

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050523\
 Data File : VX035529.D
 Acq On : 05 May 2023 12:32
 Operator : JC/MD
 Sample : 02631-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-050423

Quant Time: May 08 00:50:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	299438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	497326	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	455212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	207201	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	180821	50.054	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.100%	
35) Dibromofluoromethane	5.385	113	151897	49.762	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.520%	
50) Toluene-d8	8.646	98	587125	50.989	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.980%	
62) 4-Bromofluorobenzene	11.079	95	225230	51.996	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.000%	

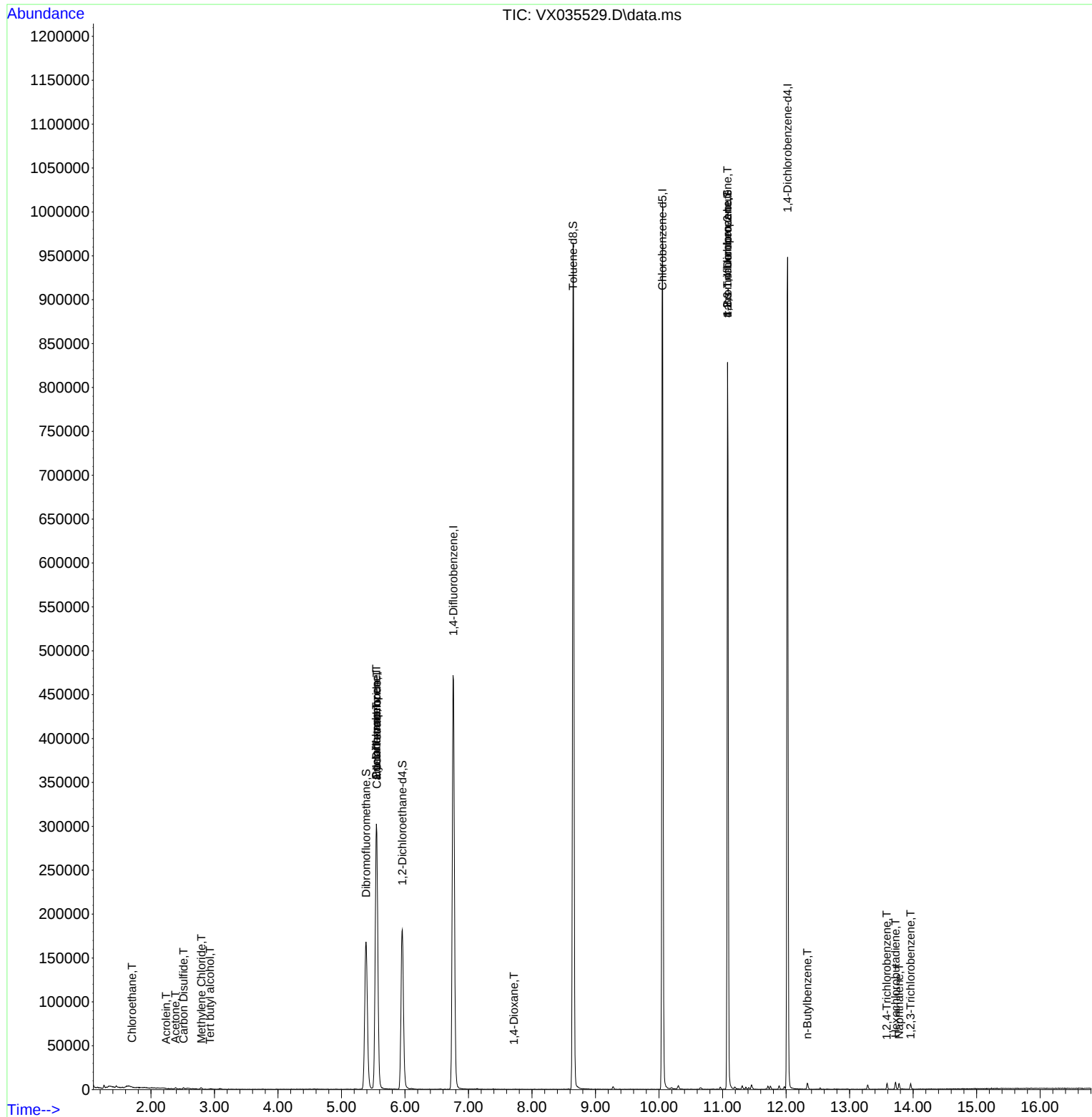
Target Compounds			Qvalue			
6) Chloroethane	1.703	64	339	0.201	ug/l #	57
11) Tert butyl alcohol	2.928	59	202	0.307	ug/l #	73
13) Acrolein	2.239	56	205	0.317	ug/l #	71
16) Acetone	2.385	43	1626	1.036	ug/l	100
17) Carbon Disulfide	2.513	76	2001	0.287	ug/l #	94
20) Methylene Chloride	2.794	84	743	0.207	ug/l #	83
31) Cyclohexane	5.549	56	6042	1.179	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	22542	4.730	ug/l #	50
38) Carbon Tetrachloride	5.556	117	30022	6.635	ug/l #	15
49) 1,4-Dioxane	7.714	88	25	0.286	ug/l #	23
76) 1,2,3-Trichloropropane	11.079	75	112630	27.250	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	112630	88.258	ug/l #	8
89) n-Butylbenzene	12.335	91	2367	0.210	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	1922	0.427	ug/l	95
94) Hexachlorobutadiene	13.725	225	1375	0.696	ug/l	98
95) Naphthalene	13.780	128	4781	0.345	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1617	0.357	ug/l	94

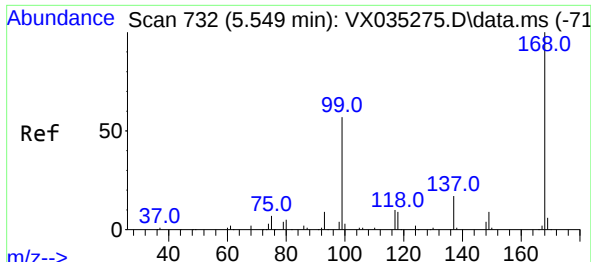
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 25 16:31:40 2023
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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.549 min Scan# 71

Delta R.T. 0.000 min

Lab File: VX035529.D

Acq: 05 May 2023 12:32

Instrument :

MSVOA_X

ClientSampleId :

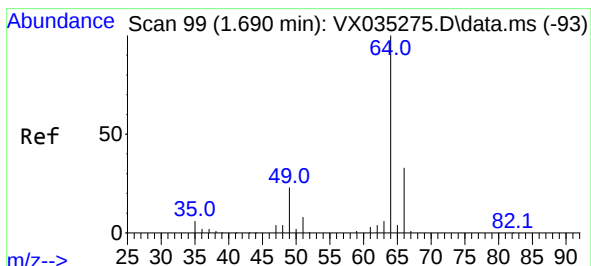
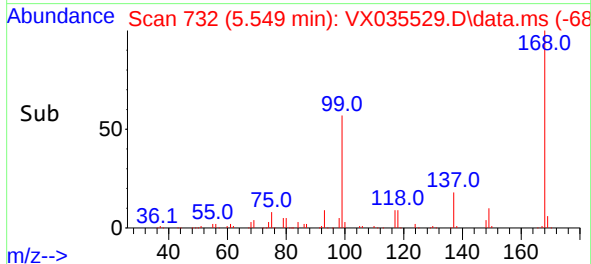
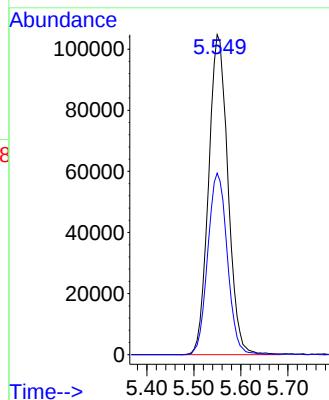
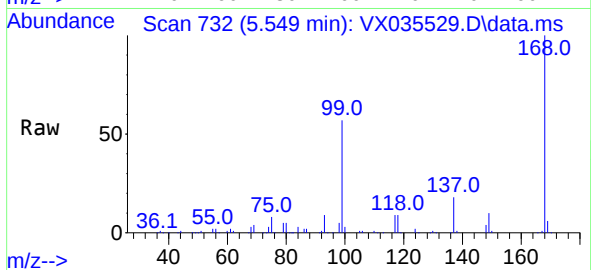
TB-01-050423

