

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052423\
 Data File : VX035834.D
 Acq On : 24 May 2023 14:28
 Operator : JC/MD
 Sample : 02911-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT162S1-20230522

Quant Time: May 25 05:31:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

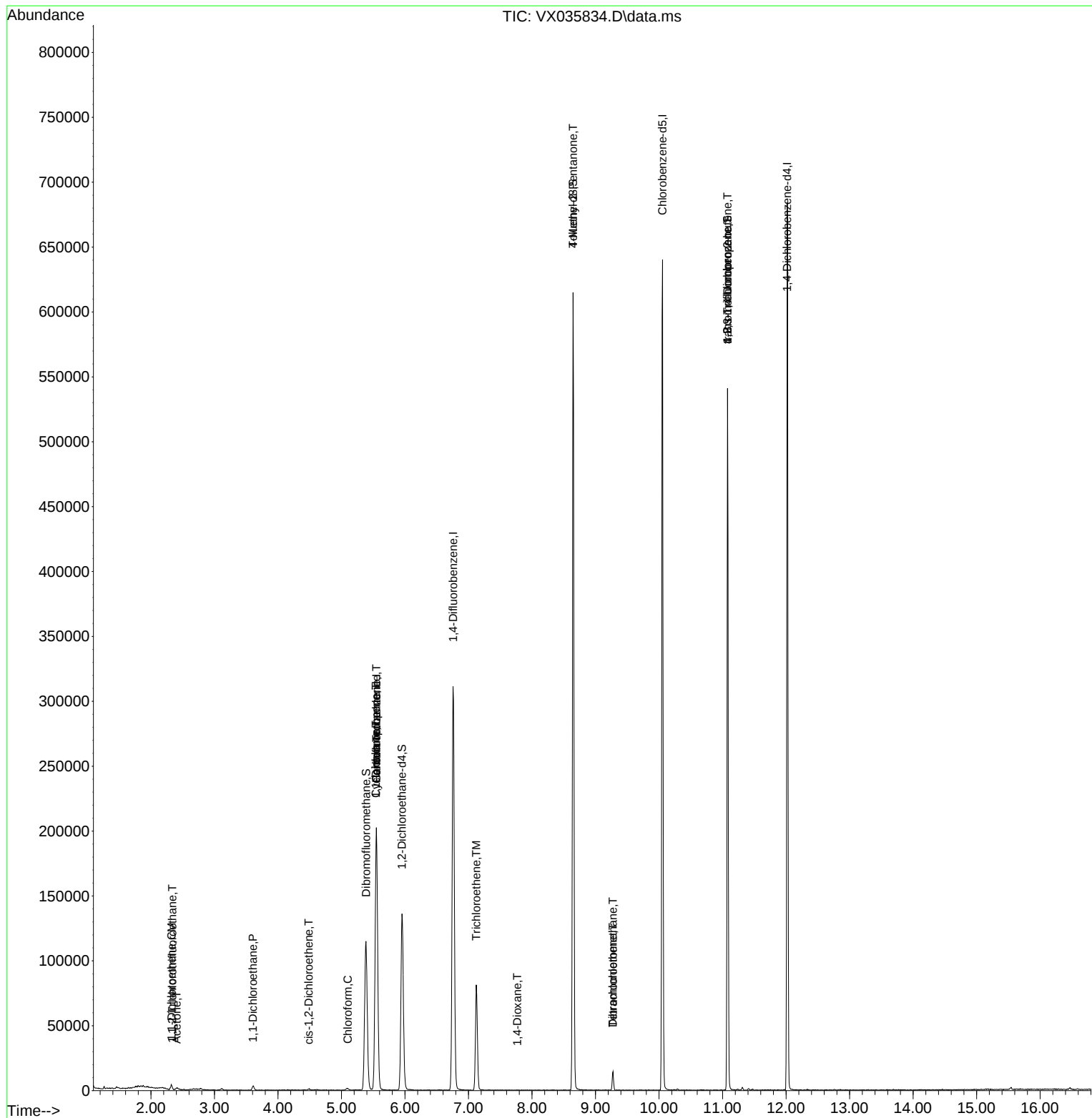
Internal Standards						
1) Pentafluorobenzene	5.550	168	183380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	308873	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	272435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	131760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	129162	40.374	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	80.740%
35) Dibromofluoromethane	5.385	113	99059	47.555	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.120%
50) Toluene-d8	8.647	98	344905	44.821	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.640%#
62) 4-Bromofluorobenzene	11.079	95	136581	44.081	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.160%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.337	101	492	0.229	ug/l #	83
12) 1,1-Dichloroethene	2.325	96	898	0.440	ug/l	91
16) Acetone	2.404	43	2489	1.810	ug/l #	80
24) 1,1-Dichloroethane	3.605	63	3773	0.824	ug/l #	90
27) cis-1,2-Dichloroethene	4.483	96	566	0.210	ug/l	80
30) Chloroform	5.099	83	1602	0.341	ug/l	89
31) Cyclohexane	5.544	56	4284	1.060	ug/l #	12
36) 1,1-Dichloropropene	5.544	75	15851	4.821	ug/l #	50
38) Carbon Tetrachloride	5.550	117	19414	6.233	ug/l #	16
44) Trichloroethene	7.123	130	29604	12.693	ug/l	94
49) 1,4-Dioxane	7.769	88	19	2.291	ug/l #	1
51) 4-Methyl-2-Pentanone	8.647	43	1701	0.494	ug/l #	1
60) Dibromochloromethane	9.275	129	2206	1.015	ug/l #	10
64) Tetrachloroethene	9.275	164	2209	1.204	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	71661	22.235	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	71661	71.660	ug/l #	8

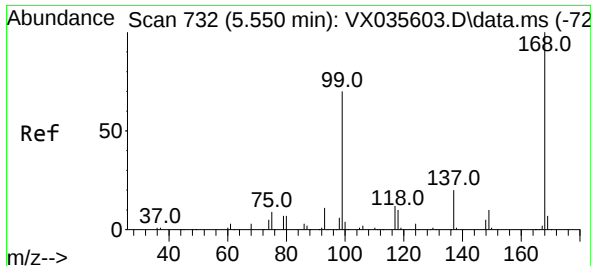
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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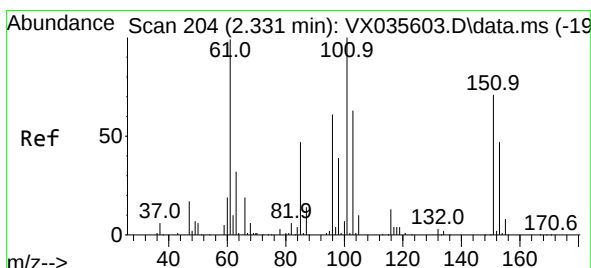
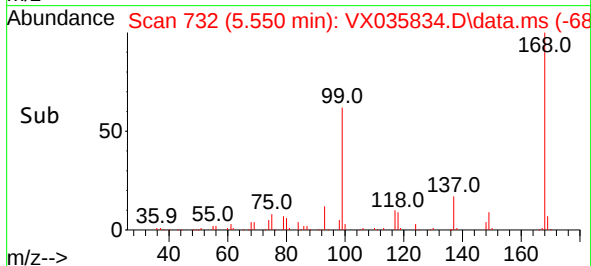
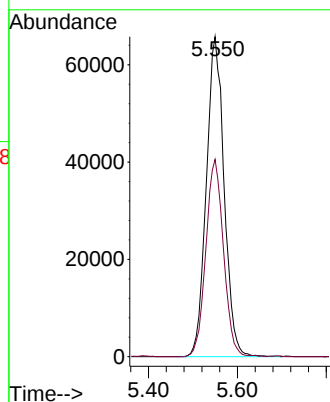
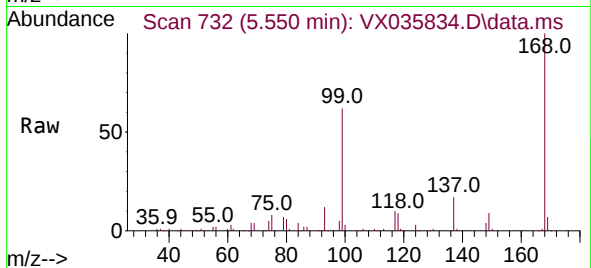




