

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052022\
 Data File : VX028861.D
 Acq On : 20 May 2022 19:16
 Operator : JC/MD
 Sample : N2958-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT162S1-20220516

Quant Time: May 20 23:33:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

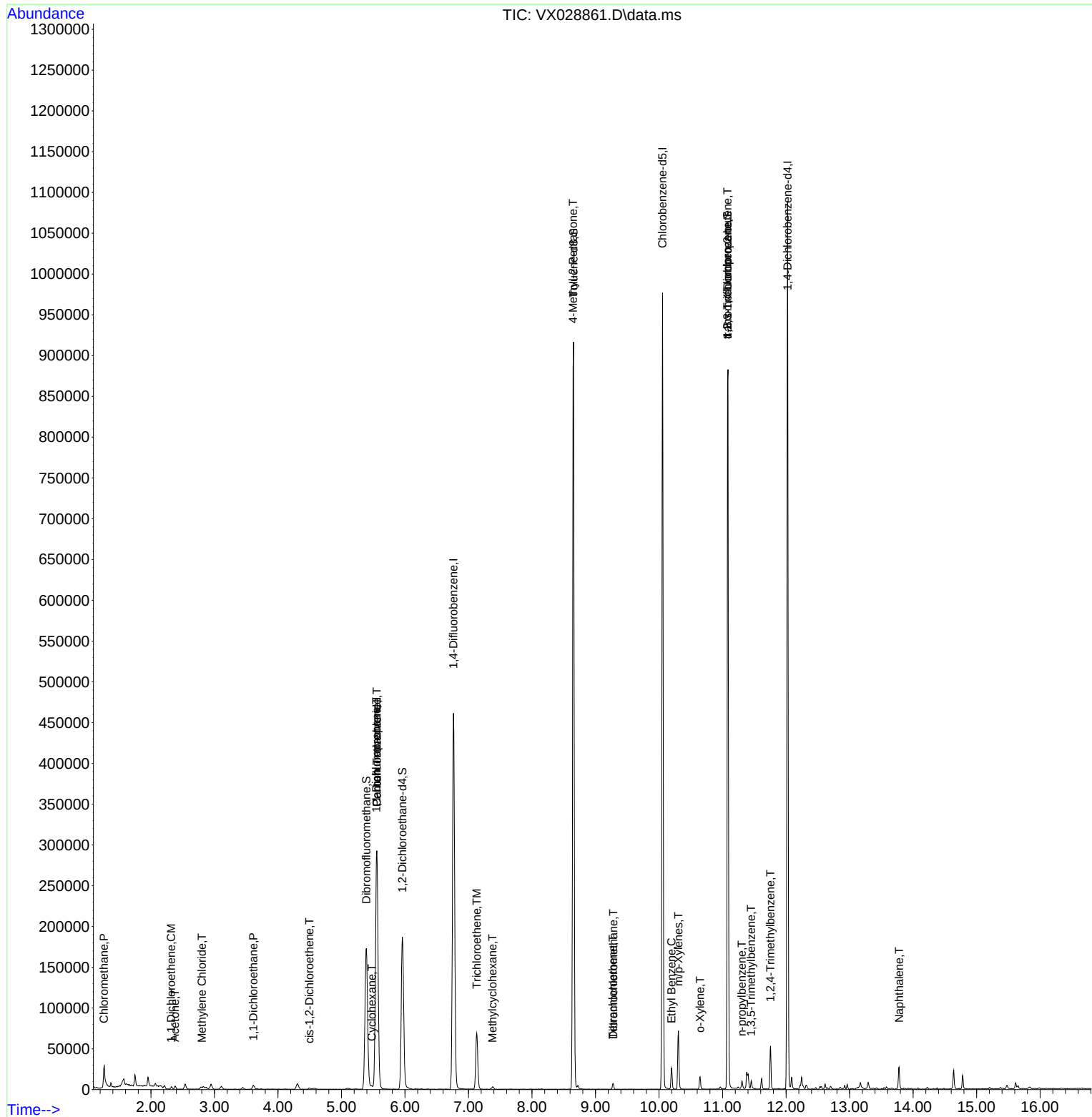
Internal Standards						
1) Pentafluorobenzene	5.556	168	272042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	472714	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	413214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	217907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	186037	49.888	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.780%		
35) Dibromofluoromethane	5.391	113	147663	47.677	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.360%		
50) Toluene-d8	8.653	98	555840	47.602	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.200%		
62) 4-Bromofluorobenzene	11.079	95	248793	57.045	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	114.080%		
Target Compounds					Qvalue	
3) Chloromethane	1.258	50	695	0.207	ug/l #	42
5) Bromomethane	1.611	94	631	Below Cal	#	80
6) Chloroethane	1.550	64	4322	Below Cal	#	56
11) Tert butyl alcohol	2.940	59	3618	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	922	0.327	ug/l	91
16) Acetone	2.380	43	3819	2.386	ug/l	92
20) Methylene Chloride	2.800	84	794	0.236	ug/l #	86
24) 1,1-Dichloroethane	3.611	63	5534	0.986	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	905	0.244	ug/l	80
31) Cyclohexane	5.477	56	2427	0.469	ug/l	98
36) 1,1-Dichloropropene	5.550	75	21770	4.680	ug/l #	50
38) Carbon Tetrachloride	5.556	117	28914	6.176	ug/l #	16
39) Methylcyclohexane	7.379	83	1492	0.280	ug/l #	85
44) Trichloroethene	7.129	130	26902	7.419	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	2438	0.487	ug/l #	1
60) Dibromochloromethane	9.281	129	1337	0.391	ug/l #	9
64) Tetrachloroethene	9.275	164	1334	0.428	ug/l #	75
67) Ethyl Benzene	10.195	91	15751	1.002	ug/l	98
68) m/p-Xylenes	10.305	106	16936	2.769	ug/l	96
69) o-Xylene	10.646	106	3571	0.593	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	126783	24.844	ug/l #	38
78) n-propylbenzene	11.305	91	6104	0.319	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	4074	0.296	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.079	75	126783	72.249	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	23871	1.729	ug/l	100
95) Naphthalene	13.780	128	19302	1.247	ug/l	99

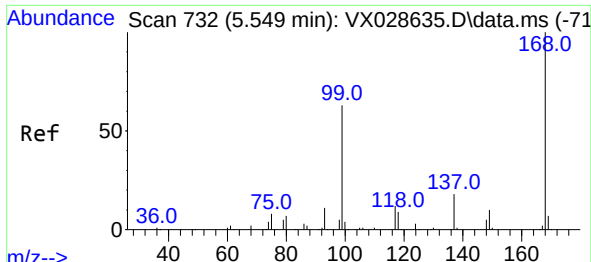
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 12 14:58:53 2022
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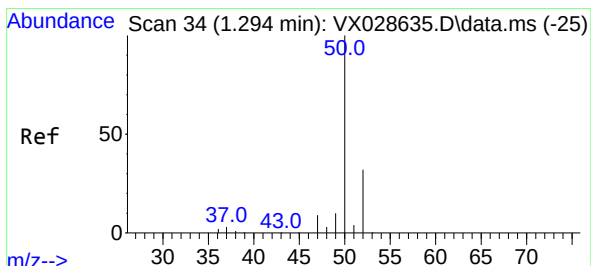
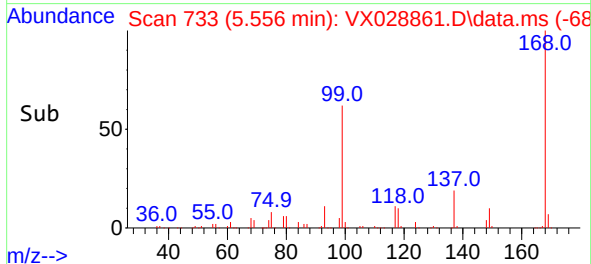
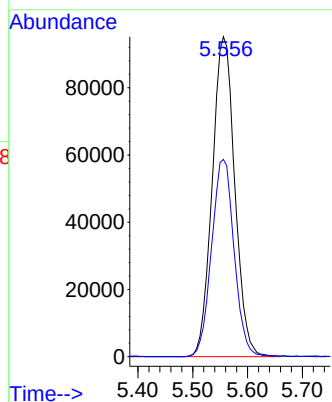
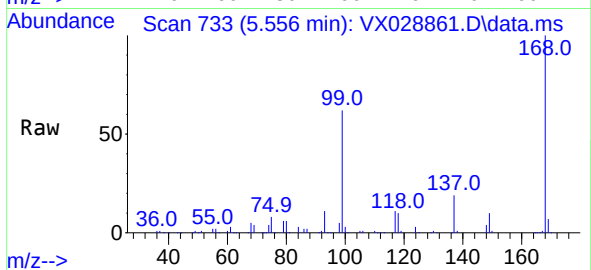




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

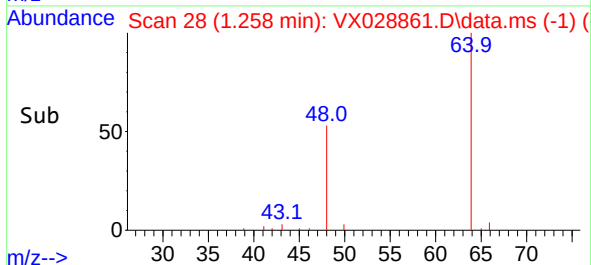
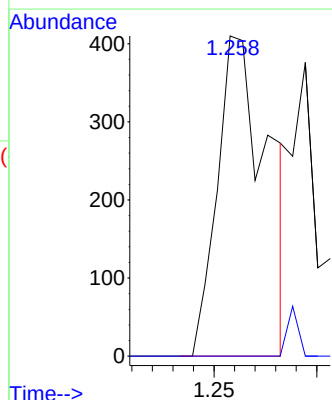
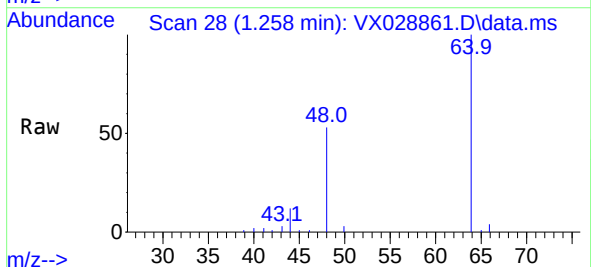
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20220516