Tgt Ion:168 Resp: 299438

Ion Ratio Lower Upper

168 100

99 56.7 45.7 68.5



#6

Chloroethane

Concen: 0.201 ug/l

RT: 1.703 min Scan# 101

Delta R.T. 0.013 min

Lab File: VX035529.D

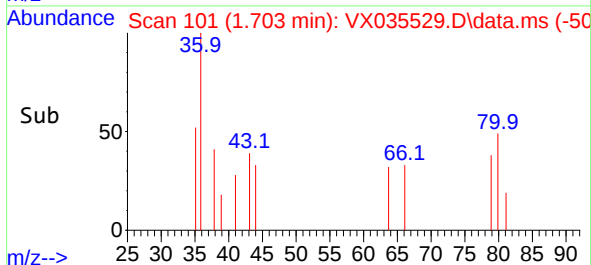
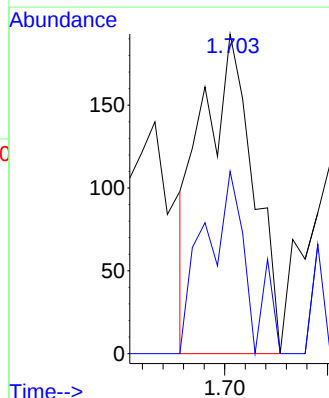
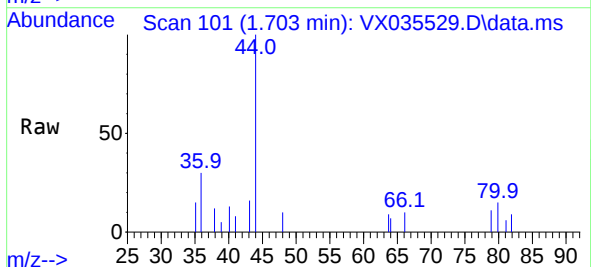
Acq: 05 May 2023 12:32

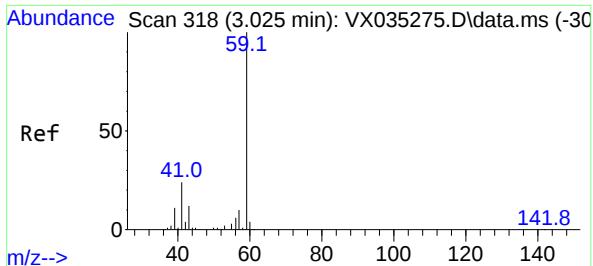
Tgt Ion: 64 Resp: 339

Ion Ratio Lower Upper

64 100

66 57.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: 0.307 ug/l

RT: 2.928 min Scan# 30

Delta R.T. -0.097 min

Lab File: VX035529.D

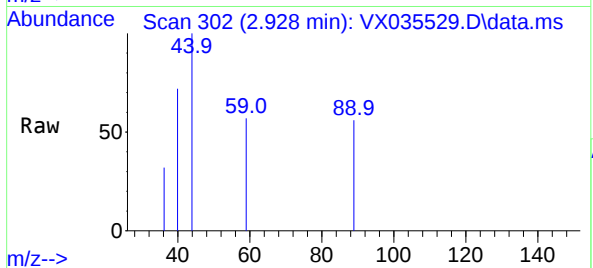
Acq: 05 May 2023 12:32

Instrument :

MSVOA_X

ClientSampleId :

TB-01-050423

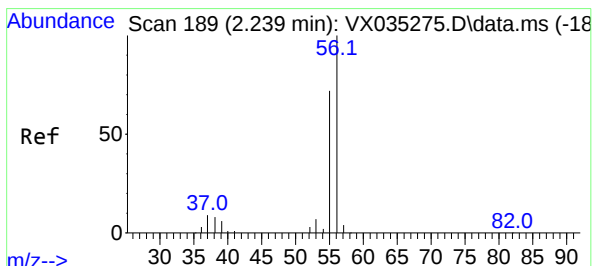
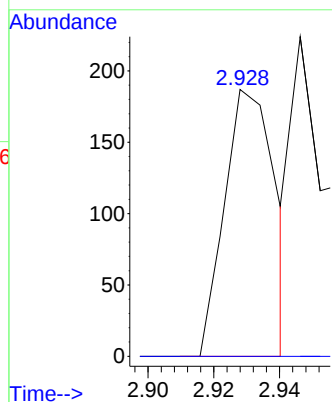


Tgt Ion: 59 Resp: 202

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 0.317 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX035529.D

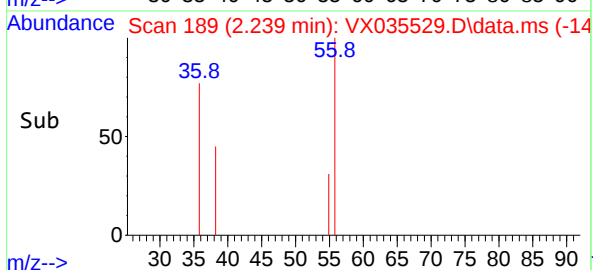
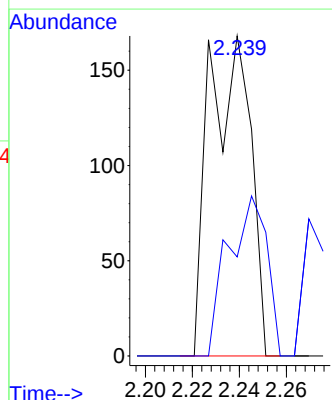
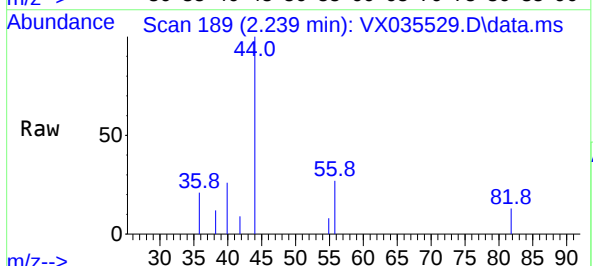
Acq: 05 May 2023 12:32

