

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
 Data File : VX044408.D
 Acq On : 19 Dec 2024 02:57
 Operator : JC/MD
 Sample : P5317-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT158S1-20241217

Quant Time: Dec 19 05:09:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

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

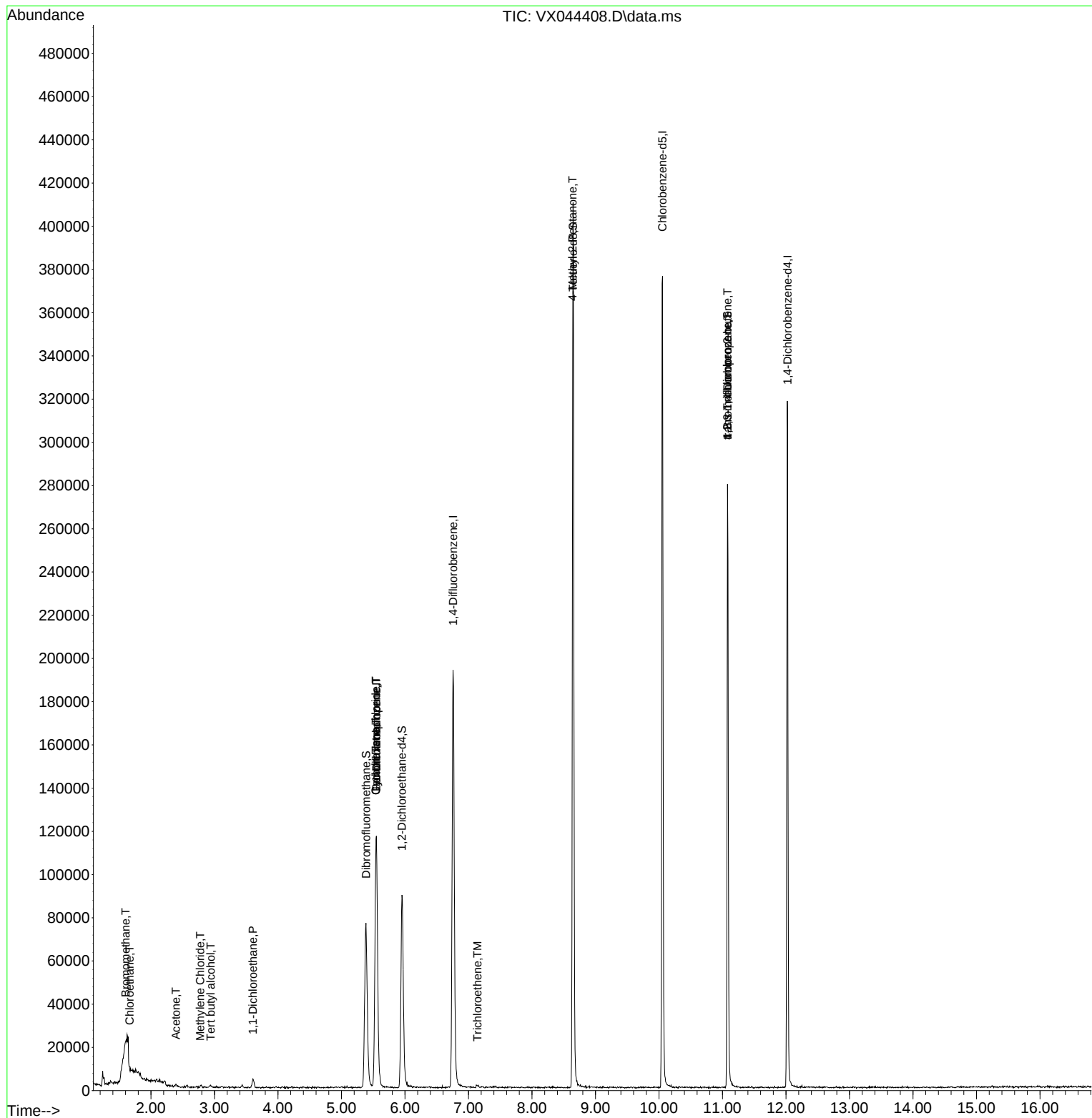
Internal Standards						
1) Pentafluorobenzene	5.550	168	107112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	197035	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	171282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85326	45.434	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.860%
35) Dibromofluoromethane	5.385	113	64525	47.283	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.560%
50) Toluene-d8	8.647	98	237364	51.557	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.120%
62) 4-Bromofluorobenzene	11.079	95	71738	44.593	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.180%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	270	0.231	ug/l #	20
6) Chloroethane	1.666	64	312	0.304	ug/l #	41
11) Tert butyl alcohol	2.941	59	376	1.421	ug/l #	71
16) Acetone	2.392	43	979	1.279	ug/l #	52
20) Methylene Chloride	2.776	84	453	0.315	ug/l #	78
24) 1,1-Dichloroethane	3.605	63	4471	1.781	ug/l #	92
31) Cyclohexane	5.544	56	2925	1.443	ug/l #	51
36) 1,1-Dichloropropene	5.550	75	9177	5.202	ug/l #	51
38) Carbon Tetrachloride	5.544	117	12363	6.510	ug/l #	16
44) Trichloroethene	7.141	130	431	0.323	ug/l	80
51) 4-Methyl-2-Pentanone	8.641	43	1122	0.512	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	39533	26.966	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	39533	74.229	ug/l #	4

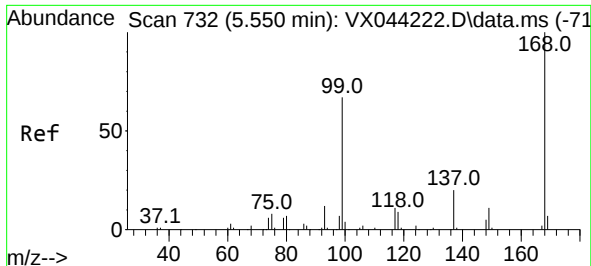
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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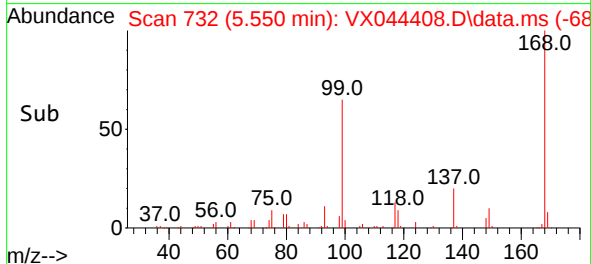
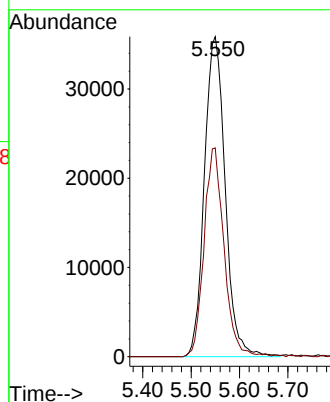
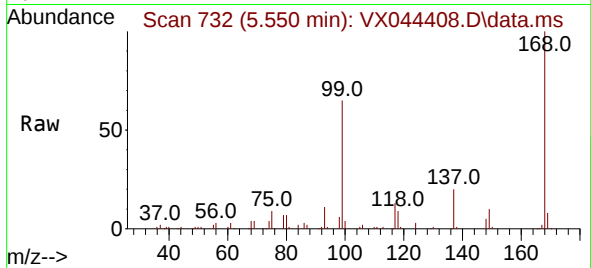




