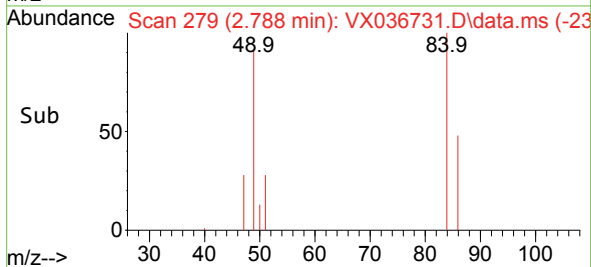
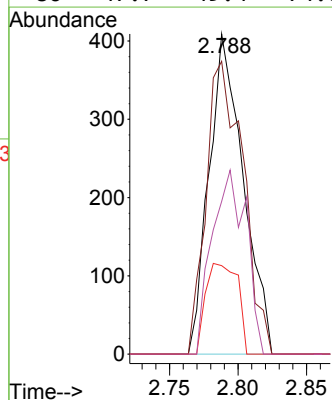
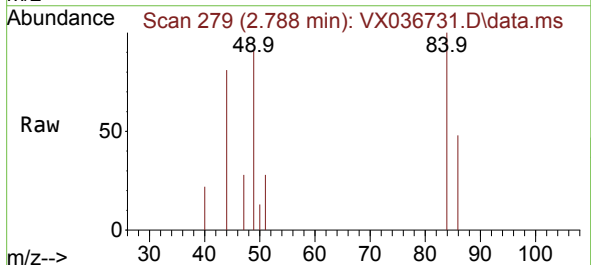
Instrument :
MSVOA_X
ClientSampleId :
1709DL

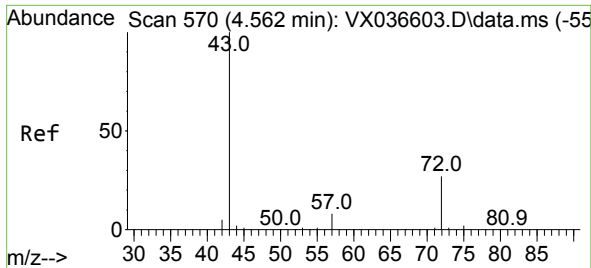
Tgt Ion: 43 Resp: 3315
Ion Ratio Lower Upper
43 100
58 32.5 21.9 32.9



#20
Methylene Chloride
Concen: 0.407 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

Tgt Ion: 84 Resp: 710
Ion Ratio Lower Upper
84 100
49 91.4 103.6 155.4#
51 27.6 33.8 50.6#
86 47.7 49.4 74.0#

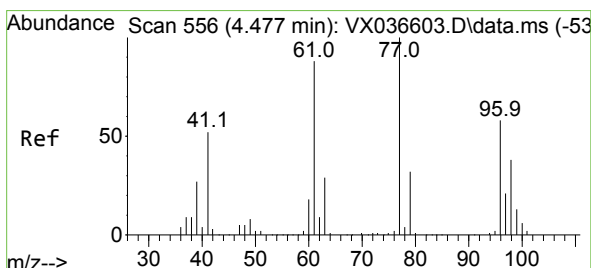
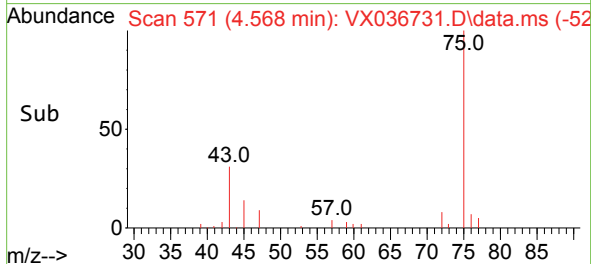
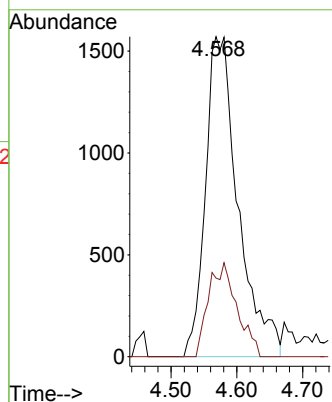
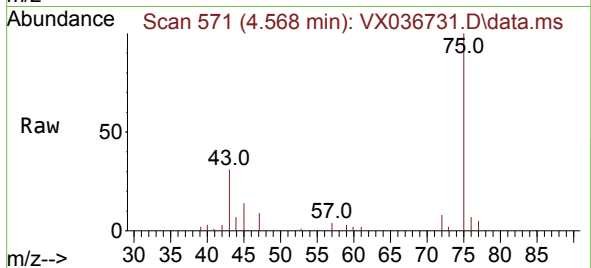




#25
2-Butanone
Concen: 4.265 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

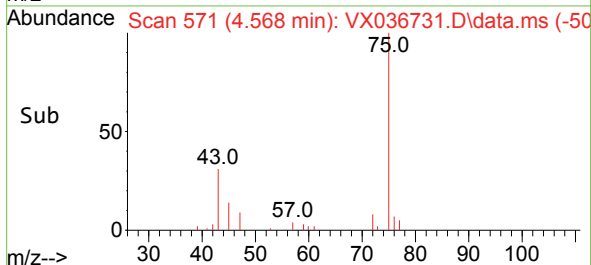
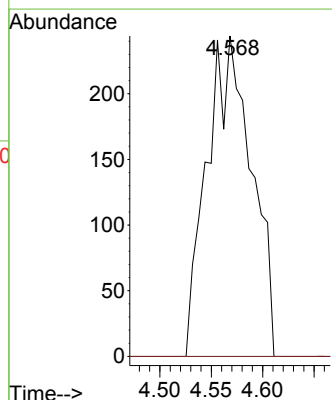
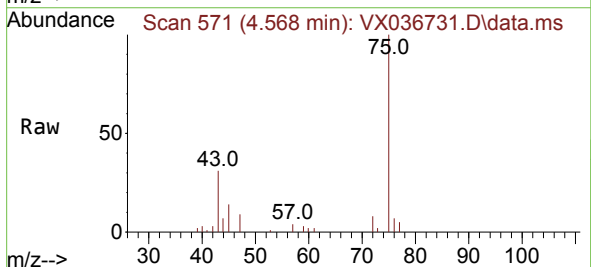
Instrument :
MSVOA_X
ClientSampleId :
1709DL

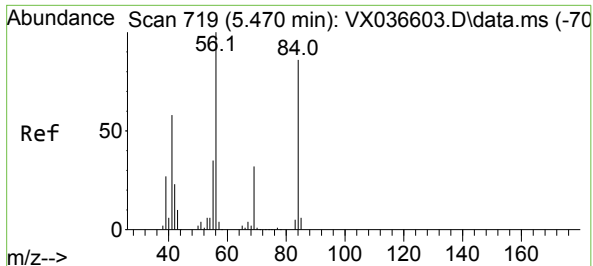
Tgt Ion: 43 Resp: 5432
Ion Ratio Lower Upper
43 100
72 24.6 19.4 29.2



#26
2,2-Dichloropropane
Concen: 0.261 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.091 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

Tgt Ion: 77 Resp: 737
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#

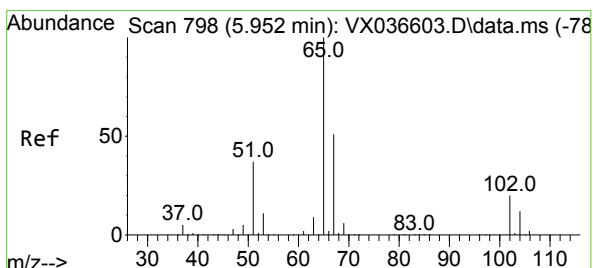
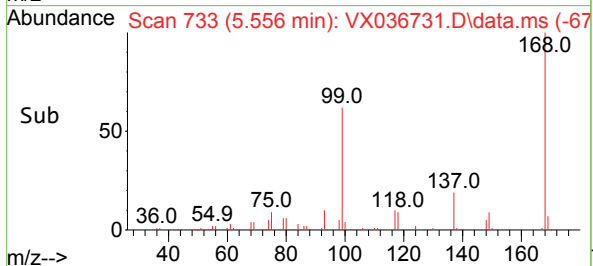
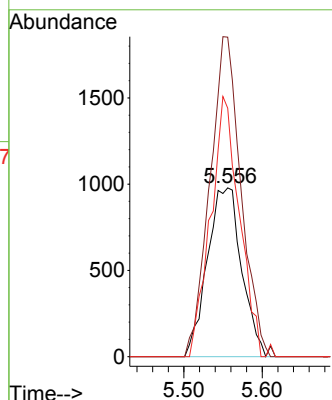
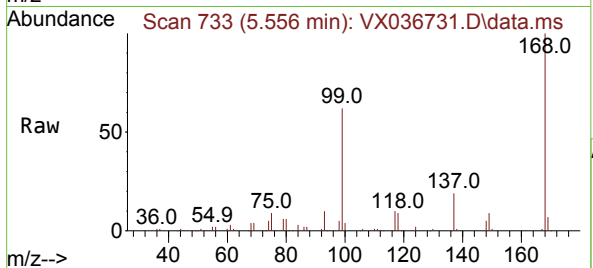




#31
Cyclohexane
Concen: 1.143 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

