

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040723\
 Data File : VX034981.D
 Acq On : 07 Apr 2023 20:03
 Operator : JC/MD
 Sample : 02247-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-121

Quant Time: Apr 08 01:00:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

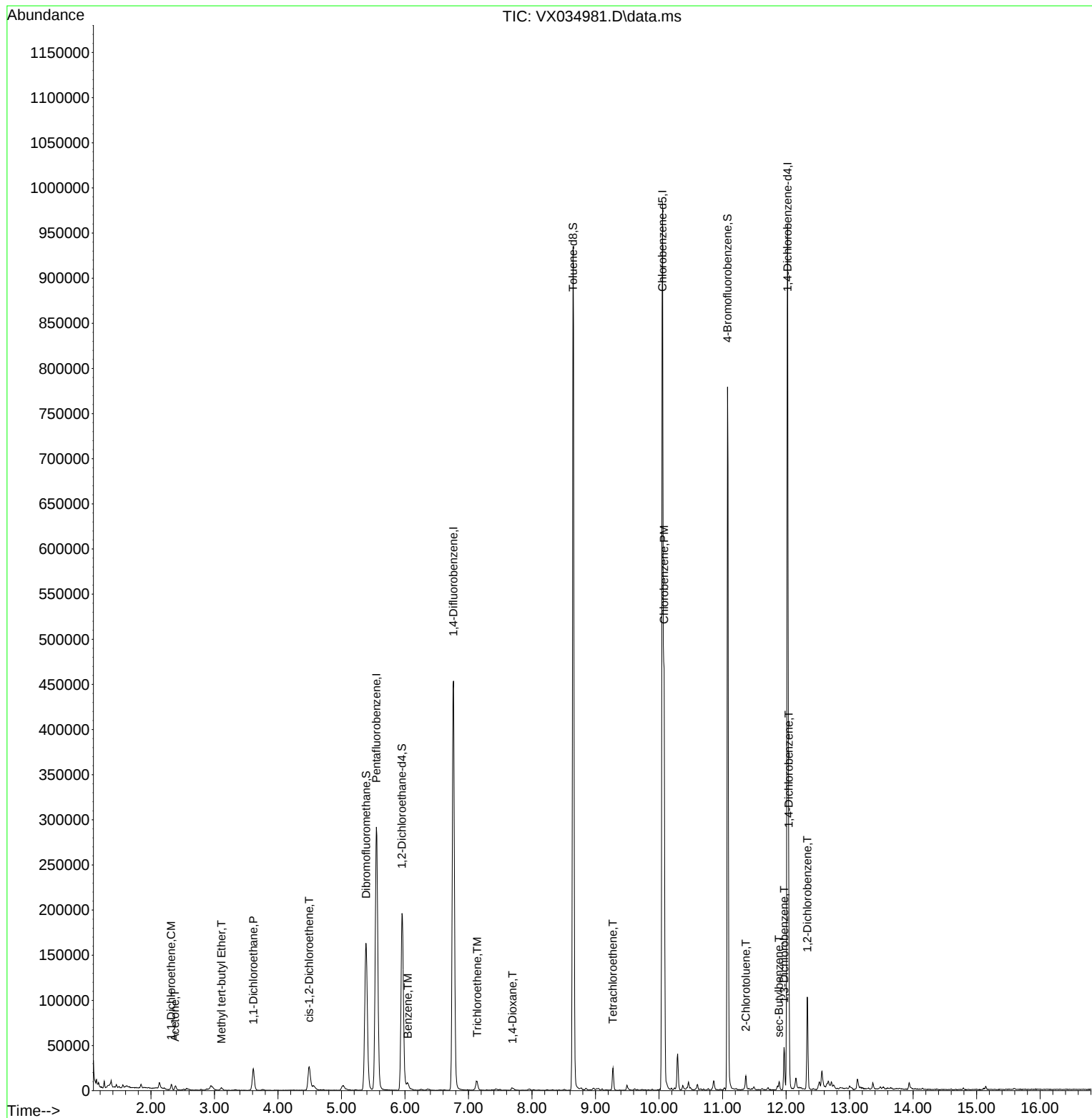
Internal Standards						
1) Pentafluorobenzene	5.550	168	261290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	454256	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	410960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	184578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	196411	49.151	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	98.300%	
35) Dibromofluoromethane	5.385	113	142132	47.306	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.620%	
50) Toluene-d8	8.647	98	540823	48.767	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	97.540%	
62) 4-Bromofluorobenzene	11.079	95	209236	48.756	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	97.520%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.319	96	1975	0.736	ug/l #	87
16) Acetone	2.380	43	4417	2.721	ug/l	90
19) Methyl tert-butyl Ether	3.111	73	2611	0.263	ug/l	92
24) 1,1-Dichloroethane	3.611	63	25685	4.502	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	16210	4.676	ug/l	93
40) Benzene	6.044	78	8486	0.664	ug/l	97
44) Trichloroethene	7.135	130	4103	1.258	ug/l	94
49) 1,4-Dioxane	7.690	88	2681	34.019	ug/l #	91
64) Tetrachloroethene	9.275	164	4517	1.536	ug/l	93
65) Chlorobenzene	10.079	112	190825	22.317	ug/l	98
79) 2-Chlorotoluene	11.366	91	7049	0.715	ug/l	96
85) sec-Butylbenzene	11.890	105	3719	0.288	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	14375	2.356	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	58185	9.131	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	29395	4.811	ug/l	98

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

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Sample : 02247-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW-12I

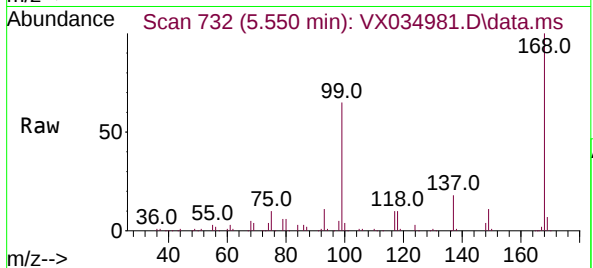
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 01 01:50:18 2023
Response via : Initial Calibration



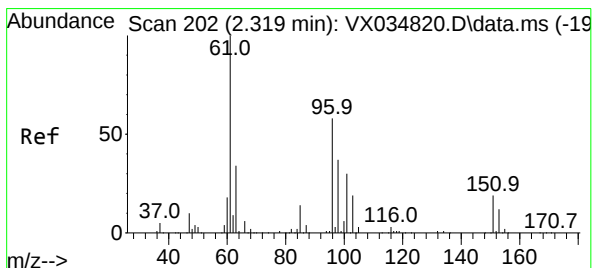
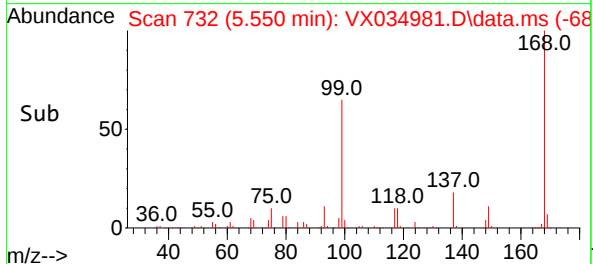
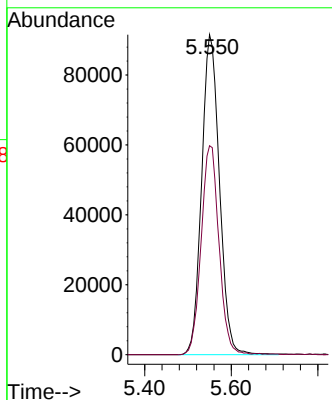