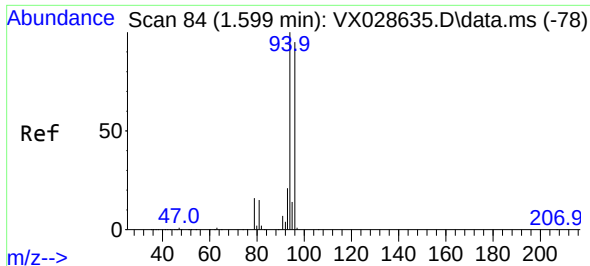
Tgt Ion:168 Resp: 272042
Ion Ratio Lower Upper
168 100
99 61.6 41.7 62.5



#3
Chloromethane
Concen: 0.207 ug/l
RT: 1.258 min Scan# 28
Delta R.T. -0.036 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

Tgt Ion: 50 Resp: 695
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

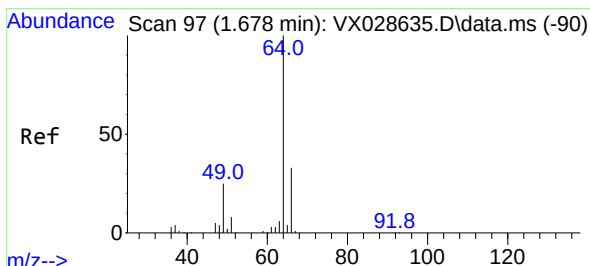
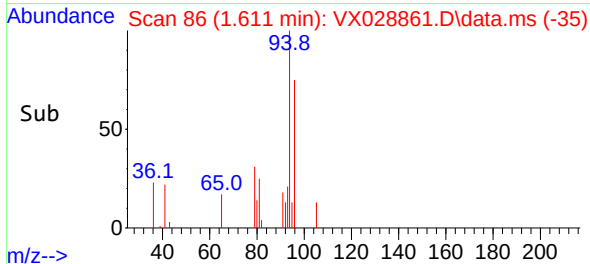
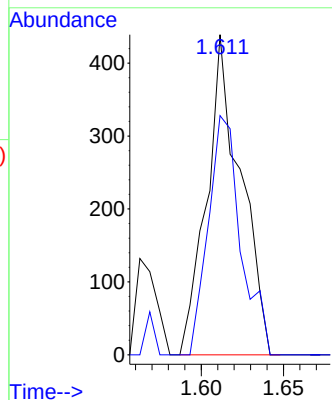
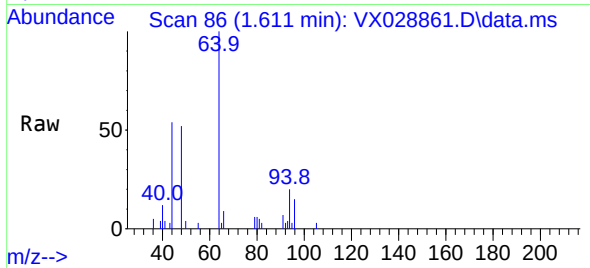




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

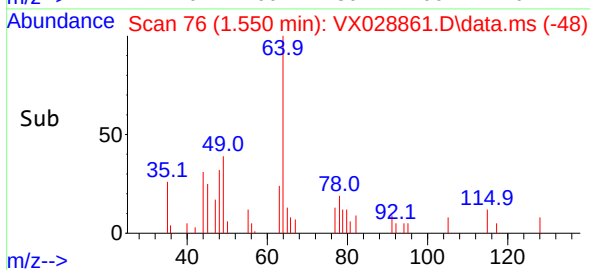
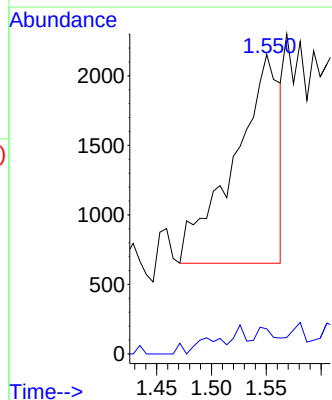
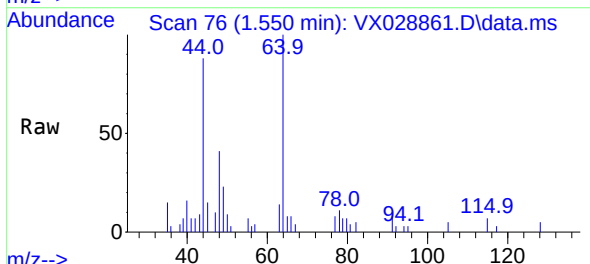
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20220516

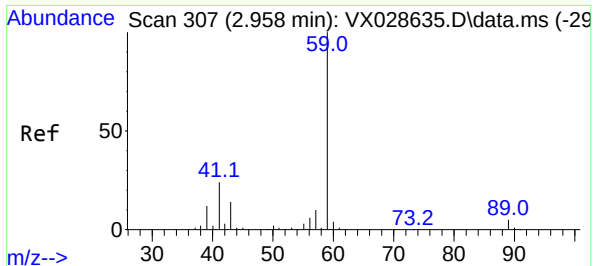
Tgt Ion: 94 Resp: 631
Ion Ratio Lower Upper
94 100
96 74.7 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.550 min Scan# 76
Delta R.T. -0.128 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

Tgt Ion: 64 Resp: 4322
Ion Ratio Lower Upper
64 100
66 6.9 25.3 37.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 307

Delta R.T. -0.018 min

Lab File: VX028861.D

Acq: 20 May 2022 19:16

Instrument :

MSVOA_X

ClientSampleId :

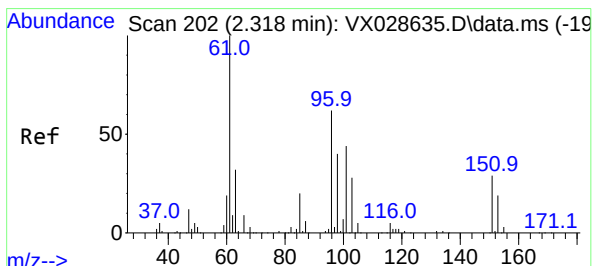
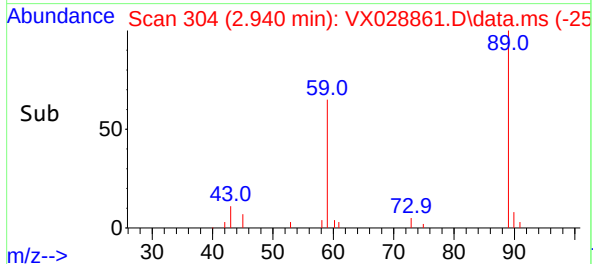
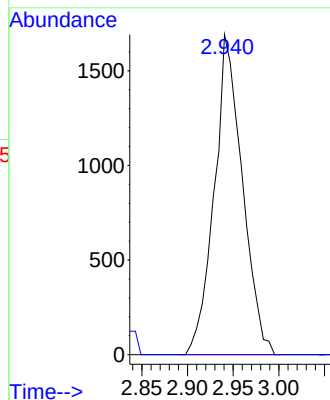
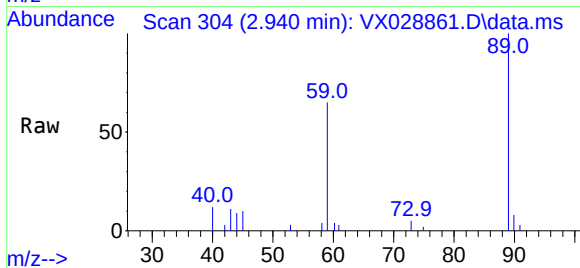
TT162S1-20220516

Tgt Ion: 59 Resp: 3618

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 0.327 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.001 min

Lab File: VX028861.D

Acq: 20 May 2022 19:16

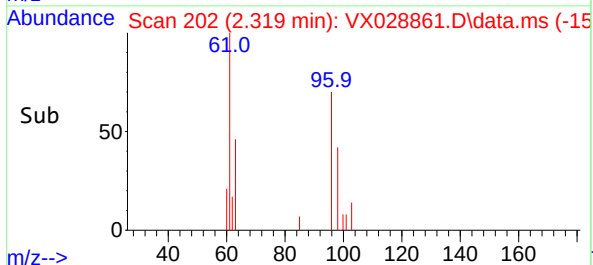
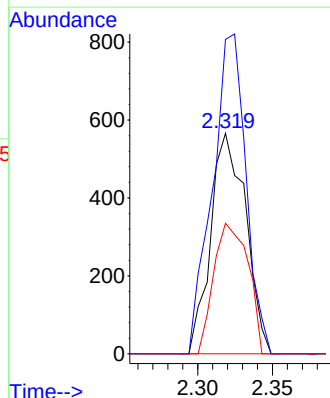
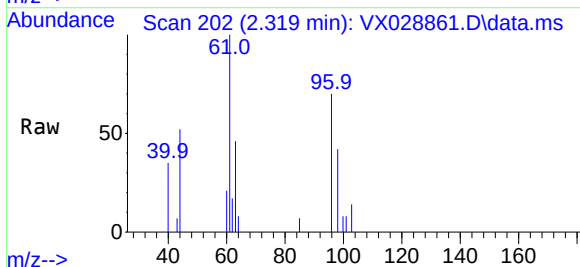
Tgt Ion: 96 Resp: 922