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035834.D
Acq: 24 May 2023 14:28

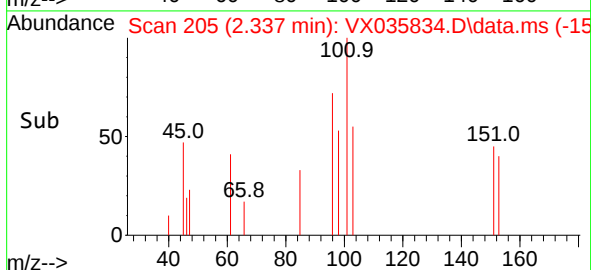
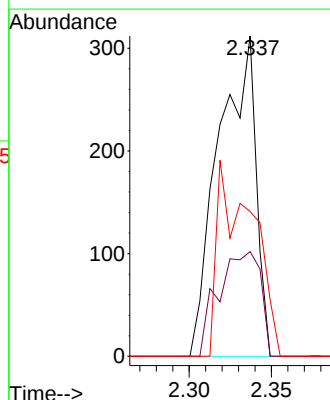
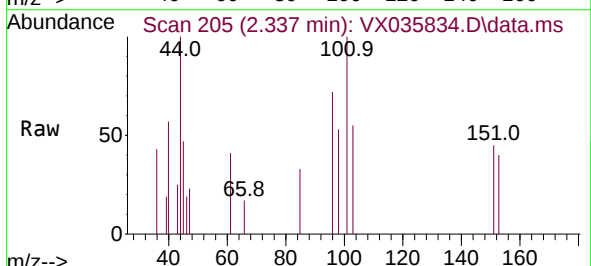
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20230522

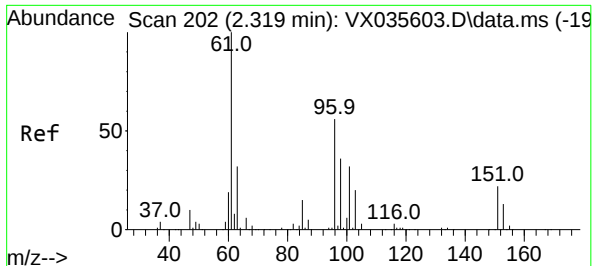
Tgt Ion:168 Resp: 183380
Ion Ratio Lower Upper
168 100
99 61.6 45.7 68.5



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.229 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX035834.D
Acq: 24 May 2023 14:28

Tgt Ion:101 Resp: 492
Ion Ratio Lower Upper
101 100
85 36.8 35.4 53.2
151 58.1 60.2 90.4#





#12

1,1-Dichloroethene

Concen: 0.440 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX035834.D

Acq: 24 May 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

TT162S1-20230522

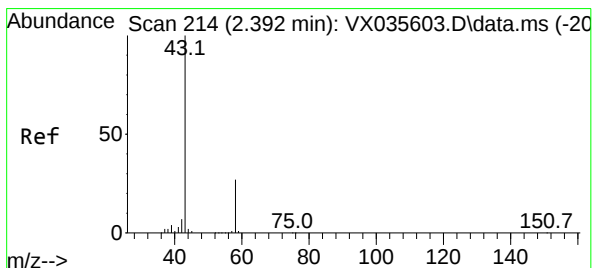
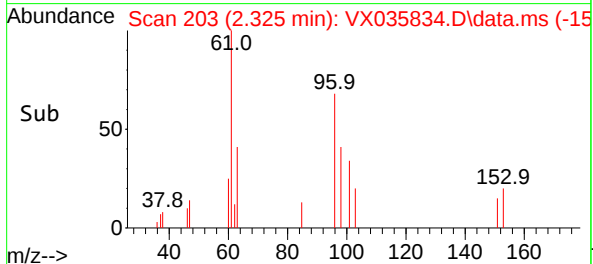
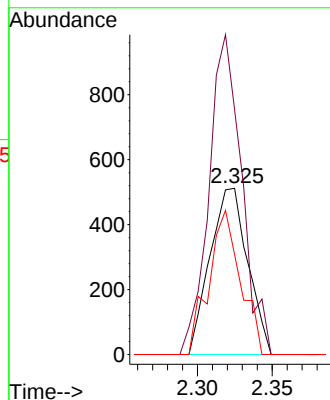
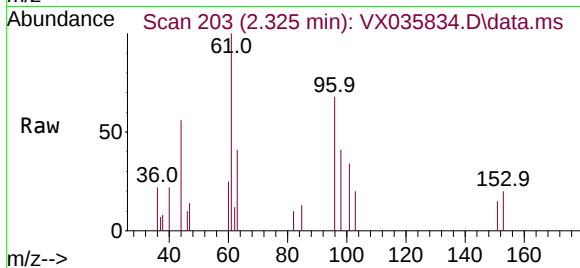
Tgt Ion: 96 Resp: 898

Ion Ratio Lower Upper

96 100

61 147.3 128.8 193.2

98 60.2 51.4 77.0



#16

Acetone

Concen: 1.810 ug/l

RT: 2.404 min Scan# 216

Delta R.T. 0.012 min

Lab File: VX035834.D

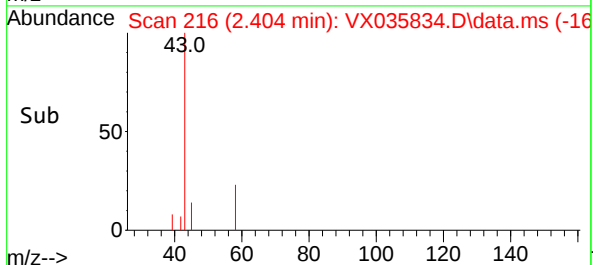
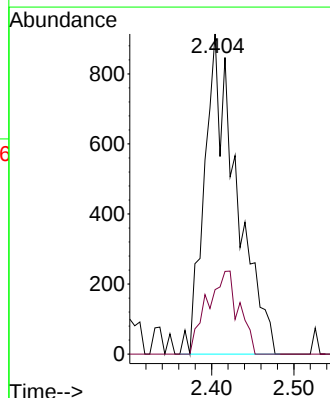
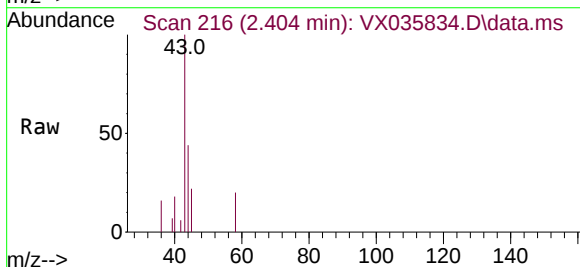
Acq: 24 May 2023 14:28

