

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111623\
 Data File : VX038846.D
 Acq On : 16 Nov 2023 18:35
 Operator : JC/MD
 Sample : 05421-21RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 16 23:05:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

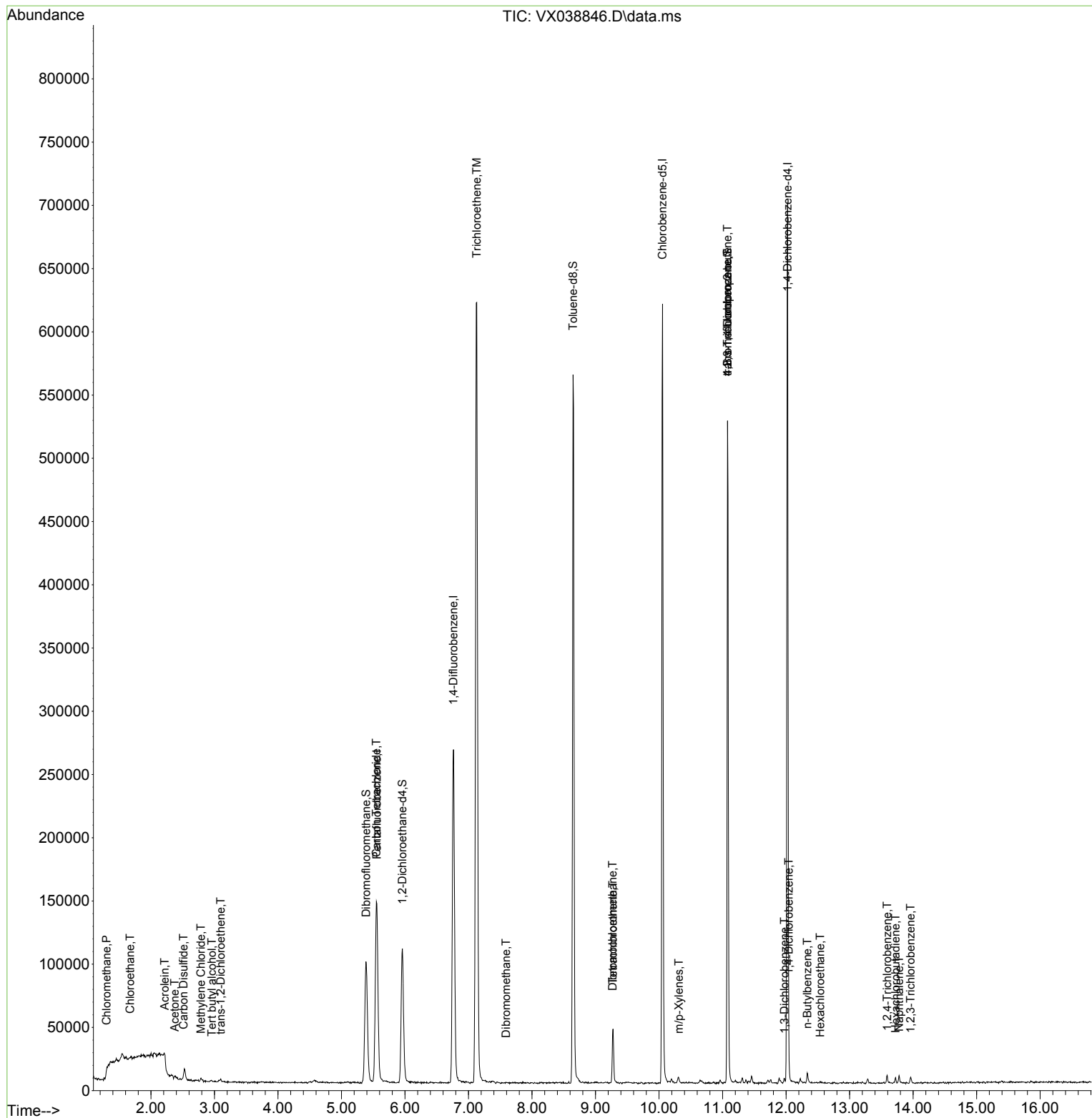
Internal Standards						
1) Pentafluorobenzene	5.555	168	135885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	274891	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	279093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98048	44.779	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.560%
35) Dibromofluoromethane	5.385	113	88184	44.418	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.840%
50) Toluene-d8	8.646	98	347543	45.754	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.500%#
62) 4-Bromofluorobenzene	11.079	95	148736	48.915	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.820%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	481	0.232	ug/l	98
6) Chloroethane	1.672	64	453	0.398	ug/l #	50
11) Tert butyl alcohol	2.958	59	729	1.197	ug/l #	56
13) Acrolein	2.215	56	1364	4.233	ug/l #	14
16) Acetone	2.373	43	3222	2.764	ug/l #	85
17) Carbon Disulfide	2.513	76	3005	0.573	ug/l	99
20) Methylene Chloride	2.788	84	1551	0.738	ug/l #	66
21) trans-1,2-Dichloroethene	3.099	96	935	0.500	ug/l #	67
38) Carbon Tetrachloride	5.549	117	14767	5.615	ug/l #	16
44) Trichloroethene	7.128	130	239275	116.804	ug/l	95
46) Dibromomethane	7.592	93	366	0.242	ug/l #	38
60) Dibromochloromethane	9.268	129	8300	3.746	ug/l #	11
64) Tetrachloroethene	9.274	164	7896	4.552	ug/l	96
68) m/p-Xylenes	10.311	106	1002	0.240	ug/l	74
76) 1,2,3-Trichloropropane	11.079	75	75180	21.360	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	75180	47.378	ug/l #	5
87) 1,3-Dichlorobenzene	11.975	146	1062	0.220	ug/l	86
88) 1,4-Dichlorobenzene	12.042	146	1454	0.294	ug/l #	1
89) n-Butylbenzene	12.335	91	2801	0.290	ug/l	92
90) Hexachloroethane	12.536	117	430	0.225	ug/l #	57
93) 1,2,4-Trichlorobenzene	13.591	180	1426	0.464	ug/l	98
94) Hexachlorobutadiene	13.725	225	464	0.426	ug/l	87
95) Naphthalene	13.780	128	3855	0.337	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.963	180	1083	0.372	ug/l	96

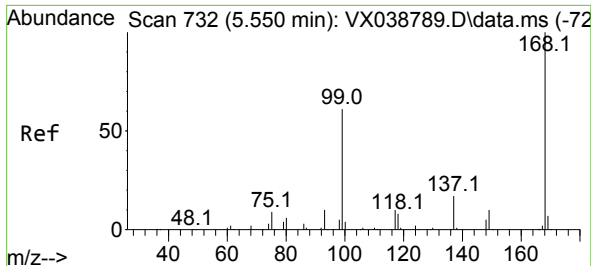
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Nov 16 23:05:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration

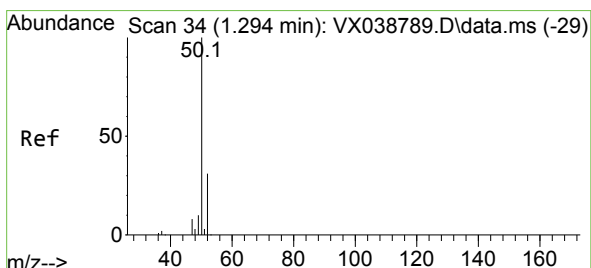
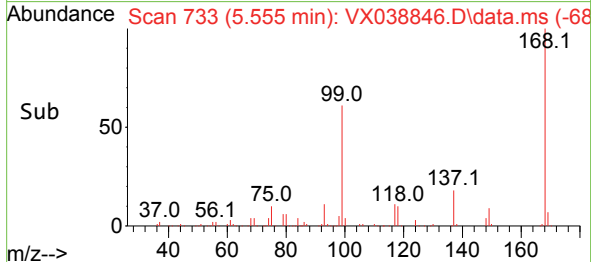
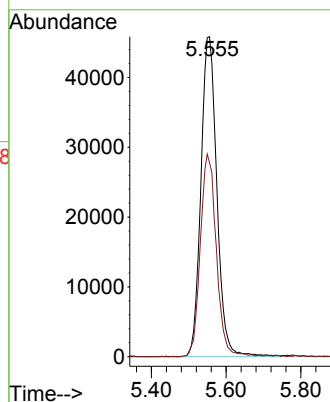
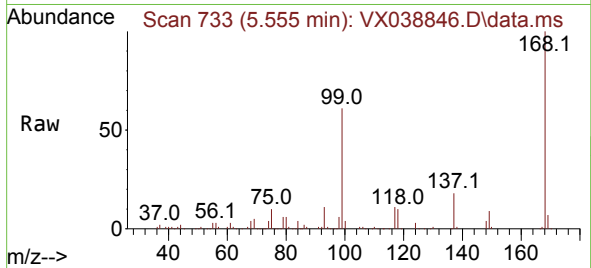




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

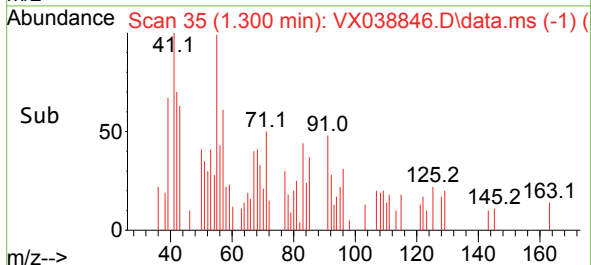
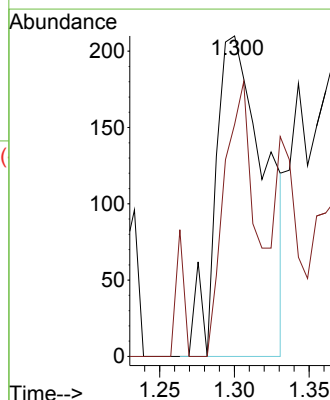
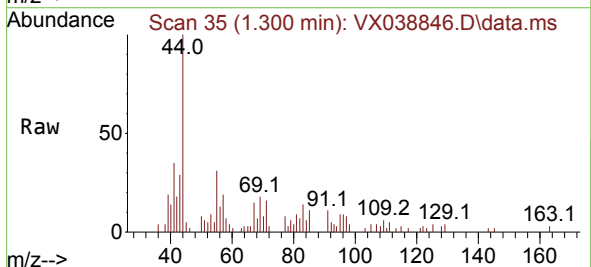
Instrument :
MSVOA_X
ClientSampleId :