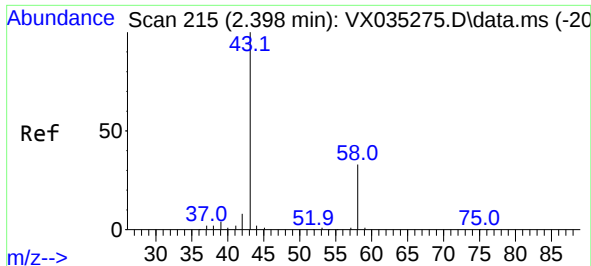
Tgt Ion: 56 Resp: 205

Ion Ratio Lower Upper

56 100

55 46.8 56.6 85.0#

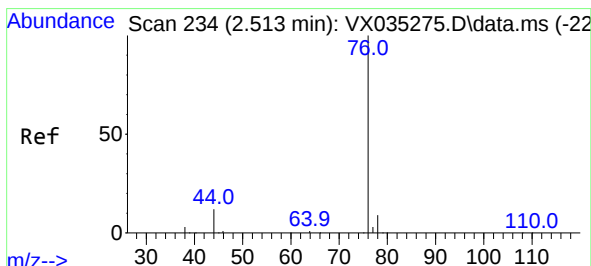
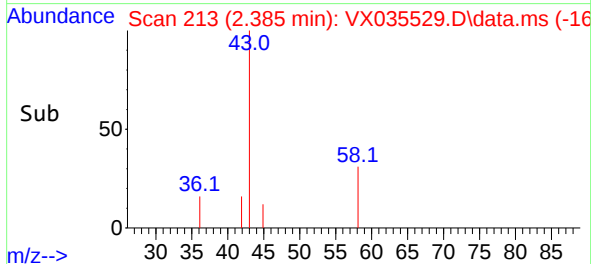
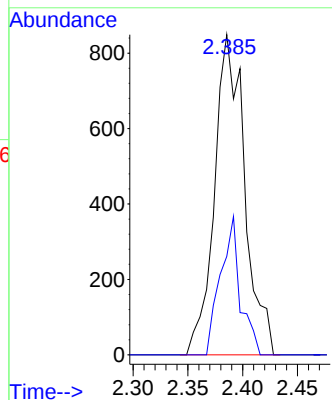
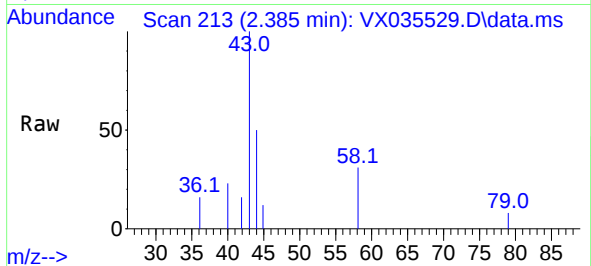




#16
Acetone
Concen: 1.036 ug/l
RT: 2.385 min Scan# 215
Delta R.T. -0.013 min
Lab File: VX035529.D
Acq: 05 May 2023 12:32

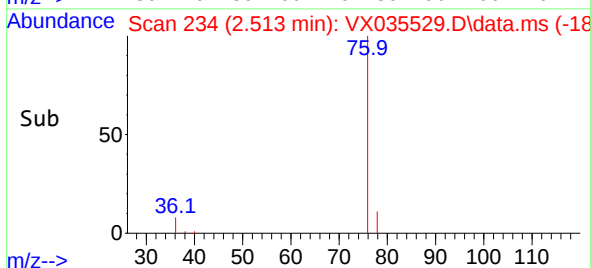
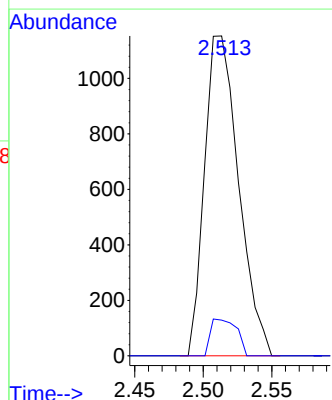
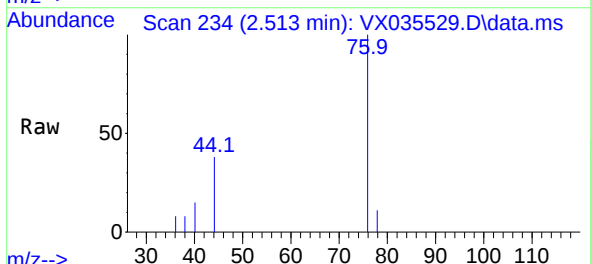
Instrument :
MSVOA_X
ClientSampleId :
TB-01-050423

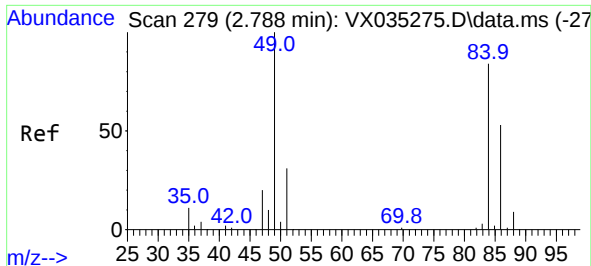
Tgt Ion: 43 Resp: 1626
Ion Ratio Lower Upper
43 100
58 30.7 24.7 37.1



#17
Carbon Disulfide
Concen: 0.287 ug/l
RT: 2.513 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX035529.D
Acq: 05 May 2023 12:32

Tgt Ion: 76 Resp: 2001
Ion Ratio Lower Upper
76 100
78 11.2 7.2 10.8#



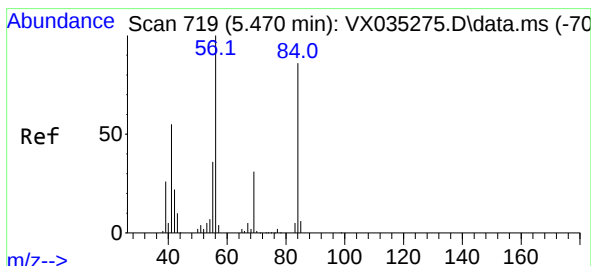
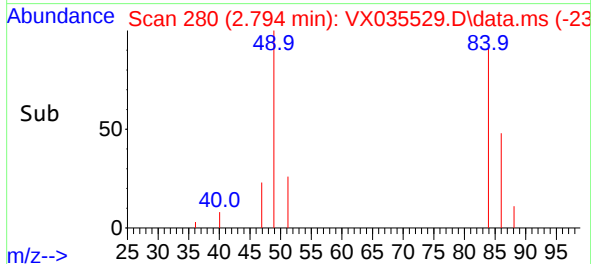
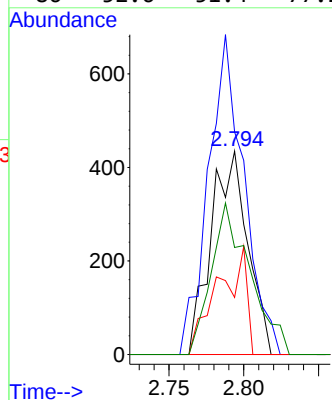
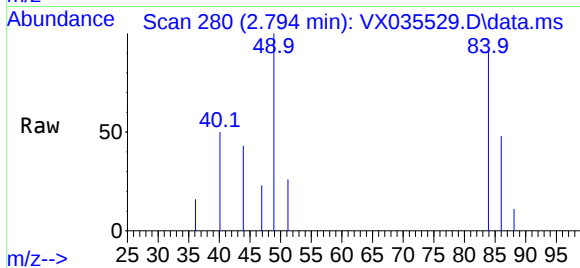


#20
Methylene Chloride
Concen: 0.207 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX035529.D
Acq: 05 May 2023 12:32

Instrument :
MSVOA_X
ClientSampleId :
TB-01-050423

Tgt Ion: 84 Resp: 743

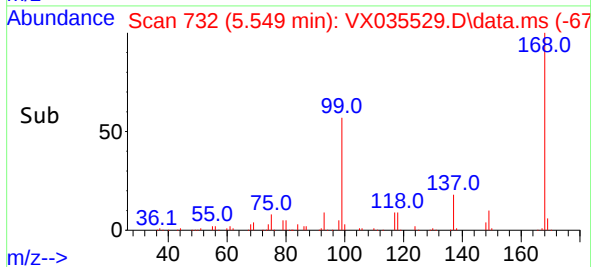
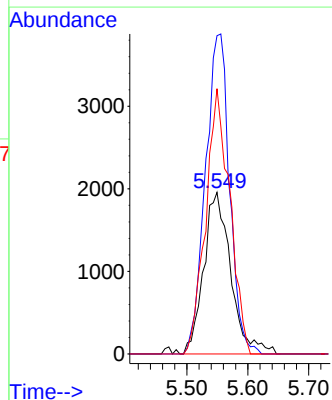
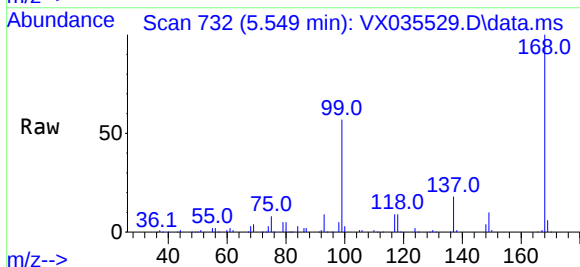
Ion	Ratio	Lower	Upper
84	100		
49	109.4	103.8	155.8
51	28.0	31.8	47.8#
86	52.6	51.4	77.2