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034981.D
Acq: 07 Apr 2023 20:03

Instrument :
MSVOA_X
ClientSampleId :
RW-121

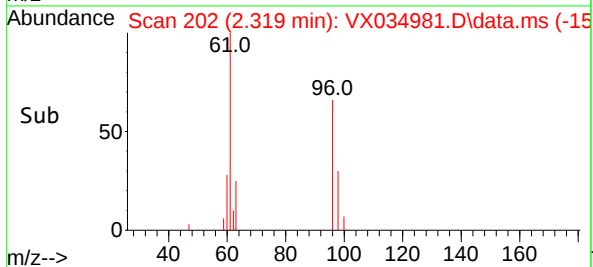
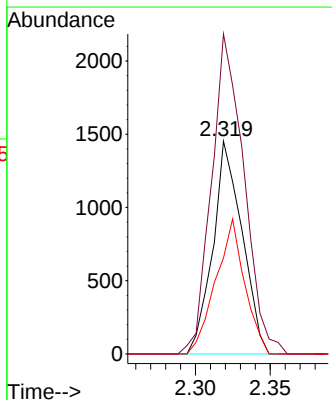
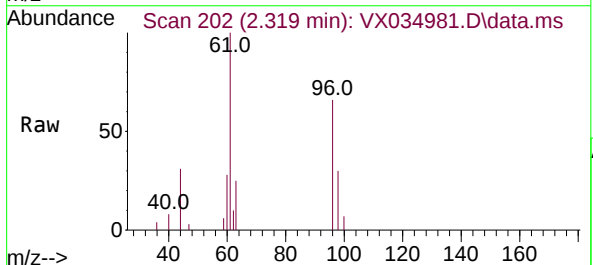


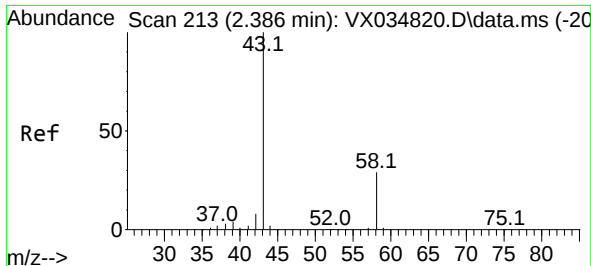
Tgt Ion:168 Resp: 261290
Ion Ratio Lower Upper
168 100
99 65.3 45.7 68.5



#12
1,1-Dichloroethene
Concen: 0.736 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX034981.D
Acq: 07 Apr 2023 20:03

Tgt Ion: 96 Resp: 1975
Ion Ratio Lower Upper
96 100
61 150.4 128.8 193.2
98 45.1 51.4 77.0#

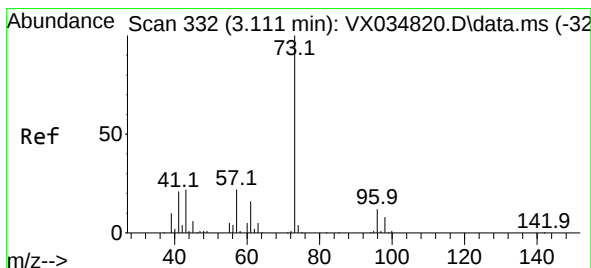
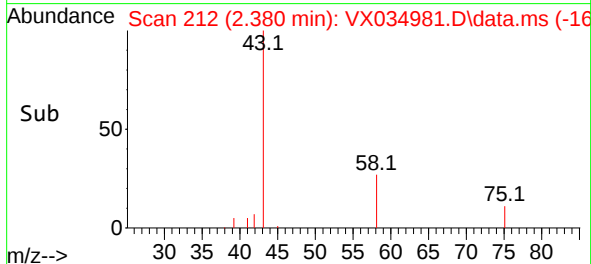
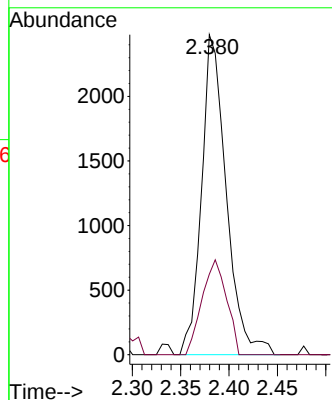
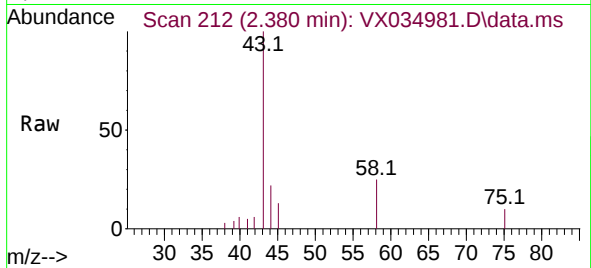




#16
Acetone
Concen: 2.721 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX034981.D
Acq: 07 Apr 2023 20:03

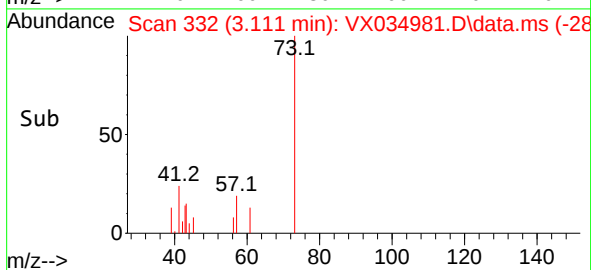
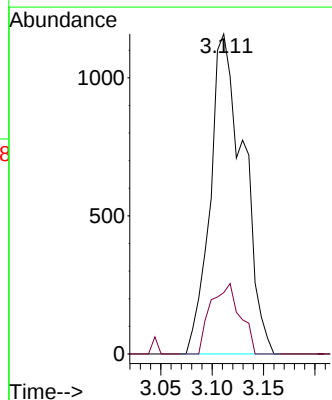
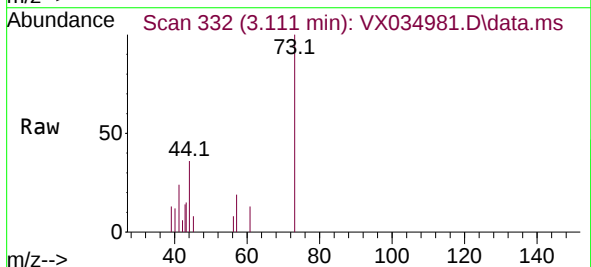
Instrument :
MSVOA_X
ClientSampleId :
RW-121

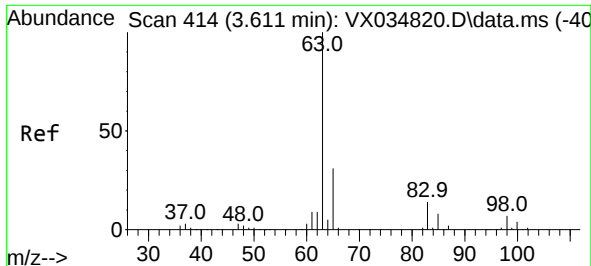
Tgt Ion: 43 Resp: 4417
Ion Ratio Lower Upper
43 100
58 25.2 24.7 37.1