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

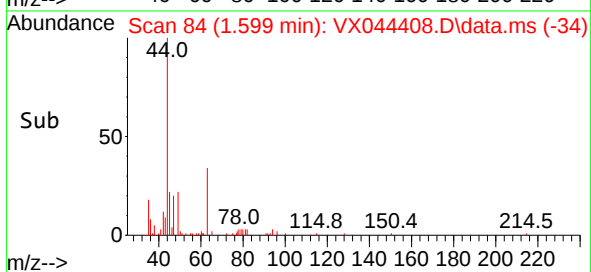
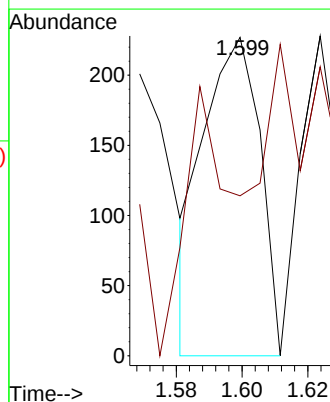
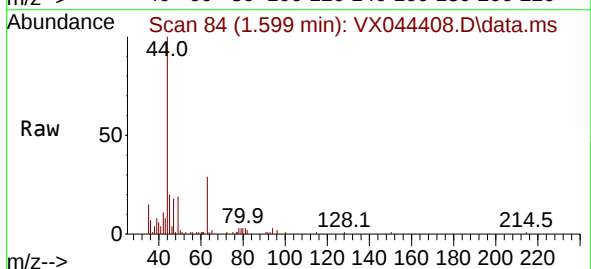
Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20241217

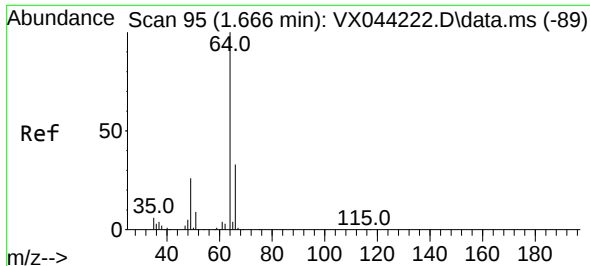
Tgt Ion:168 Resp: 107112
Ion Ratio Lower Upper
168 100
99 65.3 53.4 80.0



#5
Bromomethane
Concen: 0.231 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

Tgt Ion: 94 Resp: 270
Ion Ratio Lower Upper
94 100
96 16.3 74.9 112.3#

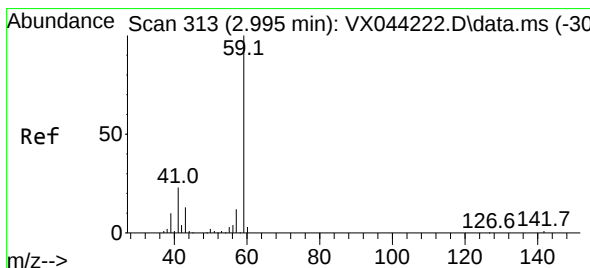
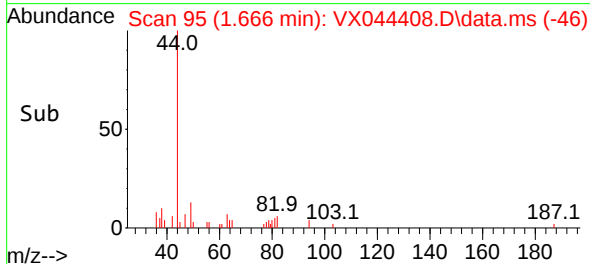
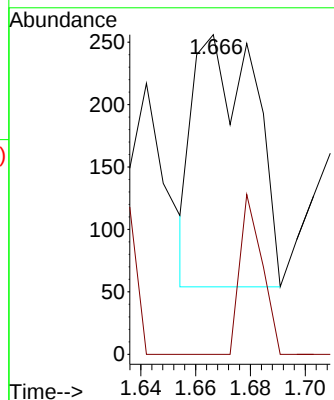
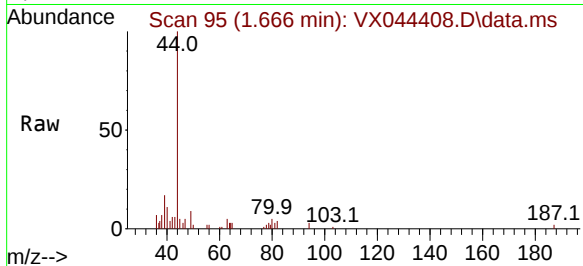




#6
Chloroethane
Concen: 0.304 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

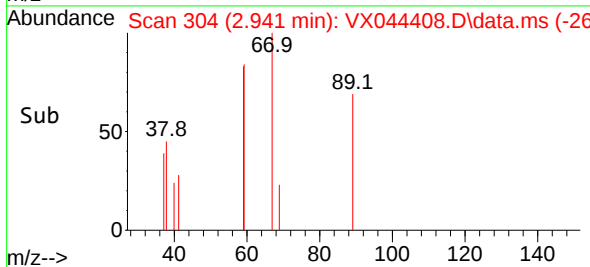
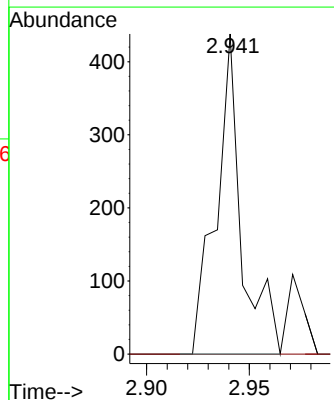
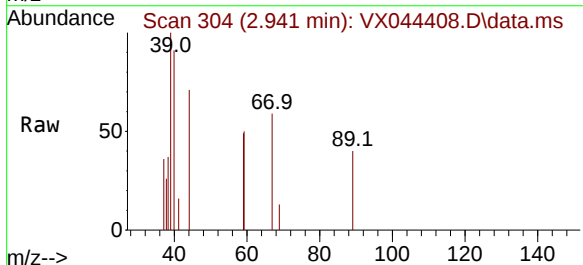
Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20241217