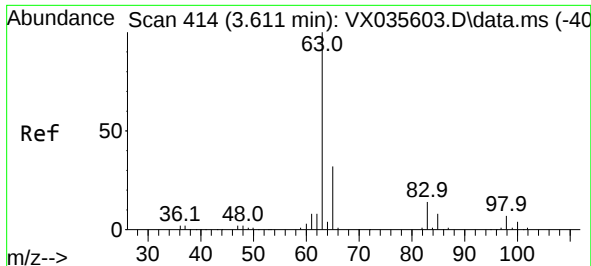
Tgt Ion: 43 Resp: 2489

Ion Ratio Lower Upper

43 100

58 20.1 24.7 37.1#

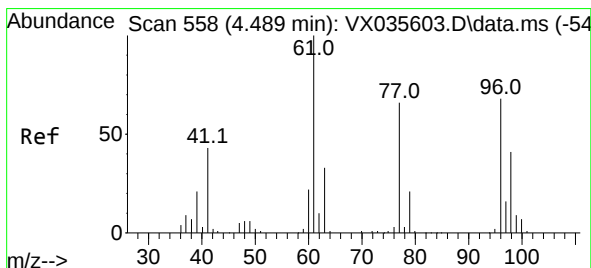
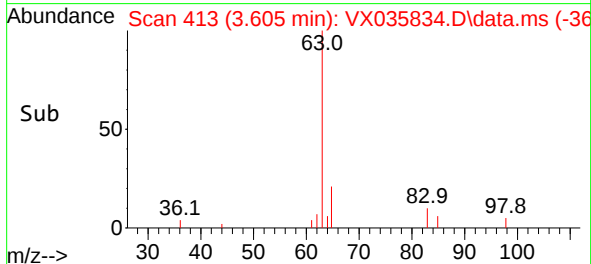
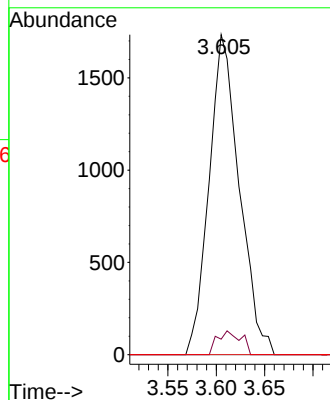
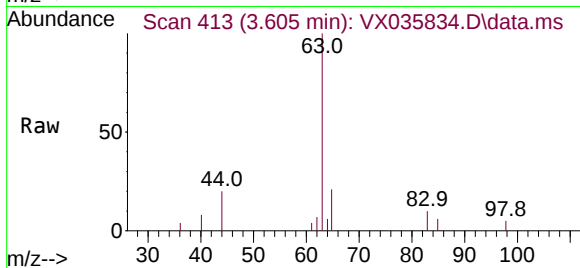




#24
 1,1-Dichloroethane
 Concen: 0.824 ug/l
 RT: 3.605 min Scan# 414
 Delta R.T. -0.006 min
 Lab File: VX035834.D
 Acq: 24 May 2023 14:28

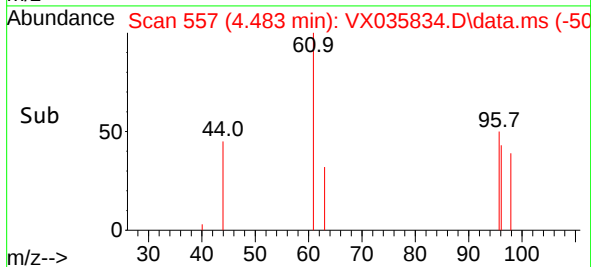
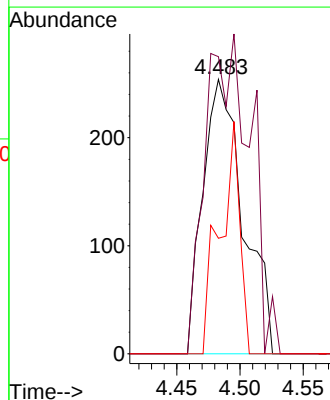
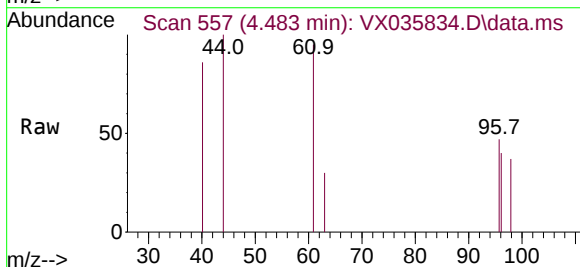
Instrument :
 MSVOA_X
 ClientSampleId :
 TT162S1-20230522

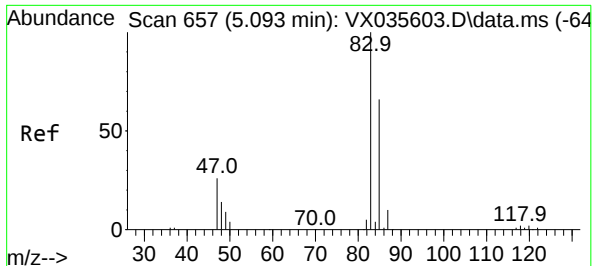
Tgt Ion: 63 Resp: 3773
 Ion Ratio Lower Upper
 63 100
 98 4.8 3.8 11.2
 100 0.0 2.4 7.1#



#27
 cis-1,2-Dichloroethene
 Concen: 0.210 ug/l
 RT: 4.483 min Scan# 557
 Delta R.T. -0.006 min
 Lab File: VX035834.D
 Acq: 24 May 2023 14:28

Tgt Ion: 96 Resp: 566
 Ion Ratio Lower Upper
 96 100
 61 129.9 0.0 300.4
 98 41.7 0.0 129.0





#30

Chloroform

Concen: 0.341 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX035834.D

Acq: 24 May 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

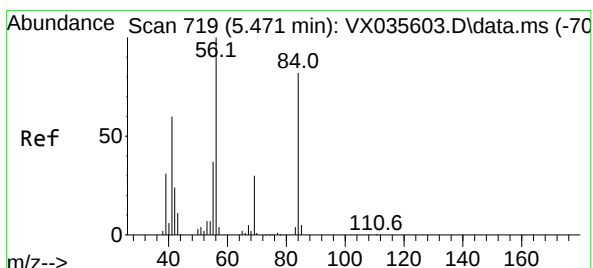
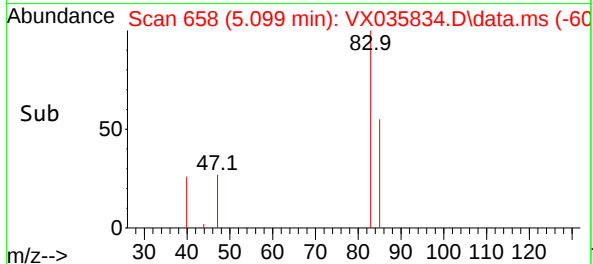
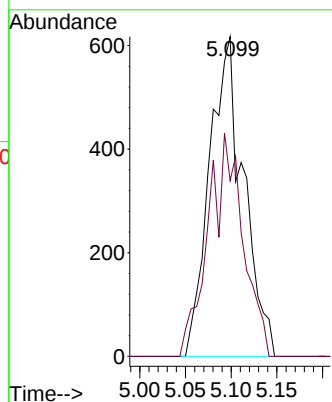
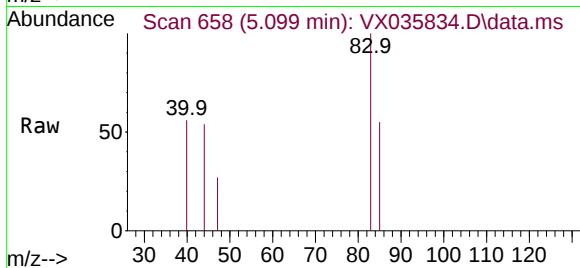
TT162S1-20230522