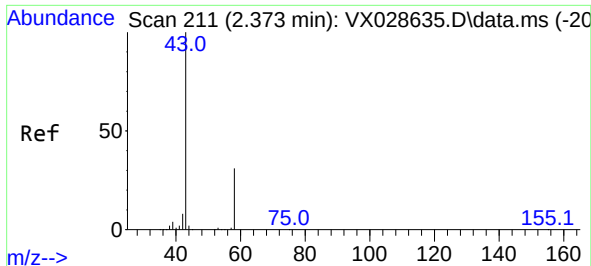
Ion Ratio Lower Upper

96 100

61 142.6 124.6 187.0

98 59.2 51.0 76.4

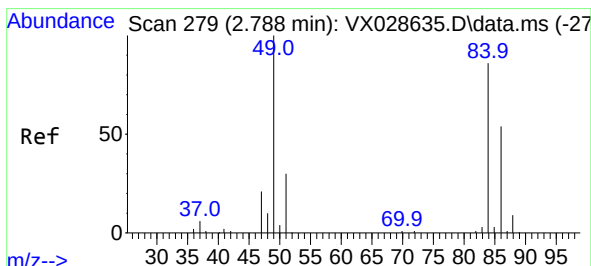
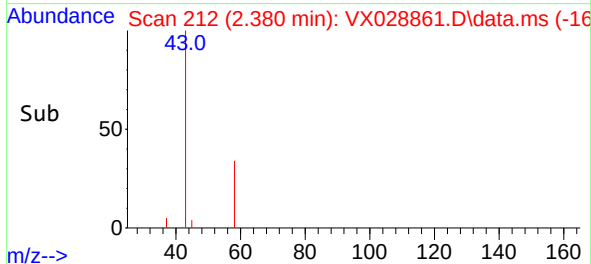
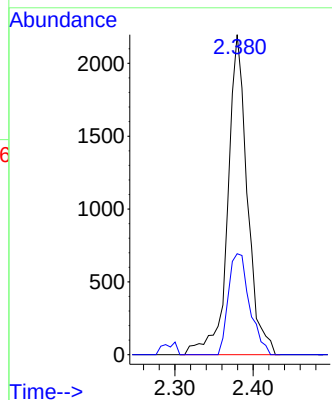
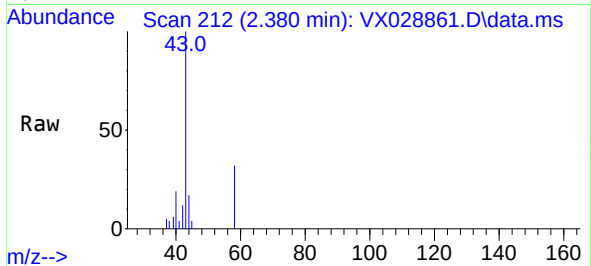




#16
Acetone
Concen: 2.386 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

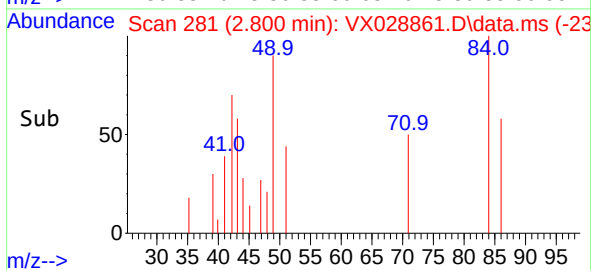
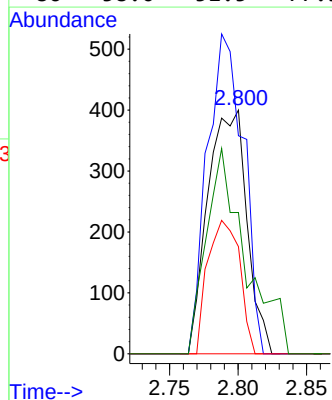
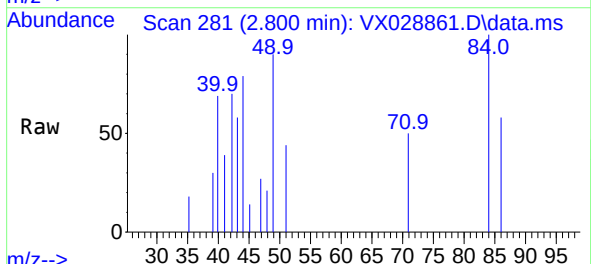
Instrument :
MSVOA_X
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TT162S1-20220516

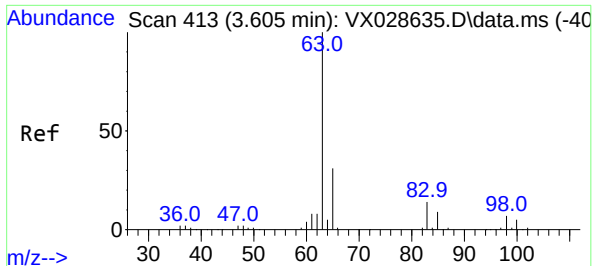
Tgt Ion: 43 Resp: 3819
Ion Ratio Lower Upper
43 100
58 31.5 28.8 43.2



#20
Methylene Chloride
Concen: 0.236 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

Tgt Ion: 84 Resp: 794
Ion Ratio Lower Upper
84 100
49 89.5 85.5 128.3
51 44.0 26.6 39.8#
86 58.0 51.5 77.3

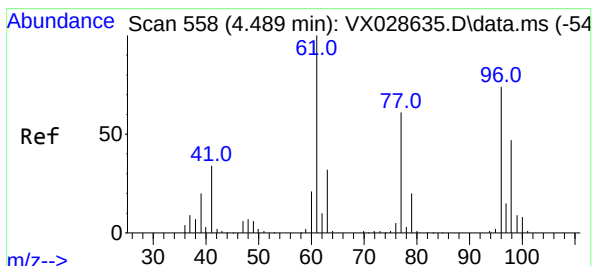
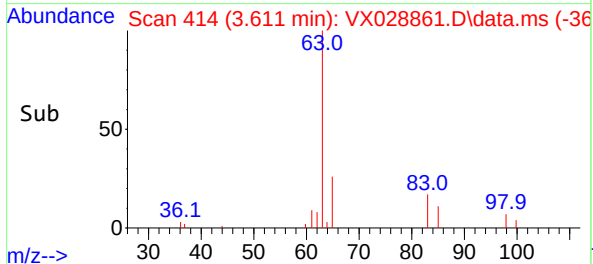
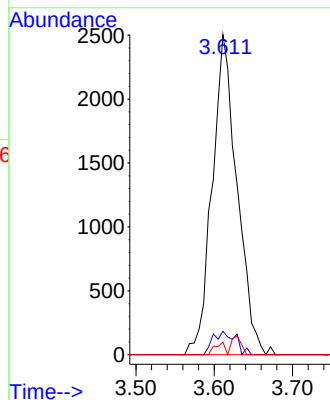
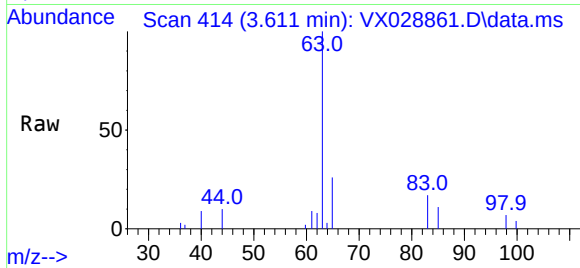




#24
1,1-Dichloroethane
Concen: 0.986 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

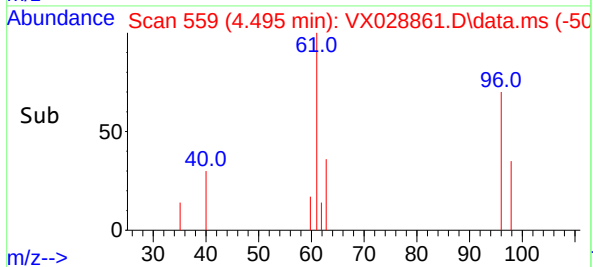
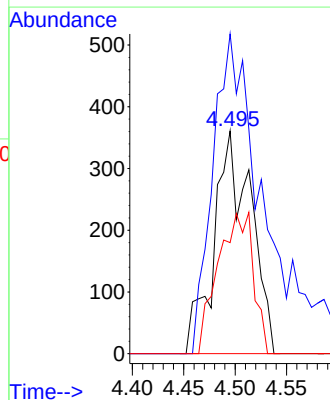
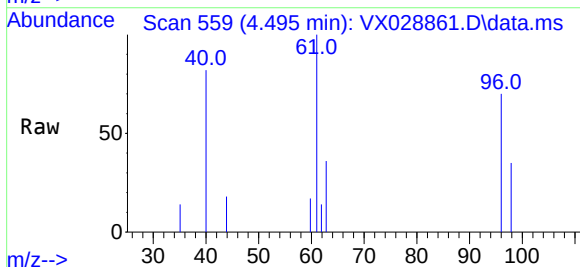
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20220516

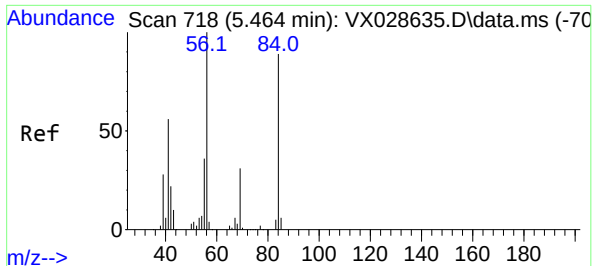
Tgt Ion: 63 Resp: 5534
Ion Ratio Lower Upper
63 100
98 7.3 3.9 11.7
100 4.0 2.4 7.2



#27
cis-1,2-Dichloroethene
Concen: 0.244 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

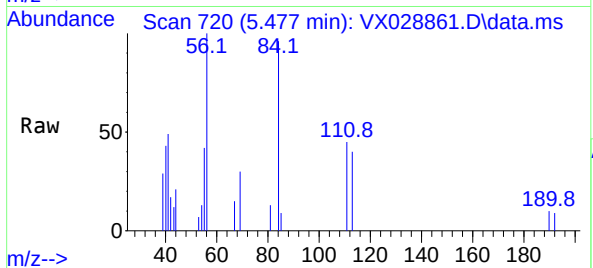
Tgt Ion: 96 Resp: 905
Ion Ratio Lower Upper
96 100
61 174.1 0.0 283.8
98 60.3 0.0 129.8





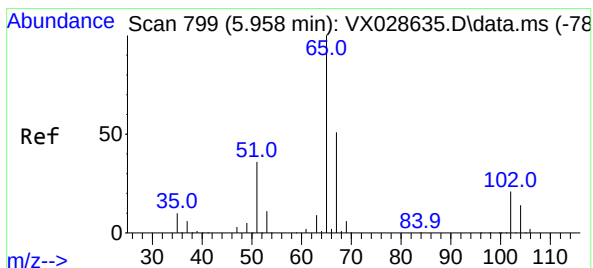
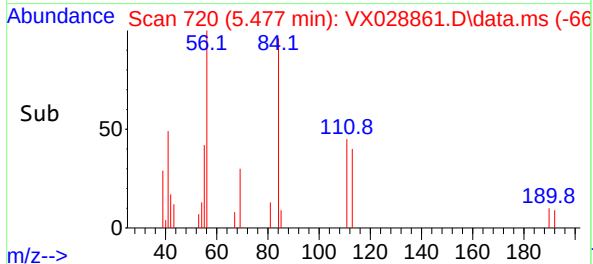
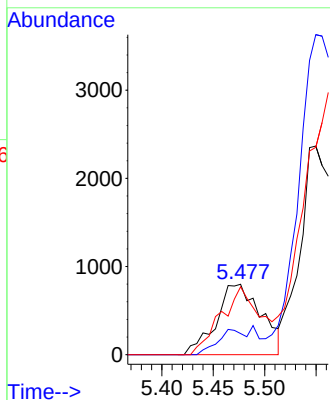
#31
Cyclohexane
Concen: 0.469 ug/l
RT: 5.477 min Scan# 718
Delta R.T. 0.013 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