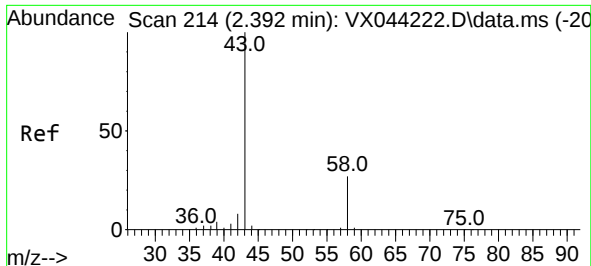
Tgt Ion: 64 Resp: 312
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: 1.421 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

Tgt Ion: 59 Resp: 376
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#





#16

Acetone

Concen: 1.279 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX044408.D

Acq: 19 Dec 2024 02:57

Instrument :

MSVOA_X

ClientSampleId :

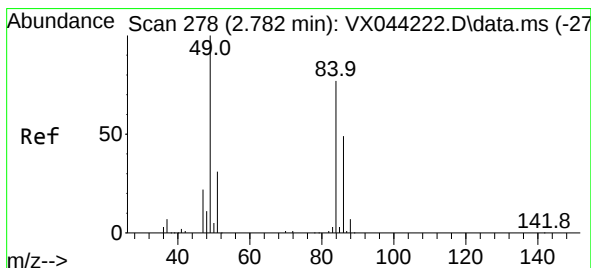
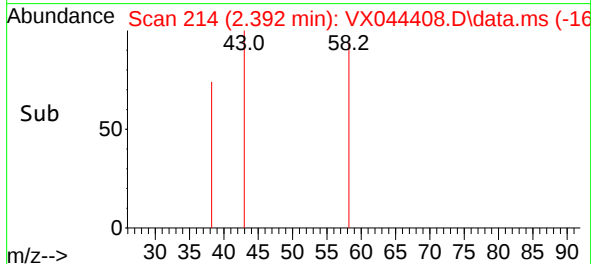
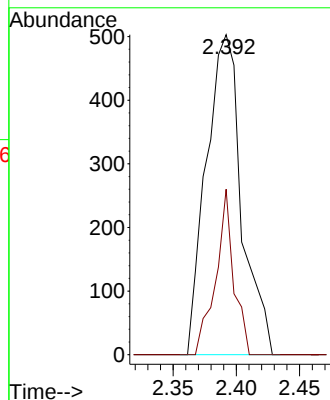
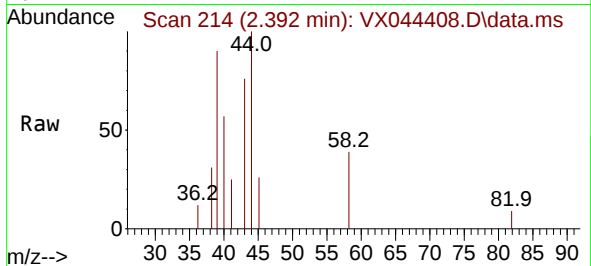
TT158S1-20241217

Tgt Ion: 43 Resp: 979

Ion Ratio Lower Upper

43 100

58 51.7 21.6 32.4#



#20

Methylene Chloride

Concen: 0.315 ug/l

RT: 2.776 min Scan# 277

Delta R.T. -0.006 min

Lab File: VX044408.D

Acq: 19 Dec 2024 02:57

Tgt Ion: 84 Resp: 453

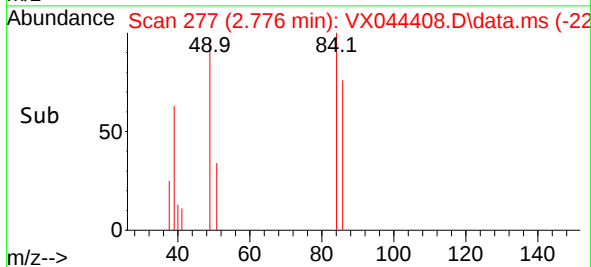
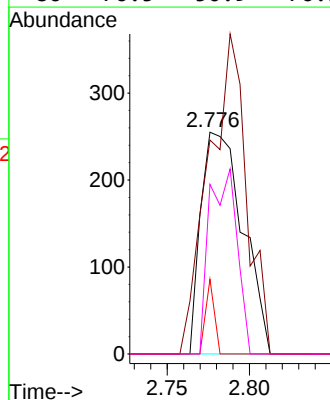
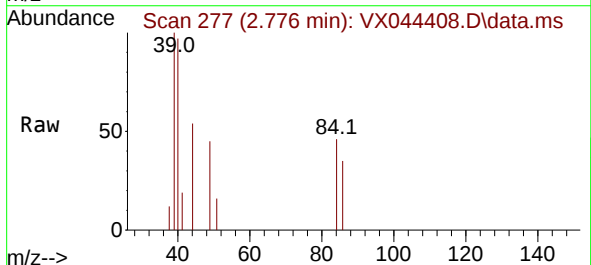
Ion Ratio Lower Upper