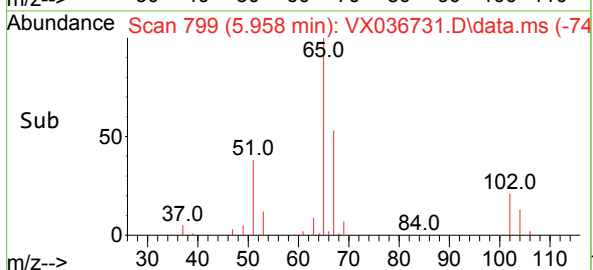
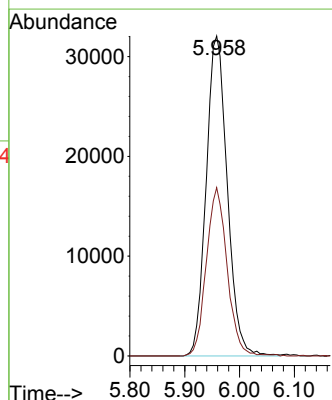
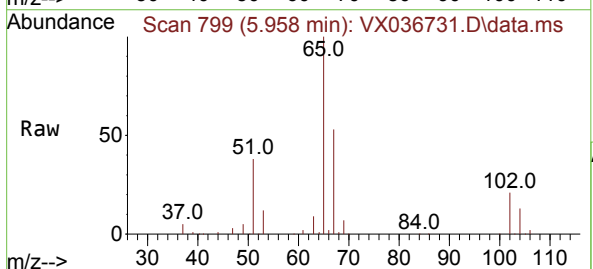
Instrument :
MSVOA_X
ClientSampleId :
1709DL

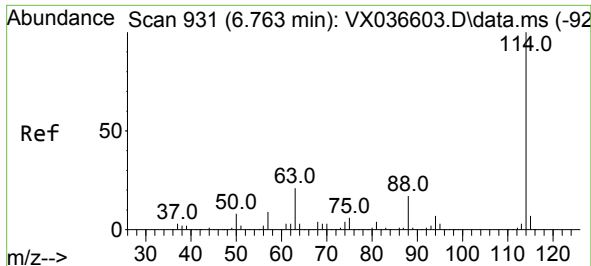
Tgt Ion: 56 Resp: 2993
Ion Ratio Lower Upper
56 100
69 189.4 23.4 35.2#
84 147.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.206 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

Tgt Ion: 65 Resp: 85521
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.2

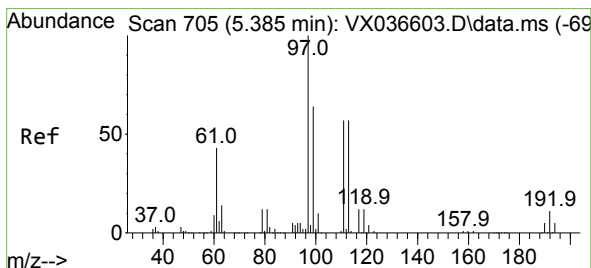
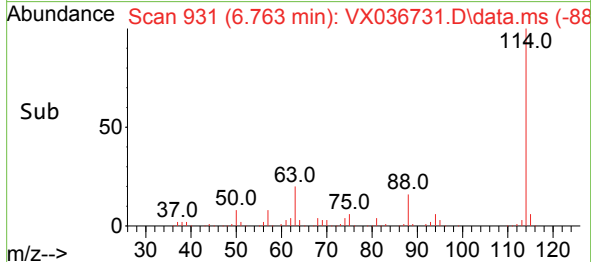
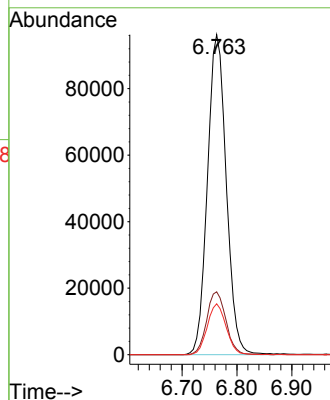
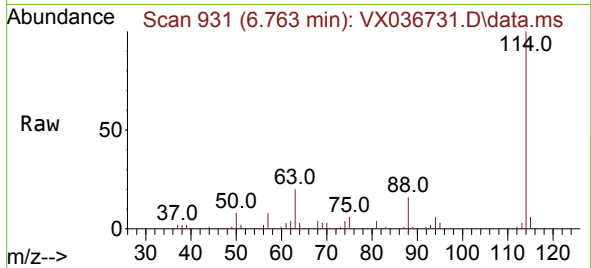




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

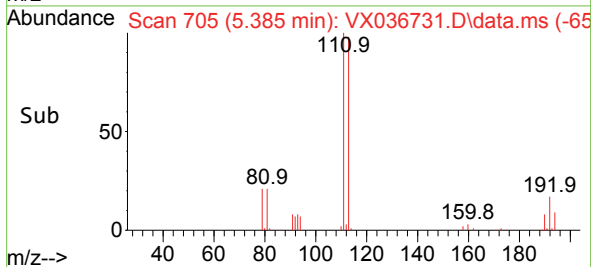
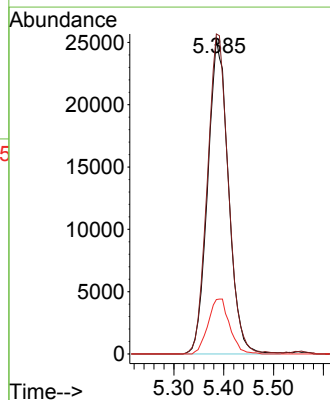
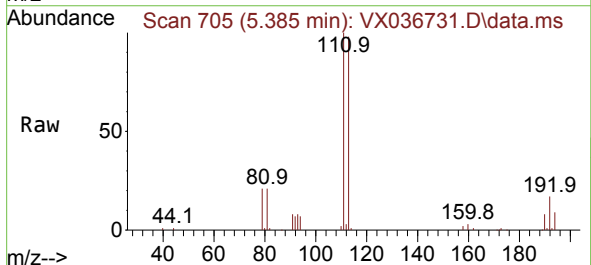
Instrument :
MSVOA_X
ClientSampleId :
1709DL

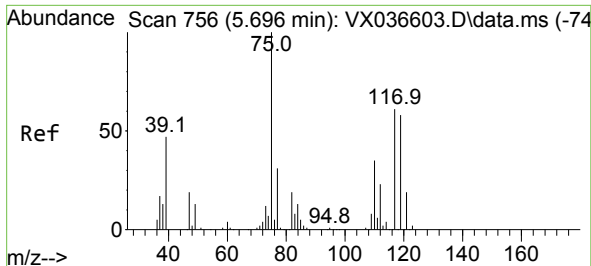
Tgt Ion:114 Resp: 229180
Ion Ratio Lower Upper
114 100
63 19.7 0.0 45.0
88 15.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.325 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

Tgt Ion:113 Resp: 72973
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 18.1 13.3 19.9

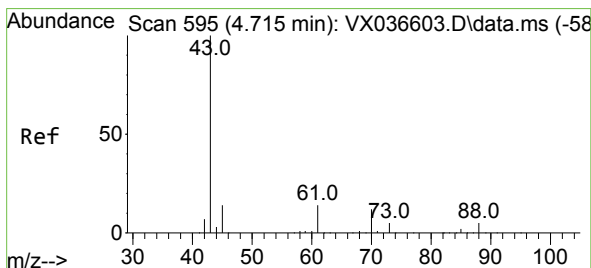
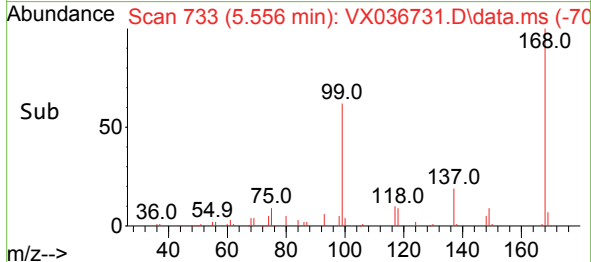
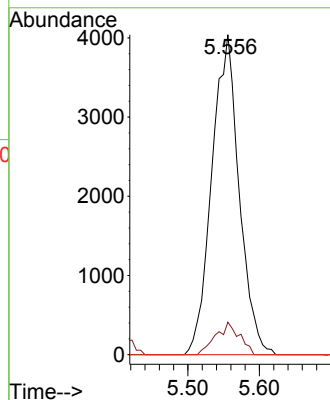
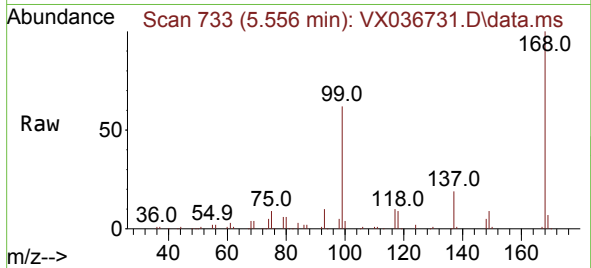




#36
1,1-Dichloropropene
Concen: 4.576 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