Instrument :
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Tgt Ion: 56 Resp: 2427

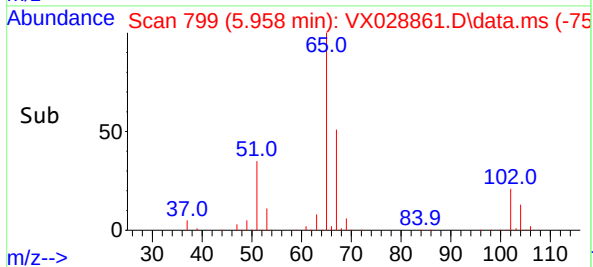
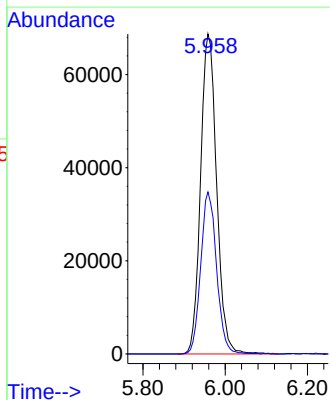
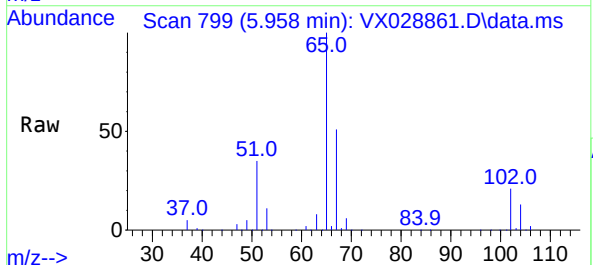
Ion	Ratio	Lower	Upper
56	100		
69	30.0	26.7	40.1
84	96.4	77.2	115.8

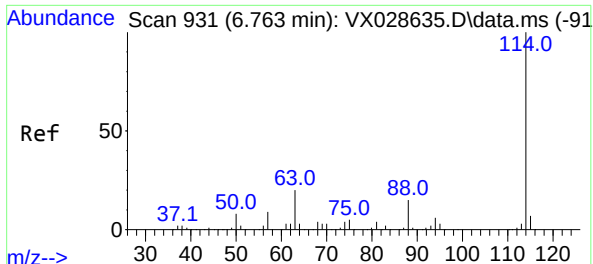


#33
1,2-Dichloroethane-d4
Concen: 49.888 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

Tgt Ion: 65 Resp: 186037

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	107.4

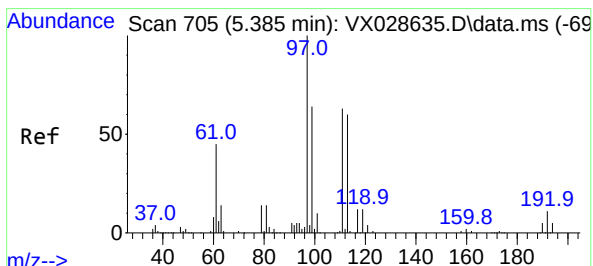
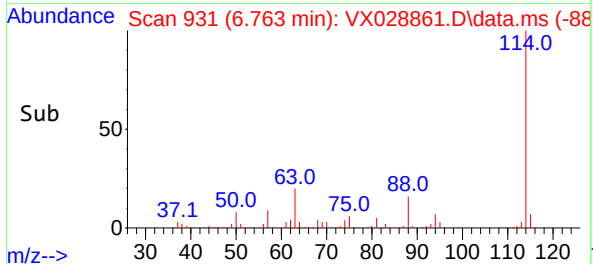
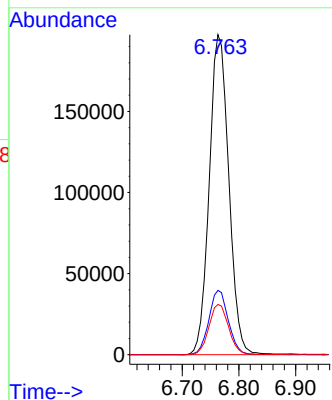
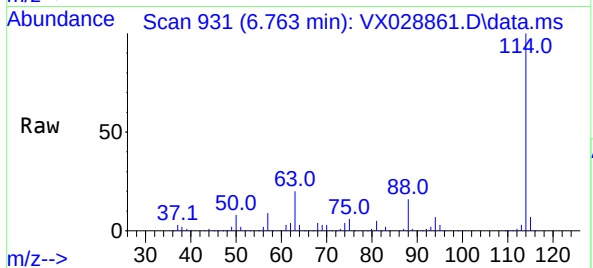




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

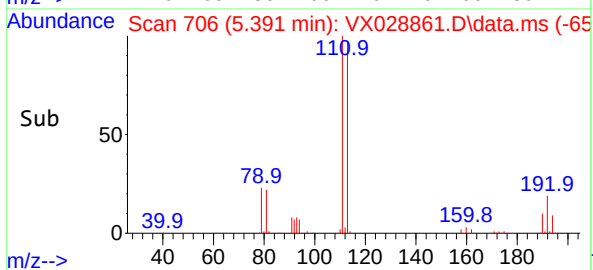
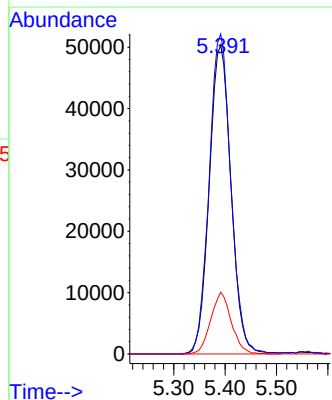
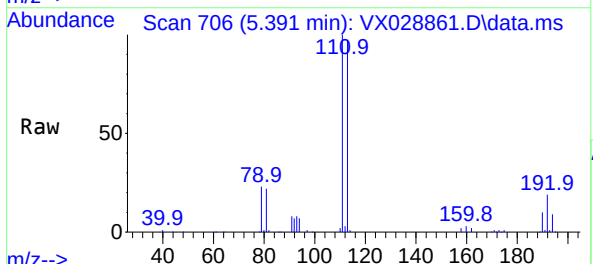
Instrument :
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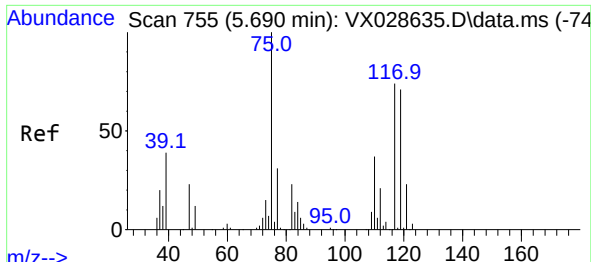
Tgt Ion:114 Resp: 472714
Ion Ratio Lower Upper
114 100
63 20.1 0.0 36.8
88 15.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 47.677 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

Tgt Ion:113 Resp: 147663
Ion Ratio Lower Upper
113 100
111 103.4 82.8 124.2
192 18.9 16.9 25.3

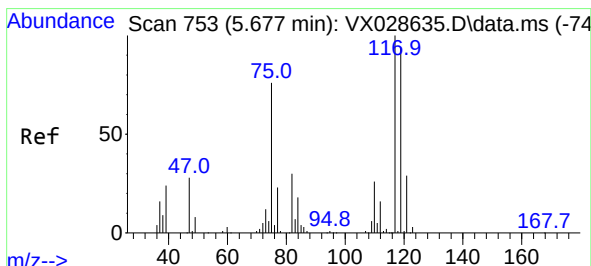
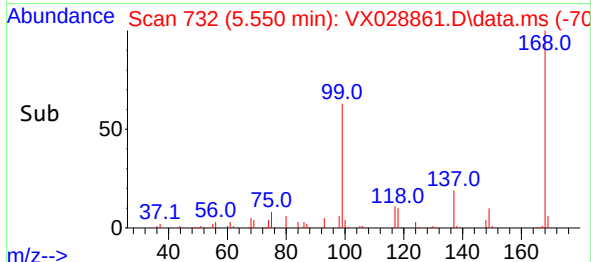
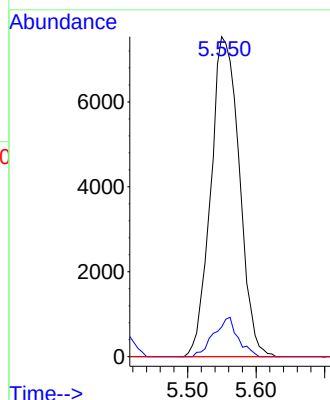
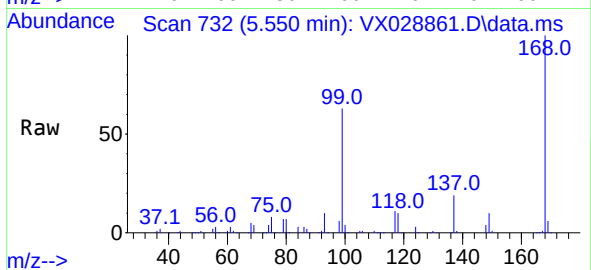




#36
1,1-Dichloropropene
Concen: 4.680 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