Tgt Ion: 83 Resp: 1602

Ion Ratio Lower Upper

83 100

85 54.9 50.6 76.0



#31

Cyclohexane

Concen: 1.060 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX035834.D

Acq: 24 May 2023 14:28

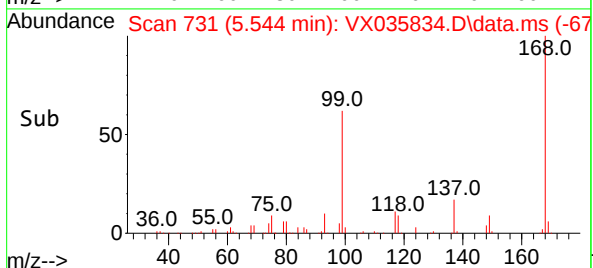
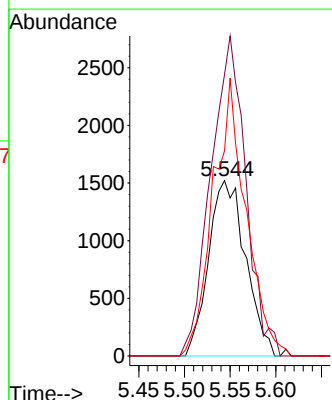
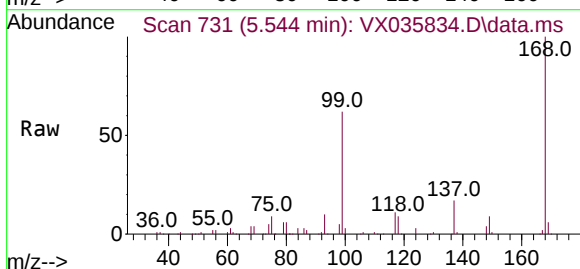
Tgt Ion: 56 Resp: 4284

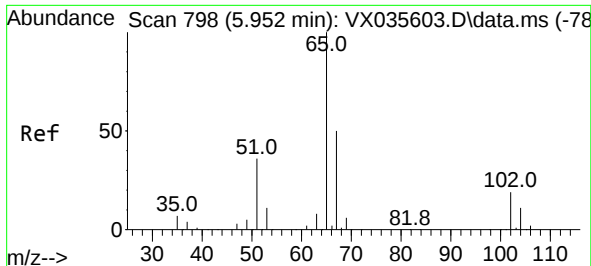
Ion Ratio Lower Upper

56 100

69 160.6 23.7 35.5#

84 117.0 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 40.374 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX035834.D

Acq: 24 May 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

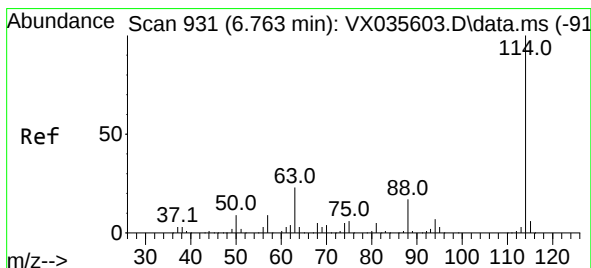
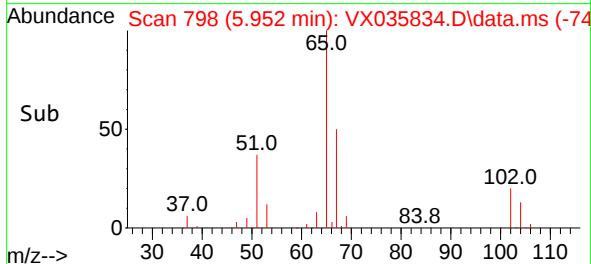
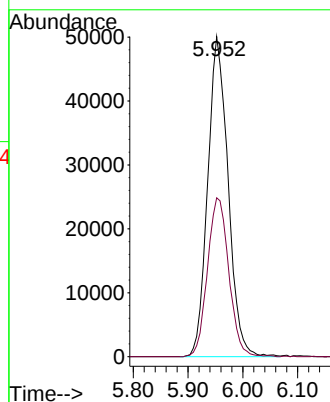
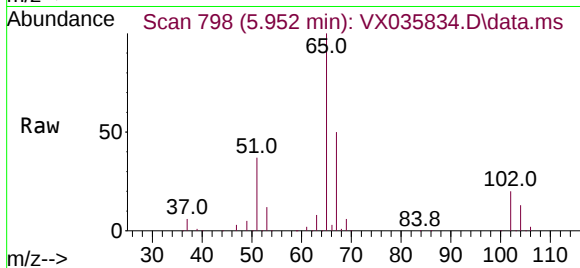
TT162S1-20230522

Tgt Ion: 65 Resp: 129162

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX035834.D

Acq: 24 May 2023 14:28

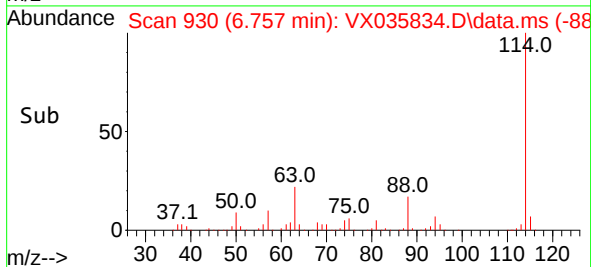
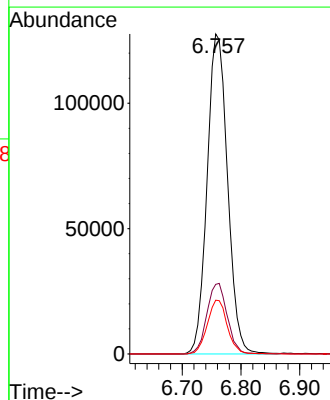
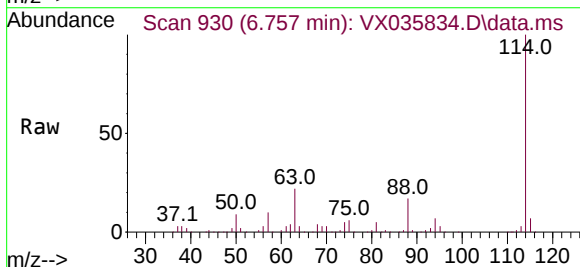
Tgt Ion: 114 Resp: 308873

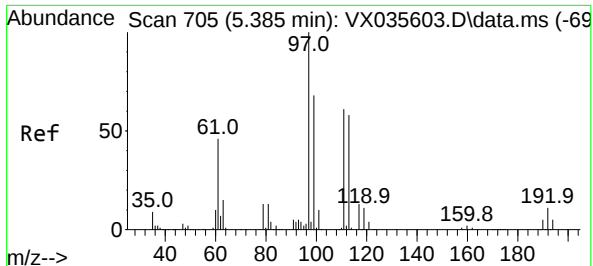
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.2