#19
Methyl tert-butyl Ether
Concen: 0.263 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX034981.D
Acq: 07 Apr 2023 20:03

Tgt Ion: 73 Resp: 2611
Ion Ratio Lower Upper
73 100
57 19.2 18.5 27.7

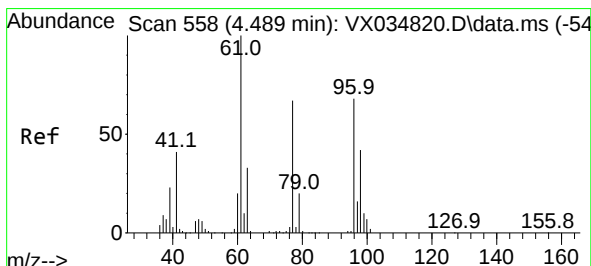
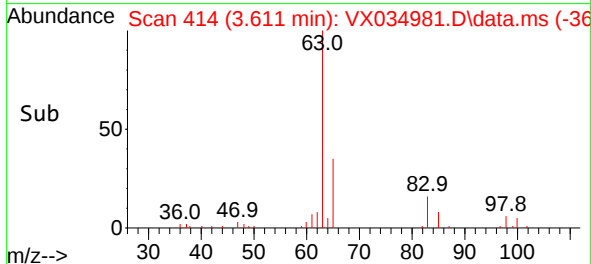
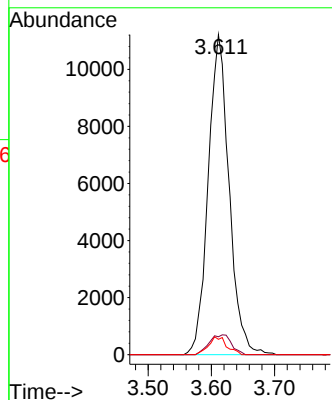
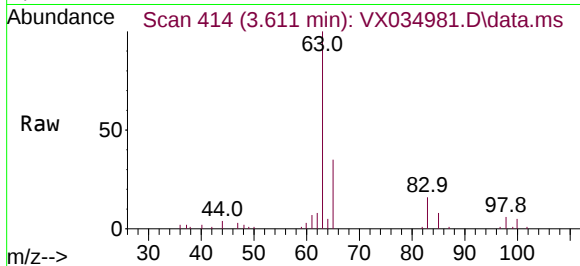




#24
 1,1-Dichloroethane
 Concen: 4.502 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.000 min
 Lab File: VX034981.D
 Acq: 07 Apr 2023 20:03

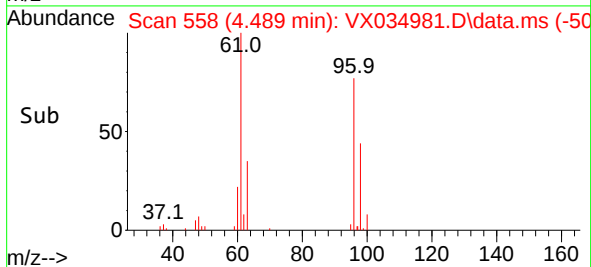
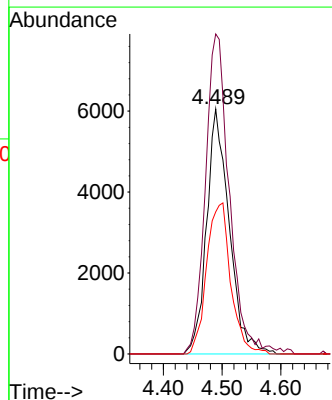
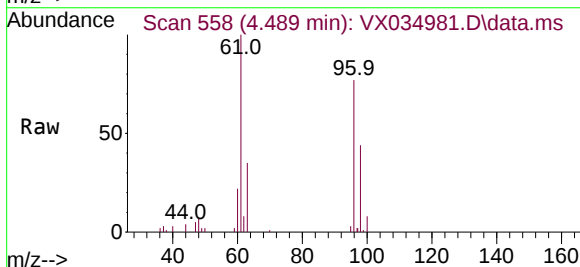
Instrument :
 MSVOA_X
 ClientSampleId :
 RW-121

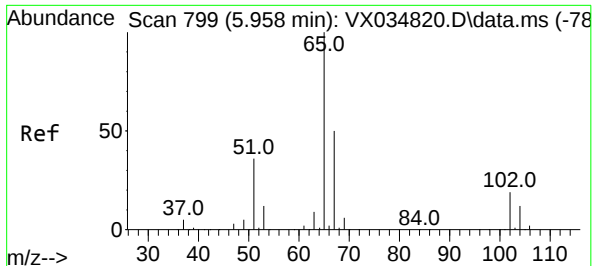
Tgt Ion: 63 Resp: 25685
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.8 11.2
 100 4.8 2.4 7.1



#27
 cis-1,2-Dichloroethene
 Concen: 4.676 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.000 min
 Lab File: VX034981.D
 Acq: 07 Apr 2023 20:03

Tgt Ion: 96 Resp: 16210
 Ion Ratio Lower Upper
 96 100
 61 138.9 0.0 300.4
 98 65.6 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 49.151 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX034981.D

Acq: 07 Apr 2023 20:03

Instrument :

MSVOA_X

ClientSampleId :

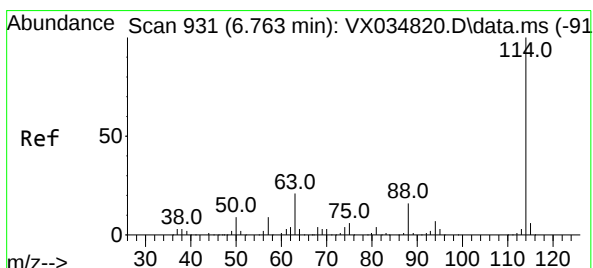
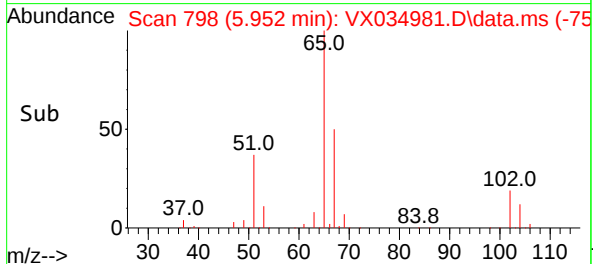
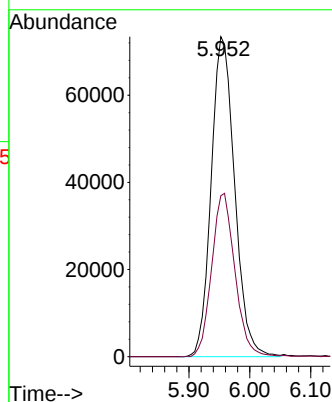
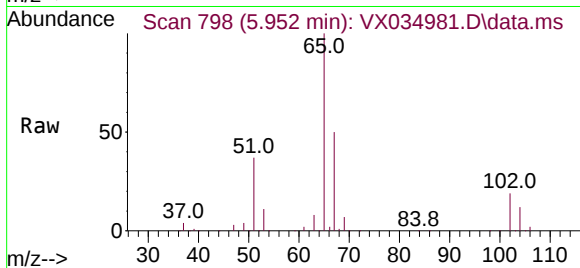
RW-121

