

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111623\
 Data File : VX038851.D
 Acq On : 16 Nov 2023 20:31
 Operator : JC/MD
 Sample : 05403-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB02-20231107

Quant Time: Nov 16 23:07:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

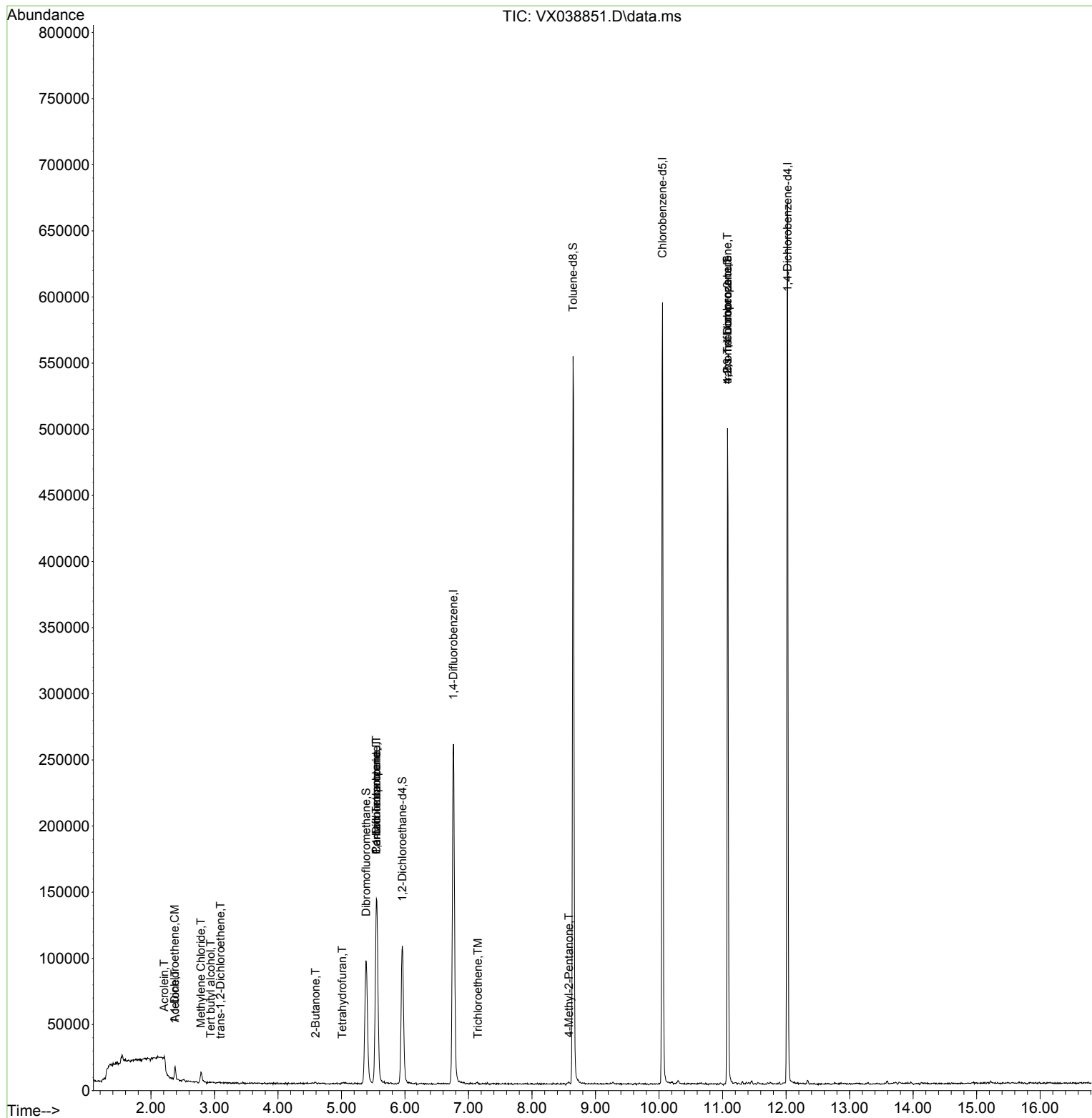
Internal Standards						
1) Pentafluorobenzene	5.550	168	130810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	266412	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98298	46.635	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.280%
35) Dibromofluoromethane	5.385	113	84900	44.125	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.240%
50) Toluene-d8	8.647	98	337396	45.831	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.660%#
62) 4-Bromofluorobenzene	11.079	95	144344	48.981	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	173	0.295	ug/l #	78
12) 1,1-Dichloroethene	2.373	96	497	0.305	ug/l #	4
13) Acrolein	2.209	56	776	2.502	ug/l #	1
16) Acetone	2.380	43	10520	9.376	ug/l	90
20) Methylene Chloride	2.788	84	3565	1.762	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	515	0.286	ug/l #	33
25) 2-Butanone	4.593	43	622	0.342	ug/l	100
29) Tetrahydrofuran	5.013	42	533	0.461	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	11715	4.248	ug/l #	53
38) Carbon Tetrachloride	5.550	117	14056	5.515	ug/l #	15
44) Trichloroethene	7.147	130	483	0.243	ug/l	54
51) 4-Methyl-2-Pentanone	8.580	43	1305	0.356	ug/l #	82
76) 1,2,3-Trichloropropane	11.079	75	71924	21.418	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	71924	47.507	ug/l #	5