88 16.8 0.0 33.2

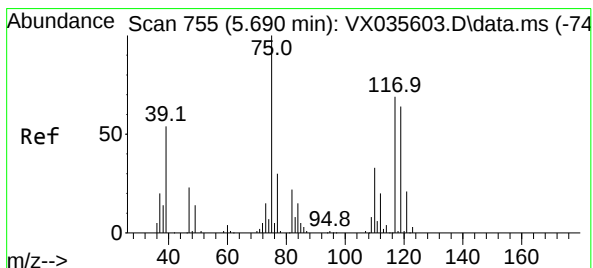
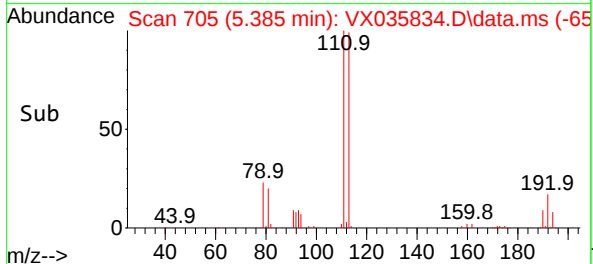
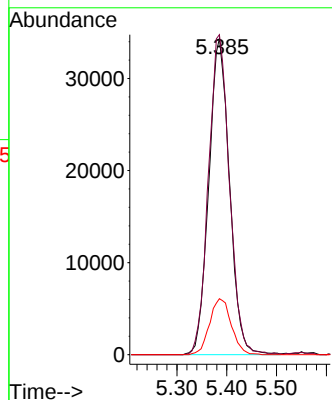
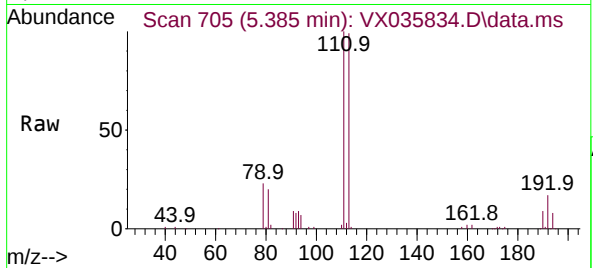




#35
 Dibromofluoromethane
 Concen: 47.555 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX035834.D
 Acq: 24 May 2023 14:28

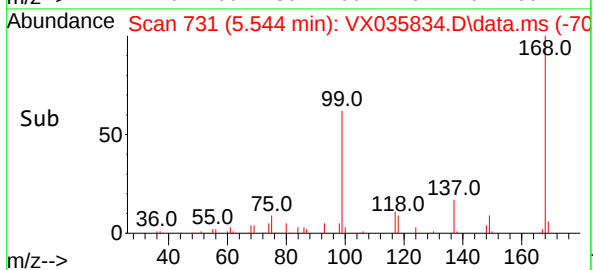
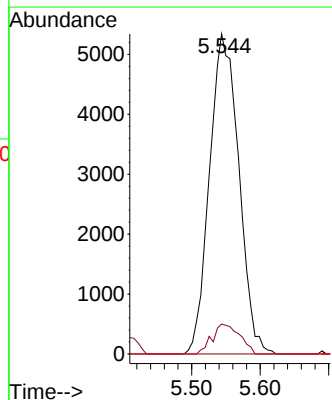
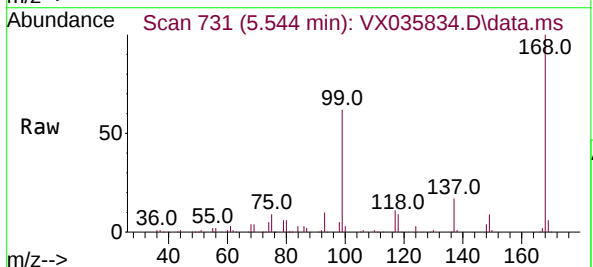
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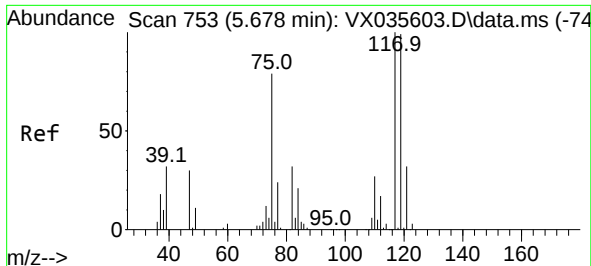
Tgt Ion:113 Resp: 99059
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.7 125.5
 192 18.5 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 4.821 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.146 min
 Lab File: VX035834.D
 Acq: 24 May 2023 14:28

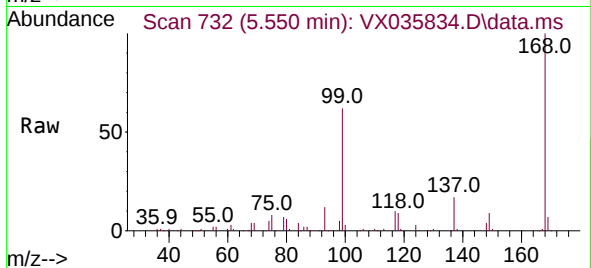
Tgt Ion: 75 Resp: 15851
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.5 52.5#
 77 0.0 24.3 36.5#



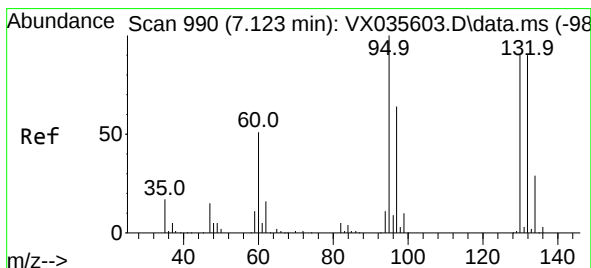
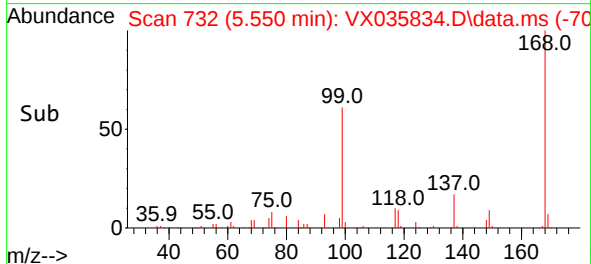
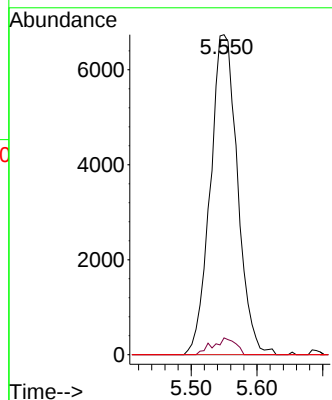


#38
Carbon Tetrachloride
Concen: 6.233 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX035834.D
Acq: 24 May 2023 14:28

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20230522

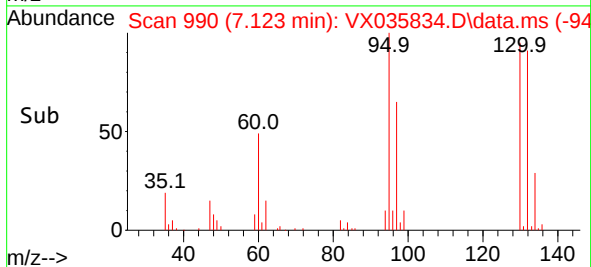
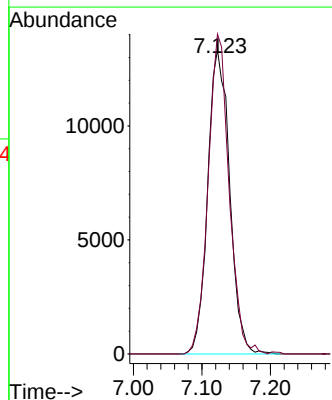
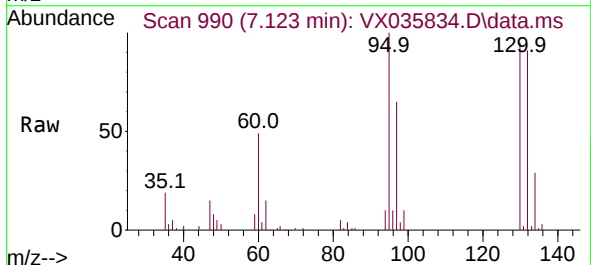