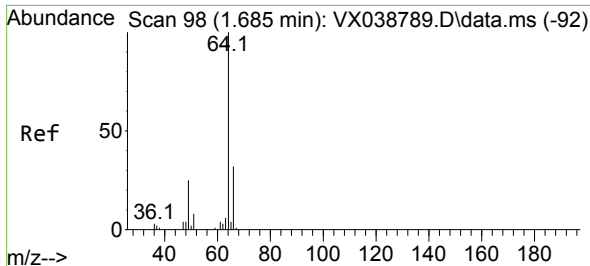
Tgt Ion:168 Resp: 135885
Ion Ratio Lower Upper
168 100
99 60.6 56.6 85.0



#3
Chloromethane
Concen: 0.232 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

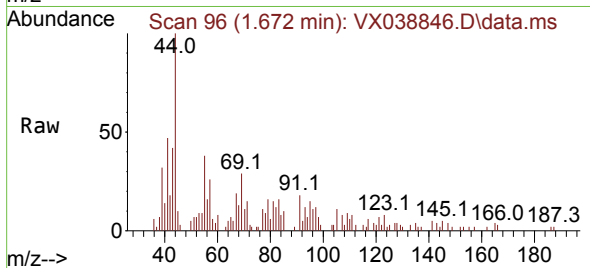
Tgt Ion: 50 Resp: 481
Ion Ratio Lower Upper
50 100
52 32.9 25.5 38.3



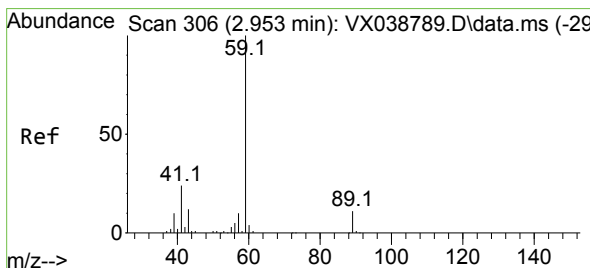
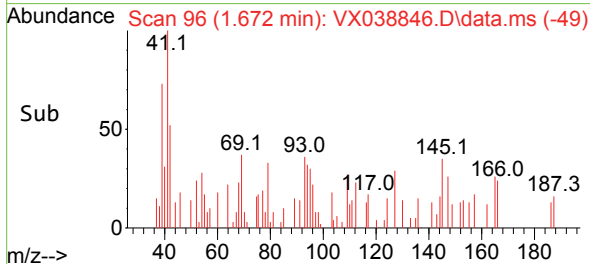
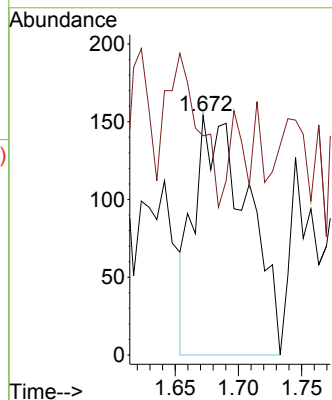


#6
Chloroethane
Concen: 0.398 ug/l
RT: 1.672 min Scan# 90
Delta R.T. -0.013 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

Instrument :
MSVOA_X
ClientSampleId :

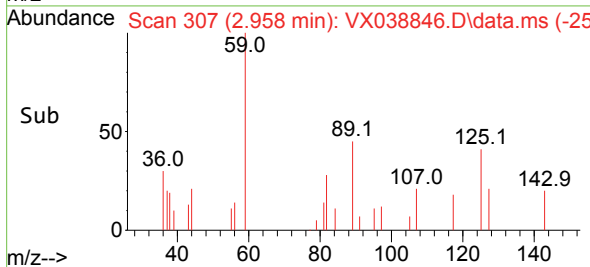
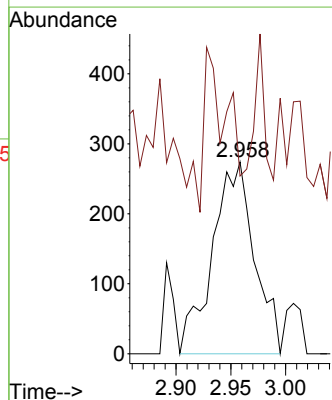
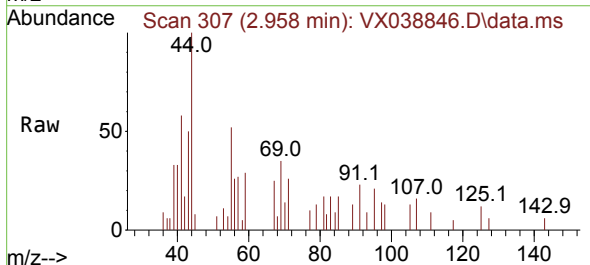


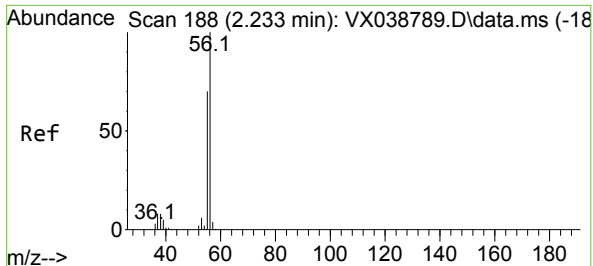
Tgt Ion: 64 Resp: 453
Ion Ratio Lower Upper
64 100
66 3.9 25.1 37.7#



#11
Tert butyl alcohol
Concen: 1.197 ug/l
RT: 2.958 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

Tgt Ion: 59 Resp: 729
Ion Ratio Lower Upper
59 100
57 22.9 6.0 9.0#





#13

Acrolein

Concen: 4.233 ug/l

RT: 2.215 min Scan# 185

Delta R.T. -0.019 min

Lab File: VX038846.D

Acq: 16 Nov 2023 18:35

Instrument :

MSVOA_X

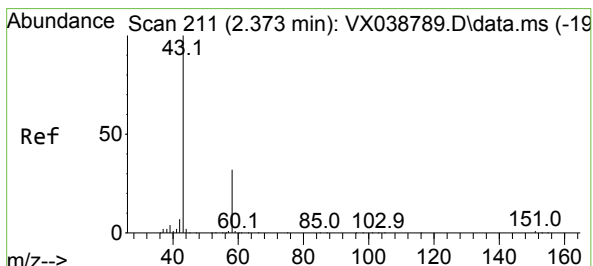
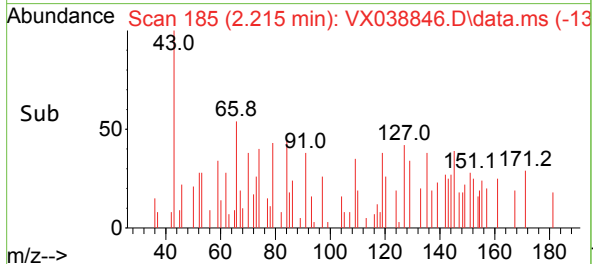
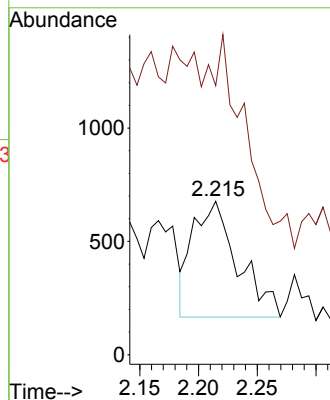
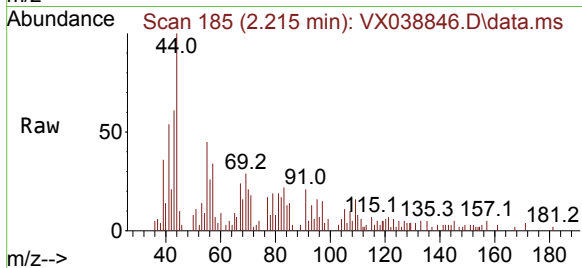
ClientSampleId :

Tgt Ion: 56 Resp: 1364

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: 2.764 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX038846.D

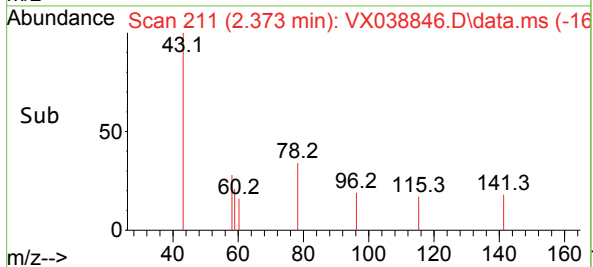
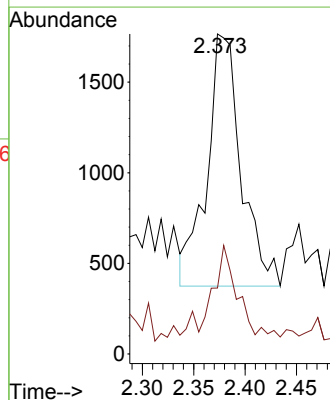
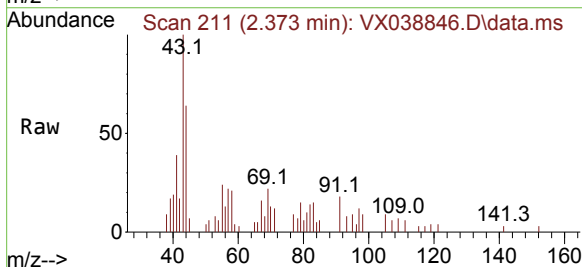
Acq: 16 Nov 2023 18:35