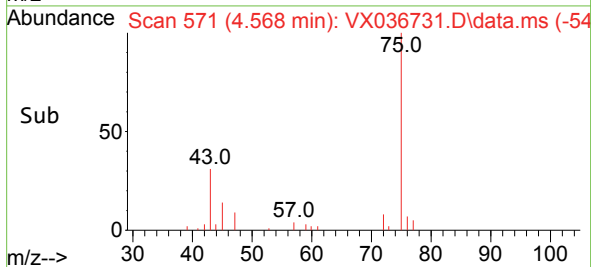
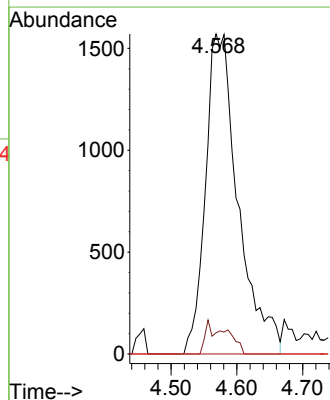
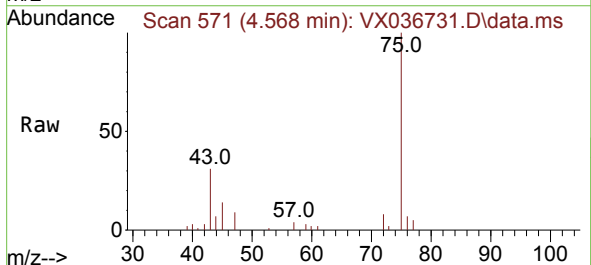
Instrument :
MSVOA_X
ClientSampleId :
1709DL

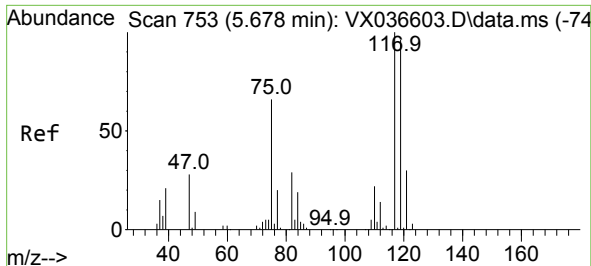
Tgt Ion: 75 Resp: 10743
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.044 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.146 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

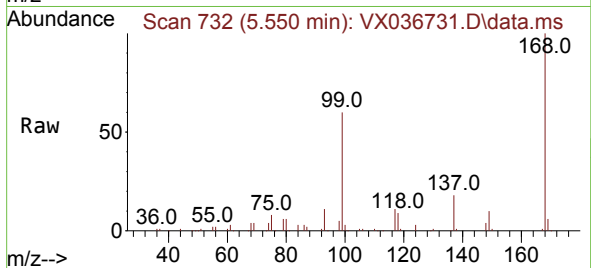
Tgt Ion: 43 Resp: 5432
Ion Ratio Lower Upper
43 100
61 2.9 10.6 16.0#
70 0.0 8.3 12.5#



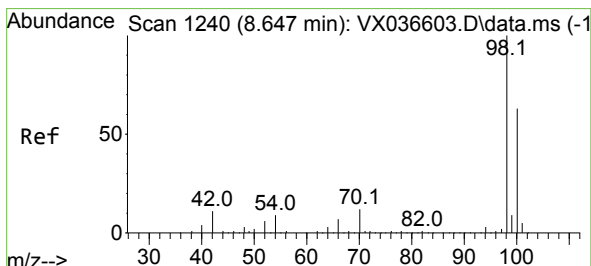
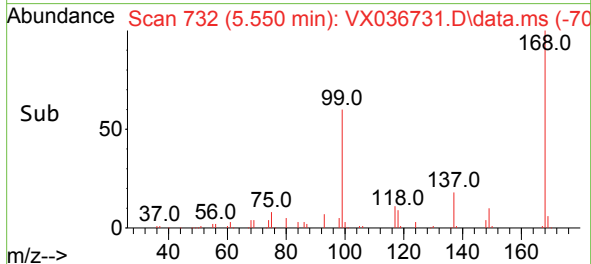
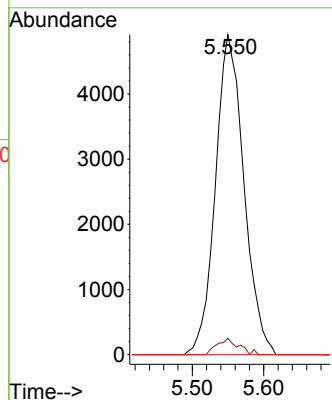


#38
Carbon Tetrachloride
Concen: 5.438 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

Instrument :
MSVOA_X
ClientSampleId :
1709DL

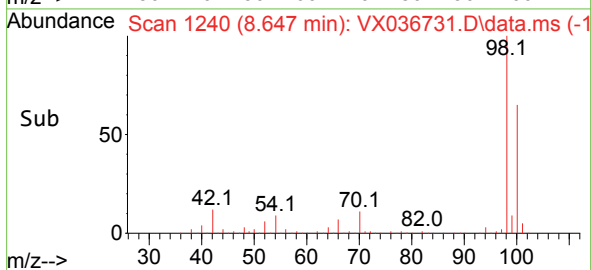
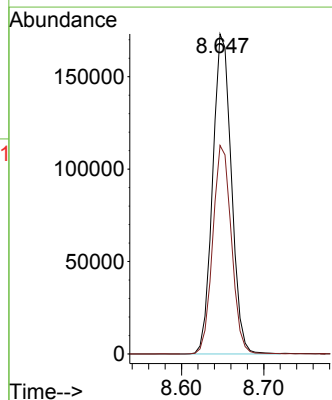
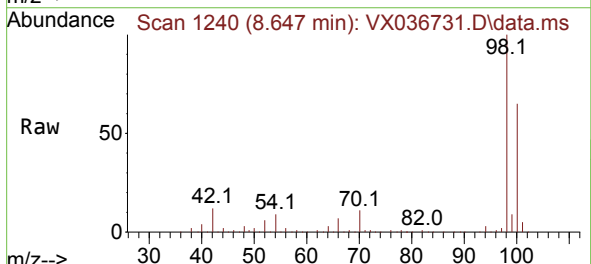


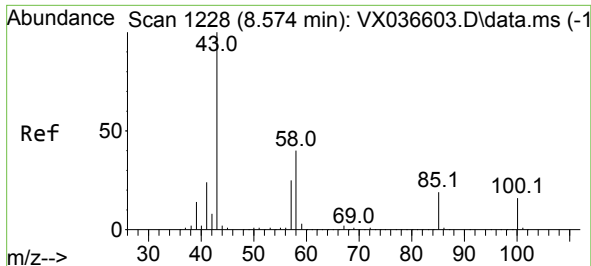
Tgt Ion:117 Resp: 13574
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.005 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

Tgt Ion: 98 Resp: 273752
Ion Ratio Lower Upper
98 100
100 65.1 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.316 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX036731.D

Acq: 31 Jul 2023 19:35

Instrument :

MSVOA_X

ClientSampleId :

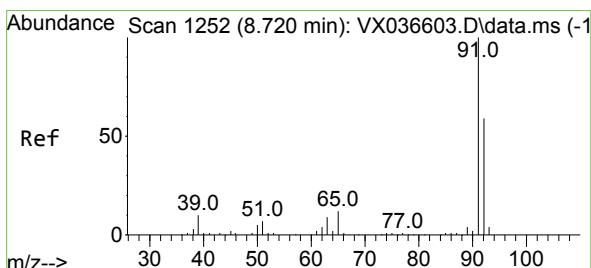
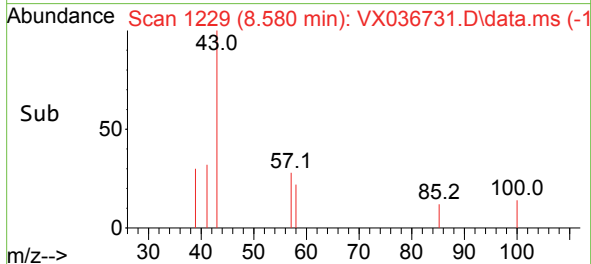
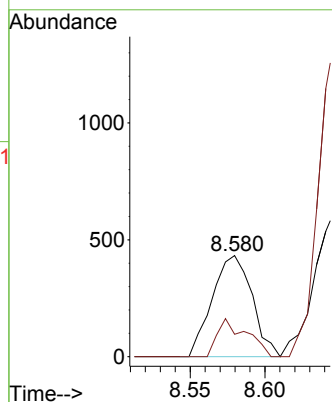
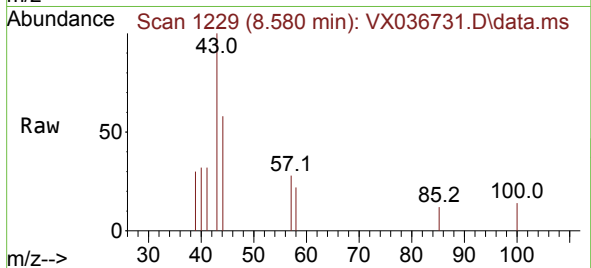
1709DL