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

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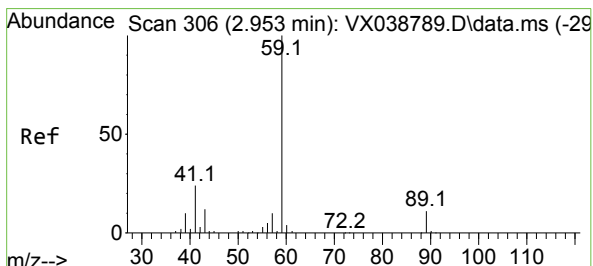
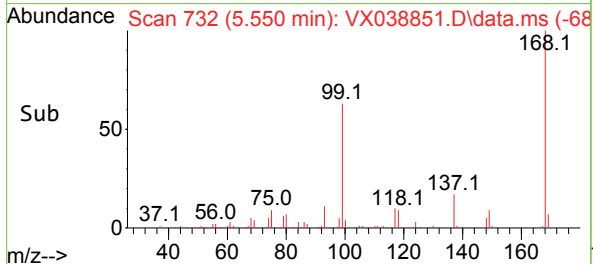
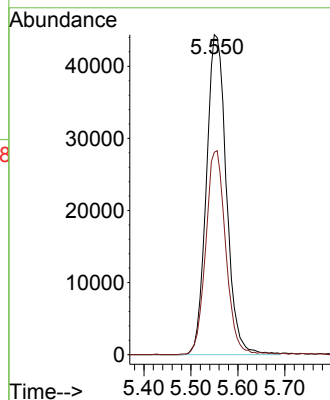
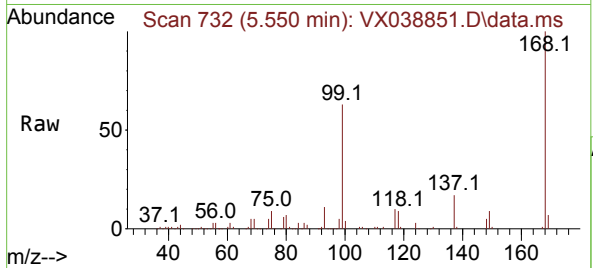




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038851.D
Acq: 16 Nov 2023 20:31

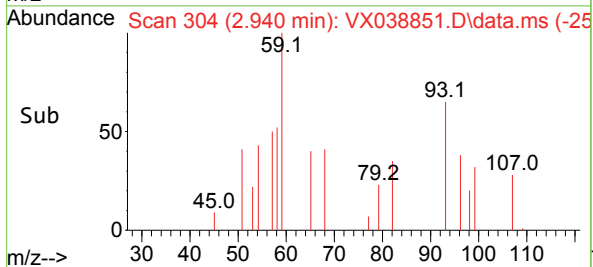
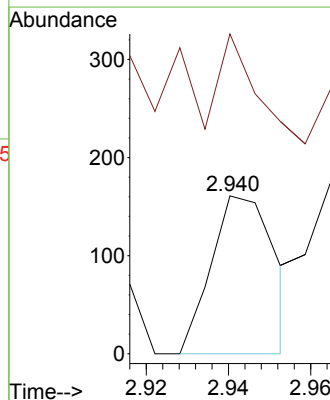
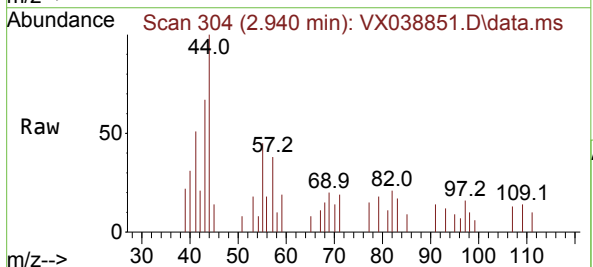
Instrument :
MSVOA_X
ClientSampleId :
TB02-20231107

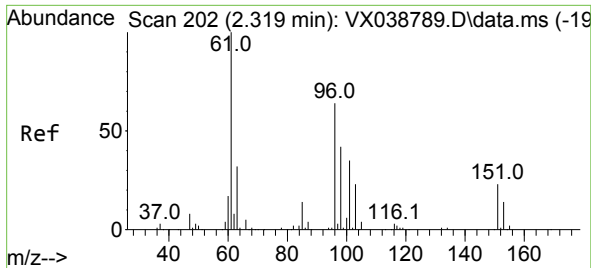
Tgt Ion:168 Resp: 130810
Ion Ratio Lower Upper
168 100
99 63.1 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.295 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX038851.D
Acq: 16 Nov 2023 20:31