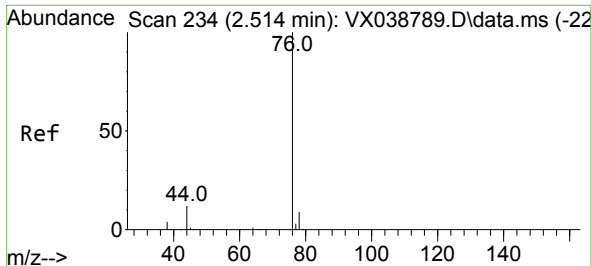
Tgt Ion: 43 Resp: 3222

Ion Ratio Lower Upper

43 100

58 19.4 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.573 ug/l

RT: 2.513 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX038846.D

Acq: 16 Nov 2023 18:35

Instrument :

MSVOA_X

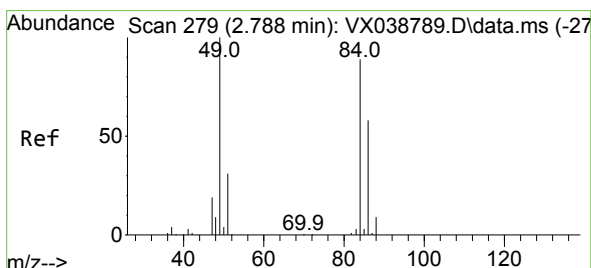
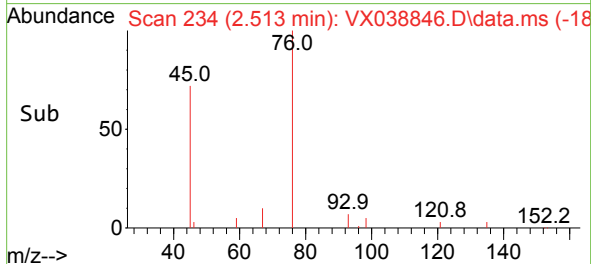
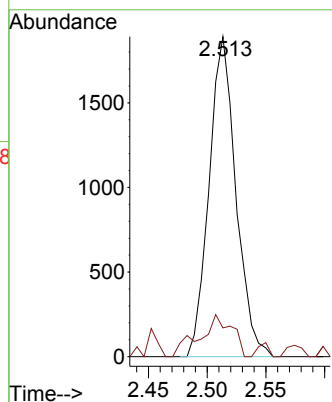
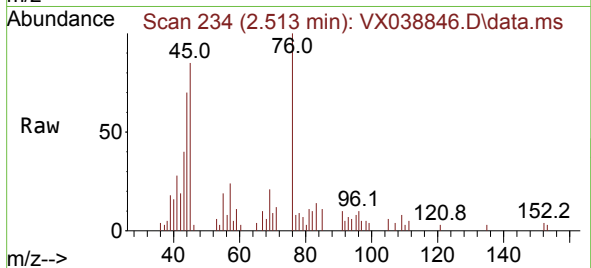
ClientSampleId :

Tgt Ion: 76 Resp: 3005

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



#20

Methylene Chloride

Concen: 0.738 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX038846.D

Acq: 16 Nov 2023 18:35

Tgt Ion: 84 Resp: 1551

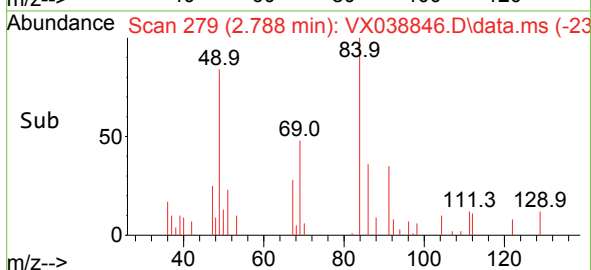
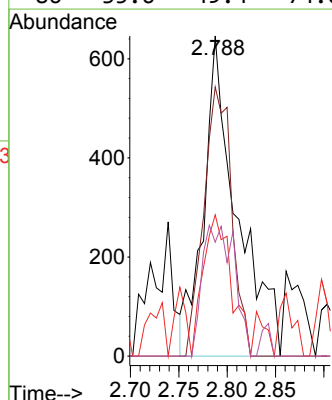
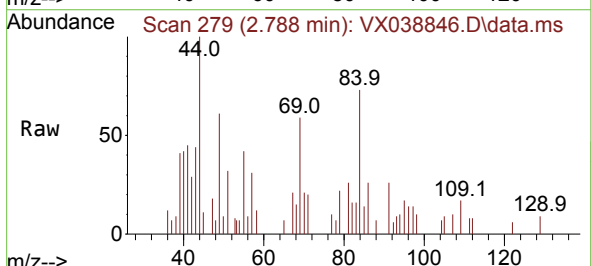
Ion Ratio Lower Upper

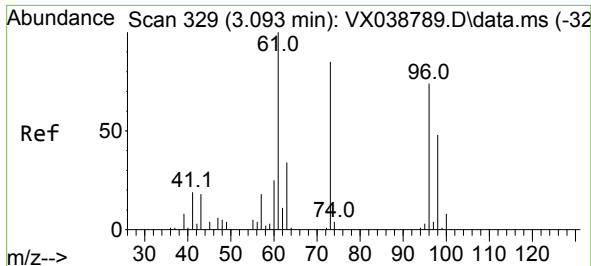
84 100

49 84.1 103.6 155.4#

51 29.1 33.8 50.6#

86 35.6 49.4 74.0#

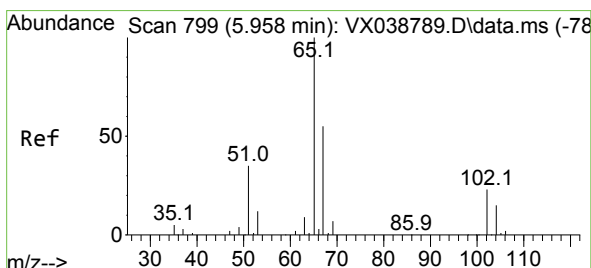
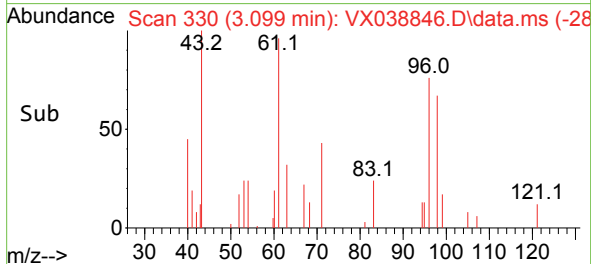
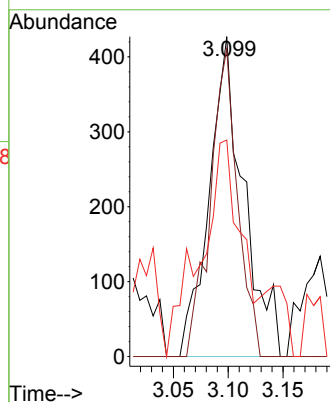
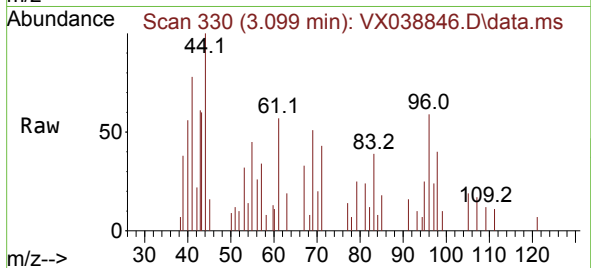




#21
trans-1,2-Dichloroethene
Concen: 0.500 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

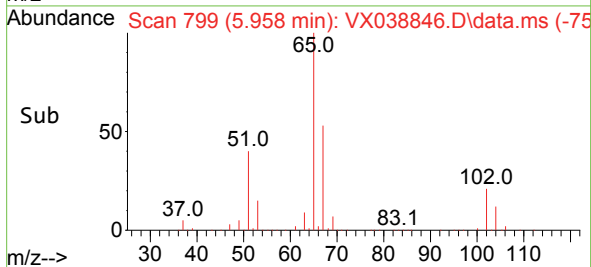
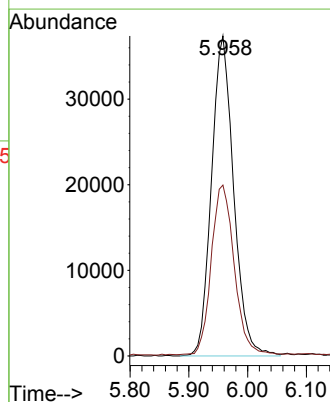
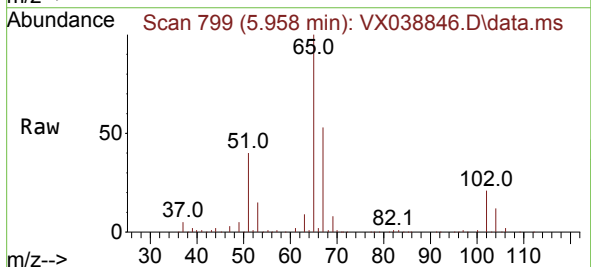
Instrument :
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ClientSampleId :