Tgt Ion: 43 Resp: 800

Ion Ratio Lower Upper

43 100

58 27.6 30.4 45.6#



#52

Toluene

Concen: 101.775 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX036731.D

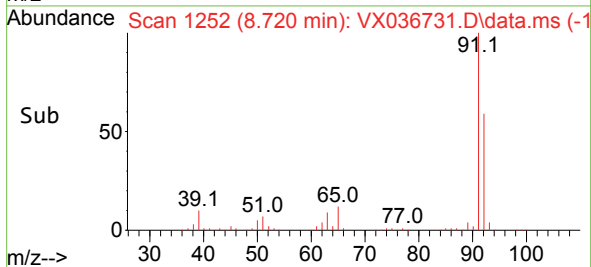
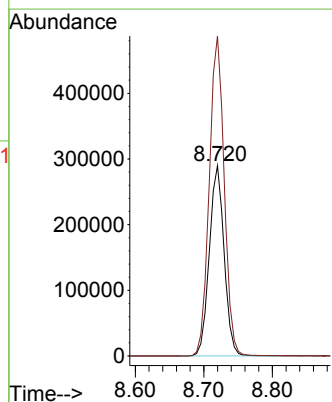
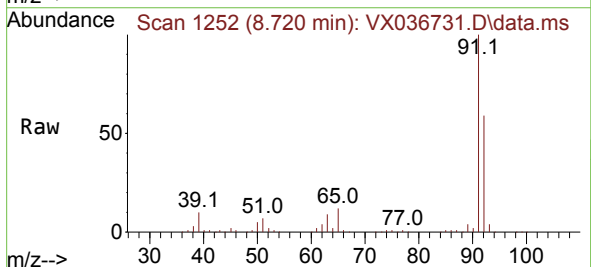
Acq: 31 Jul 2023 19:35

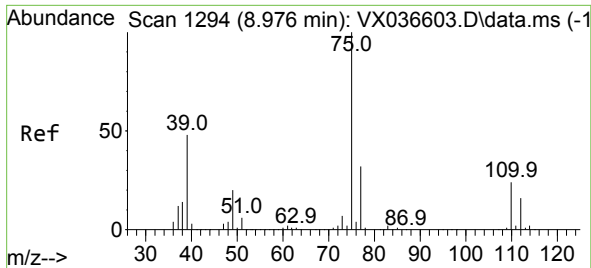
Tgt Ion: 92 Resp: 435628

Ion Ratio Lower Upper

92 100

91 170.2 134.2 201.2

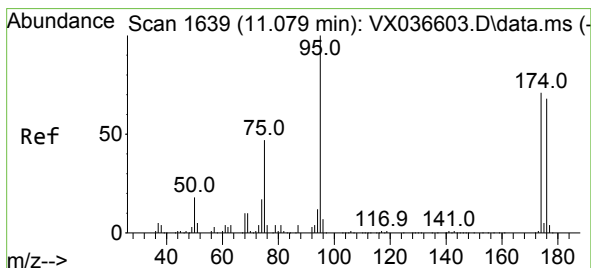
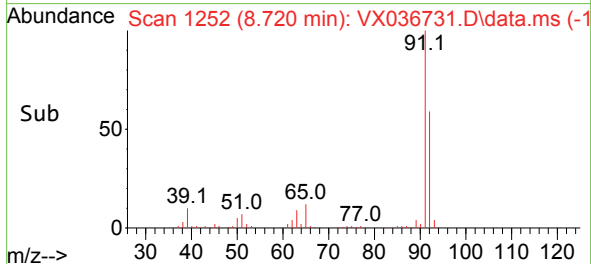
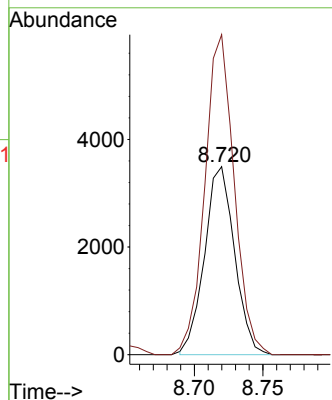
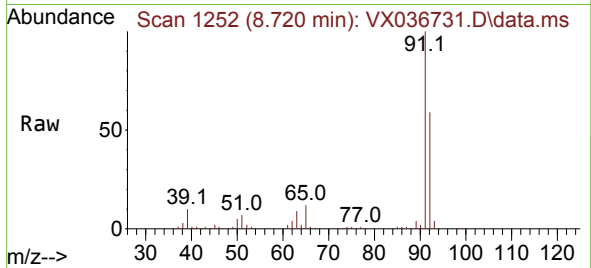




#53
t-1,3-Dichloropropene
Concen: 1.799 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.256 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

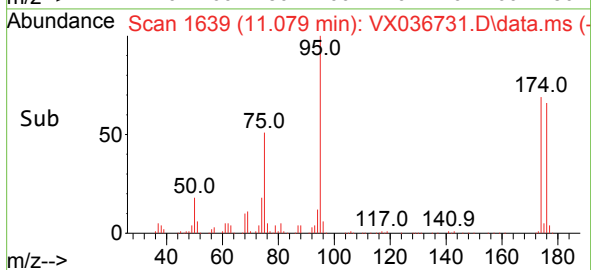
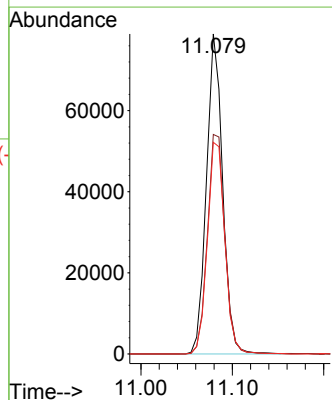
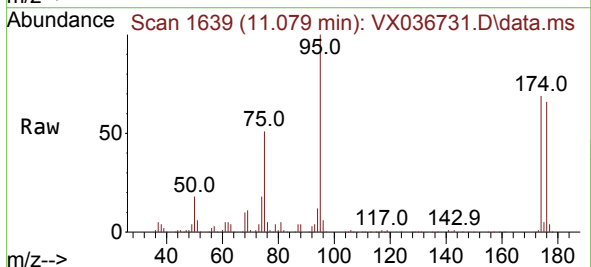
Instrument :
MSVOA_X
ClientSampleId :
1709DL

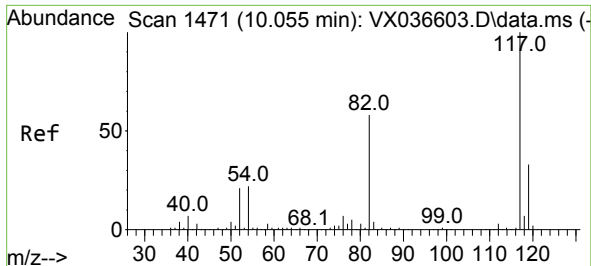
Tgt Ion: 75 Resp: 5327
Ion Ratio Lower Upper
75 100
77 170.2 25.7 38.5#



#62
4-Bromofluorobenzene
Concen: 46.026 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

Tgt Ion: 95 Resp: 97004
Ion Ratio Lower Upper
95 100
174 73.8 0.0 135.6
176 71.3 0.0 131.0

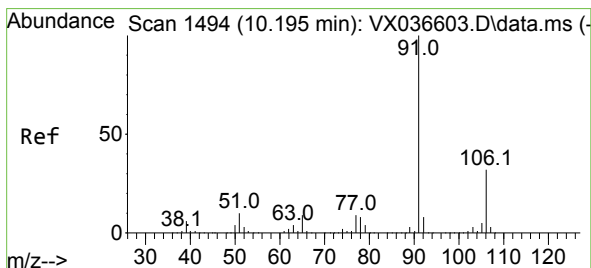
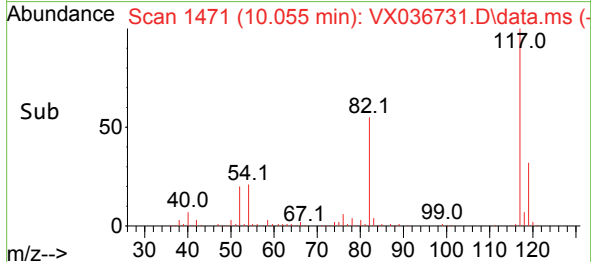
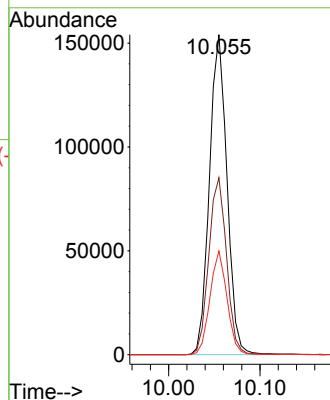
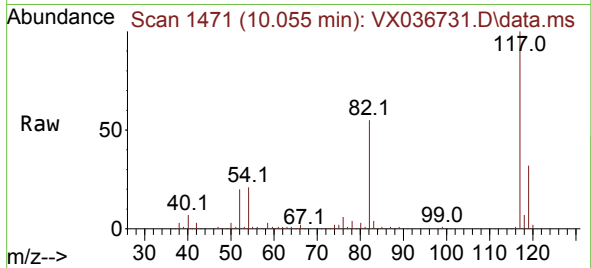