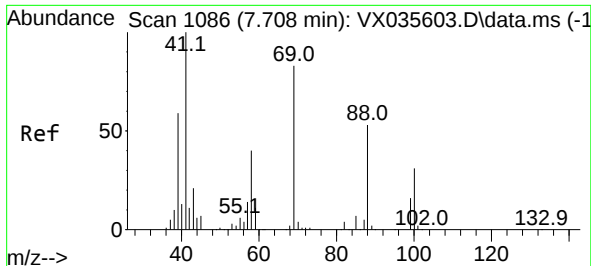
Tgt Ion:117 Resp: 19414
Ion Ratio Lower Upper
117 100
119 5.3 76.6 114.8#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 12.693 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX035834.D
Acq: 24 May 2023 14:28

Tgt Ion:130 Resp: 29604
Ion Ratio Lower Upper
130 100
95 105.1 0.0 198.4





#49

1,4-Dioxane

Concen: 2.291 ug/l

RT: 7.769 min Scan# 1096

Delta R.T. 0.061 min

Lab File: VX035834.D

Acq: 24 May 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

TT162S1-20230522

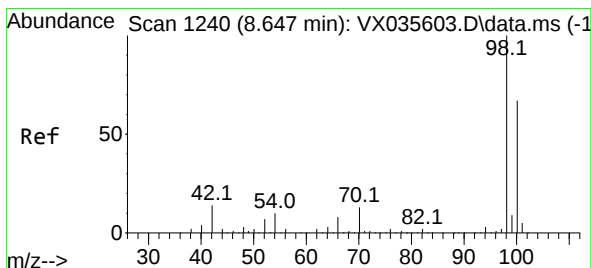
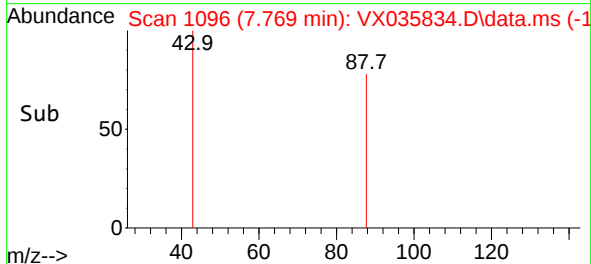
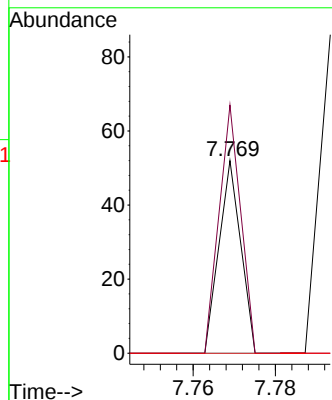
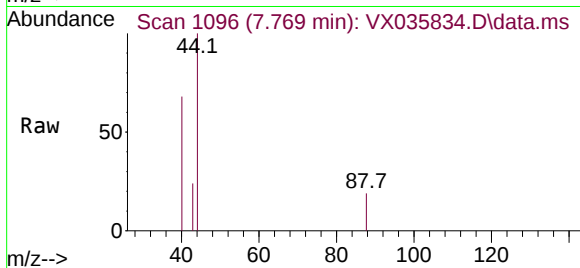
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 131.6 27.7 41.5#

58 0.0 56.8 85.2#



#50

Toluene-d8

Concen: 44.821 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX035834.D

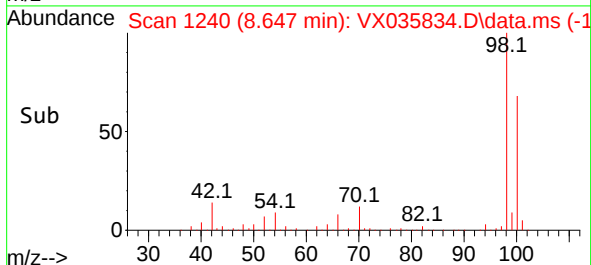
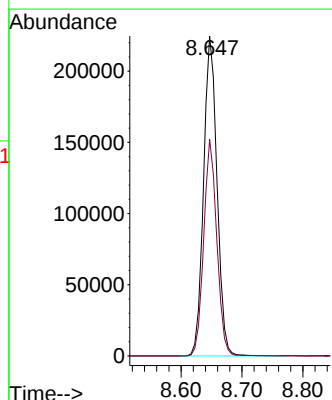
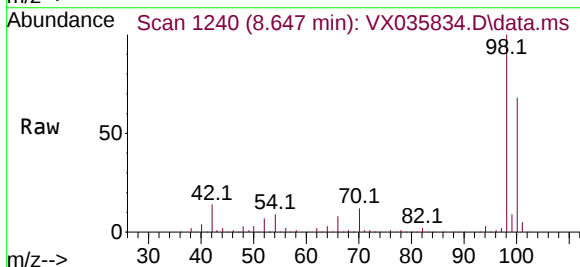
Acq: 24 May 2023 14:28

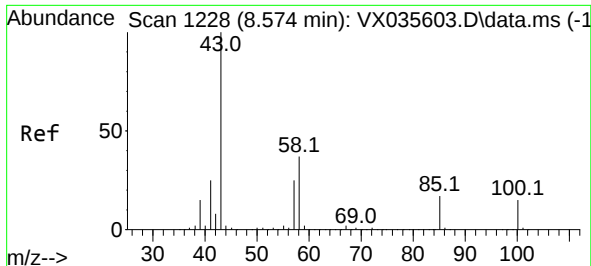
Tgt Ion: 98 Resp: 344905

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7

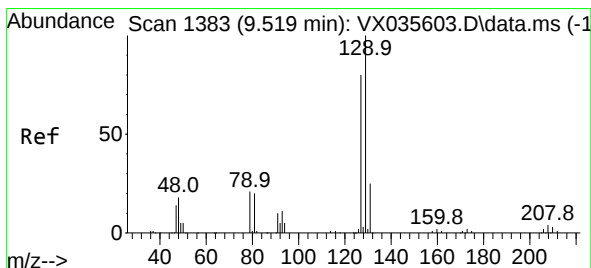
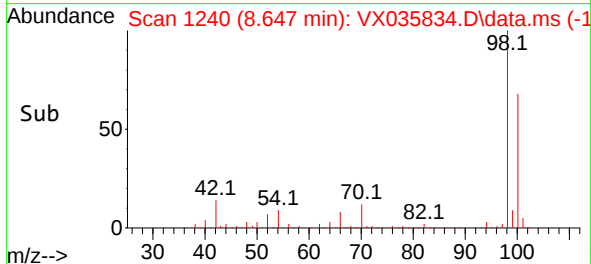
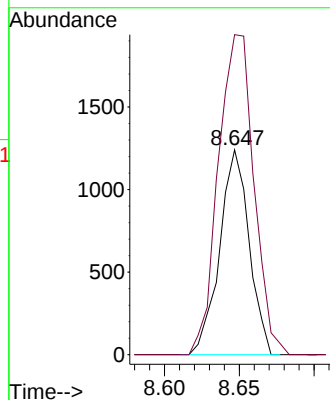
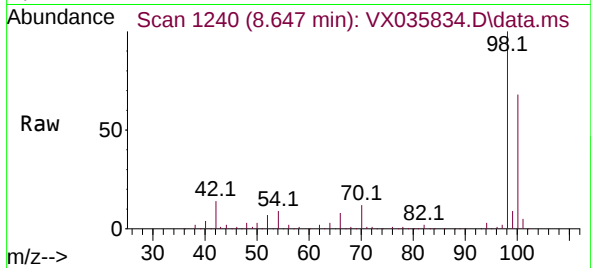