Tgt Ion: 65 Resp: 196411

Ion Ratio Lower Upper

65 100

67 50.7 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX034981.D

Acq: 07 Apr 2023 20:03

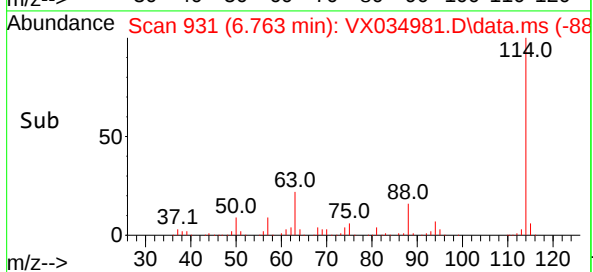
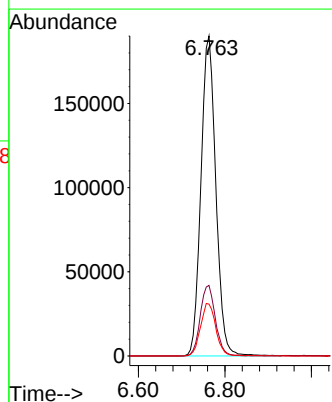
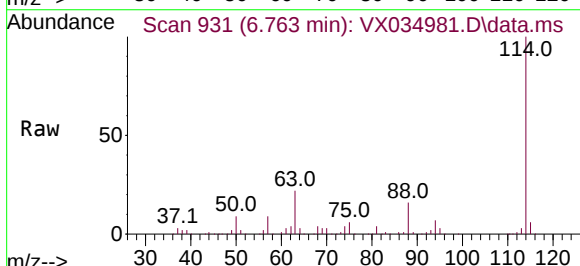
Tgt Ion: 114 Resp: 454256

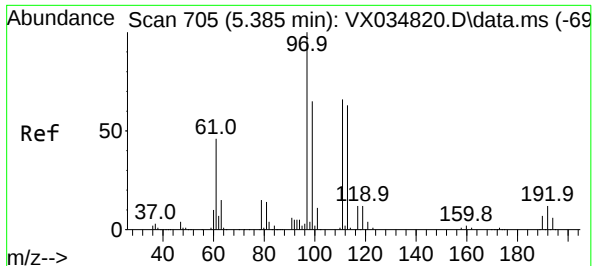
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.2

88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.306 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX034981.D

Acq: 07 Apr 2023 20:03

Instrument :

MSVOA_X

ClientSampleId :

RW-121

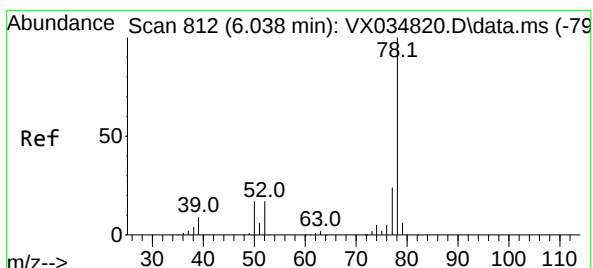
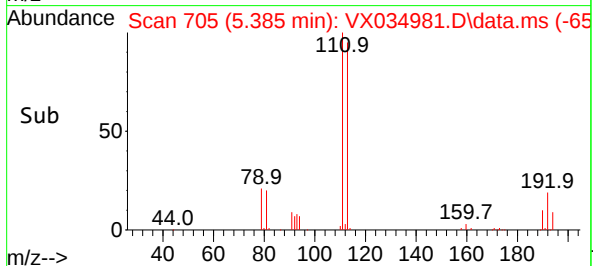
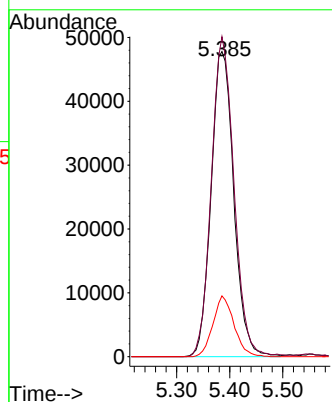
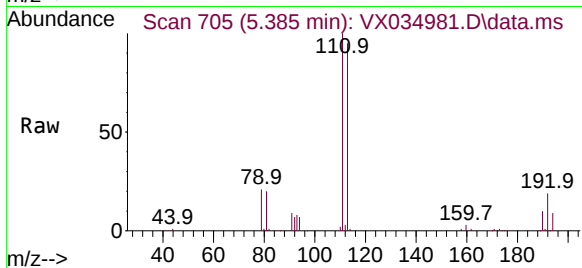
Tgt Ion:113 Resp: 142132

Ion Ratio Lower Upper

113 100

111 104.2 83.7 125.5

192 18.5 15.4 23.2



#40

Benzene

Concen: 0.664 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX034981.D

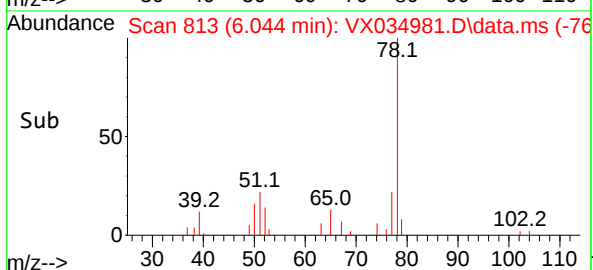
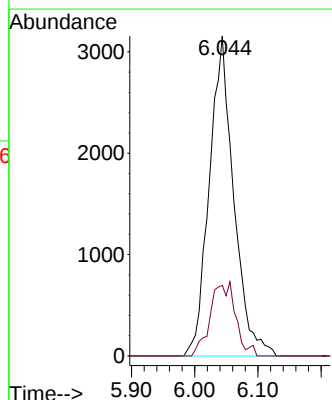
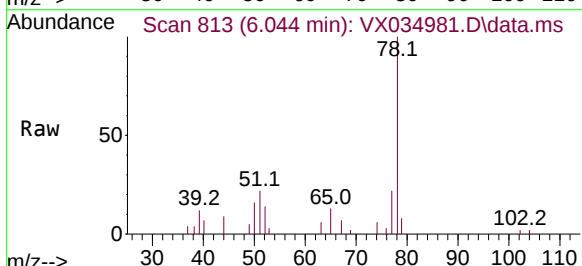
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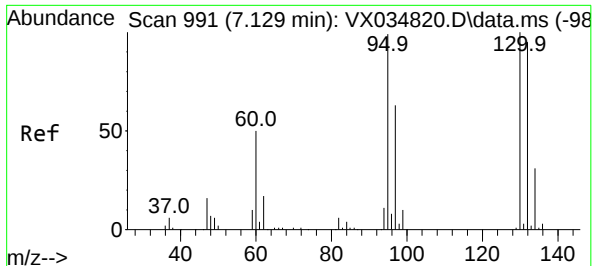
Tgt Ion: 78 Resp: 8486