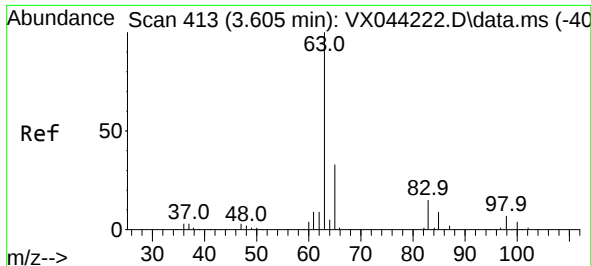
84 100

49 96.5 104.2 156.4#

51 33.7 32.2 48.4

86 76.5 50.9 76.3#

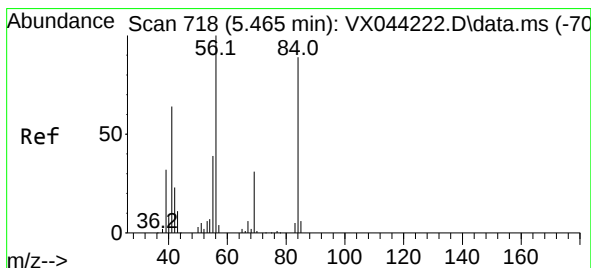
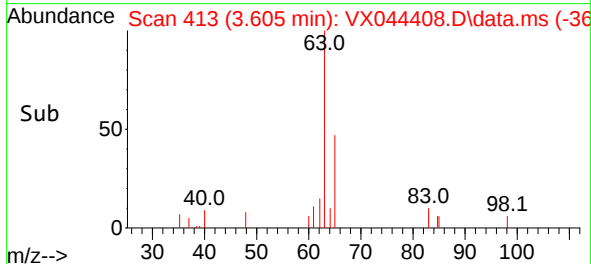
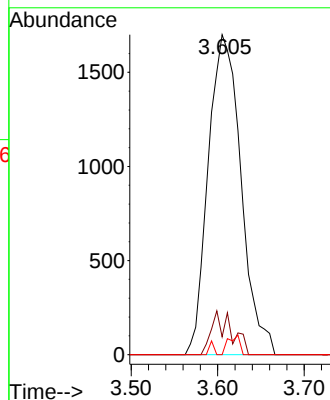
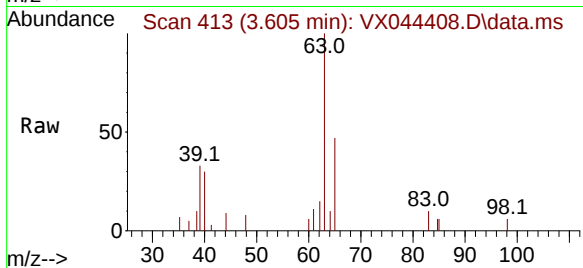




#24
1,1-Dichloroethane
Concen: 1.781 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

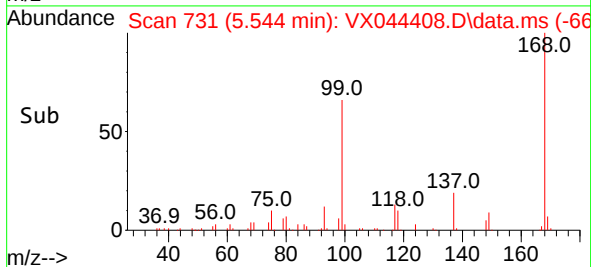
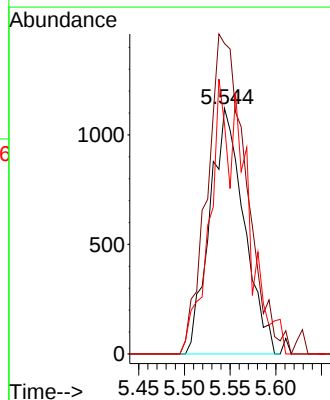
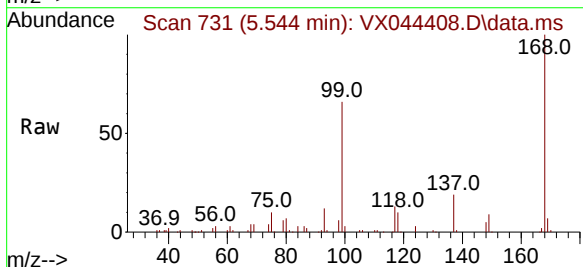
Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20241217

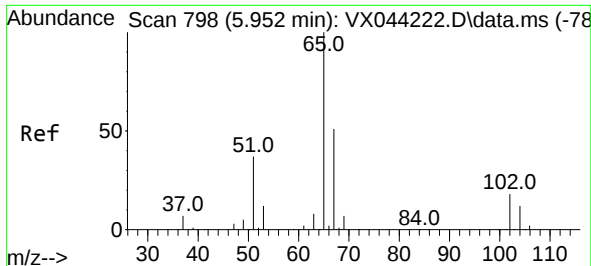
Tgt Ion: 63 Resp: 4471
Ion Ratio Lower Upper
63 100
98 5.6 3.6 10.8
100 0.0 2.1 6.3#



#31
Cyclohexane
Concen: 1.443 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

Tgt Ion: 56 Resp: 2925
Ion Ratio Lower Upper
56 100
69 126.4 24.7 37.1#
84 93.7 71.0 106.6





#33

1,2-Dichloroethane-d4

Concen: 45.434 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX044408.D

Acq: 19 Dec 2024 02:57

Instrument :

MSVOA_X

ClientSampleId :

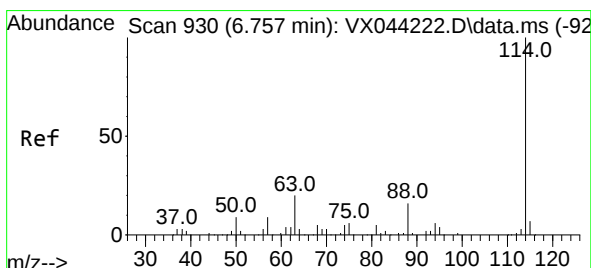
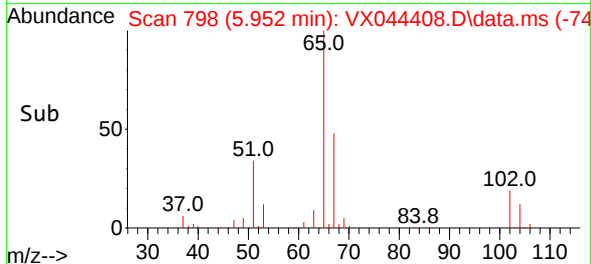
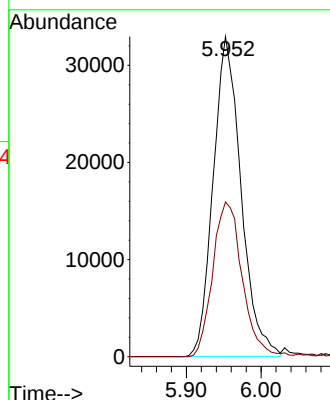
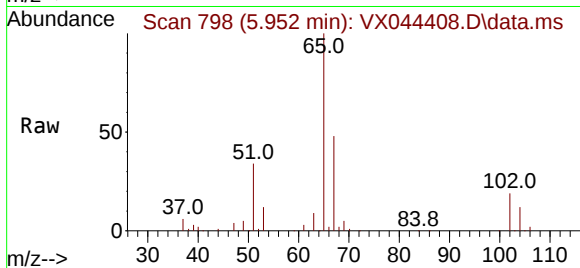
TT158S1-20241217