#51
4-Methyl-2-Pentanone
Concen: 0.494 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX035834.D
Acq: 24 May 2023 14:28

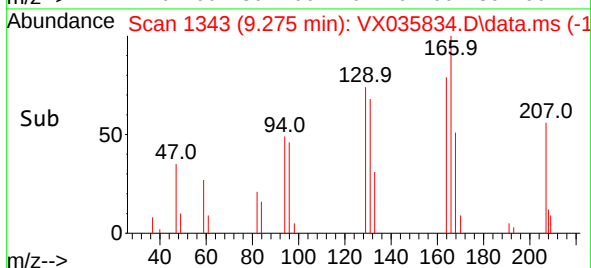
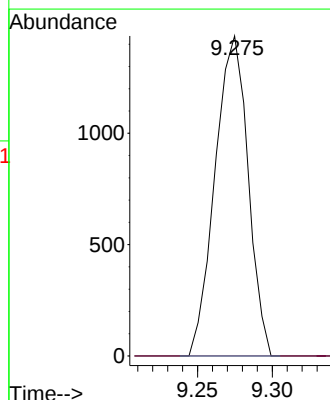
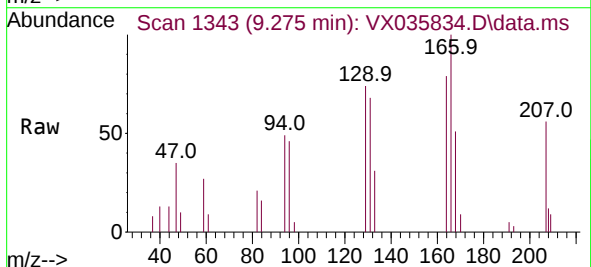
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20230522

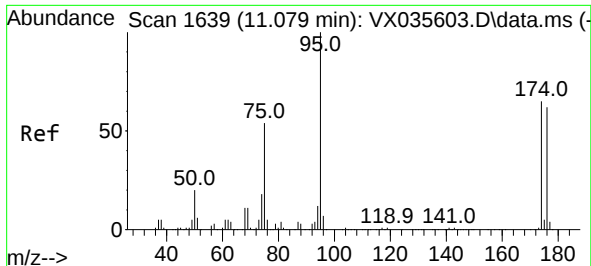
Tgt Ion: 43 Resp: 1701
Ion Ratio Lower Upper
43 100
58 188.8 30.6 46.0#



#60
Dibromochloromethane
Concen: 1.015 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX035834.D
Acq: 24 May 2023 14:28

Tgt Ion: 129 Resp: 2206
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

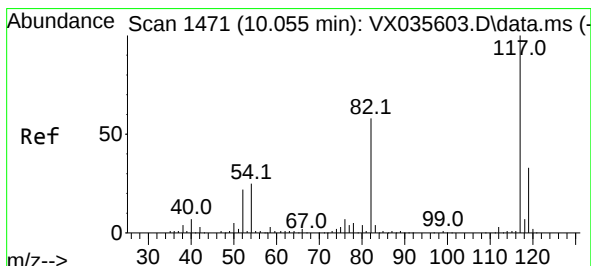
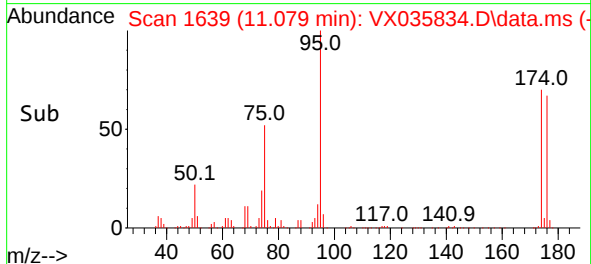
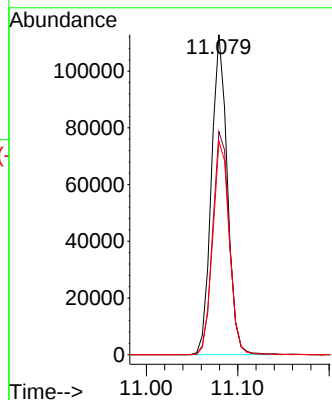
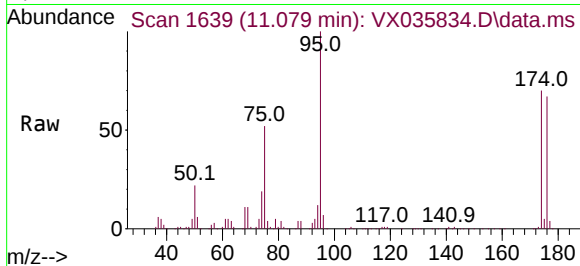




#62
4-Bromofluorobenzene
Concen: 44.081 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035834.D
Acq: 24 May 2023 14:28

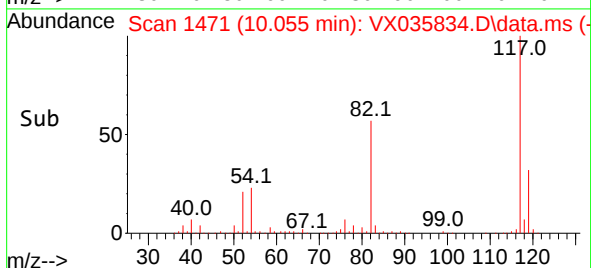
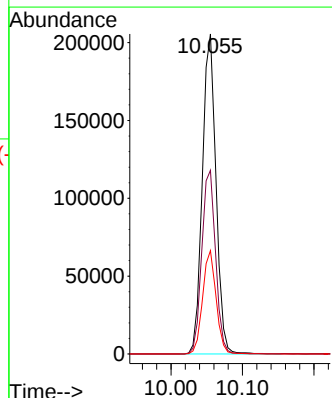
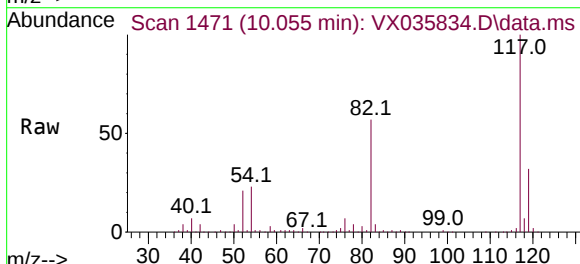
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20230522

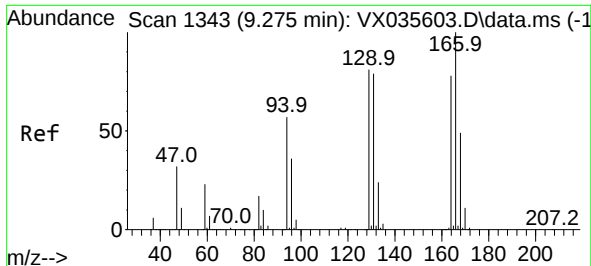
Tgt Ion: 95 Resp: 136581
Ion Ratio Lower Upper
95 100
174 72.6 0.0 147.4
176 69.8 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035834.D
Acq: 24 May 2023 14:28