Ion Ratio Lower Upper

78 100

77 22.0 19.0 28.4

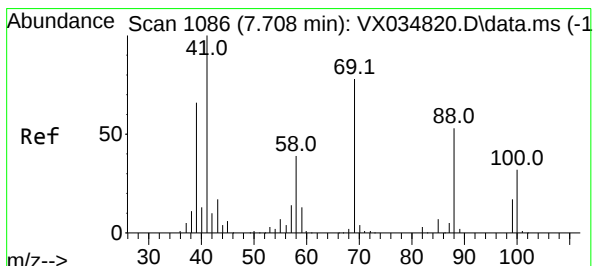
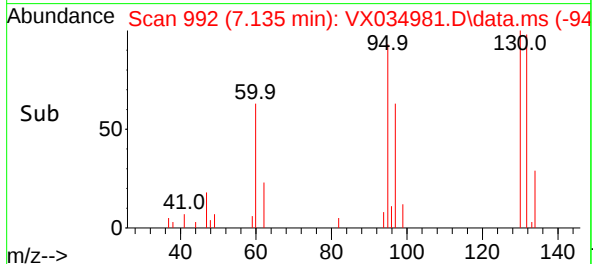
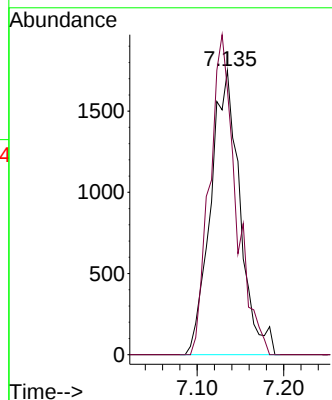
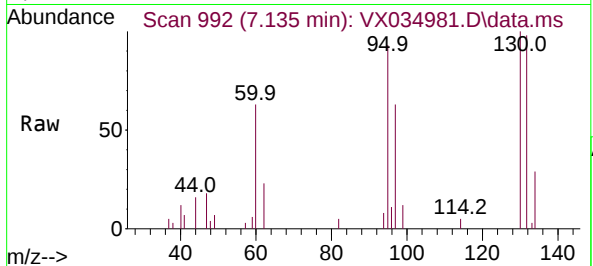




#44
Trichloroethene
Concen: 1.258 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX034981.D
Acq: 07 Apr 2023 20:03

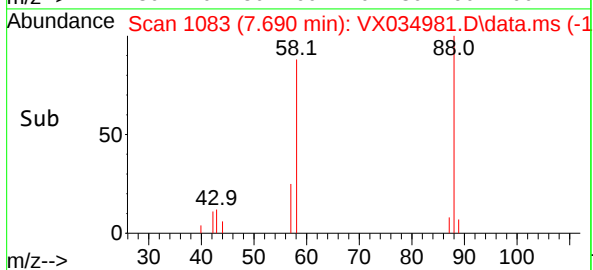
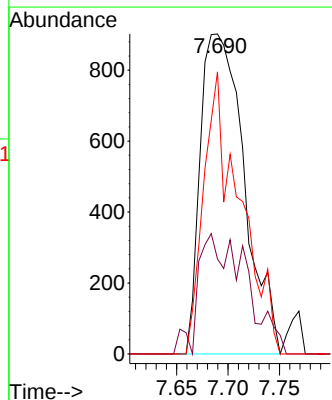
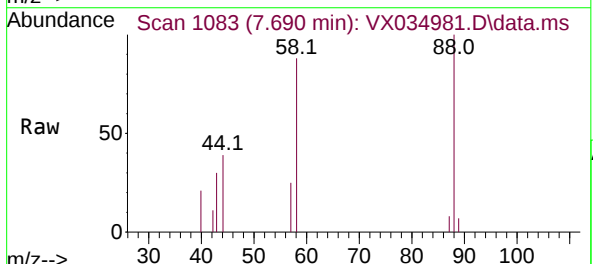
Instrument :
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ClientSampleId :
RW-121

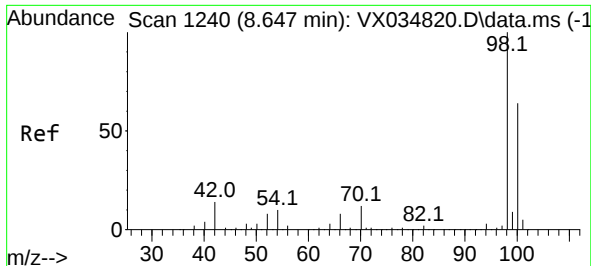
Tgt Ion:130 Resp: 4103
Ion Ratio Lower Upper
130 100
95 93.3 0.0 198.4



#49
1,4-Dioxane
Concen: 34.019 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.018 min
Lab File: VX034981.D
Acq: 07 Apr 2023 20:03

Tgt Ion: 88 Resp: 2681
Ion Ratio Lower Upper
88 100
43 21.1 27.7 41.5#
58 72.7 56.8 85.2

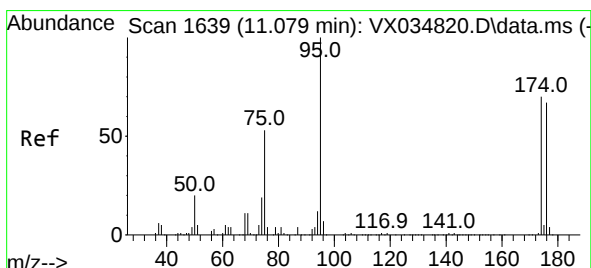
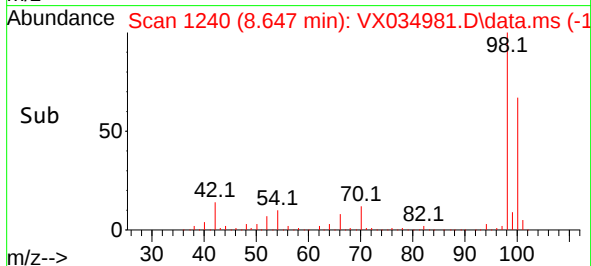
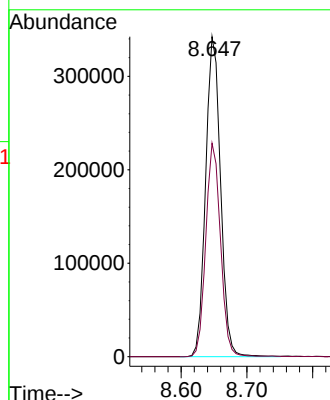
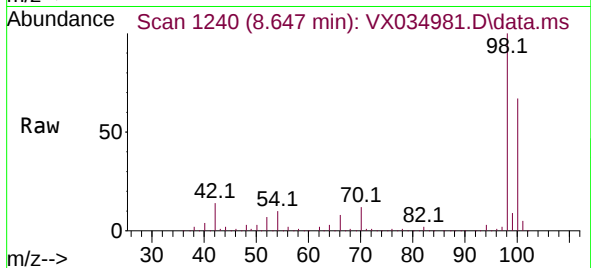




#50
Toluene-d8
Concen: 48.767 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034981.D
Acq: 07 Apr 2023 20:03