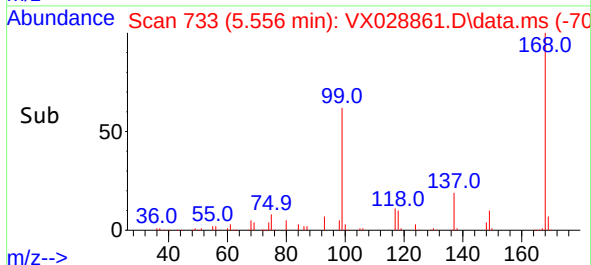
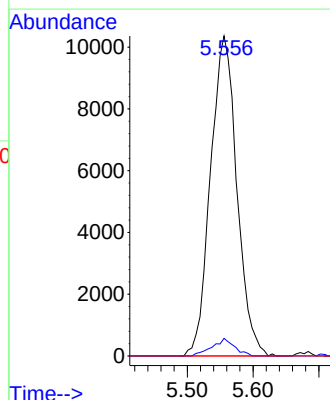
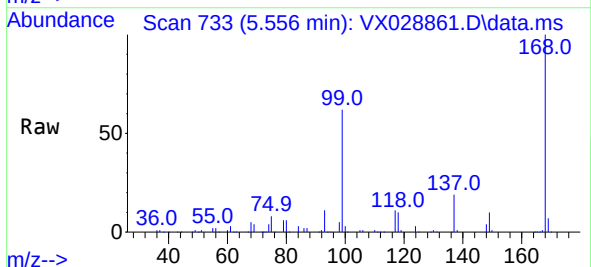
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20220516

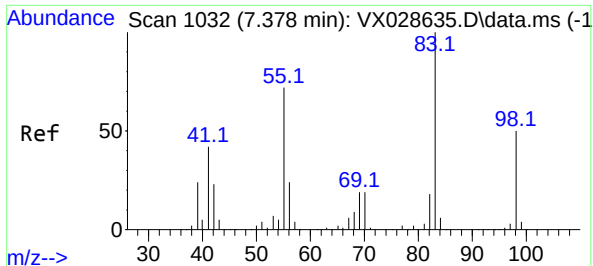
Tgt Ion: 75 Resp: 21770
Ion Ratio Lower Upper
75 100
110 10.4 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.176 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.121 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

Tgt Ion: 117 Resp: 28914
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.280 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.001 min

Lab File: VX028861.D

Acq: 20 May 2022 19:16

Instrument :

MSVOA_X

ClientSampleId :

TT162S1-20220516

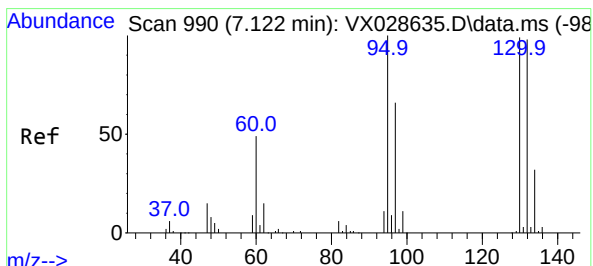
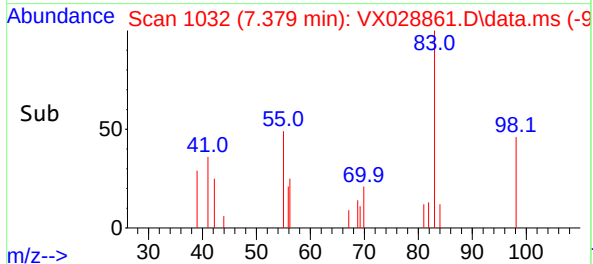
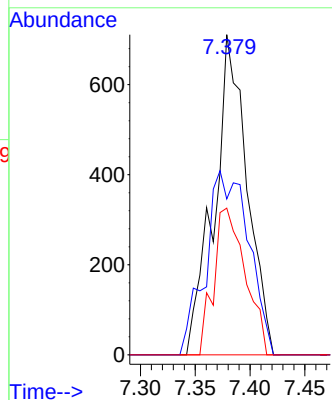
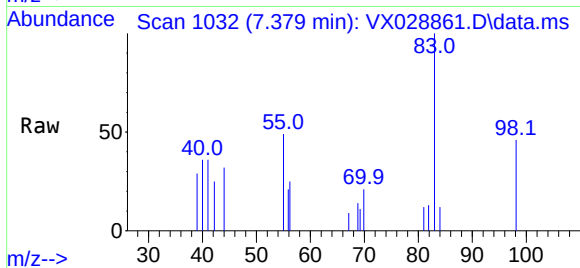
Tgt Ion: 83 Resp: 1492

Ion Ratio Lower Upper

83 100

55 48.7 54.6 81.8#

98 45.9 37.4 56.2



#44

Trichloroethene

Concen: 7.419 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.007 min

Lab File: VX028861.D

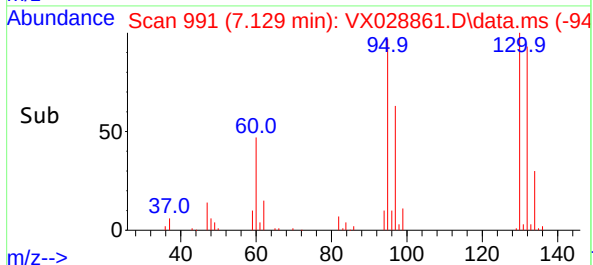
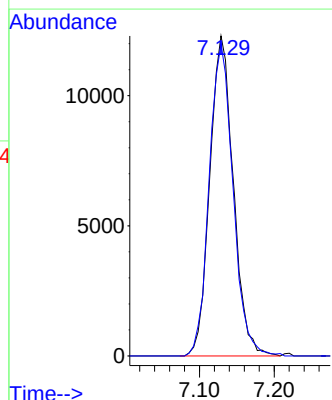
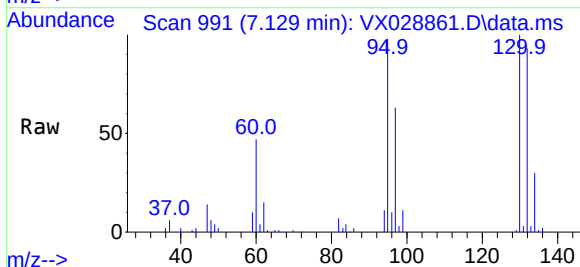
Acq: 20 May 2022 19:16

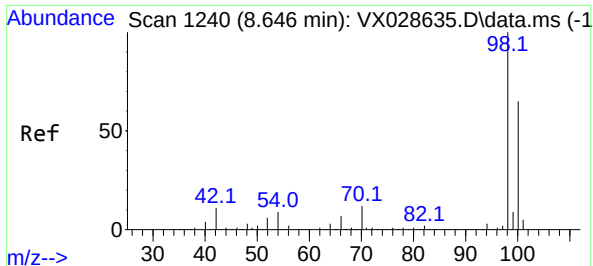
Tgt Ion:130 Resp: 26902

Ion Ratio Lower Upper

130 100

95 97.6 0.0 188.8





#50

Toluene-d8

Concen: 47.602 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.007 min

Lab File: VX028861.D

Acq: 20 May 2022 19:16

Instrument :

MSVOA_X

ClientSampleId :

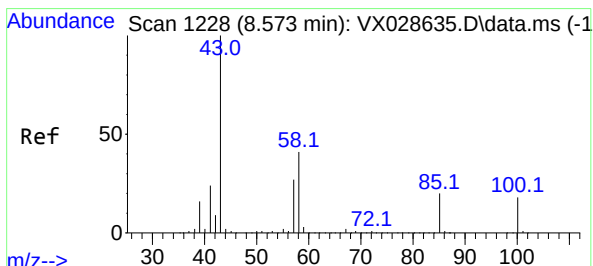
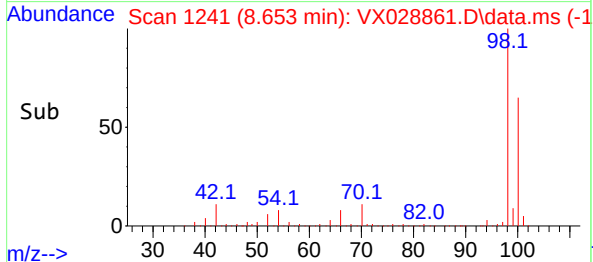
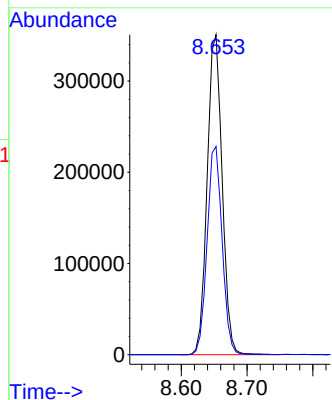
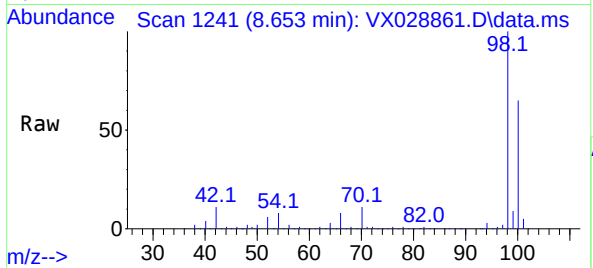
TT162S1-20220516

Tgt Ion: 98 Resp: 555840

Ion Ratio Lower Upper

98 100

100 65.4 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.487 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.074 min

Lab File: VX028861.D

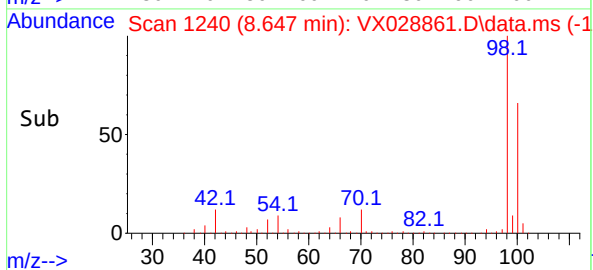
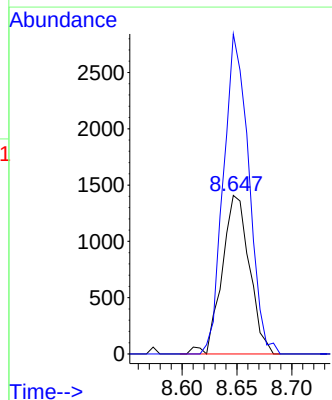
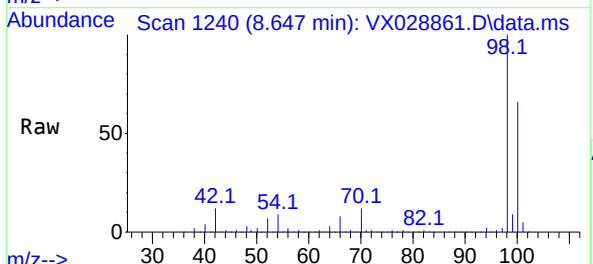
Acq: 20 May 2022 19:16