Tgt Ion: 65 Resp: 85326

Ion Ratio Lower Upper

65 100

67 51.2 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044408.D

Acq: 19 Dec 2024 02:57

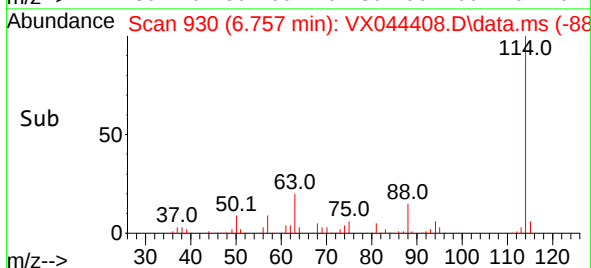
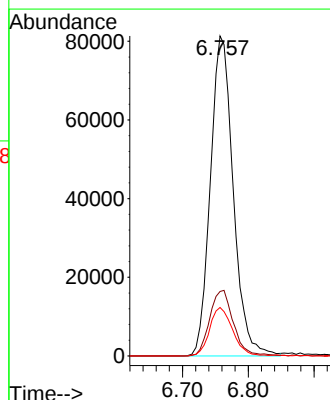
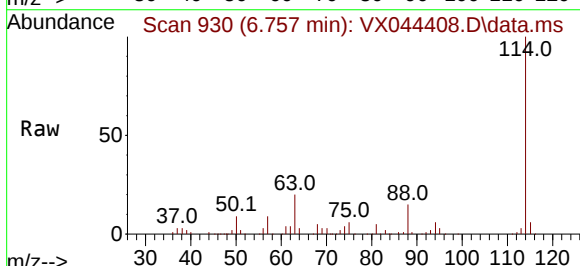
Tgt Ion: 114 Resp: 197035

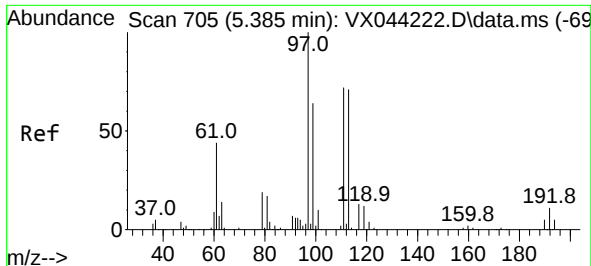
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.6

88 15.1 0.0 31.8

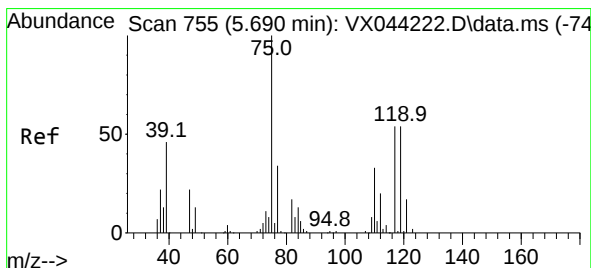
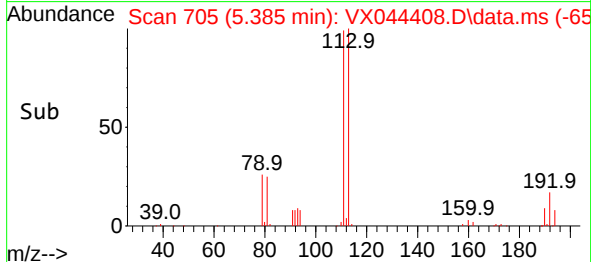
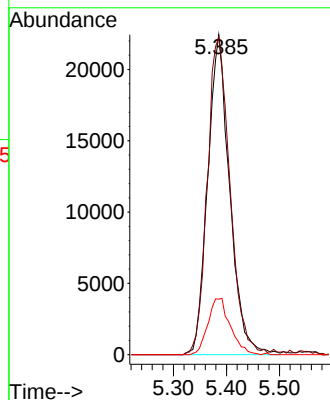
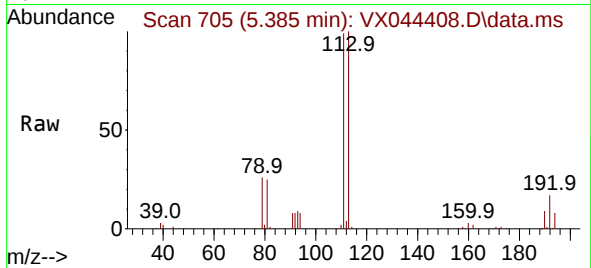




#35
Dibromofluoromethane
Concen: 47.283 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

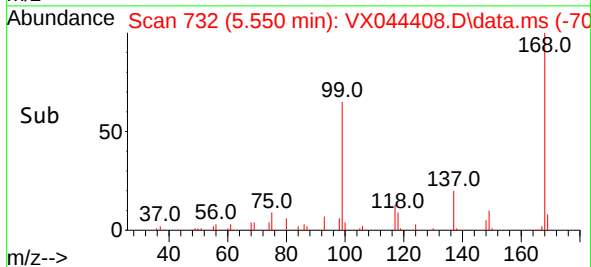
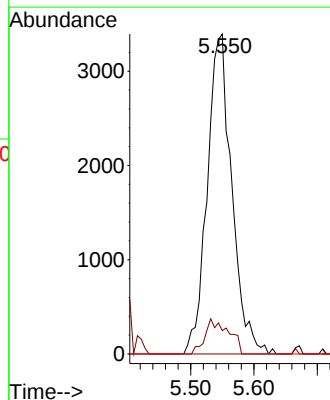
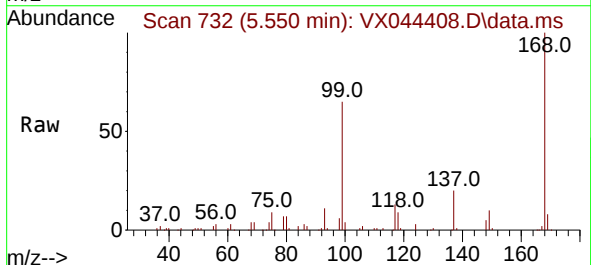
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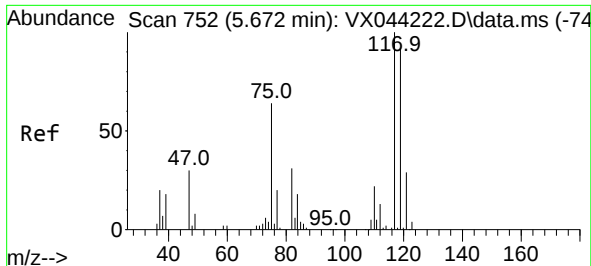
Tgt Ion:113 Resp: 64525
Ion Ratio Lower Upper
113 100
111 102.3 80.4 120.6
192 18.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.202 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