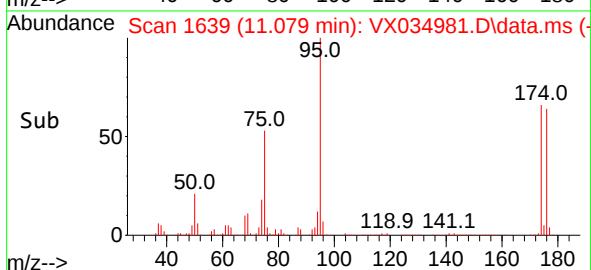
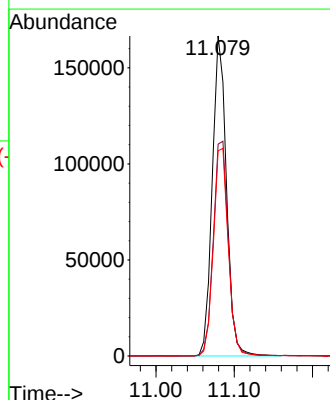
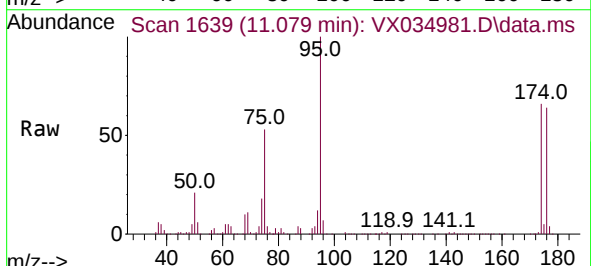
Instrument :
MSVOA_X
ClientSampleId :
RW-121

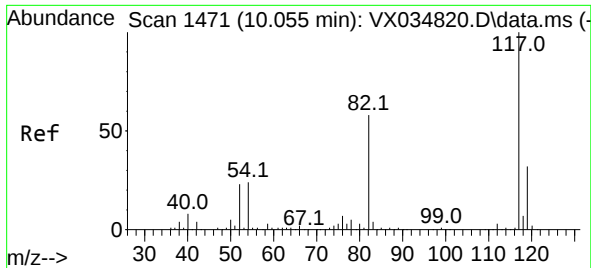
Tgt Ion: 98 Resp: 540823
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 48.756 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034981.D
Acq: 07 Apr 2023 20:03

Tgt Ion: 95 Resp: 209236
Ion Ratio Lower Upper
95 100
174 71.2 0.0 147.4
176 68.1 0.0 140.6

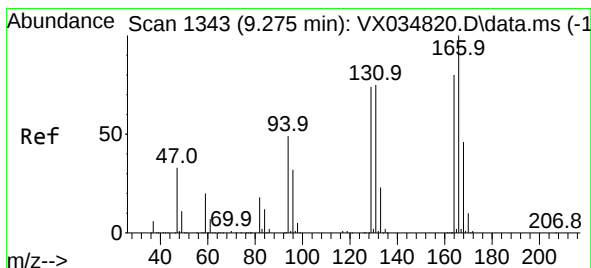
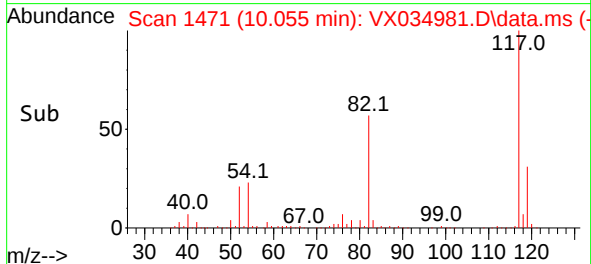
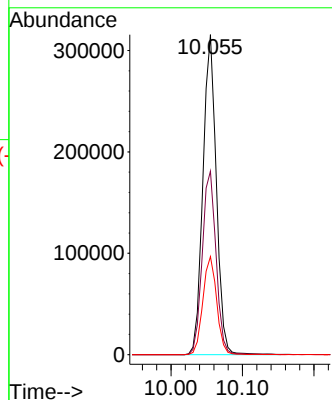
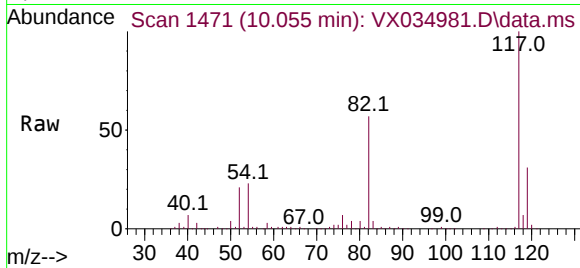




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034981.D
Acq: 07 Apr 2023 20:03

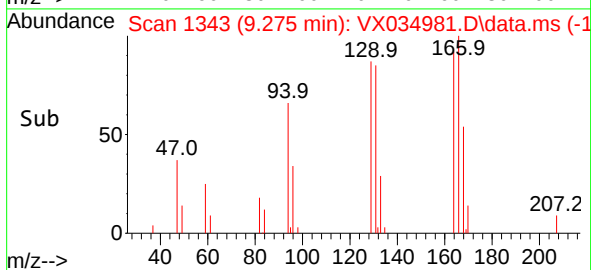
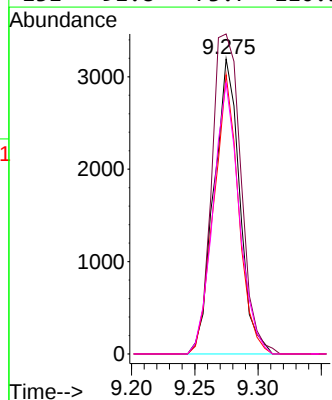
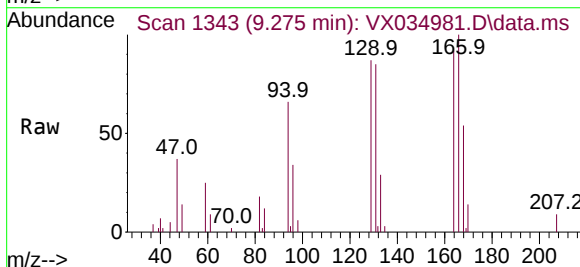
Instrument :
MSVOA_X
ClientSampleId :
RW-121

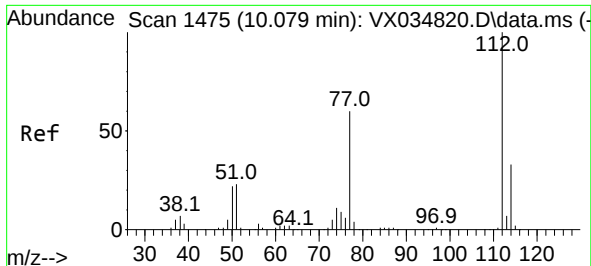
Tgt Ion:117 Resp: 410960
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.4
119 30.7 26.0 39.0



#64
Tetrachloroethene
Concen: 1.536 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX034981.D
Acq: 07 Apr 2023 20:03

Tgt Ion:164 Resp: 4517
Ion Ratio Lower Upper
164 100
166 108.5 102.7 154.1
129 94.7 75.6 113.4
131 91.8 73.7 110.5