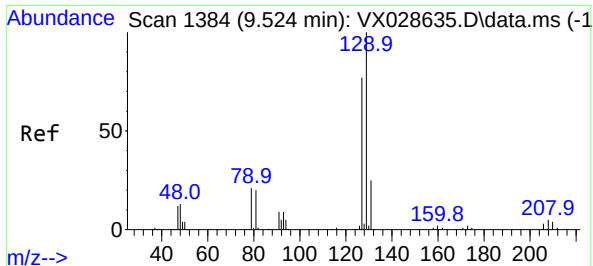
Tgt Ion: 43 Resp: 2438

Ion Ratio Lower Upper

43 100

58 186.8 36.1 54.1#





#60

Dibromochloromethane

Concen: 0.391 ug/l

RT: 9.281 min Scan# 11

Delta R.T. -0.243 min

Lab File: VX028861.D

Acq: 20 May 2022 19:16

Instrument :

MSVOA_X

ClientSampleId :

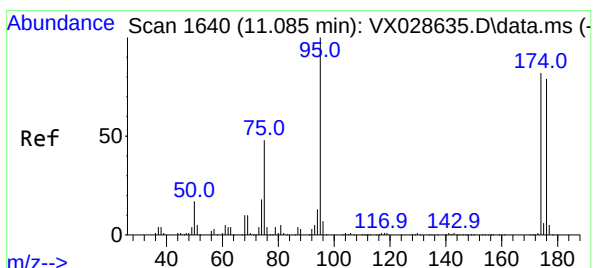
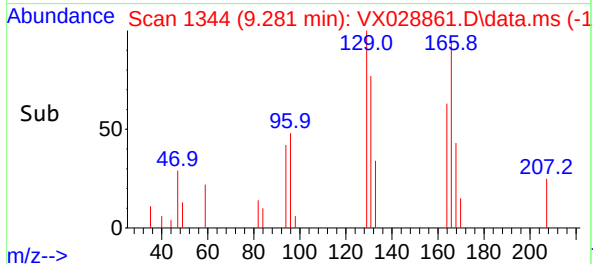
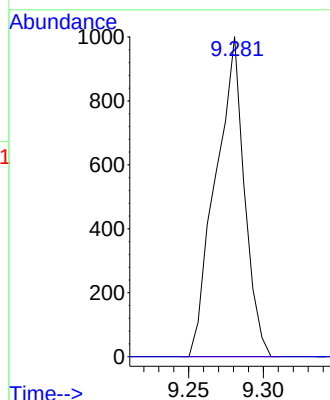
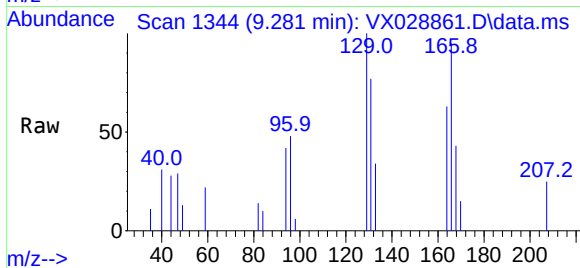
TT162S1-20220516

Tgt Ion:129 Resp: 1337

Ion Ratio Lower Upper

129 100

127 0.0 40.3 120.8#



#62

4-Bromofluorobenzene

Concen: 57.045 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028861.D

Acq: 20 May 2022 19:16

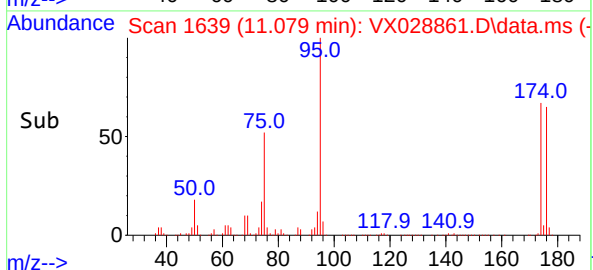
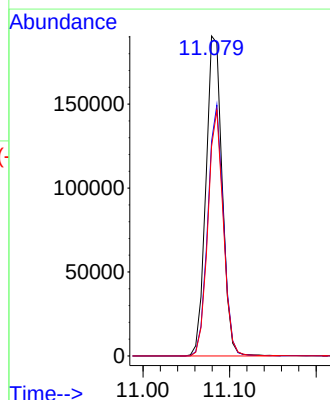
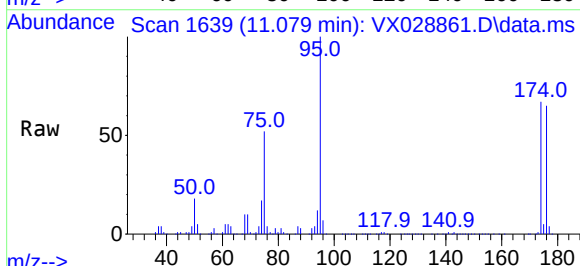
Tgt Ion: 95 Resp: 248793

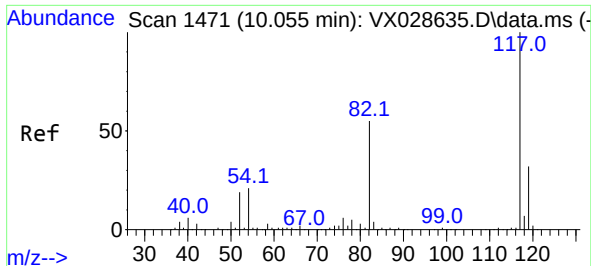
Ion Ratio Lower Upper

95 100

174 75.1 0.0 163.0

176 72.5 0.0 155.0

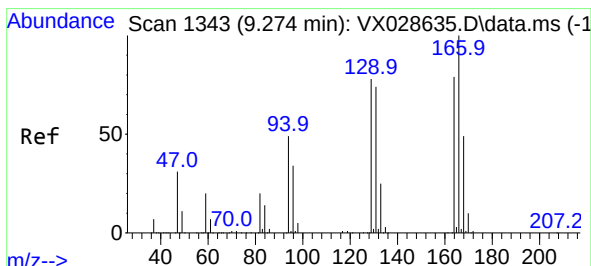
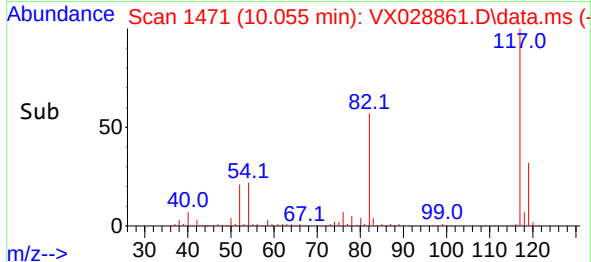
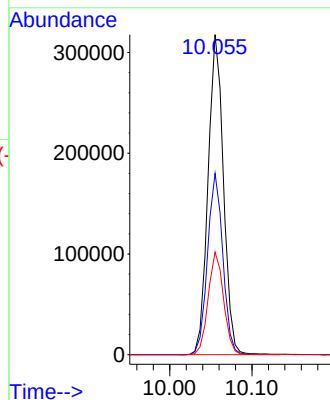
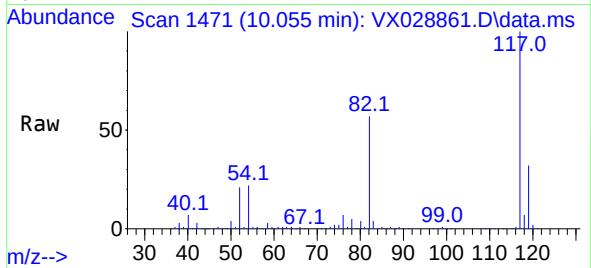




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

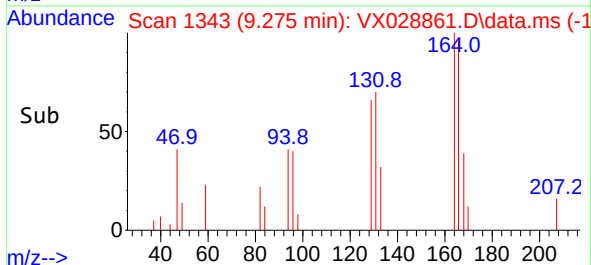
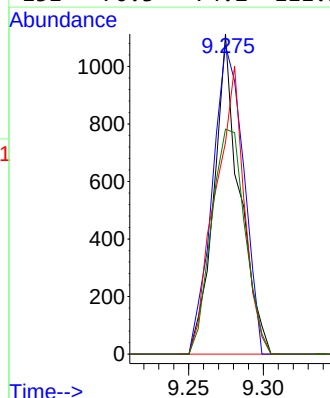
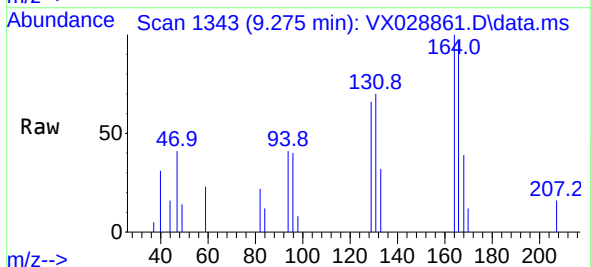
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20220516

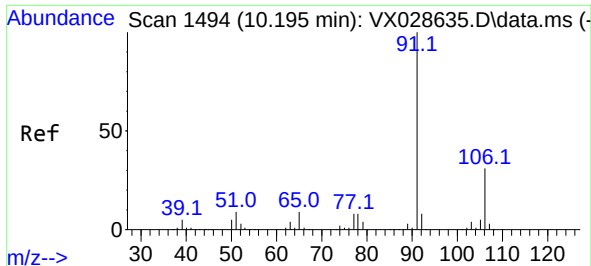
Tgt Ion:117 Resp: 413214
Ion Ratio Lower Upper
117 100
82 56.7 41.8 62.8
119 32.0 24.8 37.2



#64
Tetrachloroethene
Concen: 0.428 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.001 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

Tgt Ion:164 Resp: 1334
Ion Ratio Lower Upper
164 100
166 96.4 101.2 151.8#
129 66.1 73.0 109.4#
131 70.3 74.2 111.2#