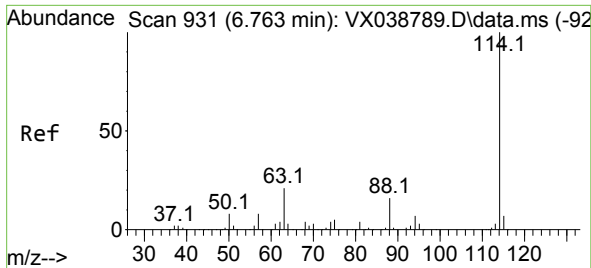
Tgt Ion: 96 Resp: 935
Ion Ratio Lower Upper
96 100
61 96.3 119.2 178.8#
98 51.8 48.7 73.1



#33
1,2-Dichloroethane-d4
Concen: 44.779 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

Tgt Ion: 65 Resp: 98048
Ion Ratio Lower Upper
65 100
67 54.6 0.0 100.2

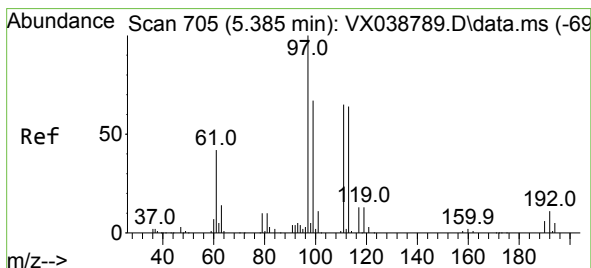
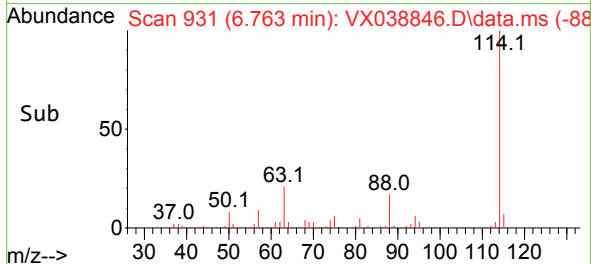
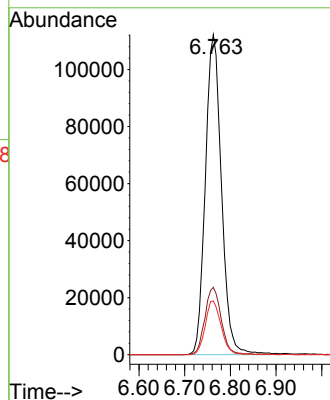
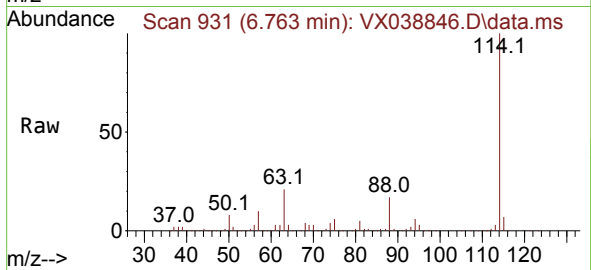




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

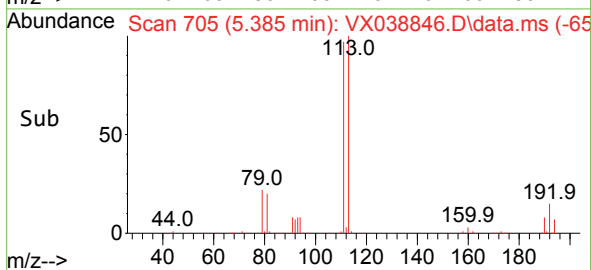
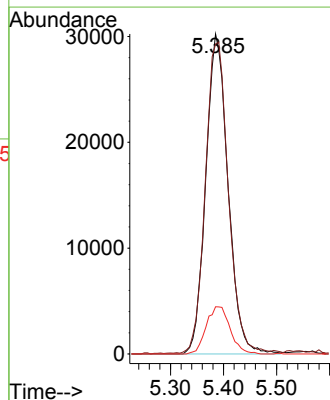
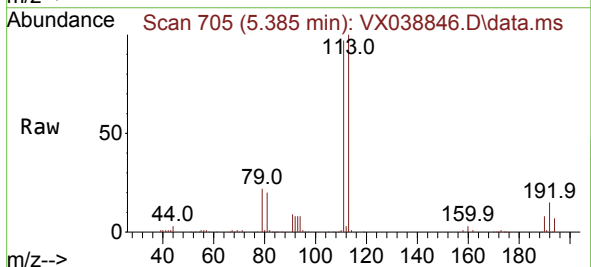
Instrument :
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ClientSampleId :

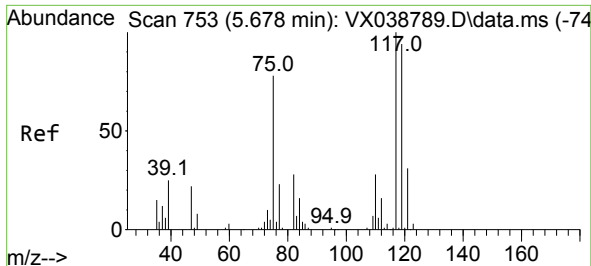
Tgt Ion:114 Resp: 274891
Ion Ratio Lower Upper
114 100
63 21.0 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.418 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

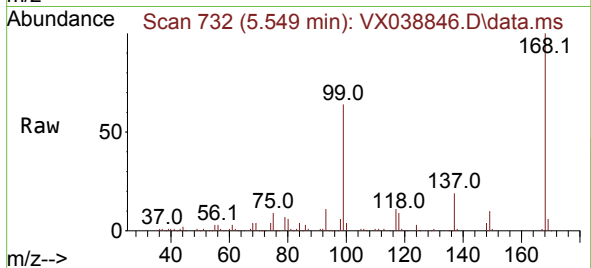
Tgt Ion:113 Resp: 88184
Ion Ratio Lower Upper
113 100
111 100.3 82.9 124.3
192 15.9 13.3 19.9



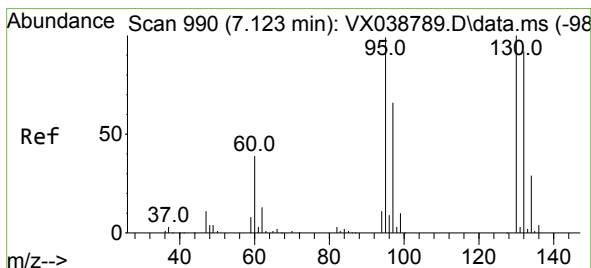
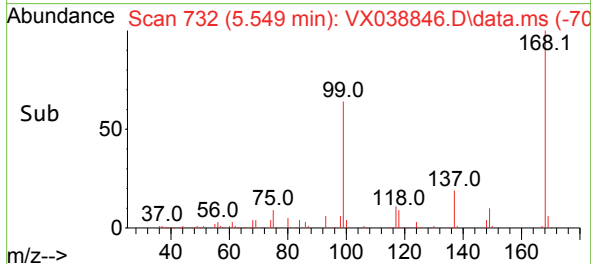
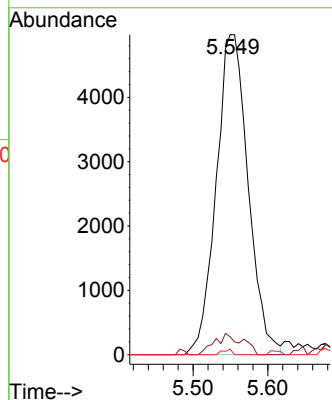


#38
Carbon Tetrachloride
Concen: 5.615 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

Instrument :
MSVOA_X
ClientSampleId :

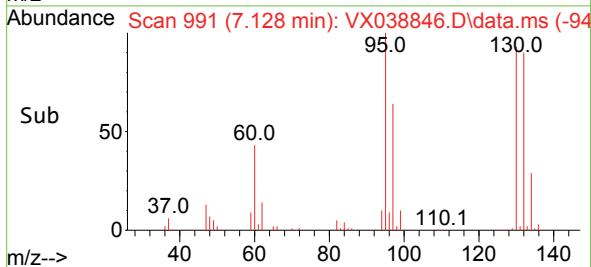
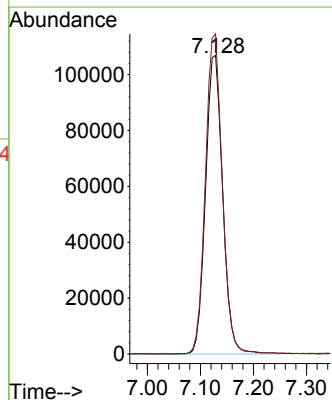
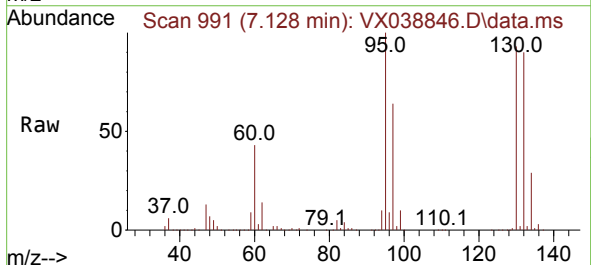


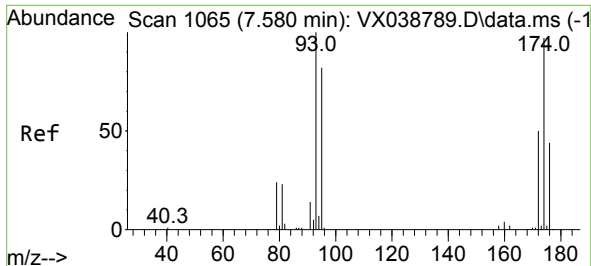
Tgt Ion:117 Resp: 14767
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 1.7 24.4 36.6#



#44
Trichloroethene
Concen: 116.804 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