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

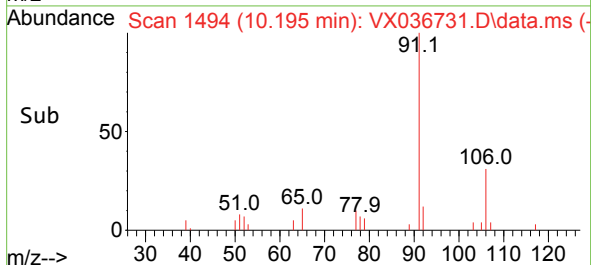
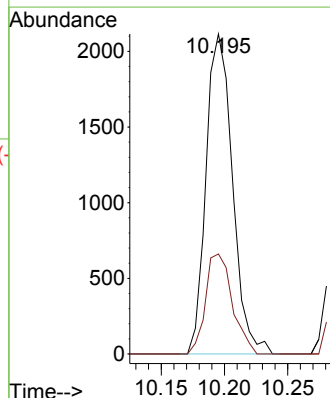
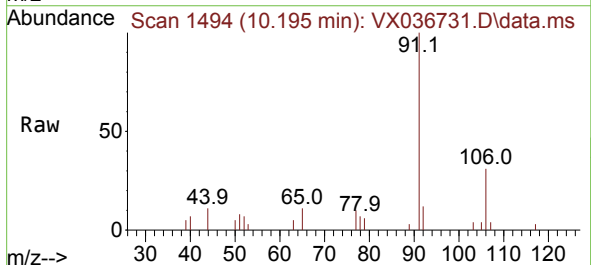
Instrument :
MSVOA_X
ClientSampleId :
1709DL

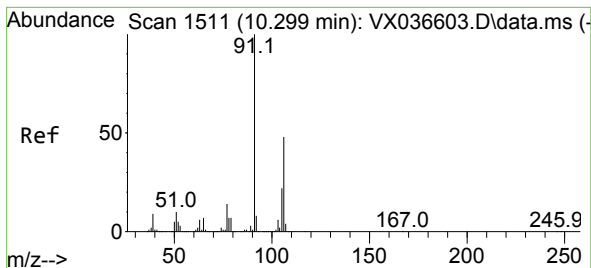
Tgt Ion:117 Resp: 205171
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.4 25.5 38.3



#67
Ethyl Benzene
Concen: 0.372 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

Tgt Ion: 91 Resp: 3077
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3

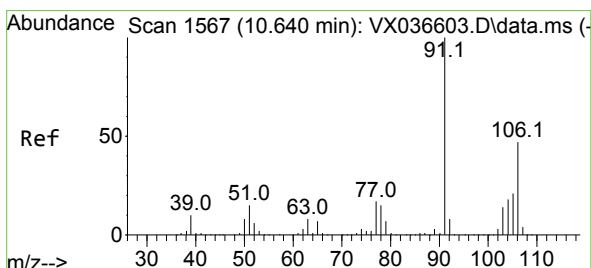
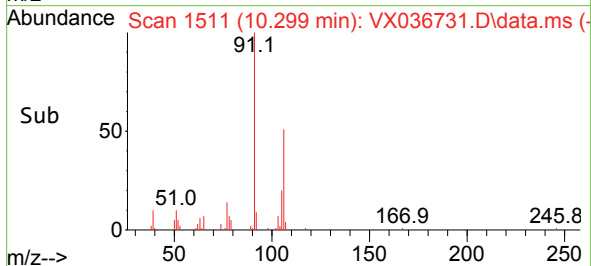
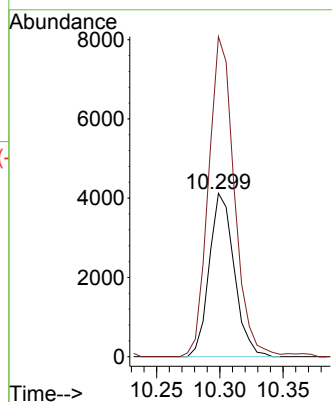
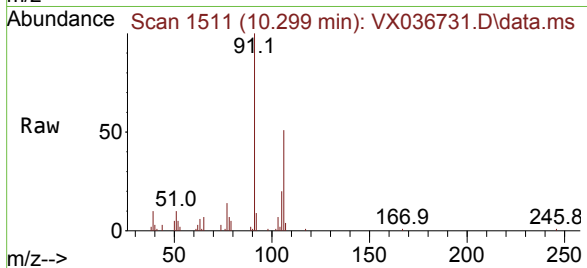




#68
m/p-Xylenes
Concen: 1.835 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

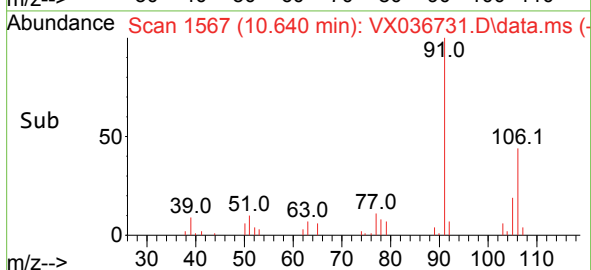
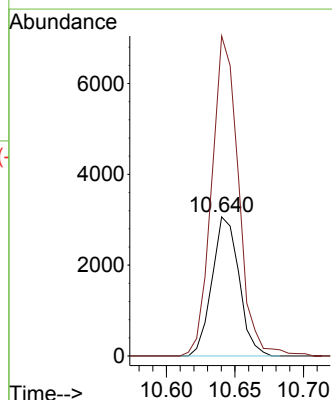
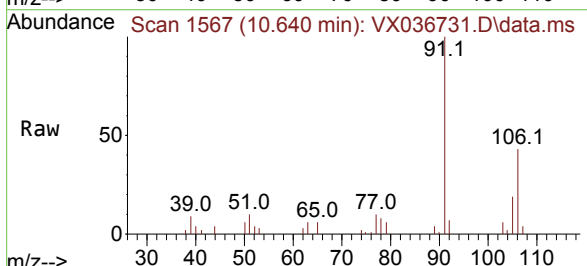
Instrument :
MSVOA_X
ClientSampleId :
1709DL

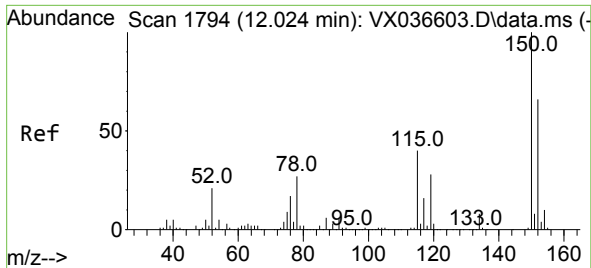
Tgt Ion:106 Resp: 5656
Ion Ratio Lower Upper
106 100
91 204.5 165.5 248.3



#69
o-Xylene
Concen: 1.361 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

Tgt Ion:106 Resp: 4188
Ion Ratio Lower Upper
106 100
91 229.7 108.9 326.8

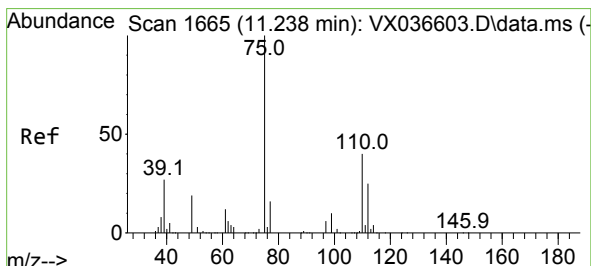
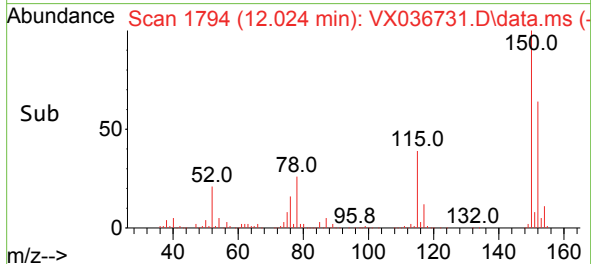
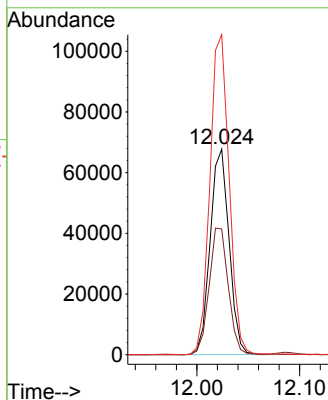
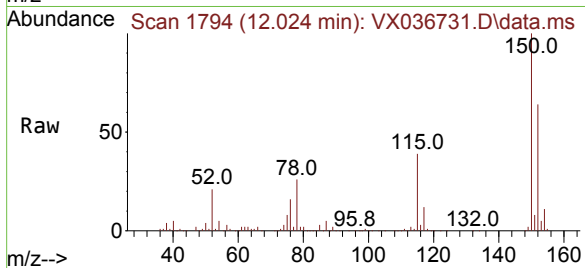




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036731.D
 Acq: 31 Jul 2023 19:35