#67

Ethyl Benzene

Concen: 1.002 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX028861.D

Acq: 20 May 2022 19:16

Instrument :

MSVOA_X

ClientSampleId :

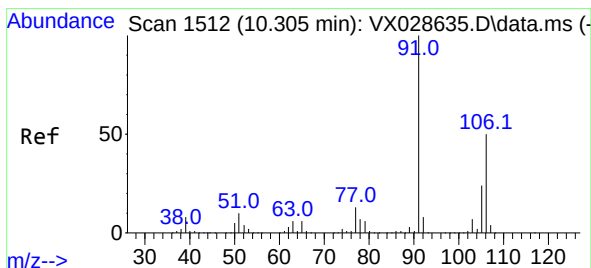
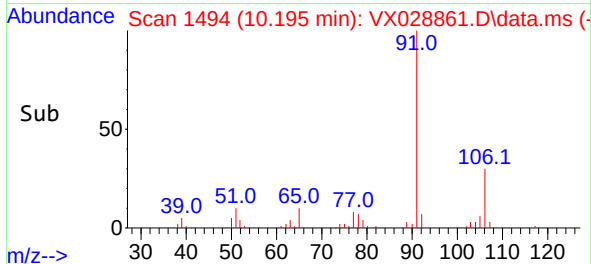
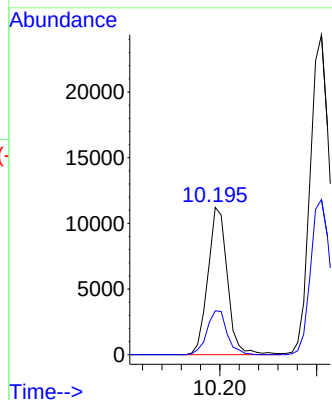
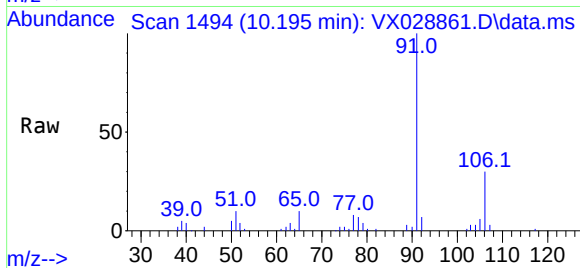
TT162S1-20220516

Tgt Ion: 91 Resp: 15751

Ion Ratio Lower Upper

91 100

106 29.8 24.6 36.8



#68

m/p-Xylenes

Concen: 2.769 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX028861.D

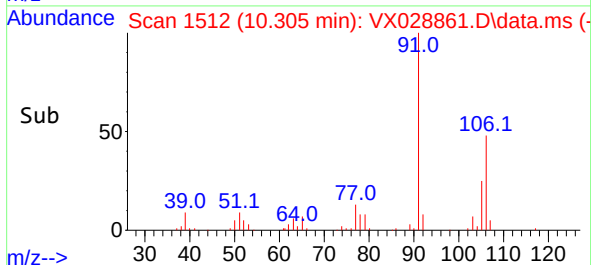
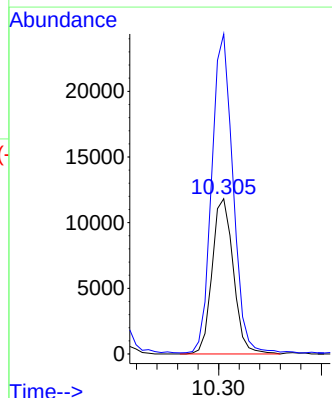
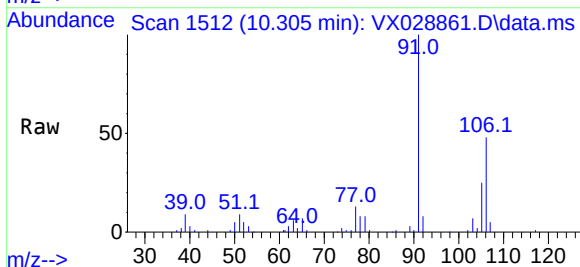
Acq: 20 May 2022 19:16

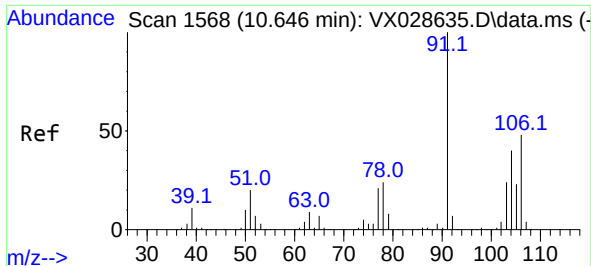
Tgt Ion: 106 Resp: 16936

Ion Ratio Lower Upper

106 100

91 206.5 160.4 240.6

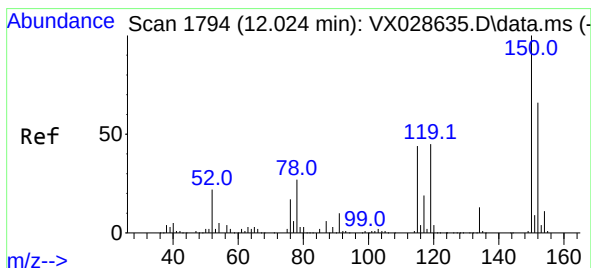
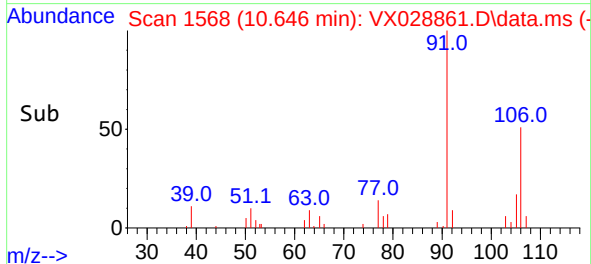
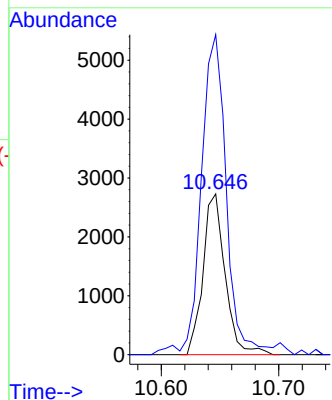
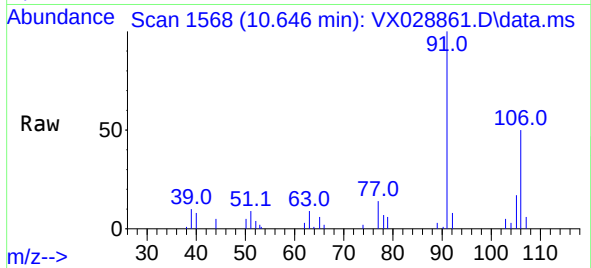




#69
o-Xylene
Concen: 0.593 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

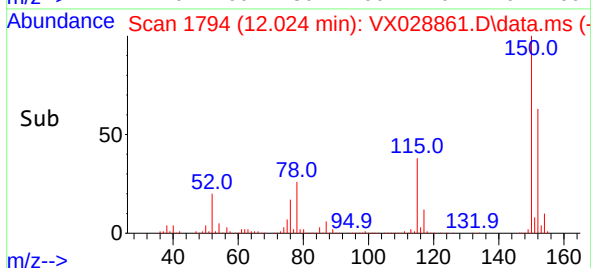
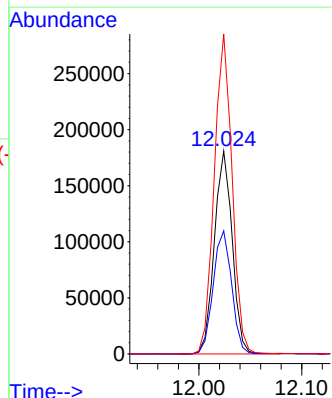
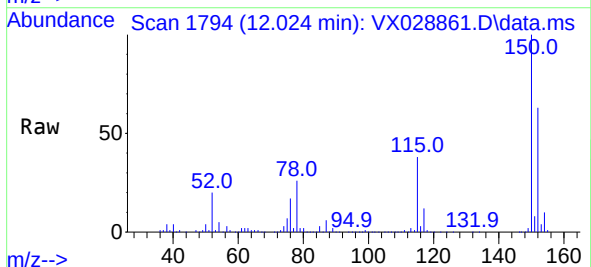
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20220516

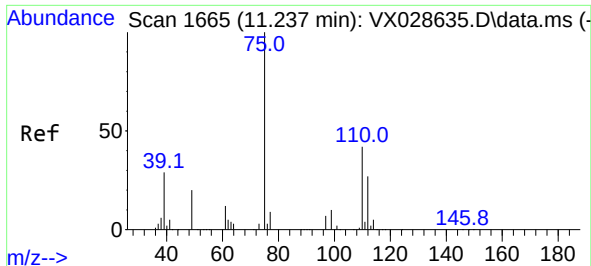
Tgt Ion:106 Resp: 3571
Ion Ratio Lower Upper
106 100
91 224.6 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

Tgt Ion:152 Resp: 217907
Ion Ratio Lower Upper
152 100
115 62.8 37.5 112.7
150 157.7 0.0 338.2

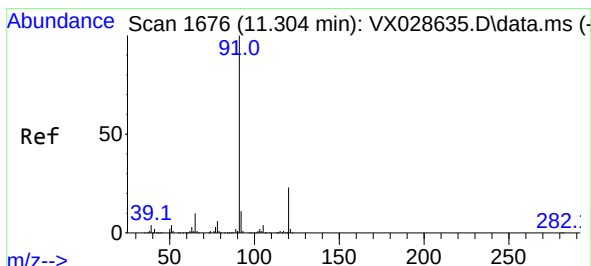
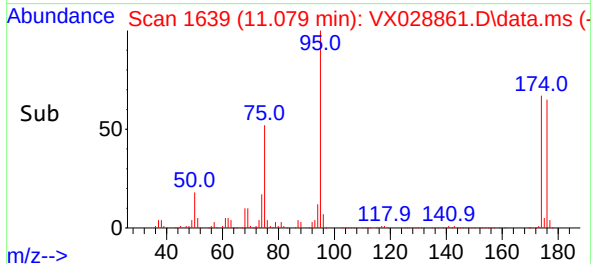
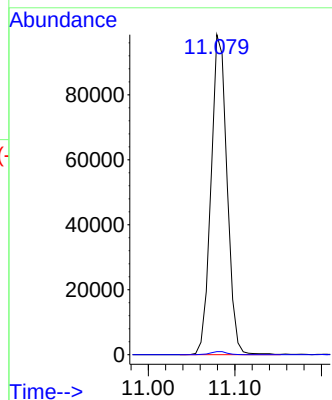
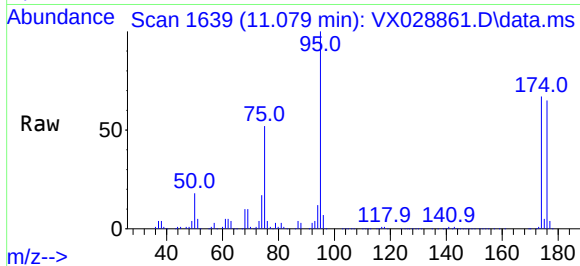