Tgt Ion: 75 Resp: 9177
Ion Ratio Lower Upper
75 100
110 10.5 17.3 51.7#
77 0.0 25.4 38.0#

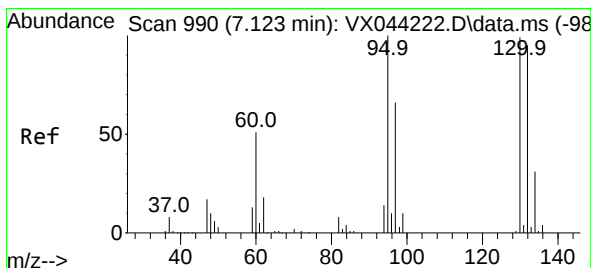
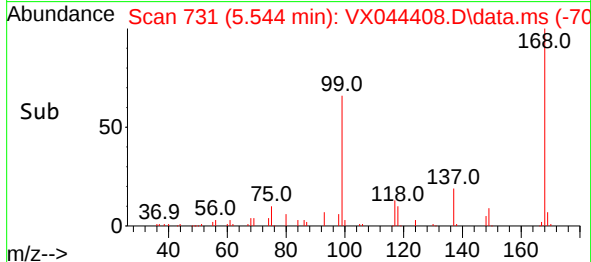
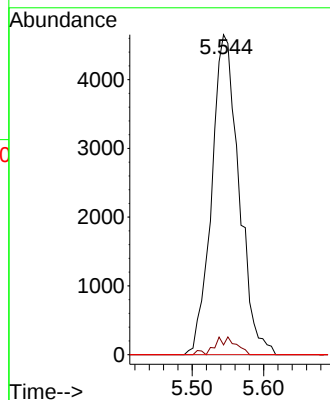
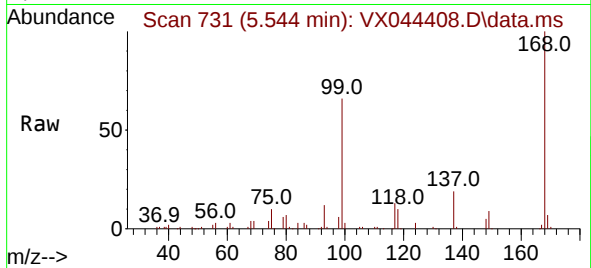




#38
Carbon Tetrachloride
Concen: 6.510 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

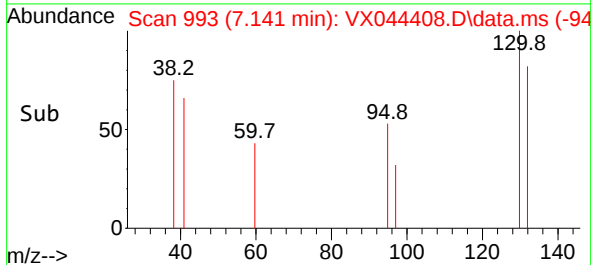
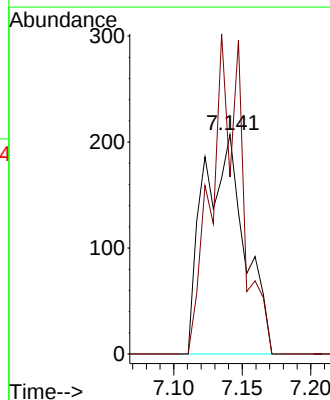
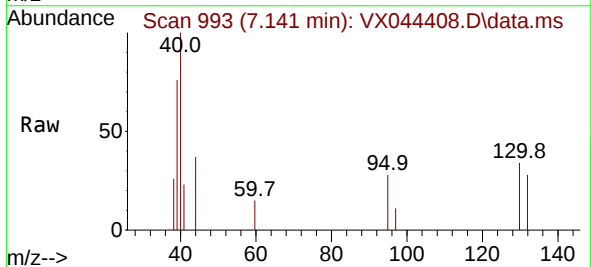
Instrument :
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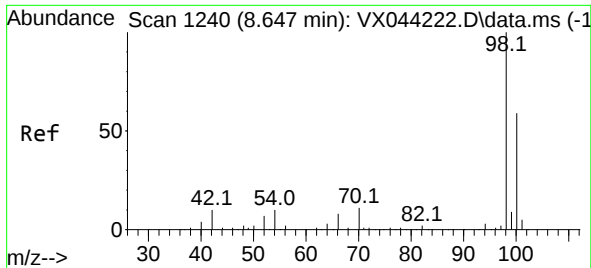
Tgt Ion:117 Resp: 12363
Ion Ratio Lower Upper
117 100
119 3.0 74.2 111.4#
121 0.0 23.0 34.6#



#44
Trichloroethene
Concen: 0.323 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.018 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

Tgt Ion:130 Resp: 431
Ion Ratio Lower Upper
130 100
95 80.7 0.0 201.4

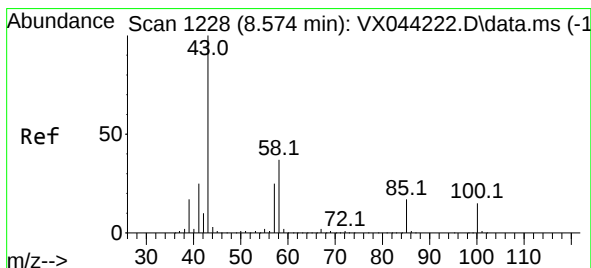
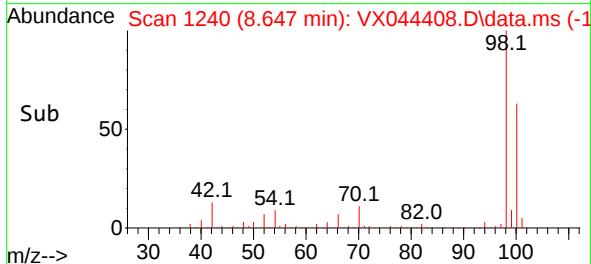
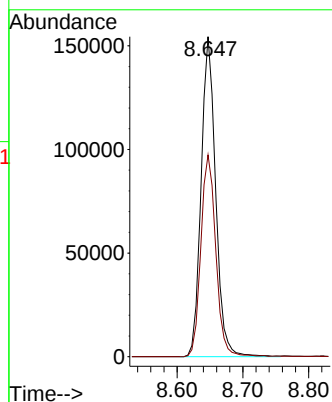
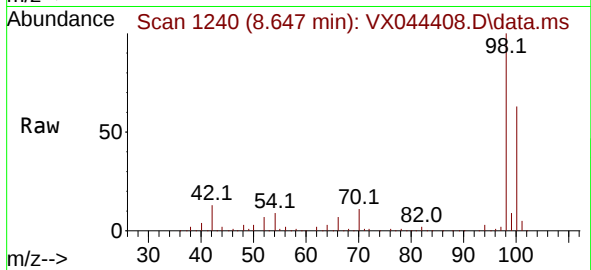