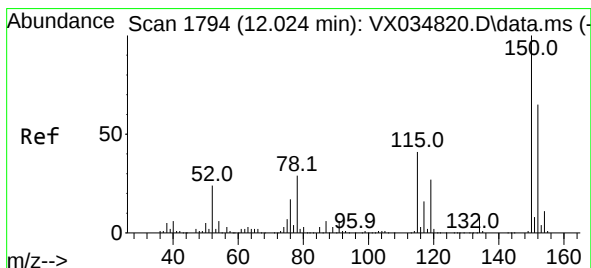
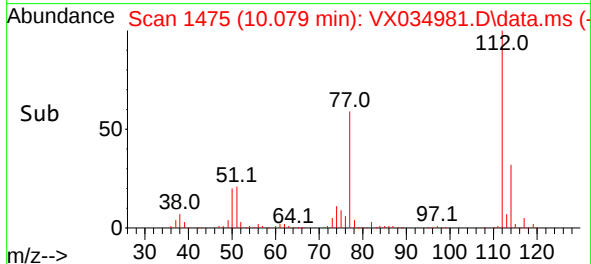
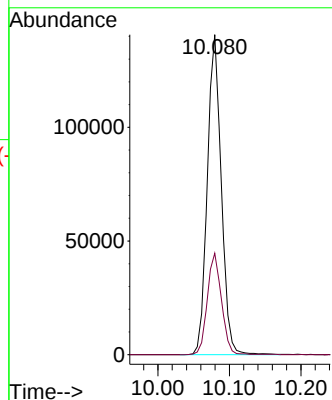
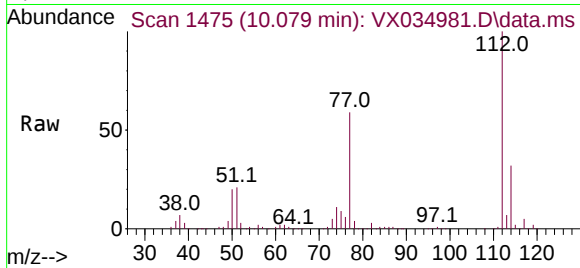




#65
Chlorobenzene
Concen: 22.317 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX034981.D
Acq: 07 Apr 2023 20:03

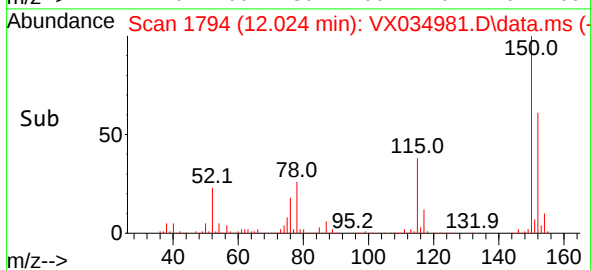
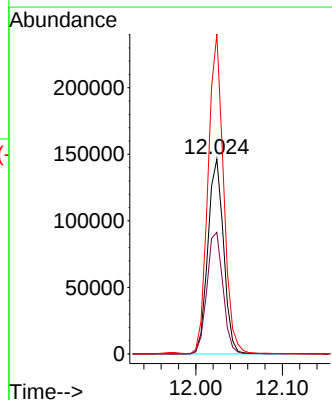
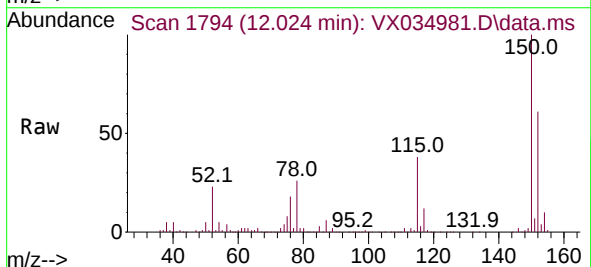
Instrument :
MSVOA_X
ClientSampleId :
RW-121

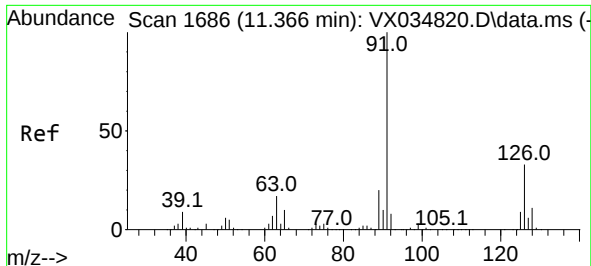
Tgt Ion:112 Resp: 190825
Ion Ratio Lower Upper
112 100
114 31.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034981.D
Acq: 07 Apr 2023 20:03

Tgt Ion:152 Resp: 184578
Ion Ratio Lower Upper
152 100
115 64.1 45.0 135.0
150 161.5 0.0 352.4

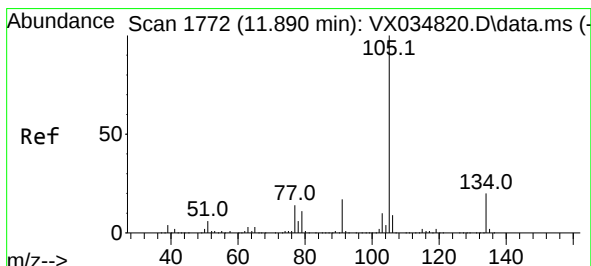
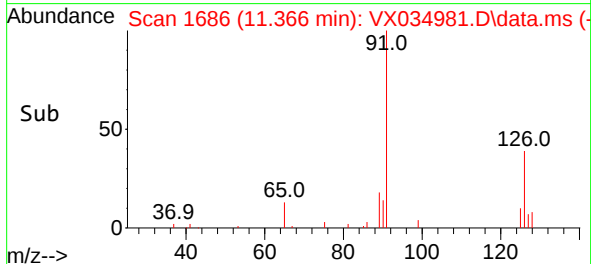
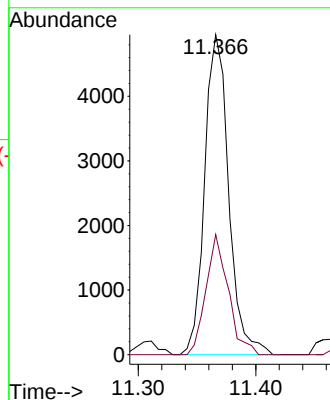
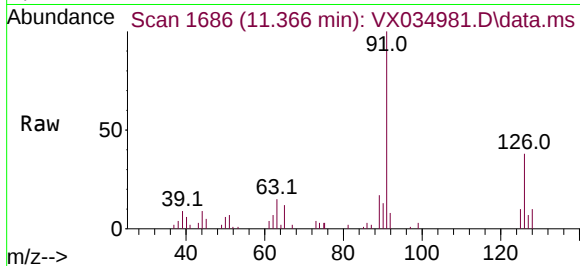




#79
2-Chlorotoluene
Concen: 0.715 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VX034981.D
Acq: 07 Apr 2023 20:03