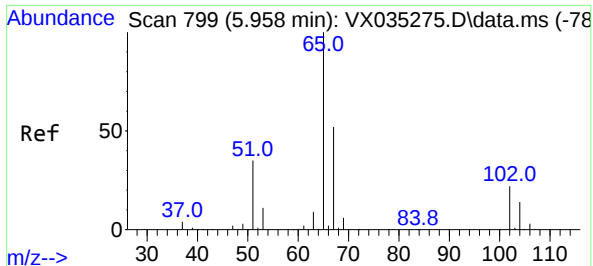


#31
Cyclohexane
Concen: 1.179 ug/l
RT: 5.549 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX035529.D
Acq: 05 May 2023 12:32

Tgt Ion: 56 Resp: 6042

Ion	Ratio	Lower	Upper
56	100		
69	197.0	23.7	35.5#
84	164.2	68.5	102.7#

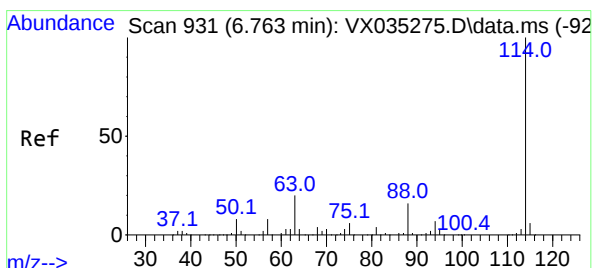
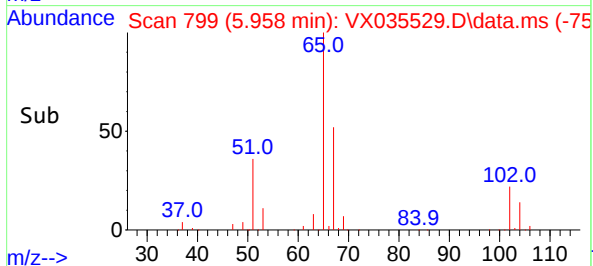
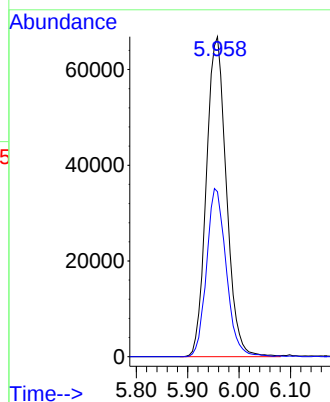
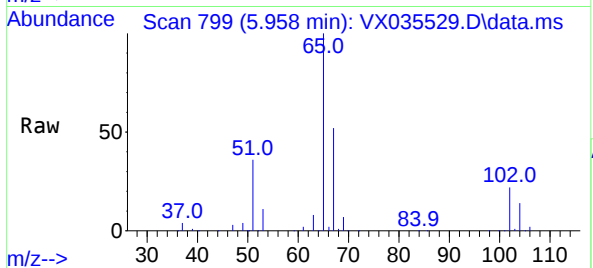




#33
1,2-Dichloroethane-d4
Concen: 50.054 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX035529.D
Acq: 05 May 2023 12:32

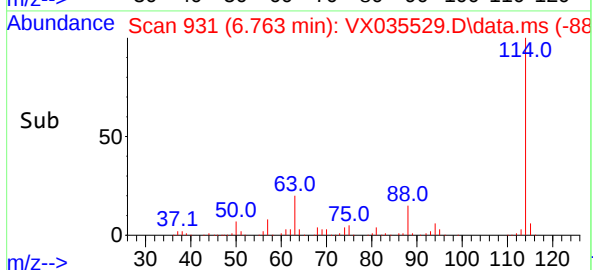
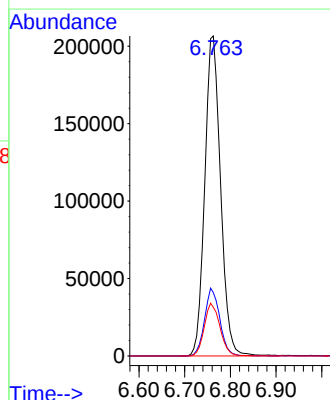
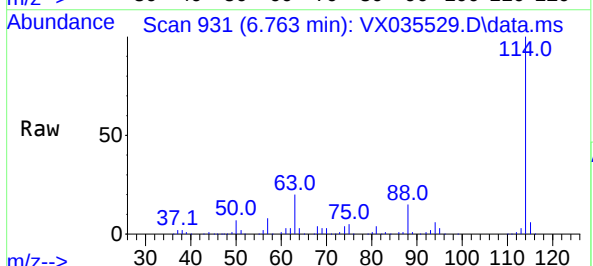
Instrument :
MSVOA_X
ClientSampleId :
TB-01-050423

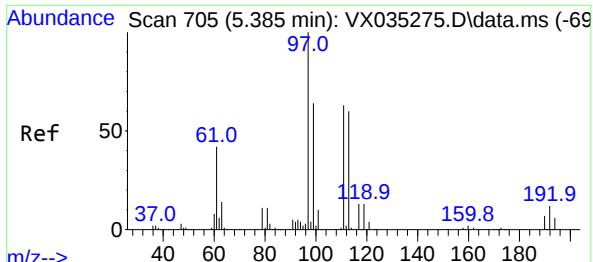
Tgt Ion: 65 Resp: 180821
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX035529.D
Acq: 05 May 2023 12:32

Tgt Ion: 114 Resp: 497326
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.2
88 15.2 0.0 33.2



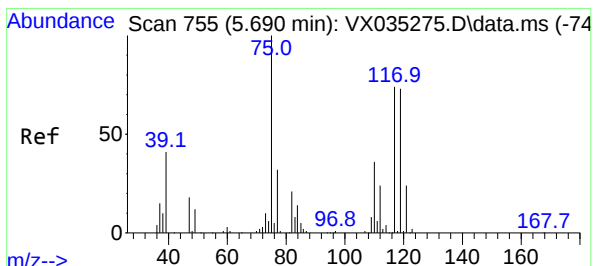
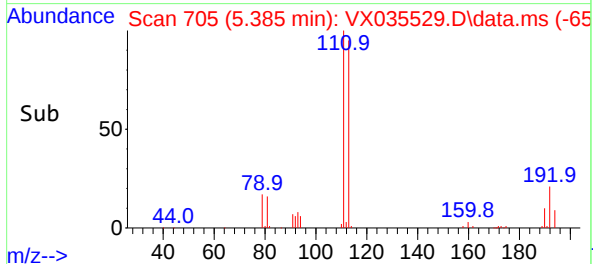
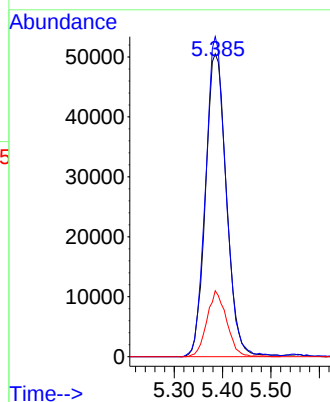
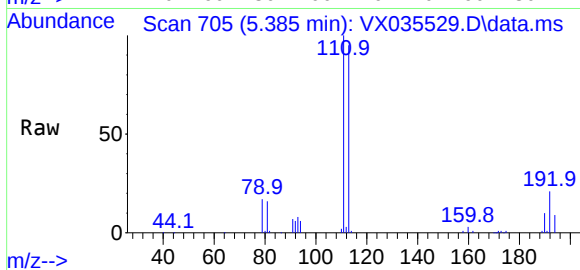