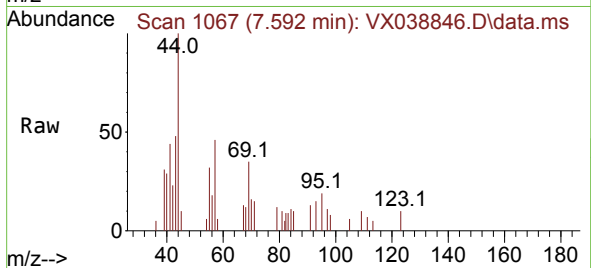
Tgt Ion:130 Resp: 239275
Ion Ratio Lower Upper
130 100
95 107.0 0.0 204.4



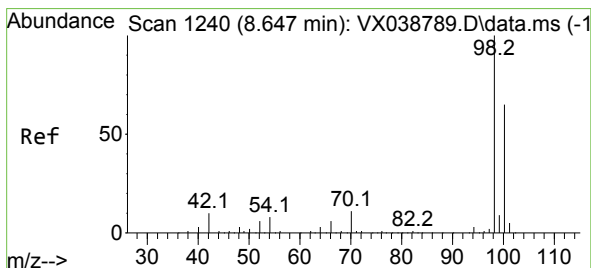
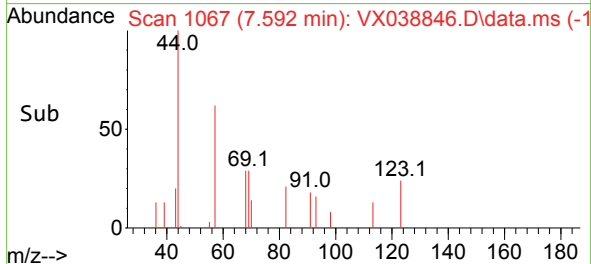
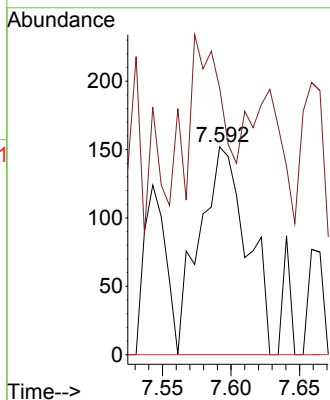


#46
Dibromomethane
Concen: 0.242 ug/l
RT: 7.592 min Scan# 1065
Delta R.T. 0.012 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

Instrument :
MSVOA_X
ClientSampleId :

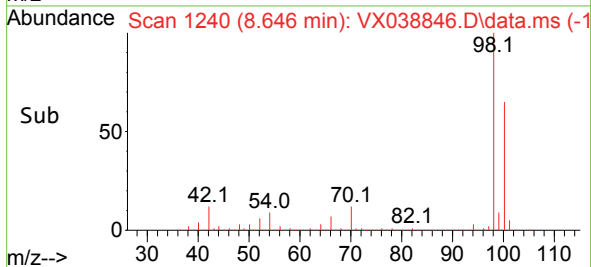
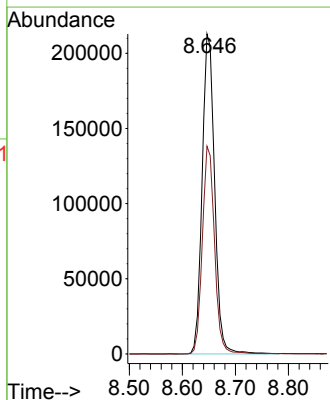
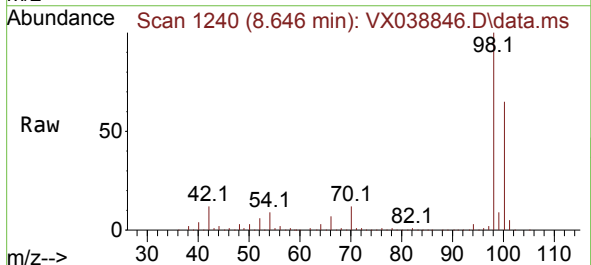


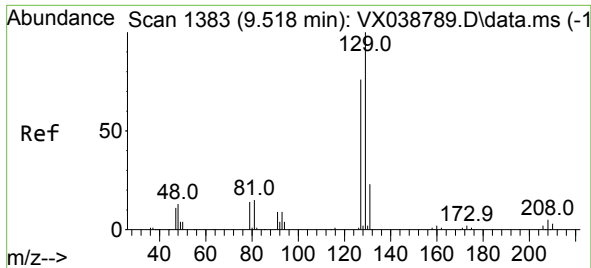
Tgt Ion: 93 Resp: 366
Ion Ratio Lower Upper
93 100
95 58.2 66.6 100.0#
174 0.0 69.4 104.0#



#50
Toluene-d8
Concen: 45.754 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

Tgt Ion: 98 Resp: 347543
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7

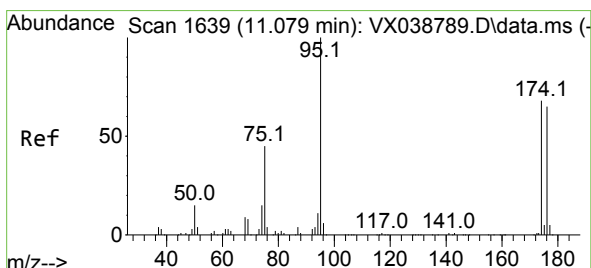
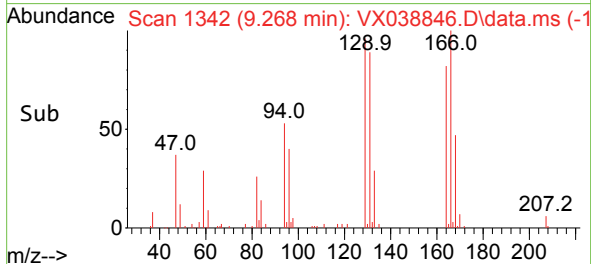
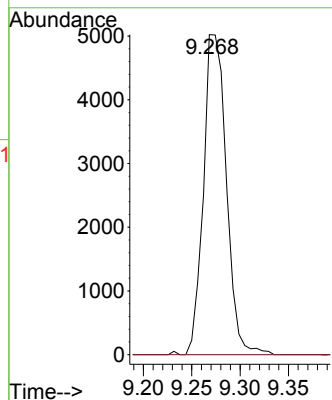
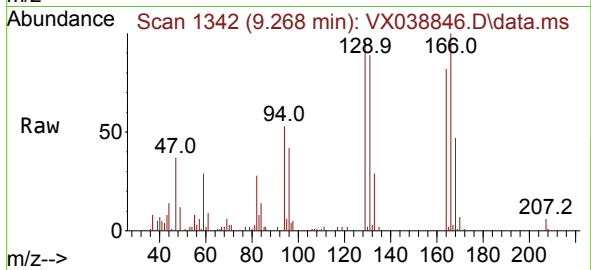




#60
Dibromochloromethane
Concen: 3.746 ug/l
RT: 9.268 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

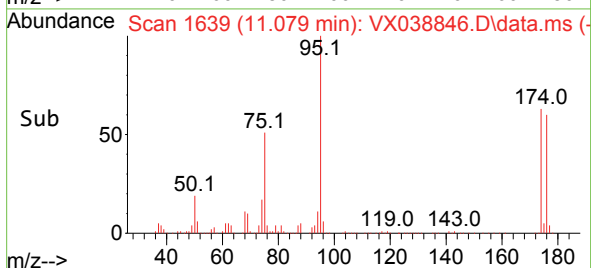
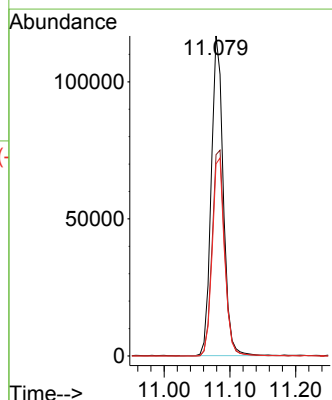
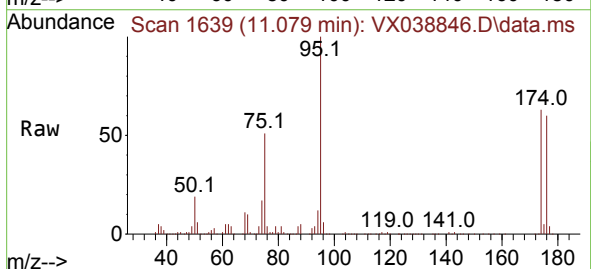
Instrument :
MSVOA_X
ClientSampleId :

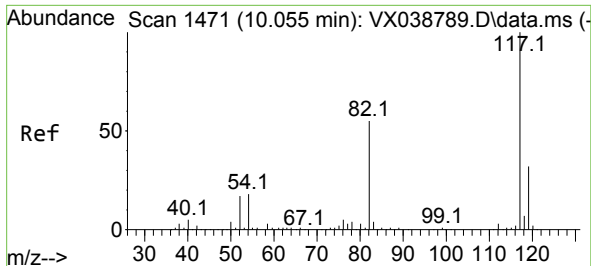
Tgt Ion:129 Resp: 8300
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.915 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

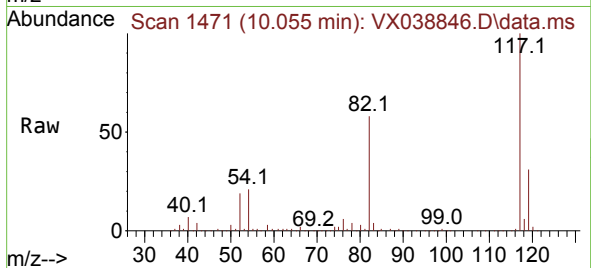
Tgt Ion: 95 Resp: 148736
Ion Ratio Lower Upper
95 100
174 67.2 0.0 135.6
176 63.9 0.0 131.0