Tgt Ion: 117 Resp: 272435
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.4
119 32.3 26.0 39.0

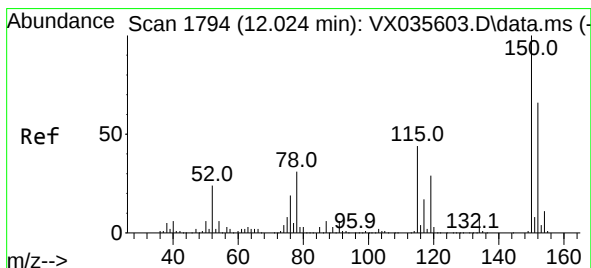
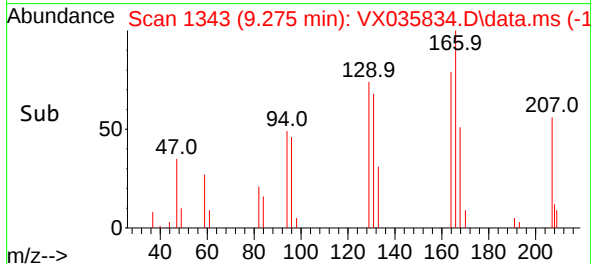
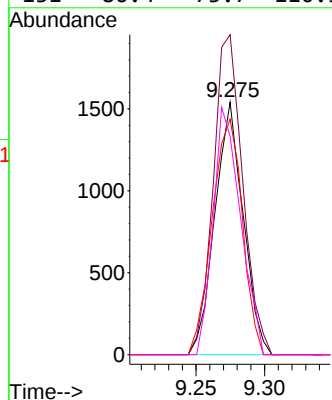
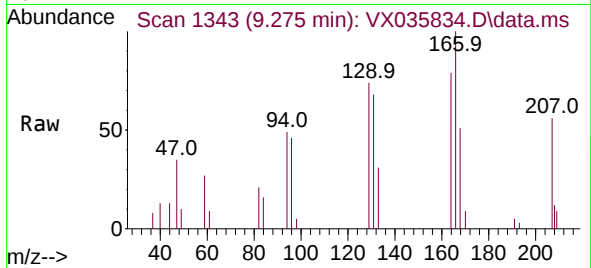




#64
Tetrachloroethene
Concen: 1.204 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035834.D
Acq: 24 May 2023 14:28

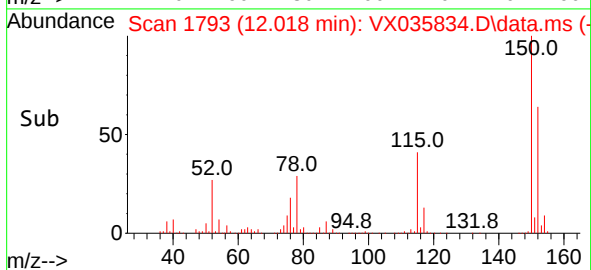
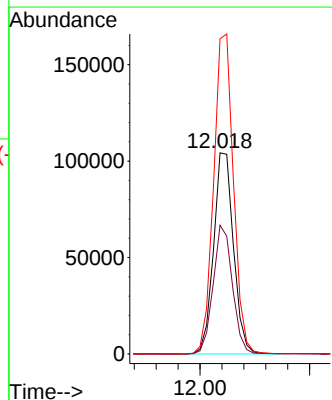
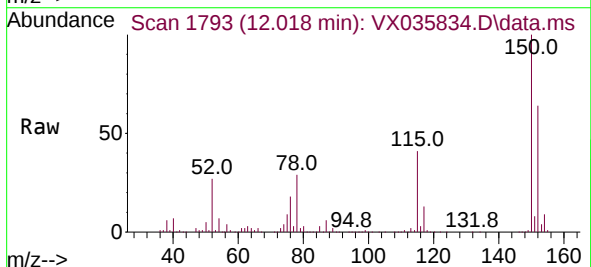
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20230522

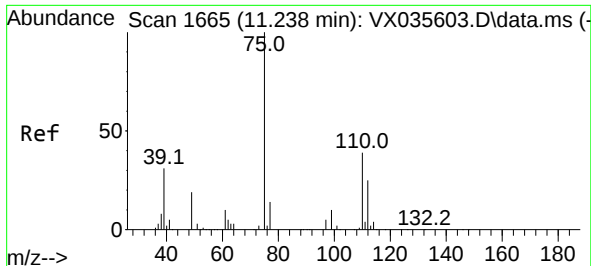
Tgt Ion:164 Resp: 2209
Ion Ratio Lower Upper
164 100
166 126.7 102.7 154.1
129 93.3 75.6 113.4
131 86.4 73.7 110.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX035834.D
Acq: 24 May 2023 14:28

Tgt Ion:152 Resp: 131760
Ion Ratio Lower Upper
152 100
115 61.8 45.0 135.0
150 158.7 0.0 352.4

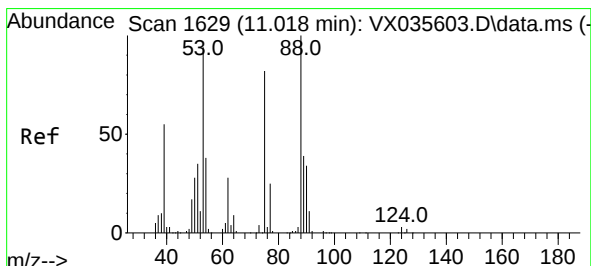
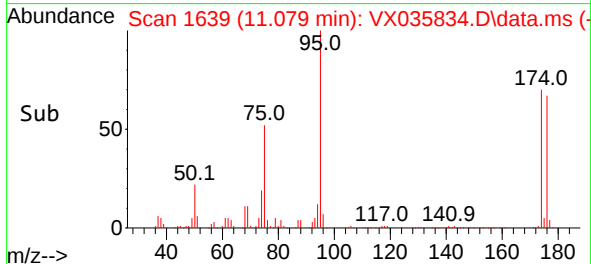
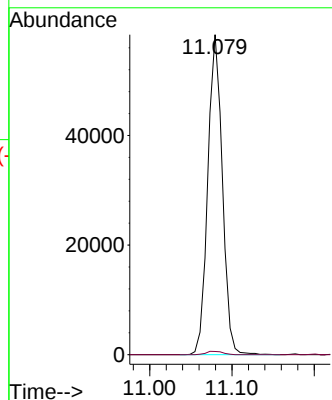
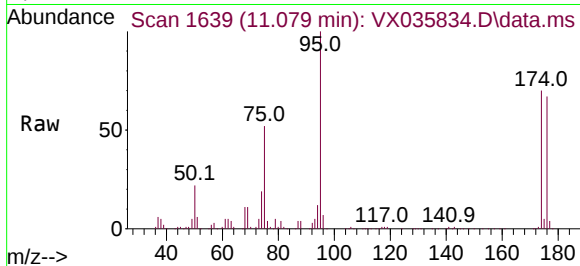




#76
1,2,3-Trichloropropane
Concen: 22.235 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035834.D
Acq: 24 May 2023 14:28

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20230522

Tgt Ion: 75 Resp: 71661
Ion Ratio Lower Upper
75 100
77 1.2 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.660 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035834.D
Acq: 24 May 2023 14:28

Tgt Ion: 75 Resp: 71661
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.1 36.9 55.3#