#35
 Dibromofluoromethane
 Concen: 49.762 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. -0.000 min
 Lab File: VX035529.D
 Acq: 05 May 2023 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-050423

Tgt Ion:113 Resp: 151897

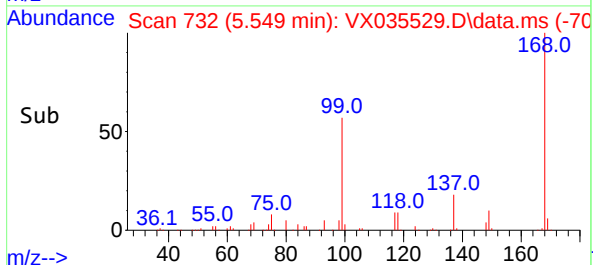
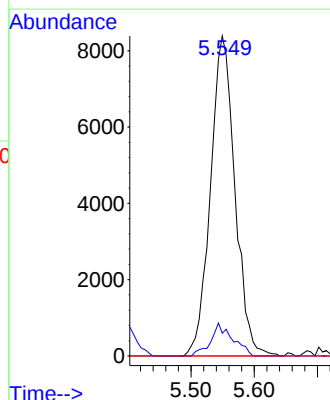
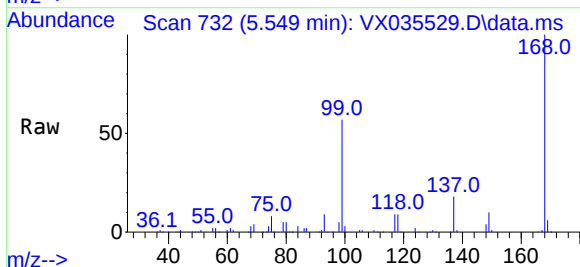
Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.7	125.5
192	20.4	15.4	23.2

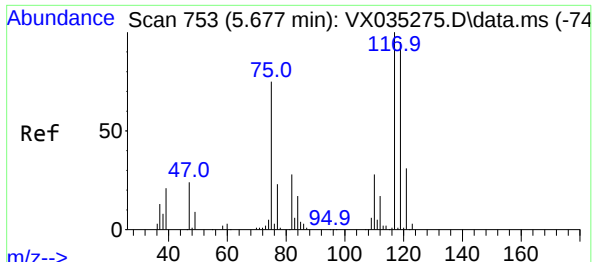


#36
 1,1-Dichloropropene
 Concen: 4.730 ug/l
 RT: 5.549 min Scan# 732
 Delta R.T. -0.141 min
 Lab File: VX035529.D
 Acq: 05 May 2023 12:32

Tgt Ion: 75 Resp: 22542

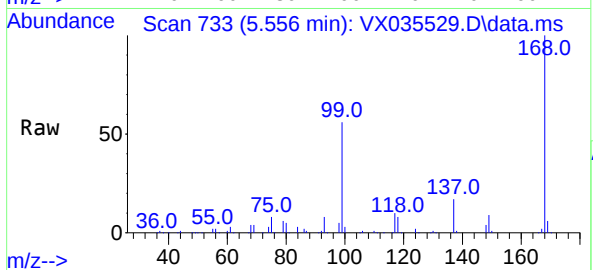
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.5	52.5#
77	0.0	24.3	36.5#



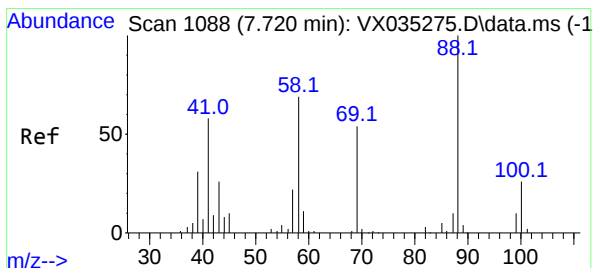
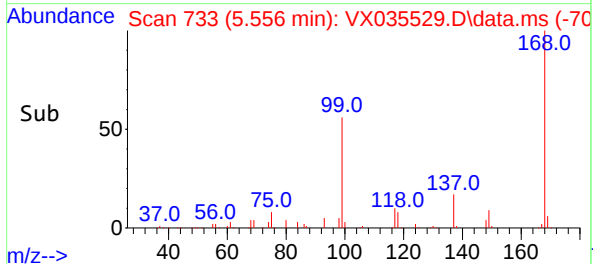
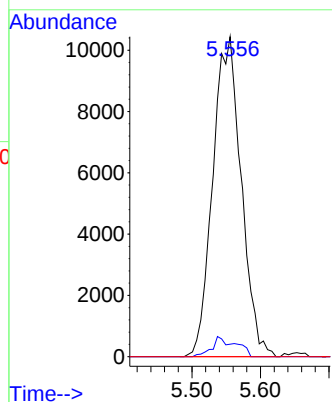


#38
Carbon Tetrachloride
Concen: 6.635 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX035529.D
Acq: 05 May 2023 12:32

Instrument :
MSVOA_X
ClientSampleId :
TB-01-050423

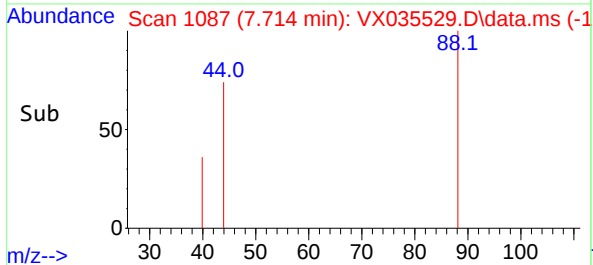
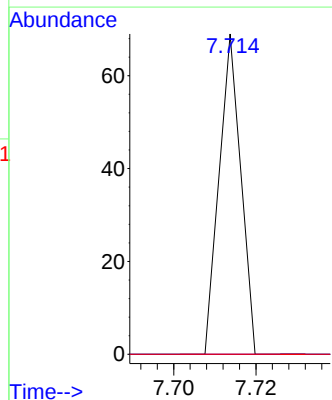
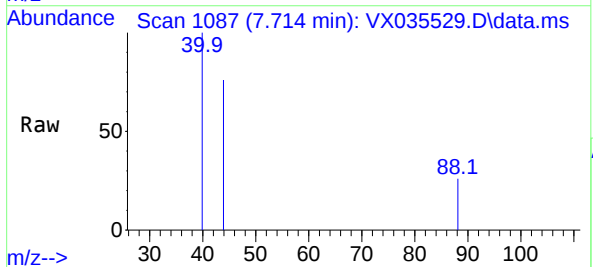


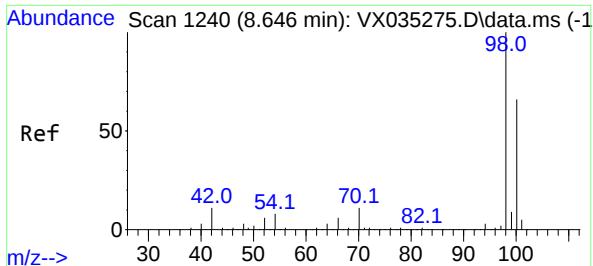
Tgt Ion:117 Resp: 30022
Ion Ratio Lower Upper
117 100
119 3.9 76.6 114.8#
121 0.0 23.8 35.6#



#49
1,4-Dioxane
Concen: 0.286 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. -0.006 min
Lab File: VX035529.D
Acq: 05 May 2023 12:32