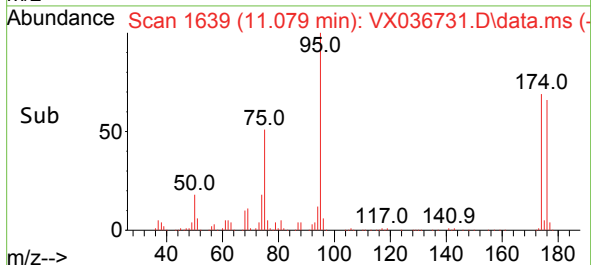
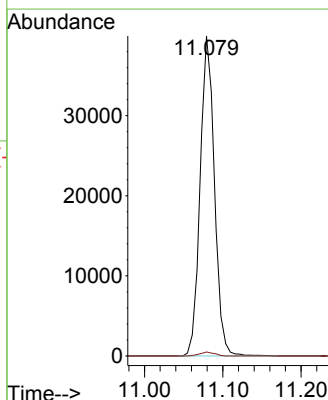
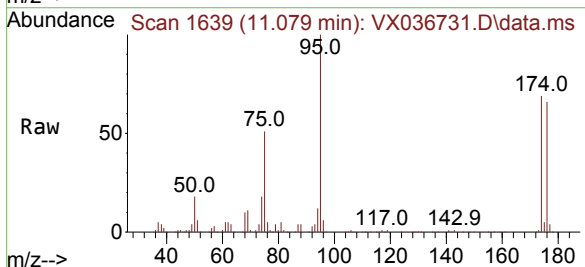
Instrument :
 MSVOA_X
 ClientSampleId :
 1709DL

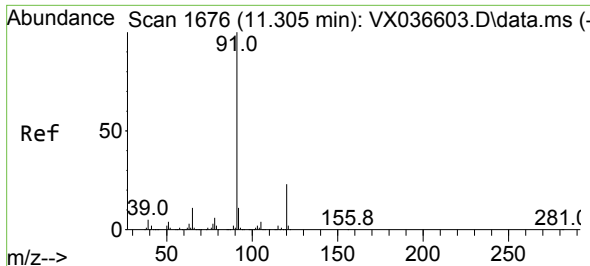
Tgt Ion:152 Resp: 86512
 Ion Ratio Lower Upper
 152 100
 115 62.5 43.3 129.9
 150 158.0 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 24.889 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX036731.D
 Acq: 31 Jul 2023 19:35

Tgt Ion: 75 Resp: 50645
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

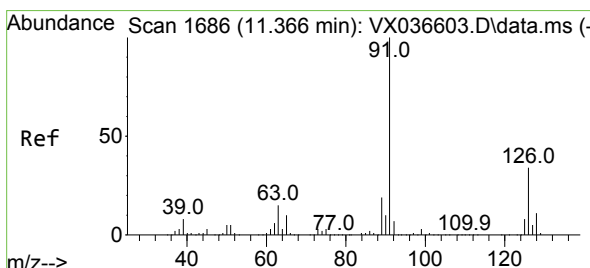
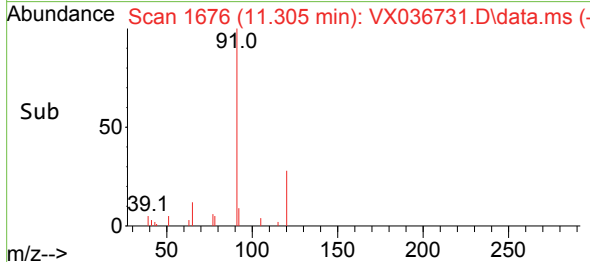
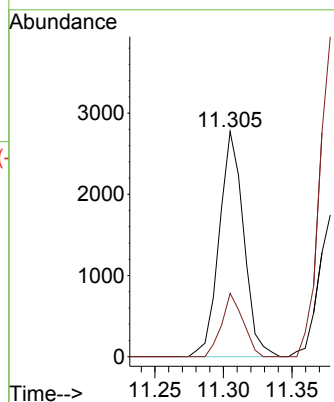
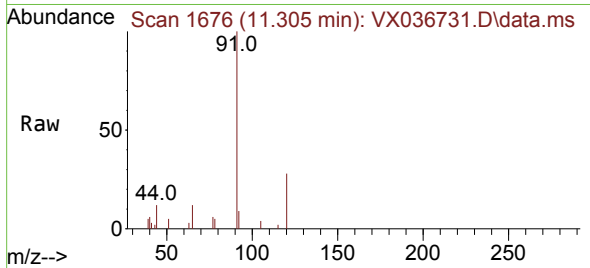




#78
n-propylbenzene
Concen: 0.416 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

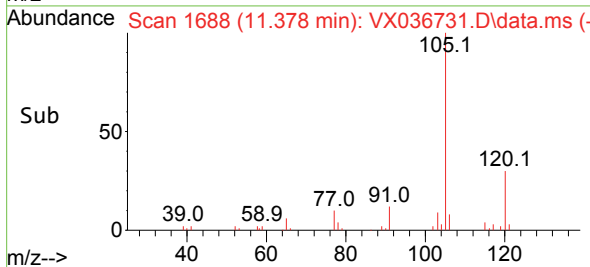
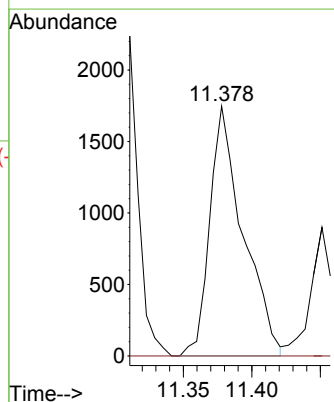
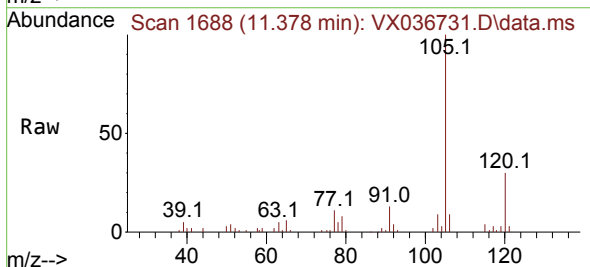
Instrument :
MSVOA_X
ClientSampleId :
1709DL

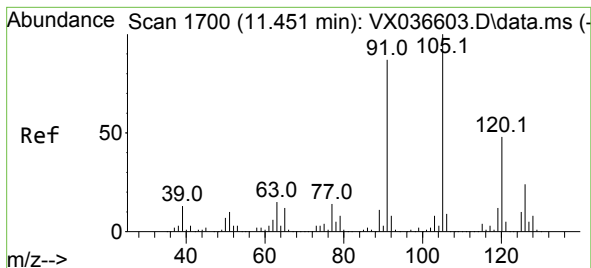
Tgt Ion: 91 Resp: 3446
Ion Ratio Lower Upper
91 100
120 24.6 11.5 34.4



#79
2-Chlorotoluene
Concen: 0.589 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.012 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

Tgt Ion: 91 Resp: 2957
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#





#80

1,3,5-Trimethylbenzene

Concen: 1.422 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036731.D

Acq: 31 Jul 2023 19:35

Instrument :

MSVOA_X

ClientSampleId :

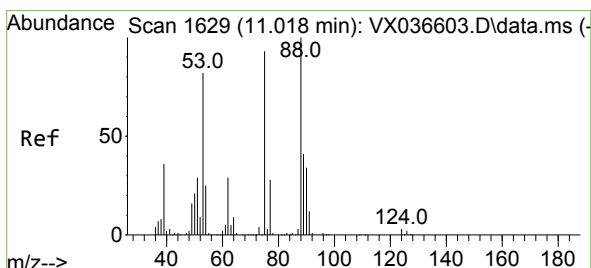
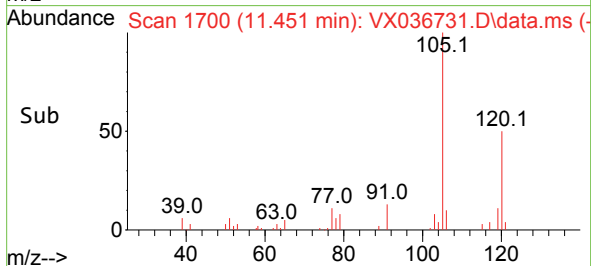
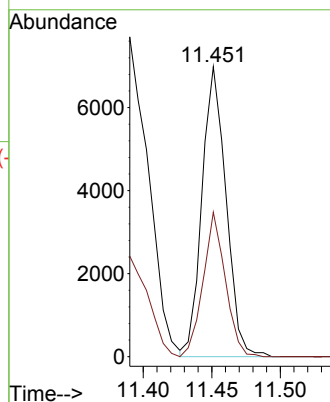
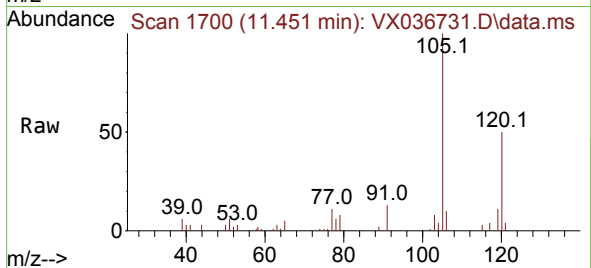
1709DL

Tgt Ion:105 Resp: 8515

Ion Ratio Lower Upper

105 100

120 46.1 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 56.412 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036731.D