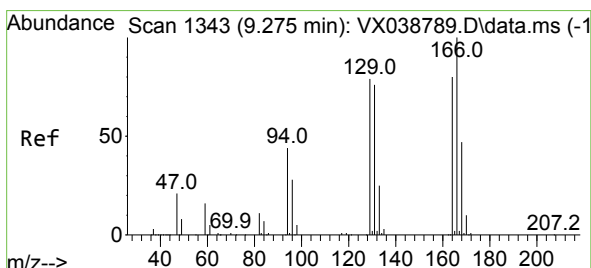
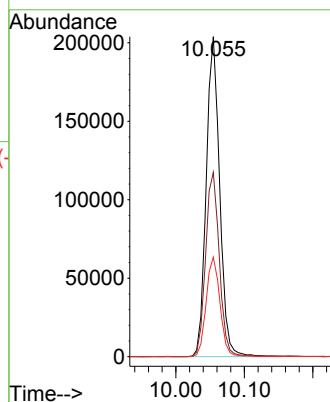
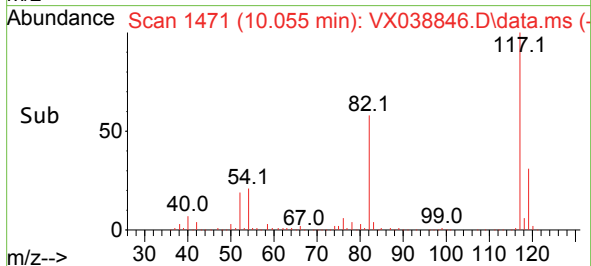


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

Instrument :
MSVOA_X
ClientSampleId :

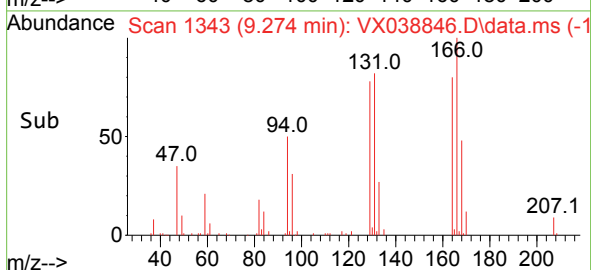
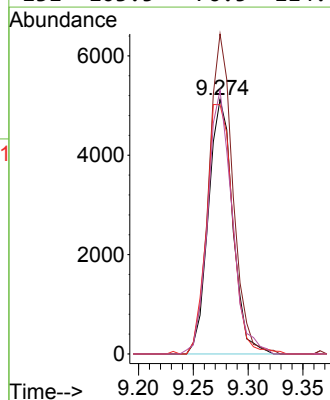
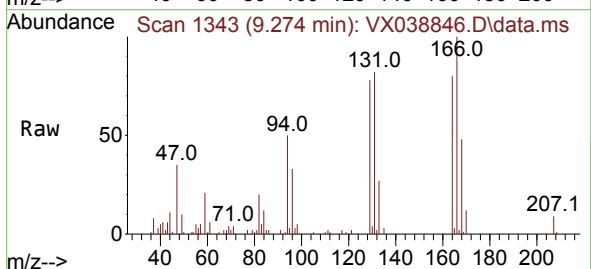


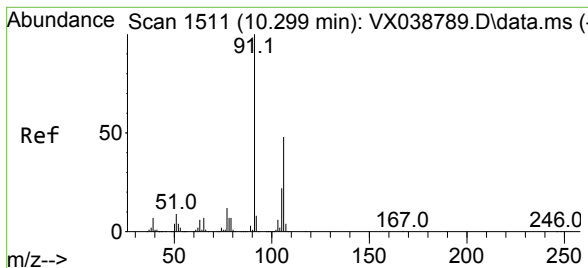
Tgt Ion:117 Resp: 279093
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.4
119 31.1 25.5 38.3



#64
Tetrachloroethene
Concen: 4.552 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

Tgt Ion:164 Resp: 7896
Ion Ratio Lower Upper
164 100
166 125.7 102.7 154.1
129 98.0 80.4 120.6
131 103.5 76.5 114.7

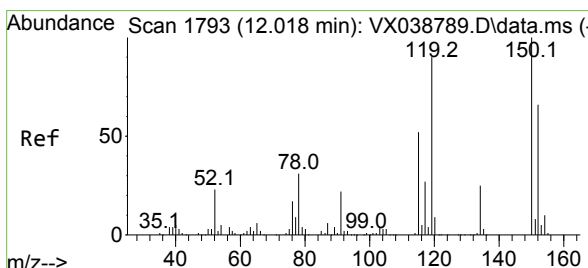
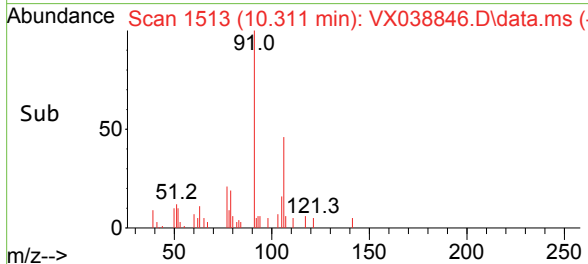
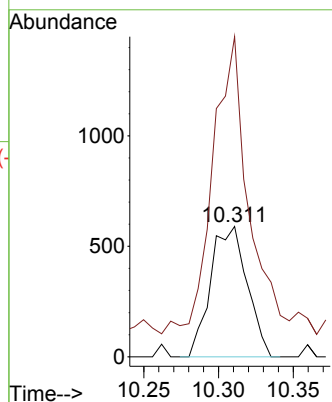
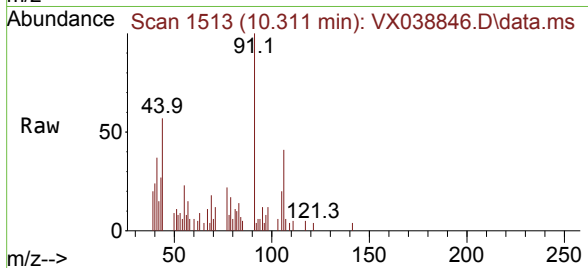




#68
m/p-Xylenes
Concen: 0.240 ug/l
RT: 10.311 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

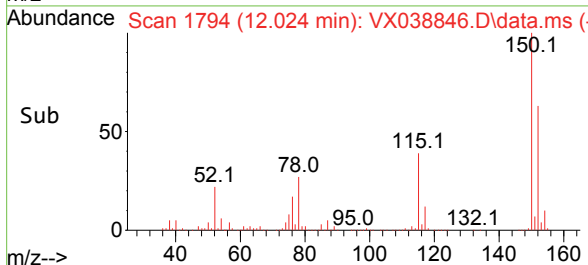
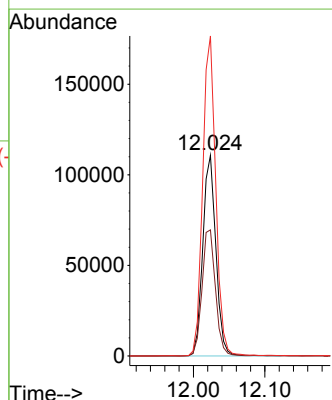
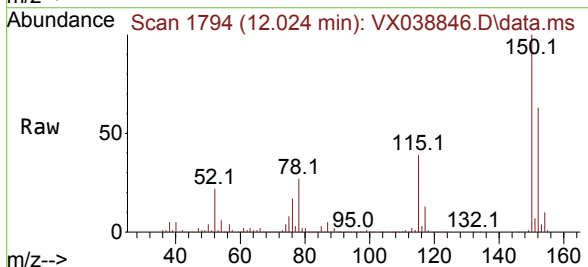
Instrument :
MSVOA_X
ClientSampleId :

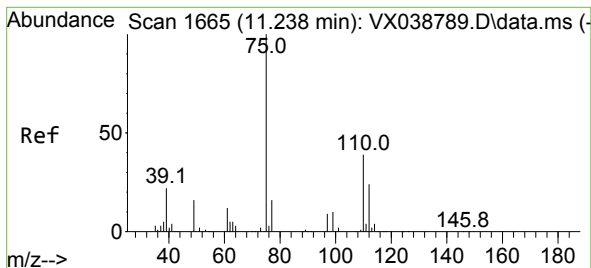
Tgt Ion:106 Resp: 1002
Ion Ratio Lower Upper
106 100
91 247.2 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038846.D
Acq: 16 Nov 2023 18:35

Tgt Ion:152 Resp: 141071
Ion Ratio Lower Upper
152 100
115 64.8 43.3 129.9
150 158.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.360 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038846.D

Acq: 16 Nov 2023 18:35

Instrument :

MSVOA_X

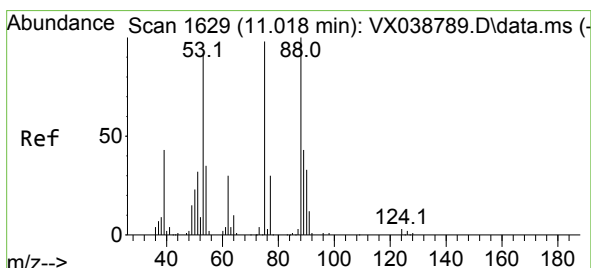
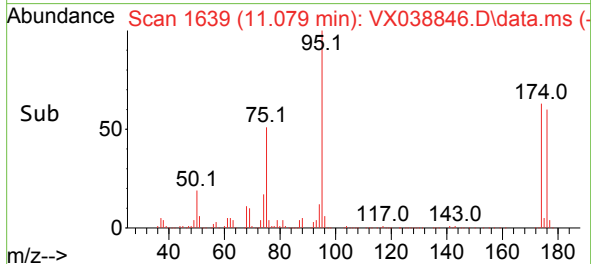
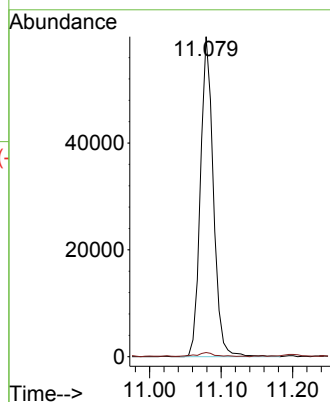
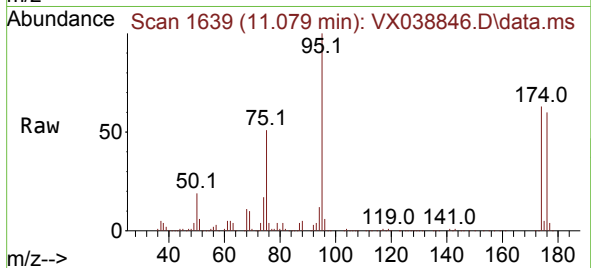
ClientSampleId :