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 0.0 56.8 85.2#

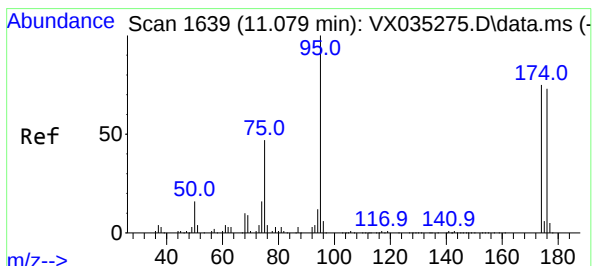
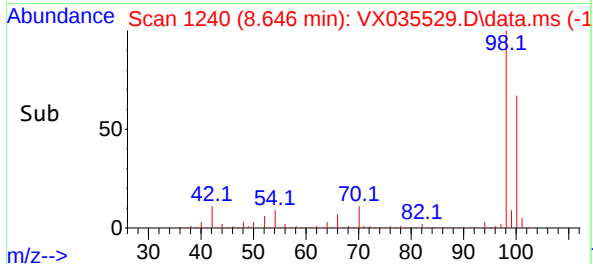
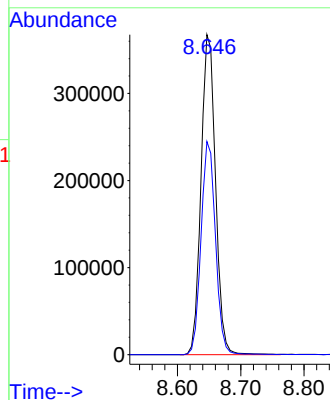
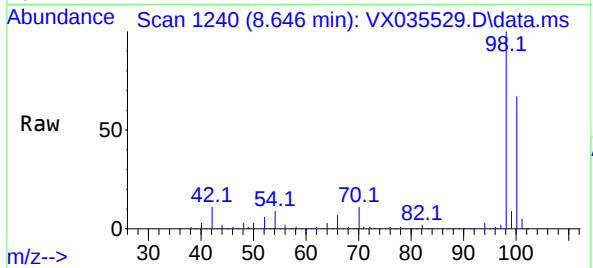




#50
Toluene-d8
Concen: 50.989 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035529.D
Acq: 05 May 2023 12:32

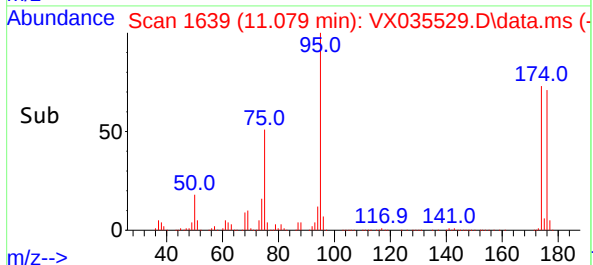
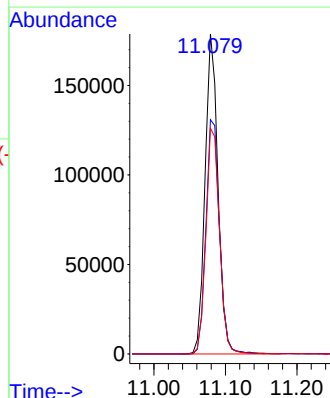
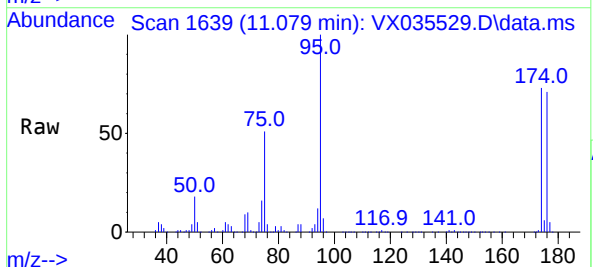
Instrument :
MSVOA_X
ClientSampleId :
TB-01-050423

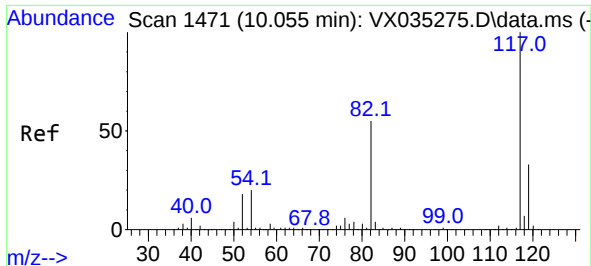
Tgt Ion: 98 Resp: 587125
Ion Ratio Lower Upper
98 100
100 66.4 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 51.996 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX035529.D
Acq: 05 May 2023 12:32

Tgt Ion: 95 Resp: 225230
Ion Ratio Lower Upper
95 100
174 76.8 0.0 147.4
176 73.9 0.0 140.6

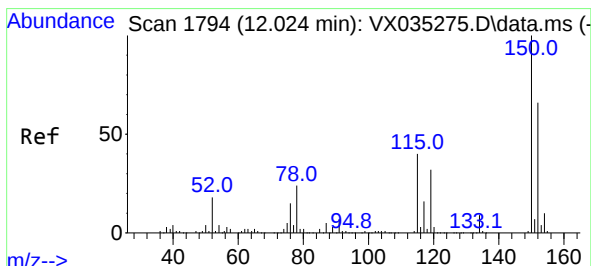
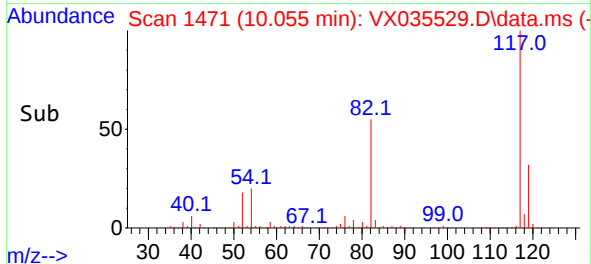
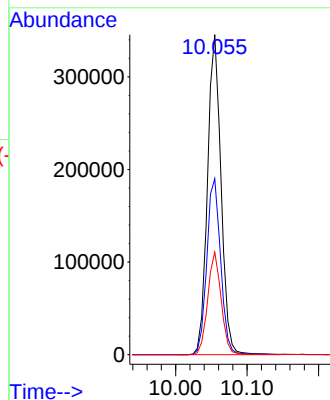
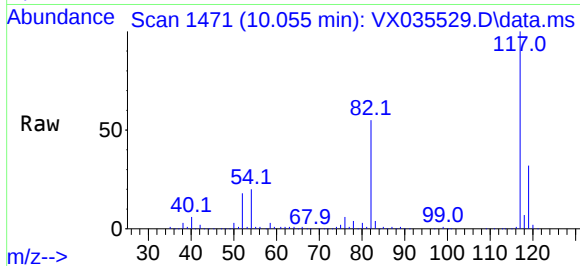




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035529.D
Acq: 05 May 2023 12:32

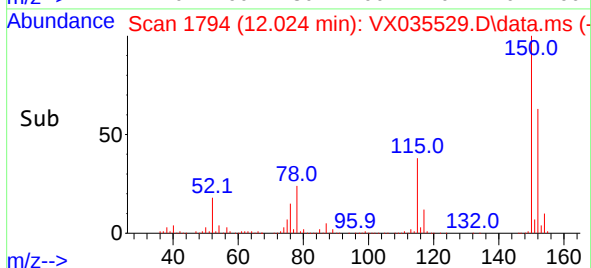
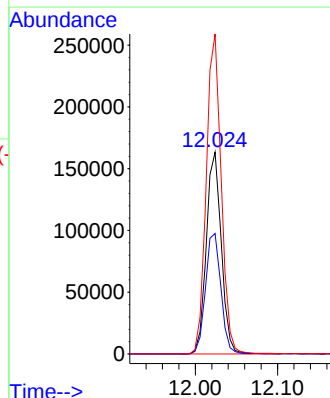
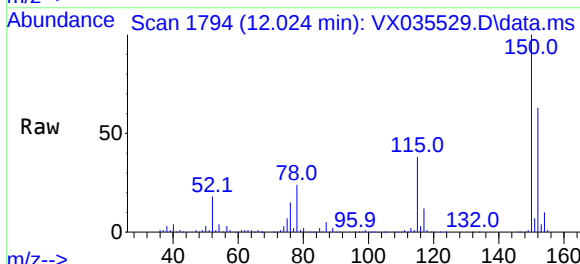
Instrument :
MSVOA_X
ClientSampleId :
TB-01-050423