Acq: 31 Jul 2023 19:35

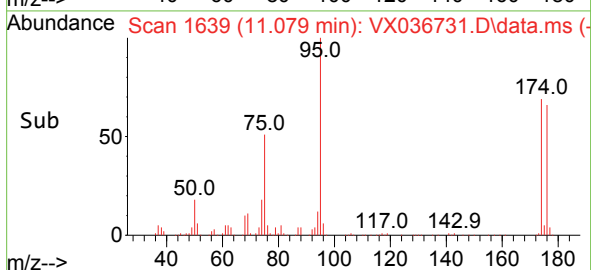
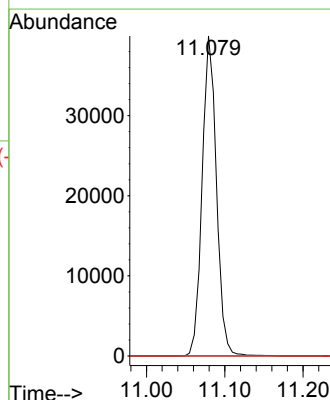
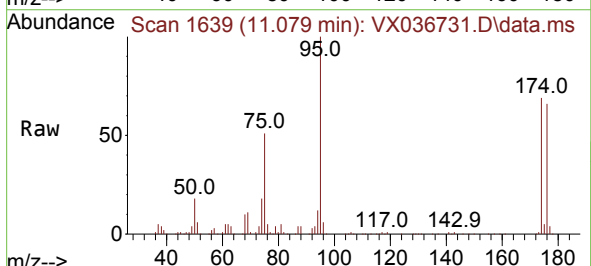
Tgt Ion: 75 Resp: 50645

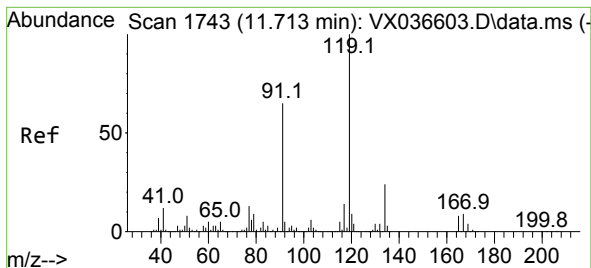
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#83

tert-Butylbenzene

Concen: 0.810 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.037 min

Lab File: VX036731.D

Acq: 31 Jul 2023 19:35

Instrument :

MSVOA_X

ClientSampleId :

1709DL

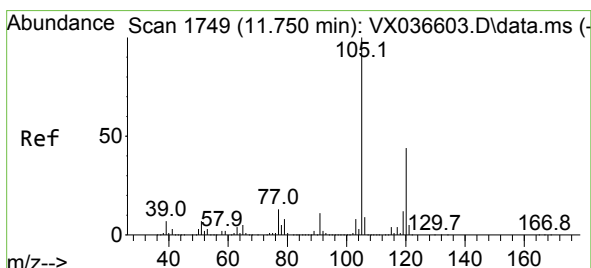
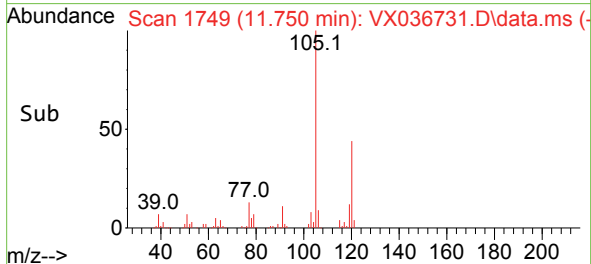
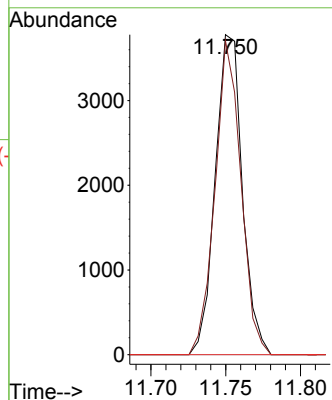
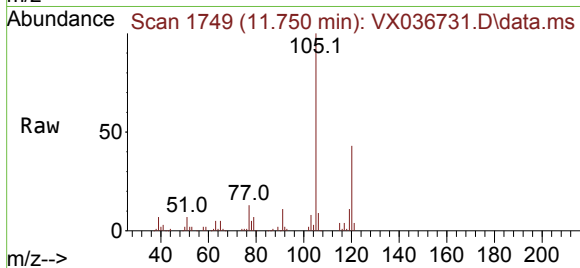
Tgt Ion:119 Resp: 4765

Ion Ratio Lower Upper

119 100

91 93.7 31.2 93.6#

134 0.0 11.7 35.0#



#84

1,2,4-Trimethylbenzene

Concen: 6.826 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX036731.D

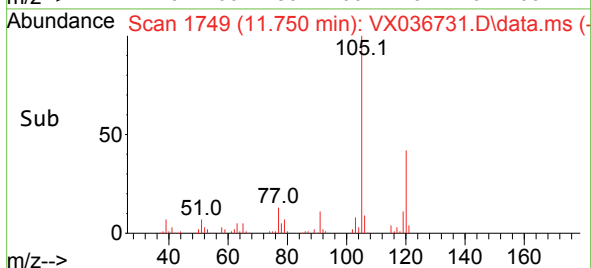
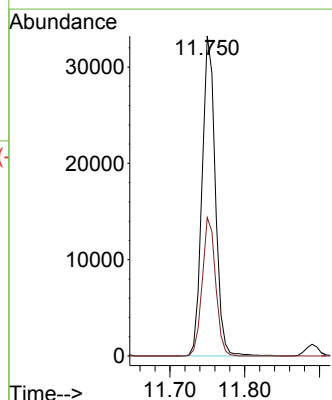
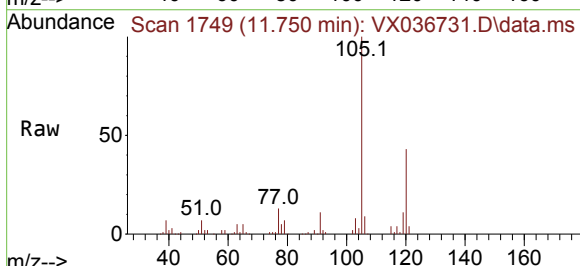
Acq: 31 Jul 2023 19:35

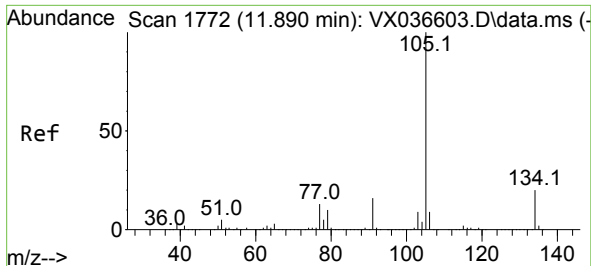
Tgt Ion:105 Resp: 40891

Ion Ratio Lower Upper

105 100

120 43.7 21.2 63.6

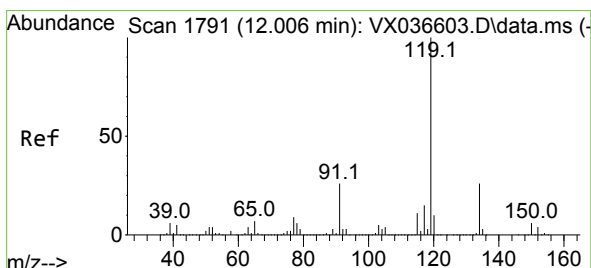
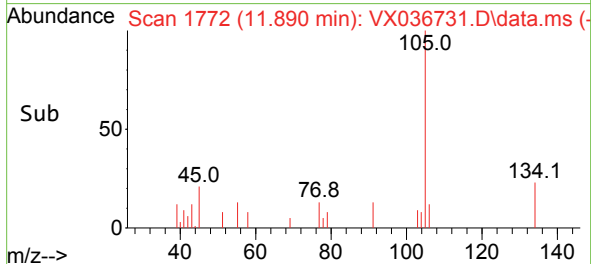
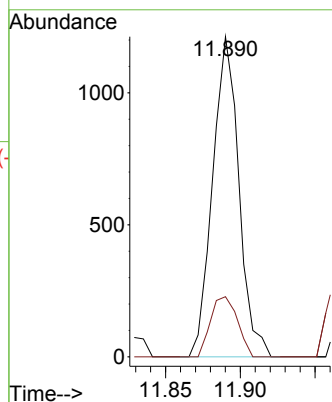
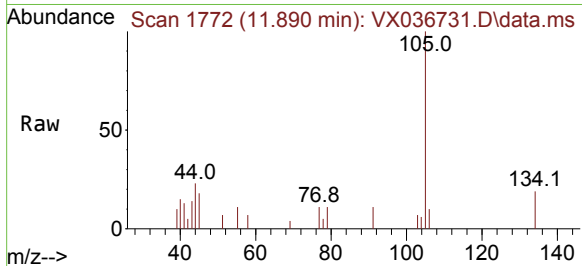




#85
 sec-Butylbenzene
 Concen: 0.202 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX036731.D
 Acq: 31 Jul 2023 19:35