Tgt Ion: 75 Resp: 75180

Ion Ratio Lower Upper

75 100

77 2.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 47.378 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038846.D

Acq: 16 Nov 2023 18:35

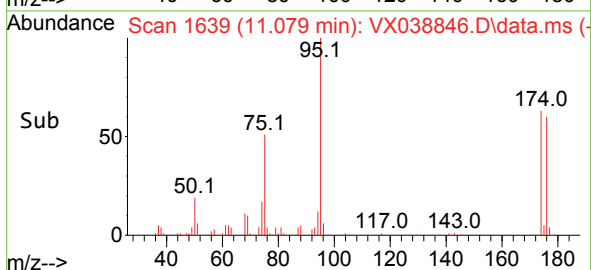
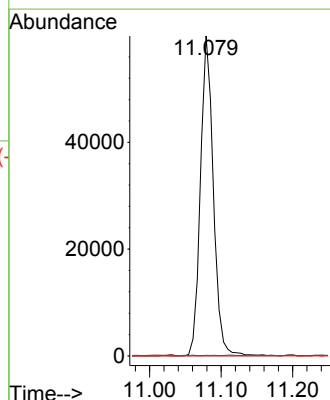
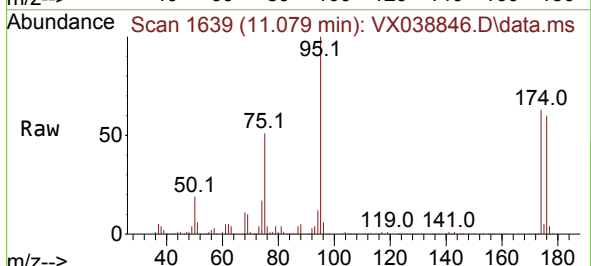
Tgt Ion: 75 Resp: 75180

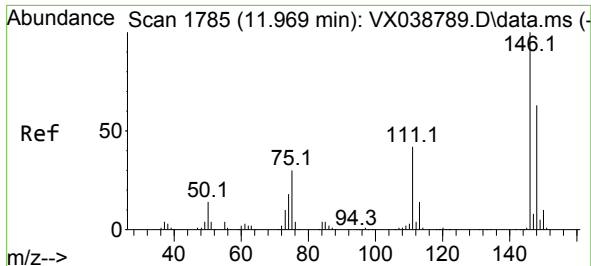
Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.220 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX038846.D

Acq: 16 Nov 2023 18:35

Instrument :

MSVOA_X

ClientSampleId :

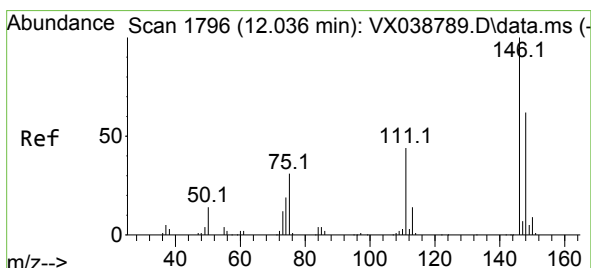
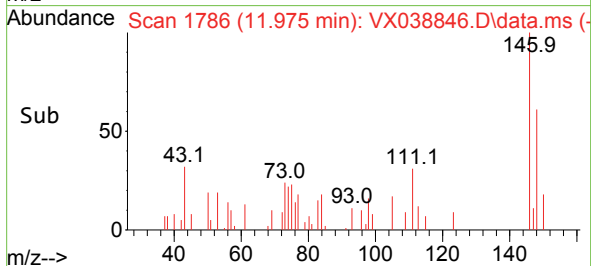
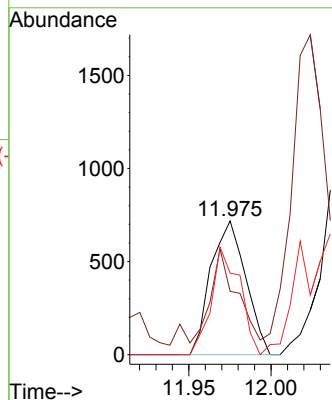
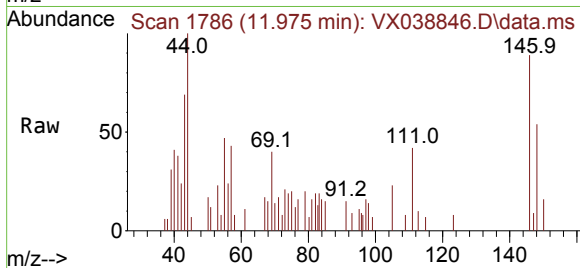
Tgt Ion:146 Resp: 1062

Ion Ratio Lower Upper

146 100

111 63.5 22.1 66.1

148 65.2 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.294 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX038846.D

Acq: 16 Nov 2023 18:35

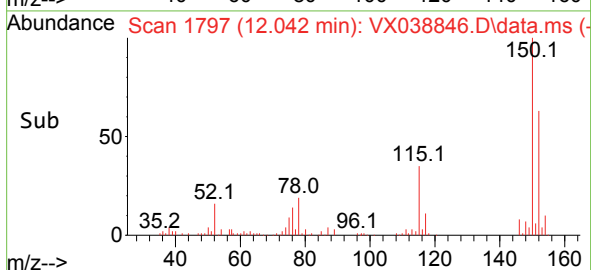
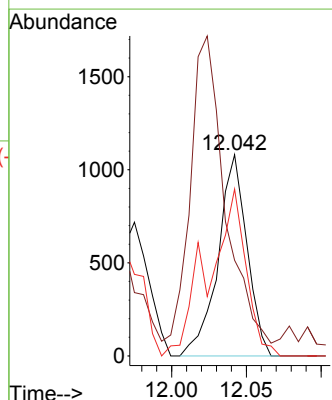
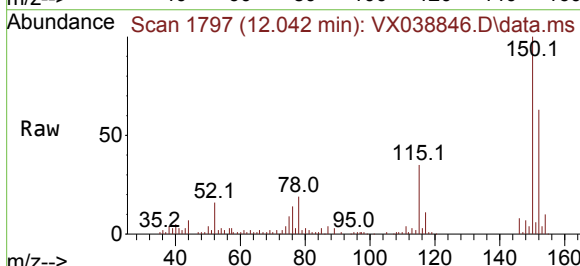
Tgt Ion:146 Resp: 1454

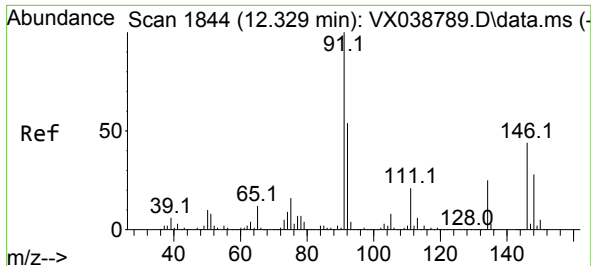
Ion Ratio Lower Upper

146 100

111 199.4 21.3 63.7#

148 107.8 31.8 95.4#





#89

n-Butylbenzene

Concen: 0.290 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

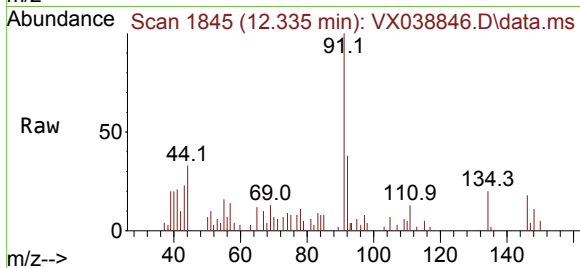
Lab File: VX038846.D

Acq: 16 Nov 2023 18:35

Instrument :

MSVOA_X

ClientSampleId :



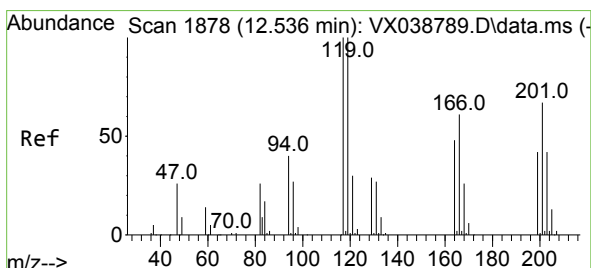
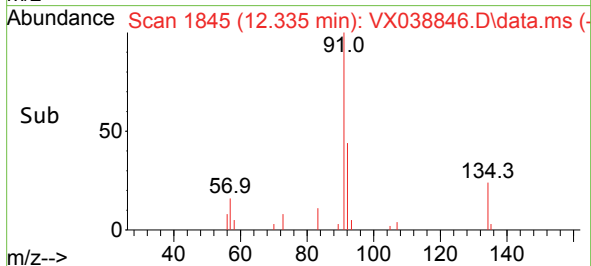
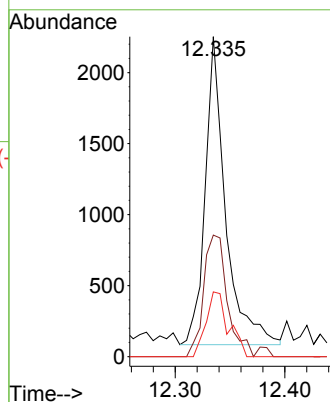
Tgt Ion: 91 Resp: 2801