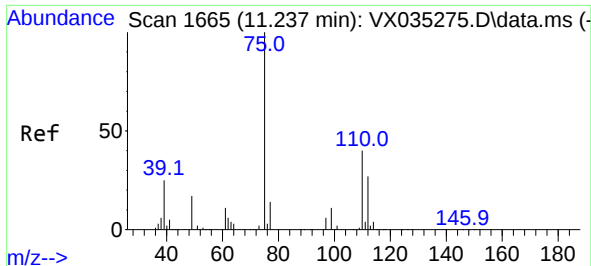
Tgt Ion:117 Resp: 455212
Ion Ratio Lower Upper
117 100
82 55.0 45.0 67.4
119 32.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX035529.D
Acq: 05 May 2023 12:32

Tgt Ion:152 Resp: 207201
Ion Ratio Lower Upper
152 100
115 61.4 45.0 135.0
150 157.9 0.0 352.4

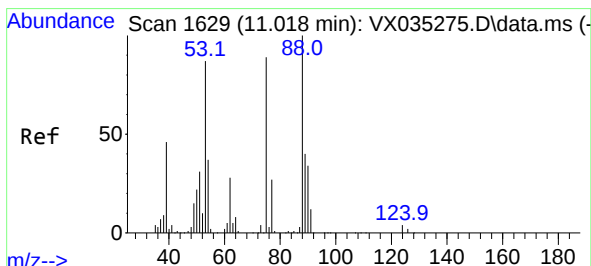
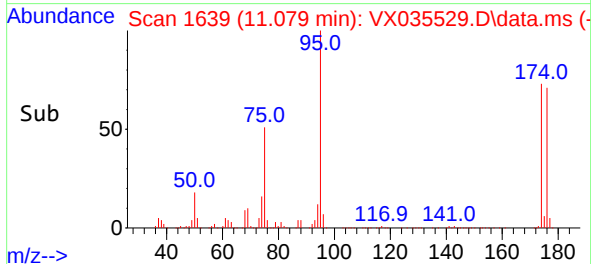
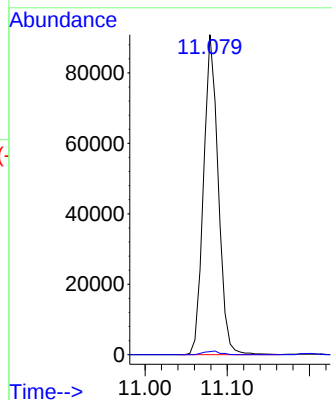
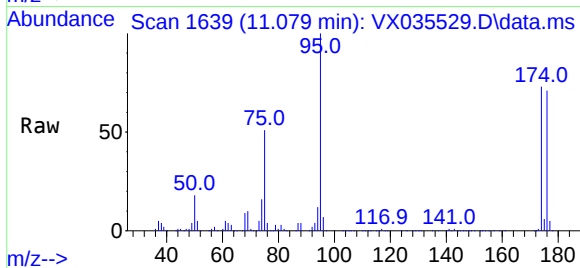




#76
1,2,3-Trichloropropane
Concen: 27.250 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035529.D
Acq: 05 May 2023 12:32

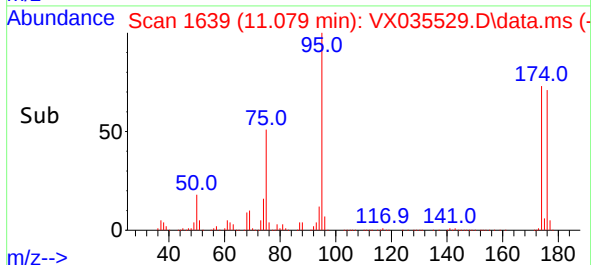
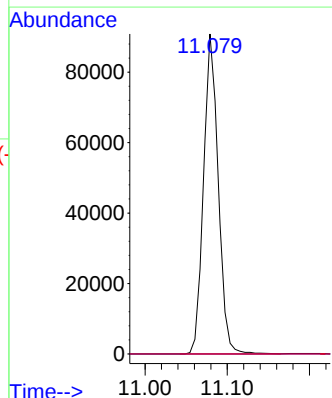
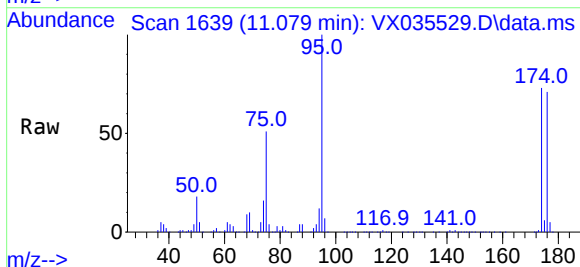
Instrument :
MSVOA_X
ClientSampleId :
TB-01-050423

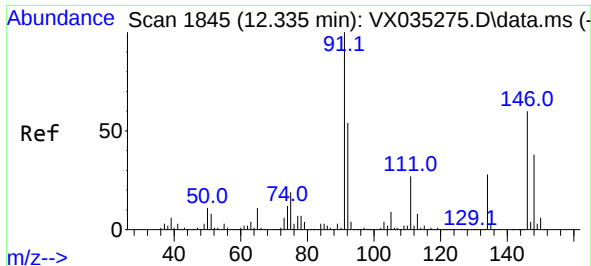
Tgt Ion: 75 Resp: 112630
Ion Ratio Lower Upper
75 100
77 1.2 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.258 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035529.D
Acq: 05 May 2023 12:32

Tgt Ion: 75 Resp: 112630
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#





#89

n-Butylbenzene

Concen: 0.210 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX035529.D

Acq: 05 May 2023 12:32

Instrument :

MSVOA_X

ClientSampleId :

TB-01-050423

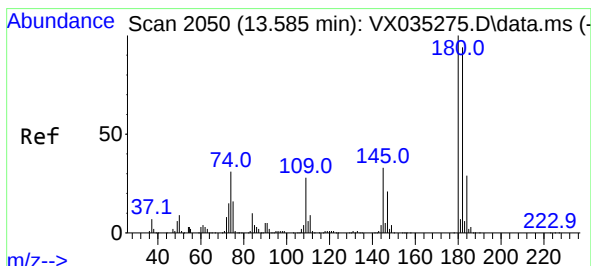
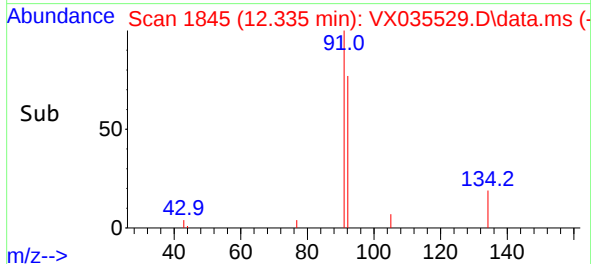
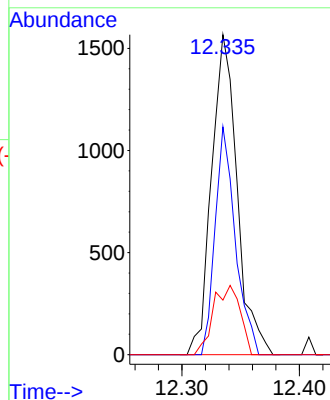
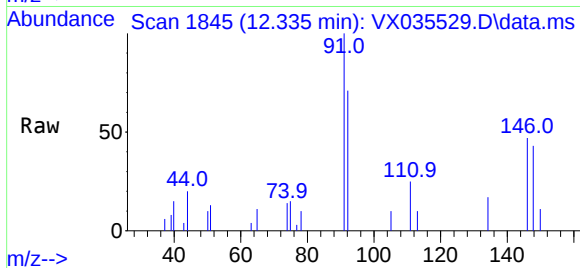
Tgt Ion: 91 Resp: 2367