#50
Toluene-d8
Concen: 51.557 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

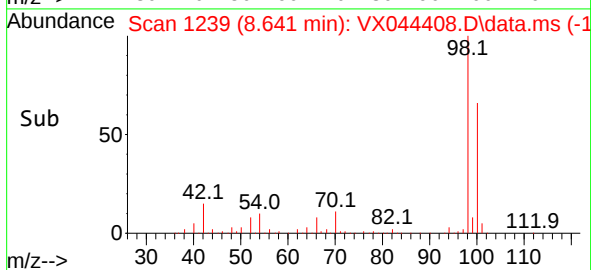
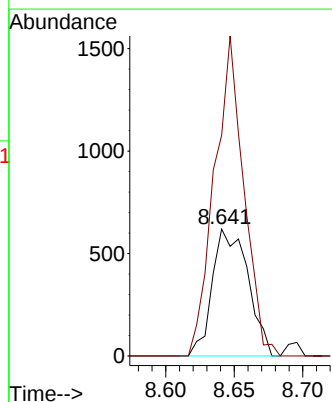
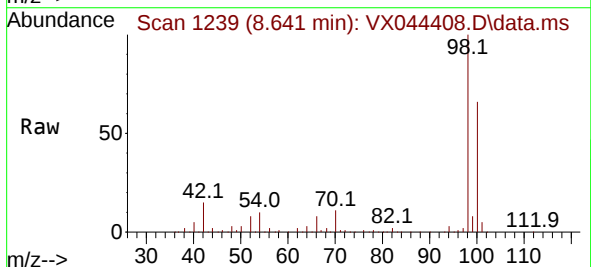
Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20241217

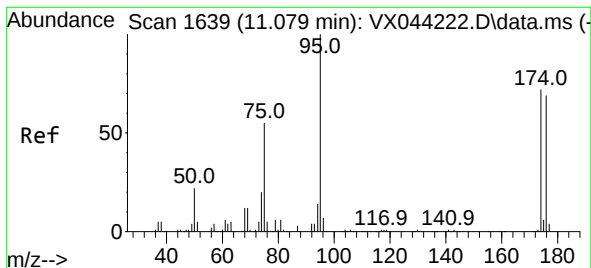
Tgt Ion: 98 Resp: 237364
Ion Ratio Lower Upper
98 100
100 64.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.512 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

Tgt Ion: 43 Resp: 1122
Ion Ratio Lower Upper
43 100
58 207.3 29.4 44.0#

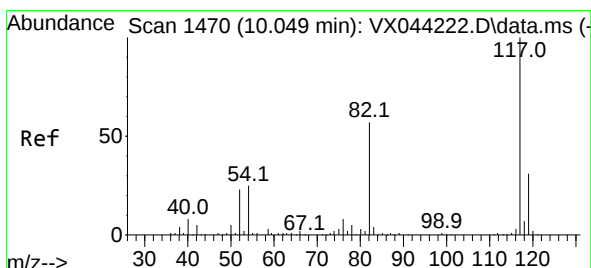
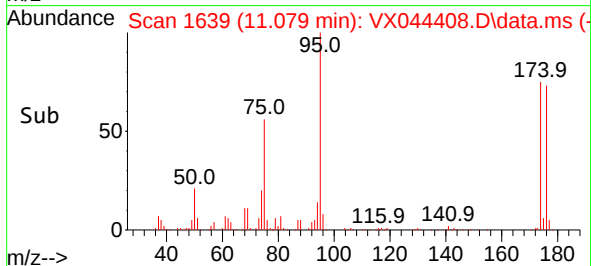
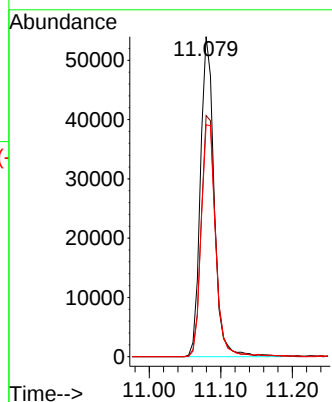
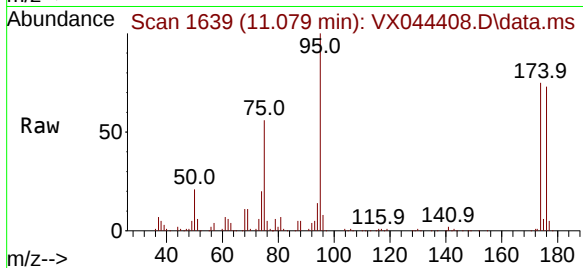




#62
4-Bromofluorobenzene
Concen: 44.593 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

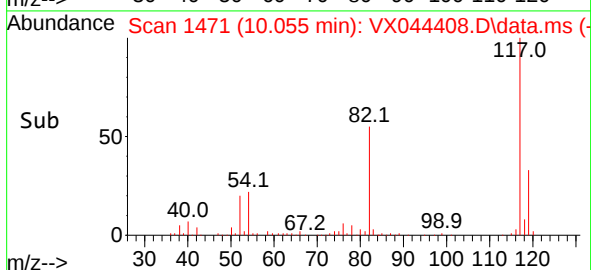
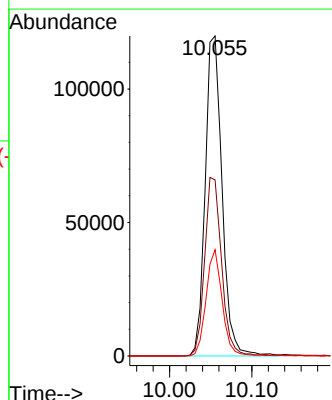
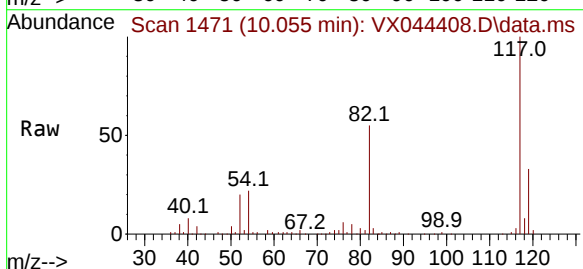
Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20241217