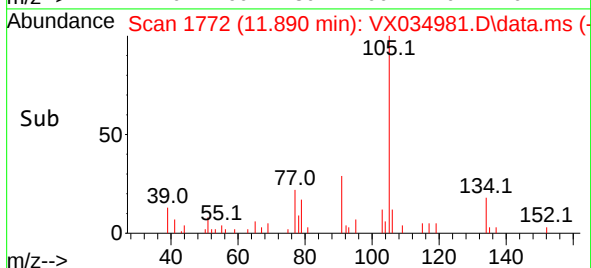
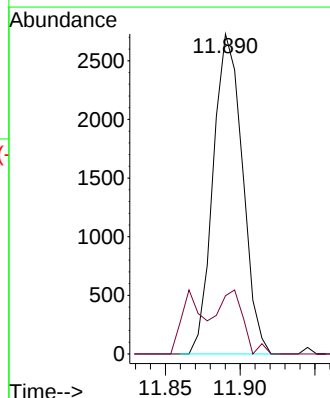
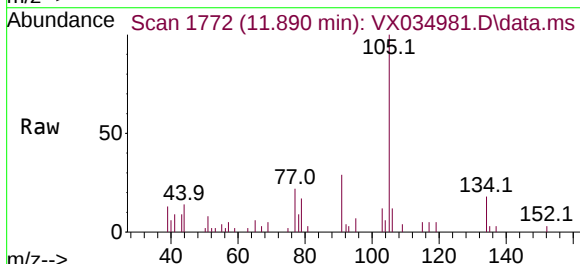
Instrument :
MSVOA_X
ClientSampleId :
RW-121

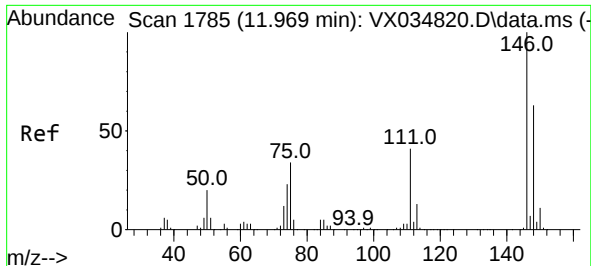
Tgt Ion: 91 Resp: 7049
Ion Ratio Lower Upper
91 100
126 34.9 16.3 48.9



#85
sec-Butylbenzene
Concen: 0.288 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX034981.D
Acq: 07 Apr 2023 20:03

Tgt Ion: 105 Resp: 3719
Ion Ratio Lower Upper
105 100
134 17.3 10.2 30.4

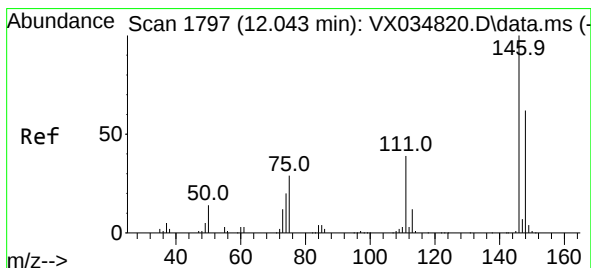
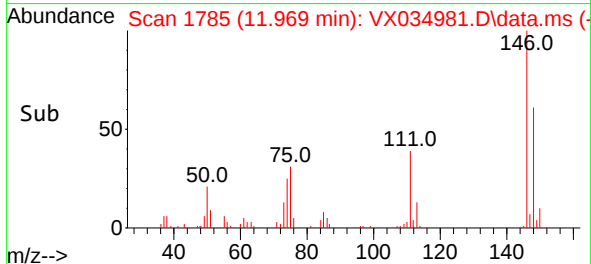
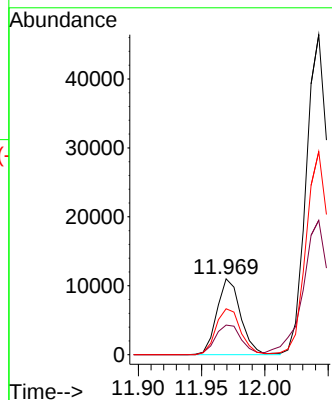
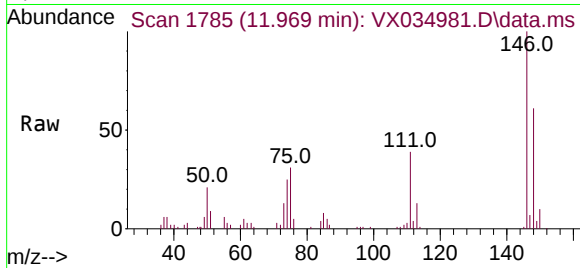




#87
1,3-Dichlorobenzene
Concen: 2.356 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX034981.D
Acq: 07 Apr 2023 20:03

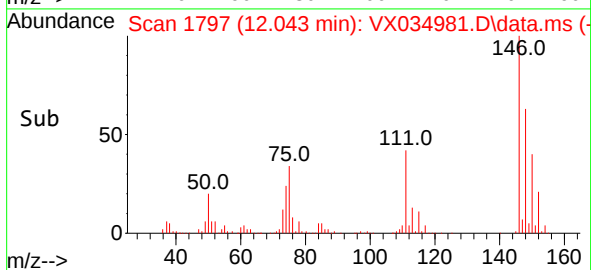
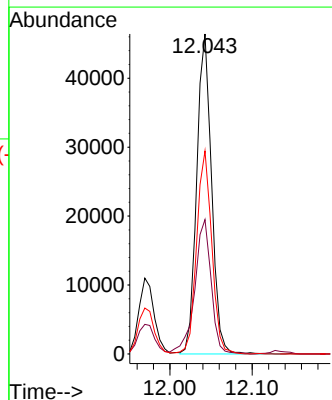
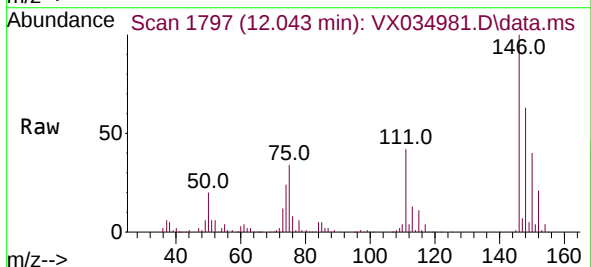
Instrument :
MSVOA_X
ClientSampleId :
RW-121

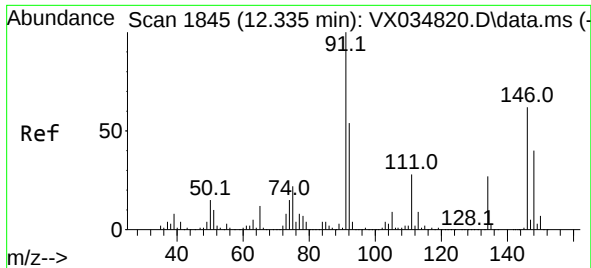
Tgt Ion:146 Resp: 14375
Ion Ratio Lower Upper
146 100
111 43.4 20.9 62.8
148 62.9 31.6 95.0



#88
1,4-Dichlorobenzene
Concen: 9.131 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX034981.D
Acq: 07 Apr 2023 20:03

Tgt Ion:146 Resp: 58185
Ion Ratio Lower Upper
146 100
111 46.6 20.6 61.9
148 64.8 31.8 95.4





#91
 1,2-Dichlorobenzene
 Concen: 4.811 ug/l
 RT: 12.335 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034981.D
 Acq: 07 Apr 2023 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-121

Tgt Ion:	146	Resp:	29395
Ion Ratio	Lower	Upper	
146	100		
111	46.0	22.0	66.0
148	64.9	32.0	96.0