Ion Ratio Lower Upper

91 100

92 56.6 27.7 83.0

134 22.7 13.0 38.9



#93

1,2,4-Trichlorobenzene

Concen: 0.427 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX035529.D

Acq: 05 May 2023 12:32

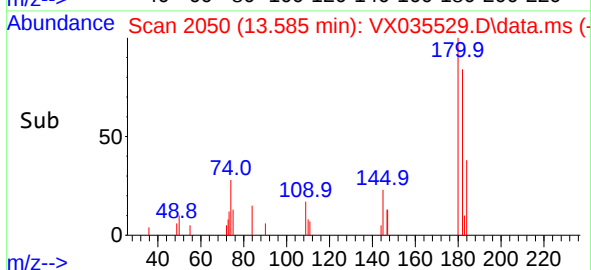
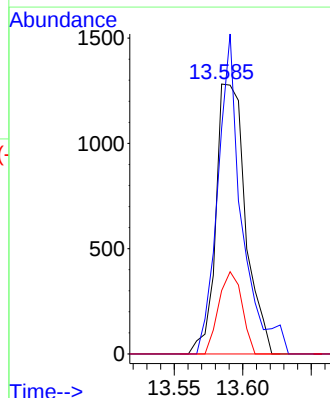
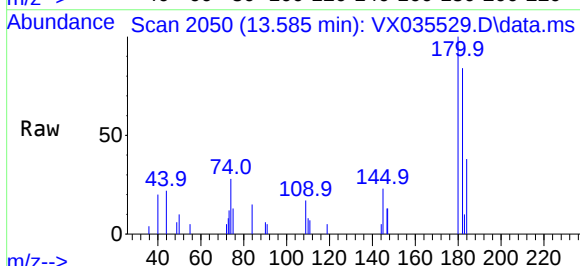
Tgt Ion:180 Resp: 1922

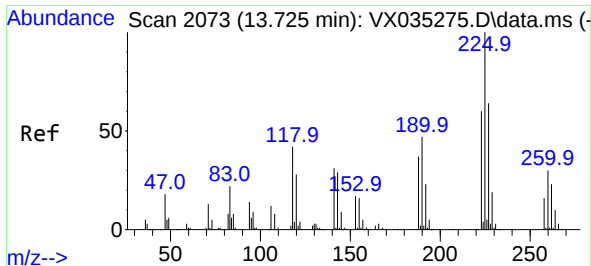
Ion Ratio Lower Upper

180 100

182 95.7 47.0 141.0

145 23.8 15.9 47.7

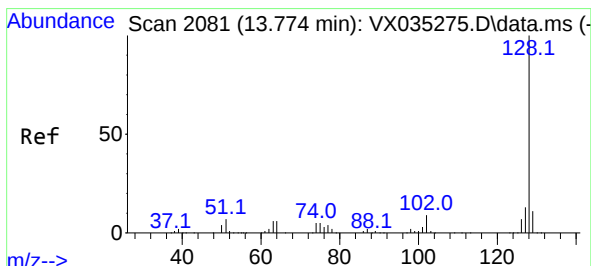
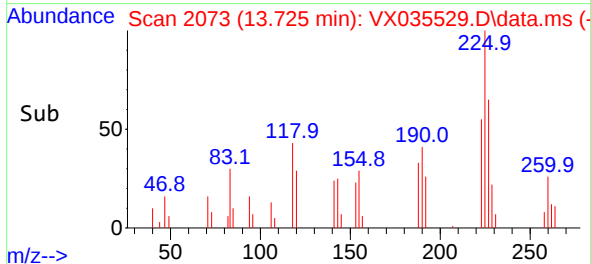
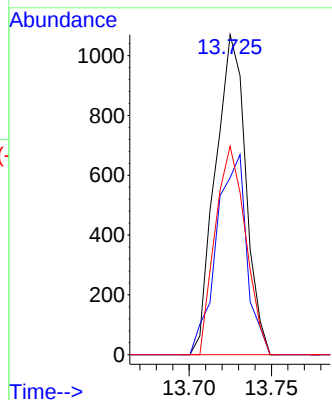
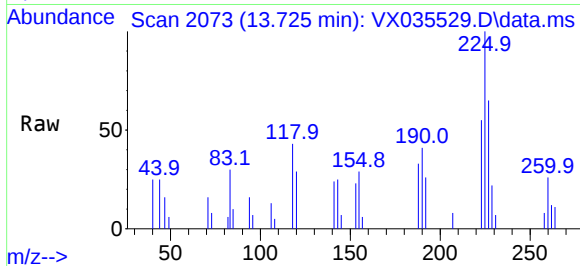




#94
Hexachlorobutadiene
Concen: 0.696 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX035529.D
Acq: 05 May 2023 12:32

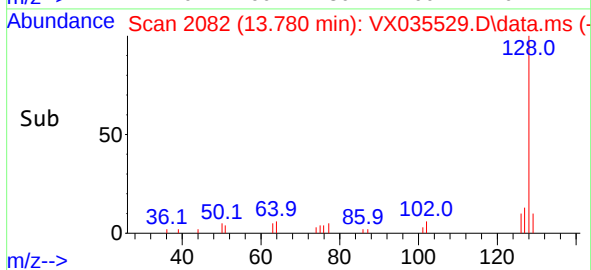
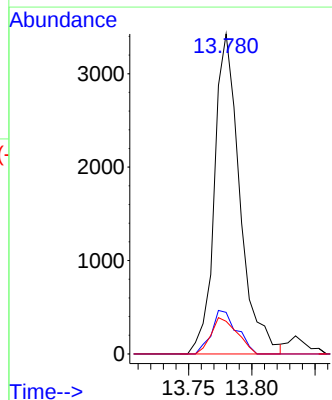
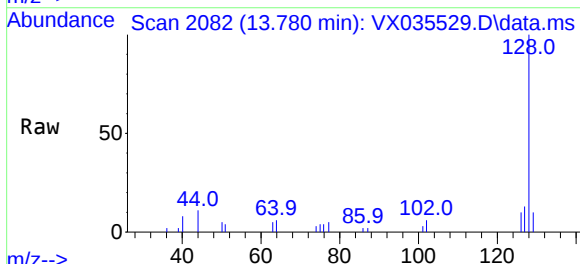
Instrument :
MSVOA_X
ClientSampleId :
TB-01-050423

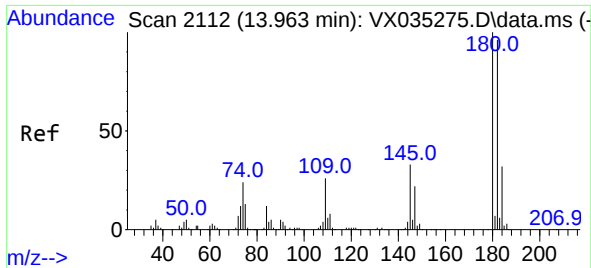
Tgt Ion:	225	Resp:	1375
Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.1	96.5
227	65.2	31.8	95.4



#95
Naphthalene
Concen: 0.345 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX035529.D
Acq: 05 May 2023 12:32

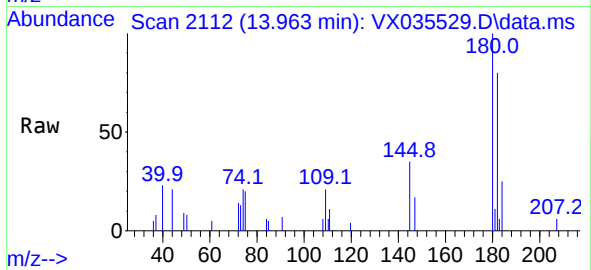
Tgt Ion:	128	Resp:	4781
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.4
129	11.6	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.357 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX035529.D
 Acq: 05 May 2023 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-050423



Tgt Ion:180 Resp: 1617
 Ion Ratio Lower Upper
 180 100
 182 89.2 48.0 144.2
 145 37.5 17.7 53.1