Ion Ratio Lower Upper

91 100

92 47.5 27.4 82.0

134 23.1 12.6 37.8



#90

Hexachloroethane

Concen: 0.225 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX038846.D

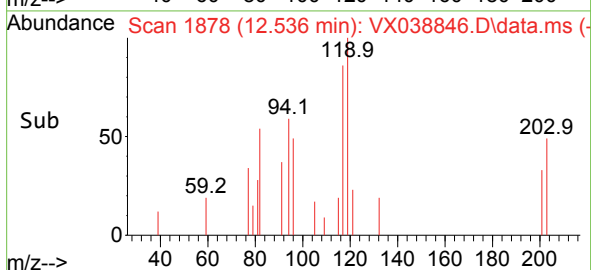
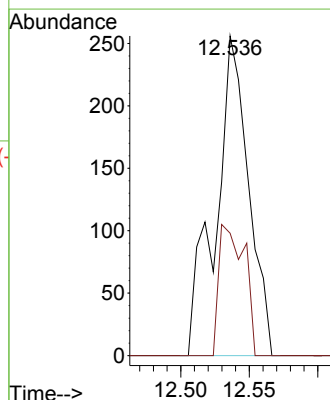
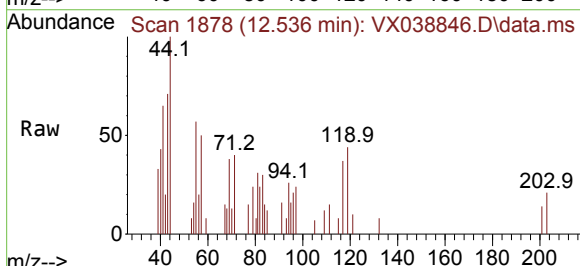
Acq: 16 Nov 2023 18:35

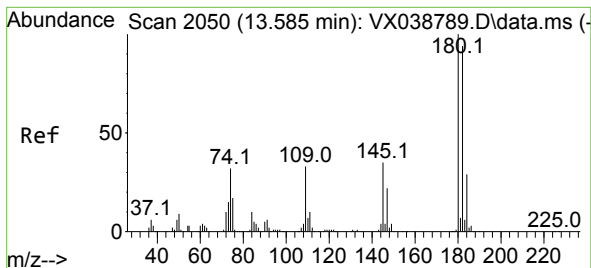
Tgt Ion: 117 Resp: 430

Ion Ratio Lower Upper

117 100

201 31.4 32.9 98.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.464 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX038846.D

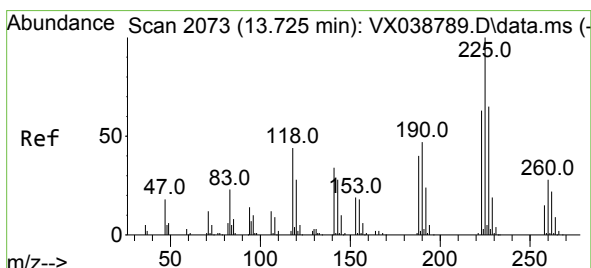
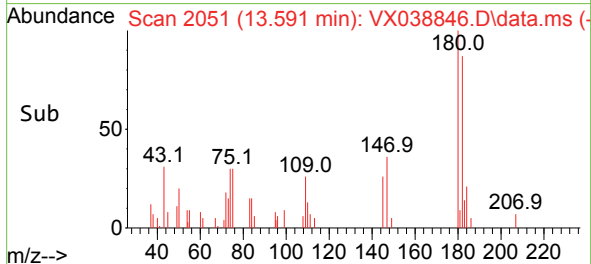
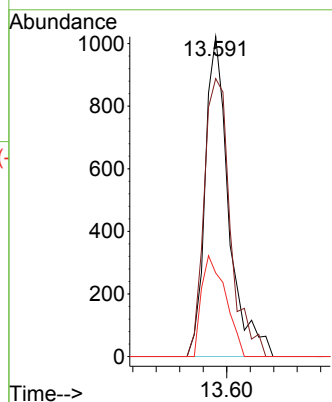
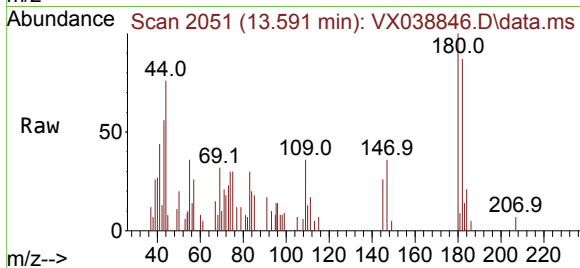
Acq: 16 Nov 2023 18:35

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	1426
Ion Ratio	Lower	Upper
180	100	
182	96.8	48.3 144.8
145	32.3	18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.426 ug/l

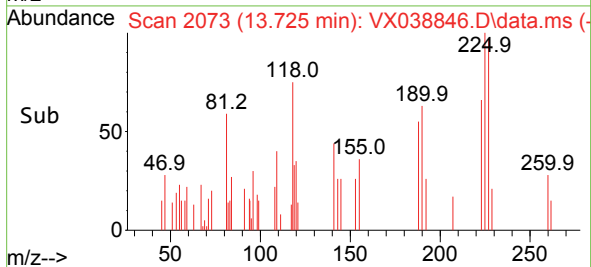
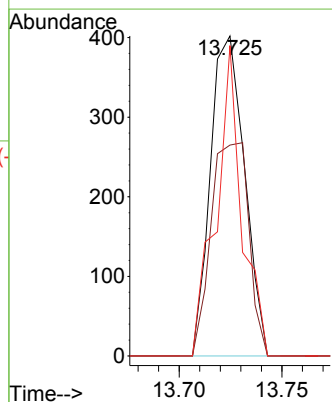
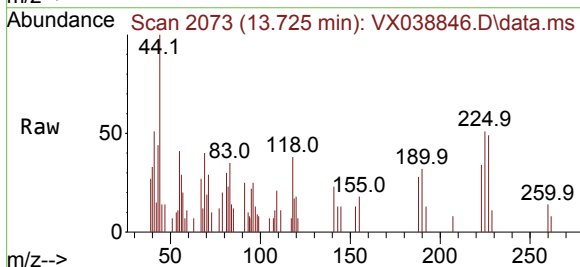
RT: 13.725 min Scan# 2073

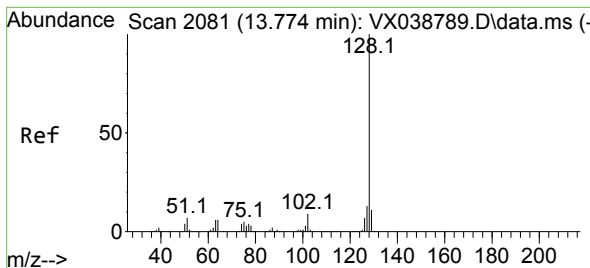
Delta R.T. -0.000 min

Lab File: VX038846.D

Acq: 16 Nov 2023 18:35

Tgt Ion:225	Resp:	464
Ion Ratio	Lower	Upper
225	100	
223	73.7	31.1 93.2
227	73.1	32.5 97.5





#95

Naphthalene

Concen: 0.337 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX038846.D

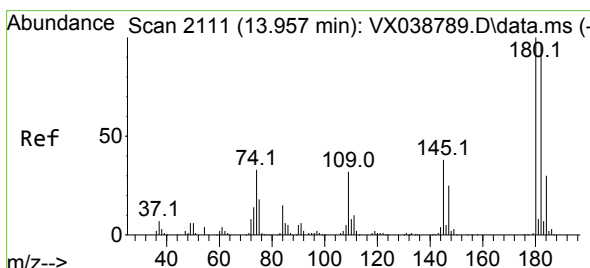
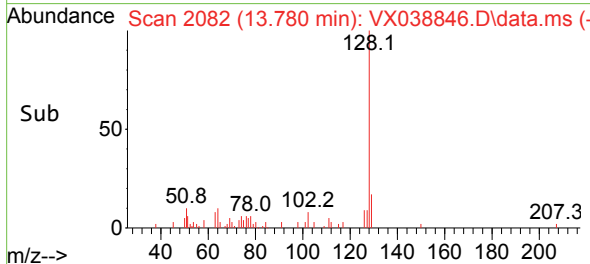
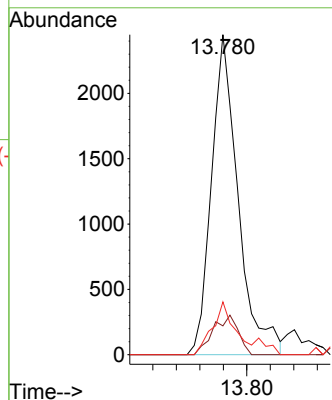
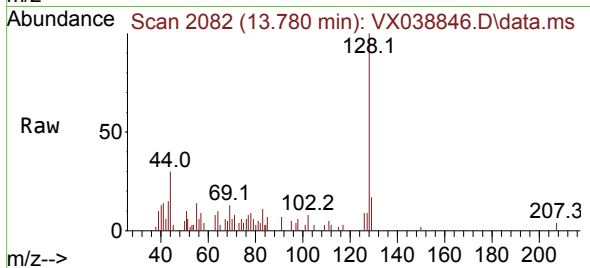
Acq: 16 Nov 2023 18:35

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:128	Resp:	3855
Ion Ratio	Lower	Upper
128	100	
127	11.7	10.3 15.5
129	14.0	8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.372 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX038846.D

Acq: 16 Nov 2023 18:35

Tgt Ion:180	Resp:	1083
Ion Ratio	Lower	Upper
180	100	
182	92.8	46.9 140.6
145	43.8	17.8 53.5