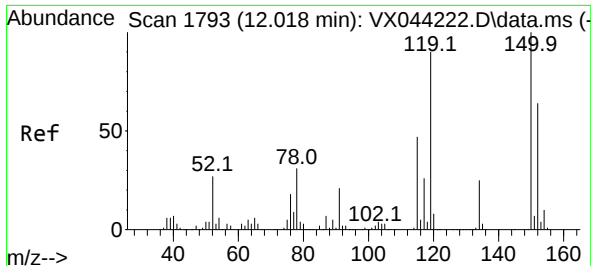
Tgt Ion: 95 Resp: 71738
Ion Ratio Lower Upper
95 100
174 79.2 0.0 145.8
176 76.9 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

Tgt Ion: 117 Resp: 171282
Ion Ratio Lower Upper
117 100
82 55.0 45.8 68.8
119 33.2 25.0 37.4

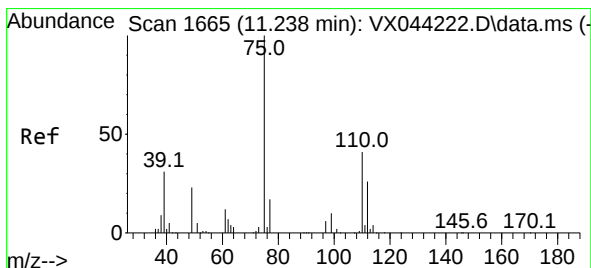
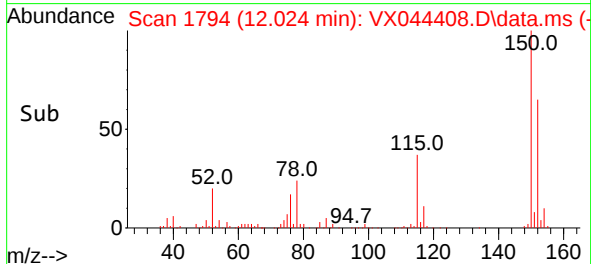
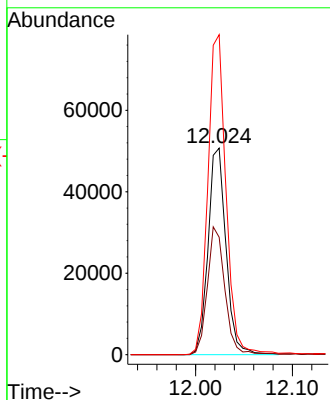
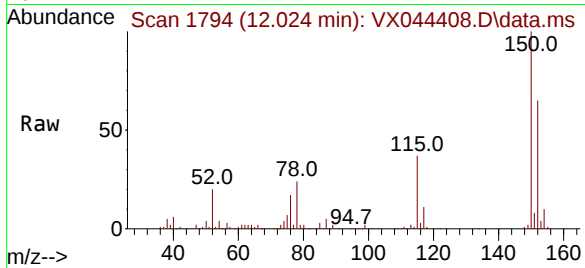




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX044408.D
 Acq: 19 Dec 2024 02:57

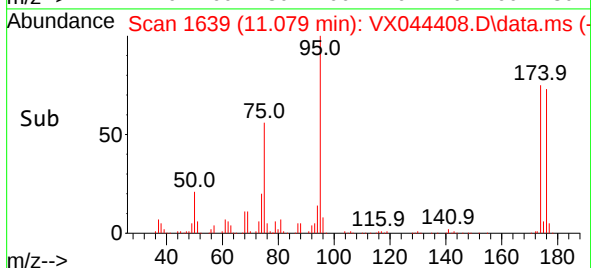
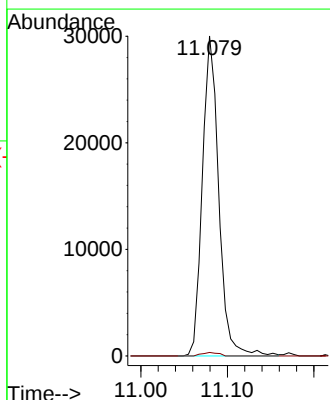
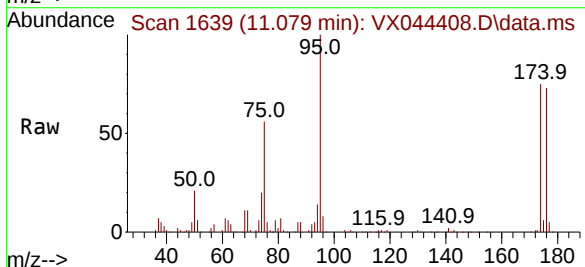
Instrument :
 MSVOA_X
 ClientSampleId :
 TT158S1-20241217

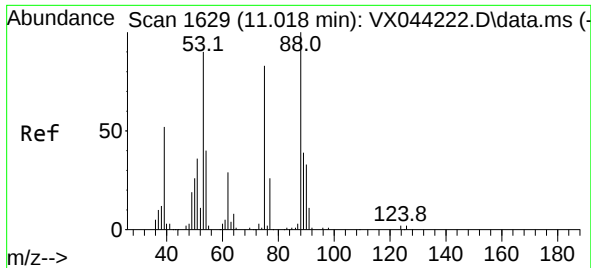
Tgt Ion:152 Resp: 65660
 Ion Ratio Lower Upper
 152 100
 115 60.3 44.5 133.3
 150 156.9 0.0 353.8



#76
 1,2,3-Trichloropropane
 Concen: 26.966 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX044408.D
 Acq: 19 Dec 2024 02:57

Tgt Ion: 75 Resp: 39533
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.9 62.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.229 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044408.D
 Acq: 19 Dec 2024 02:57

Instrument :
 MSVOA_X
 ClientSampleId :
 TT158S1-20241217

Tgt Ion: 75 Resp: 39533
 Ion Ratio Lower Upper
 75 100
 53 0.0 93.6 140.4#
 89 0.1 37.3 55.9#