#76
1,2,3-Trichloropropane
Concen: 24.844 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

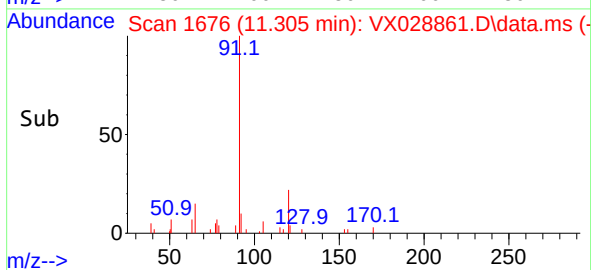
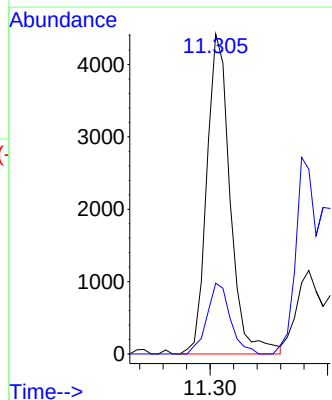
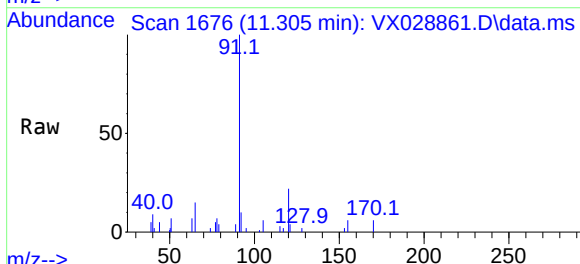
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20220516

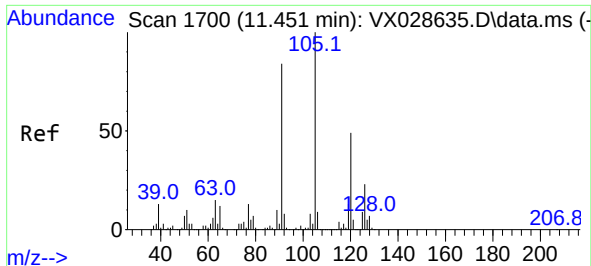
Tgt Ion: 75 Resp: 126783
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#78
n-propylbenzene
Concen: 0.319 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.001 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

Tgt Ion: 91 Resp: 6104
Ion Ratio Lower Upper
91 100
120 22.1 11.6 34.8

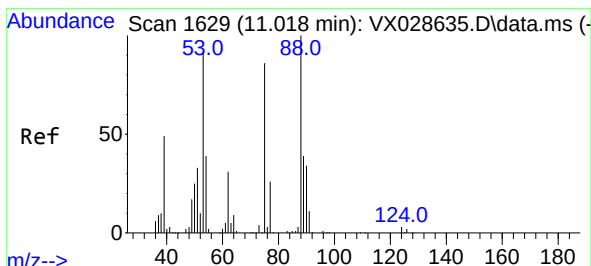
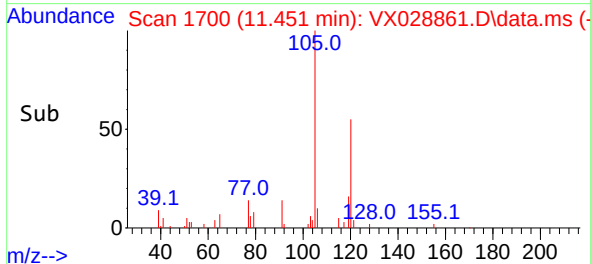
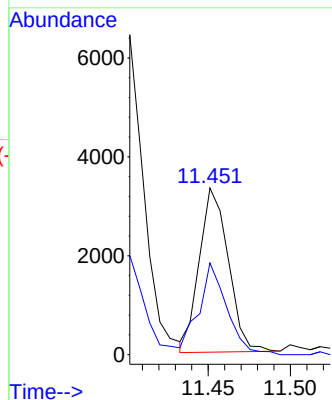
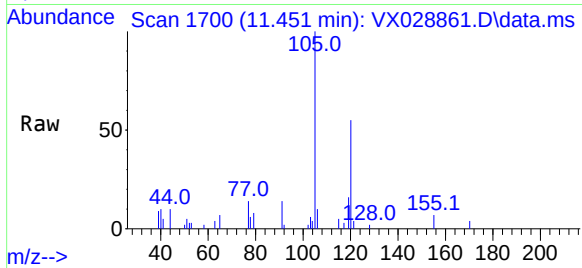




#80
1,3,5-Trimethylbenzene
Concen: 0.296 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

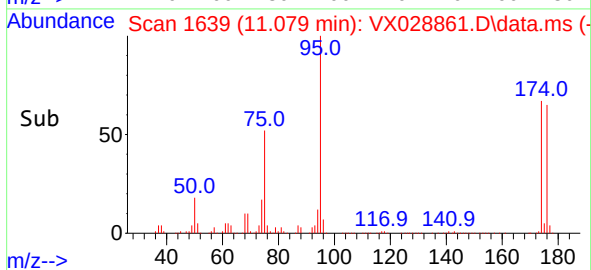
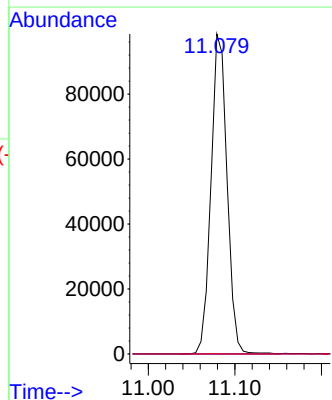
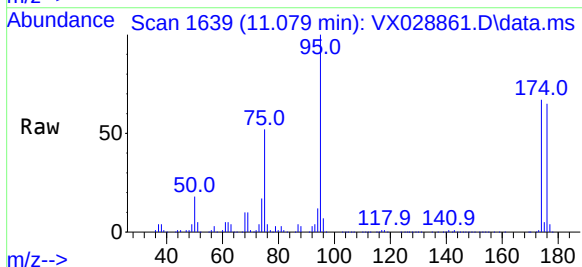
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20220516

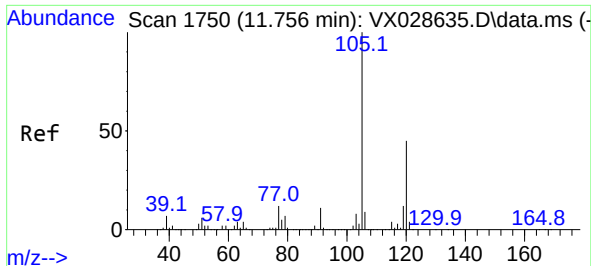
Tgt Ion:105 Resp: 4074
Ion Ratio Lower Upper
105 100
120 54.1 24.3 72.9



#81
trans-1,4-Dichloro-2-butene
Concen: 72.249 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

Tgt Ion: 75 Resp: 126783
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

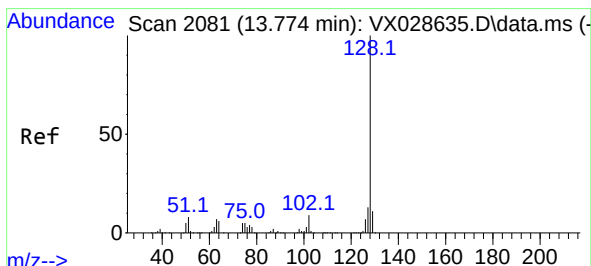
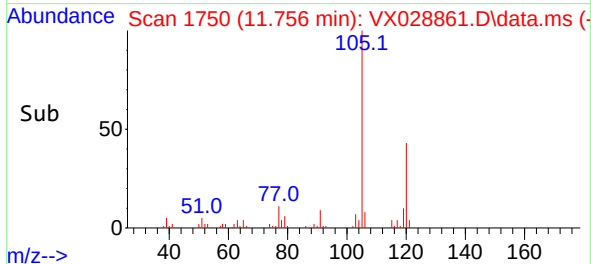
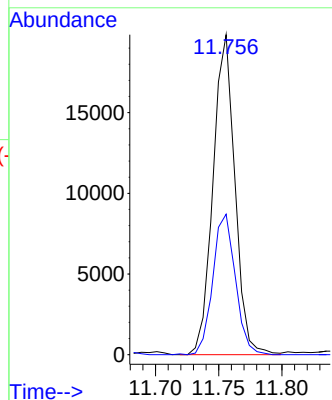
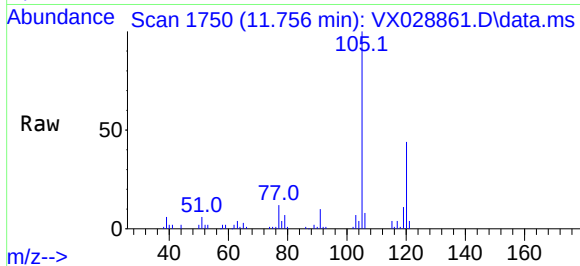




#84
1,2,4-Trimethylbenzene
Concen: 1.729 ug/l
RT: 11.756 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20220516

Tgt Ion:105 Resp: 23871
Ion Ratio Lower Upper
105 100
120 45.3 22.6 67.8



#95
Naphthalene
Concen: 1.247 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX028861.D
Acq: 20 May 2022 19:16

Tgt Ion:128 Resp: 19302
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.4
129 11.2 8.7 13.1