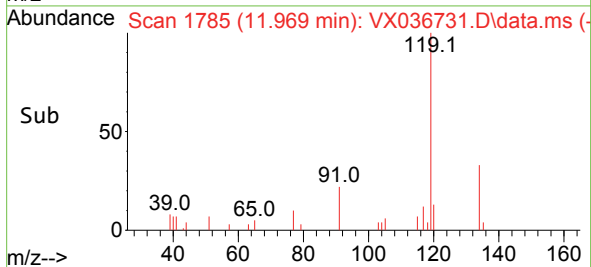
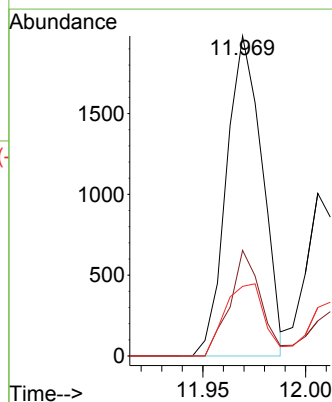
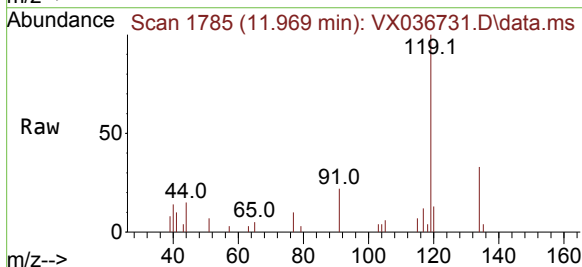
Instrument :
 MSVOA_X
 ClientSampleId :
 1709DL

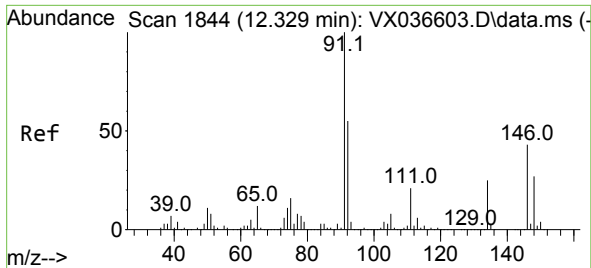
Tgt Ion:105 Resp: 1479
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 0.397 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. -0.037 min
 Lab File: VX036731.D
 Acq: 31 Jul 2023 19:35

Tgt Ion:119 Resp: 2400
 Ion Ratio Lower Upper
 119 100
 134 29.7 12.8 38.3
 91 25.0 13.1 39.3

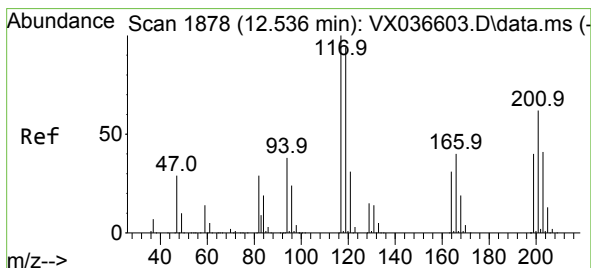
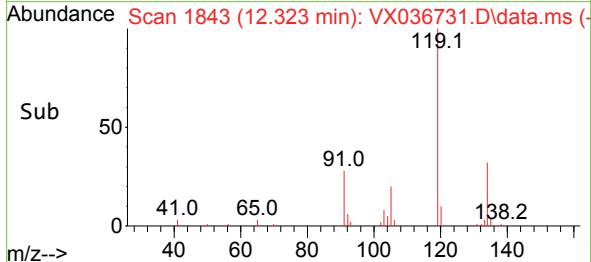
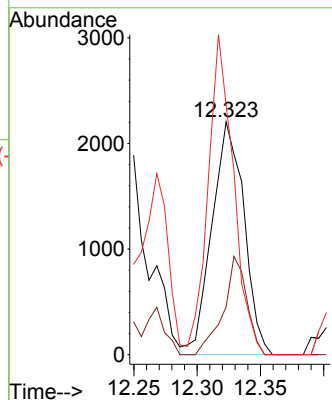
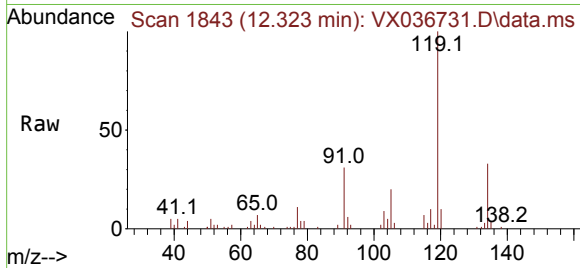




#89
n-Butylbenzene
Concen: 0.718 ug/l
RT: 12.323 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

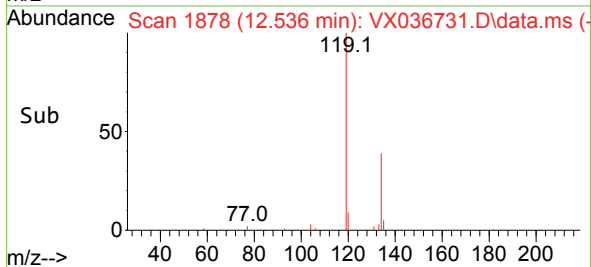
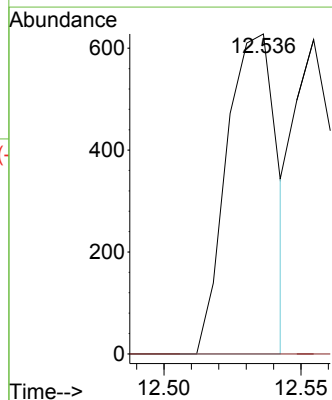
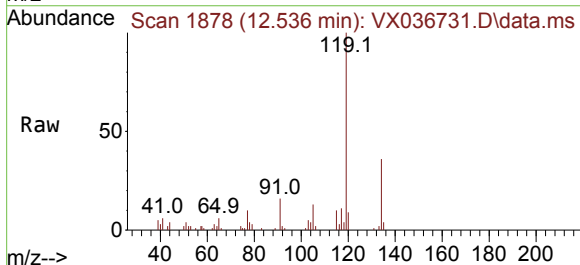
Instrument :
MSVOA_X
ClientSampleId :
1709DL

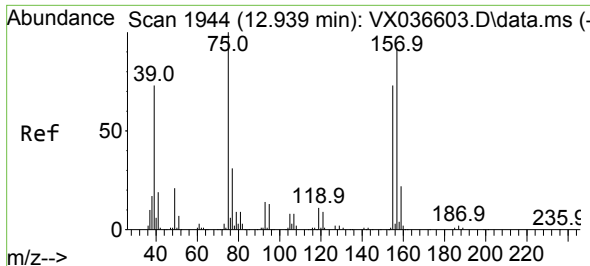
Tgt Ion: 91 Resp: 3883
Ion Ratio Lower Upper
91 100
92 30.9 27.4 82.0
134 108.8 12.6 37.8#



#90
Hexachloroethane
Concen: 0.655 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX036731.D
Acq: 31 Jul 2023 19:35

Tgt Ion: 117 Resp: 802
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.235 ug/l

RT: 12.963 min Scan# 1948

Delta R.T. 0.024 min

Lab File: VX036731.D

Acq: 31 Jul 2023 19:35

Instrument :

MSVOA_X

ClientSampleId :

1709DL

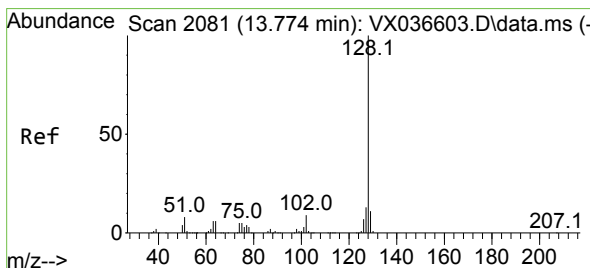
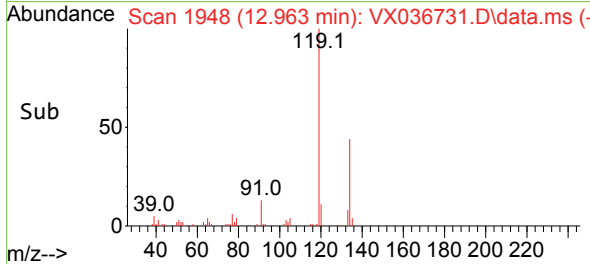
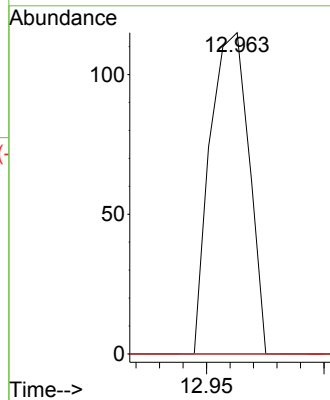
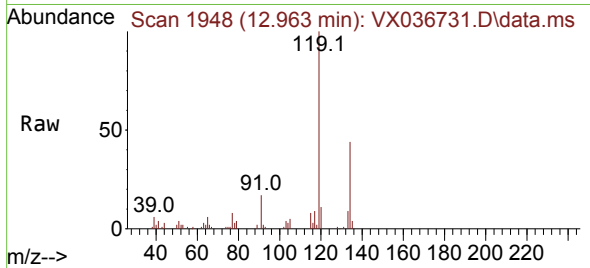
Tgt Ion: 75 Resp: 132

Ion Ratio Lower Upper

75 100

155 0.0 36.1 108.5#

157 0.0 44.9 134.7#



#95

Naphthalene

Concen: 2.962 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX036731.D

Acq: 31 Jul 2023 19:35

Tgt Ion: 128 Resp: 18535

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 12.7 8.8 13.2