Tgt Ion: 59 Resp: 173
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

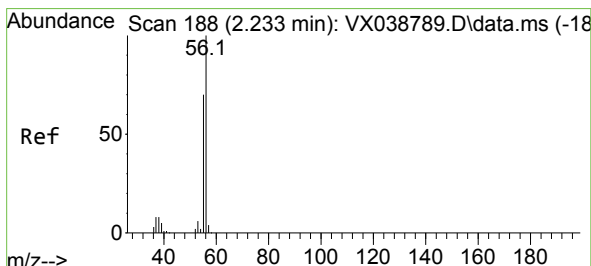
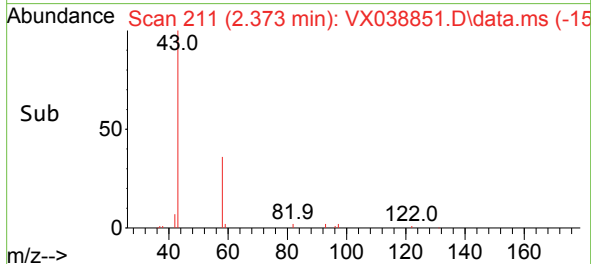
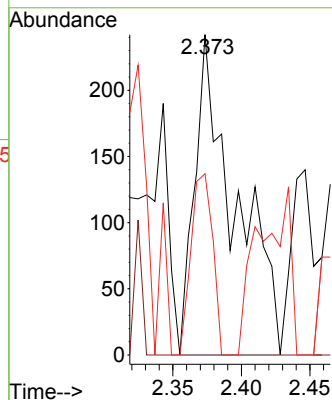
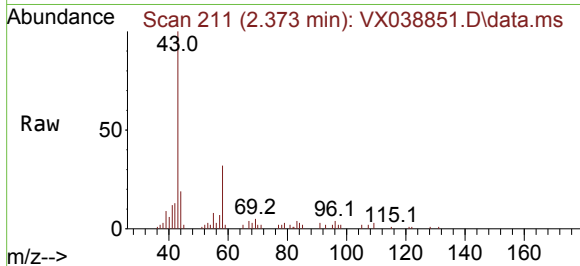




#12
1,1-Dichloroethene
Concen: 0.305 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.055 min
Lab File: VX038851.D
Acq: 16 Nov 2023 20:31

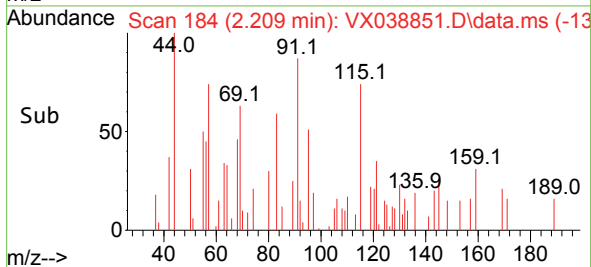
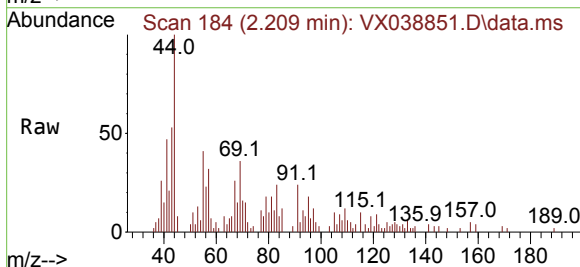
Instrument :
MSVOA_X
ClientSampleId :
TB02-20231107

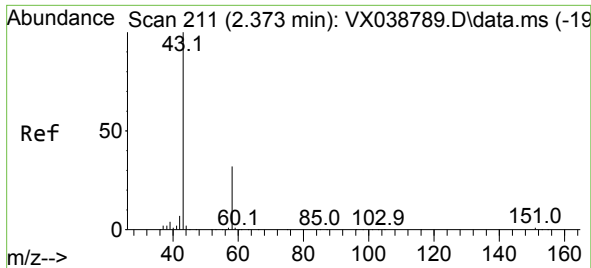
Tgt Ion: 96 Resp: 497
Ion Ratio Lower Upper
96 100
61 0.0 144.6 216.8#
98 56.6 50.4 75.6



#13
Acrolein
Concen: 2.502 ug/l
RT: 2.209 min Scan# 184
Delta R.T. -0.024 min
Lab File: VX038851.D
Acq: 16 Nov 2023 20:31

Tgt Ion: 56 Resp: 776
Ion Ratio Lower Upper
56 100
55 239.6 57.1 85.7#

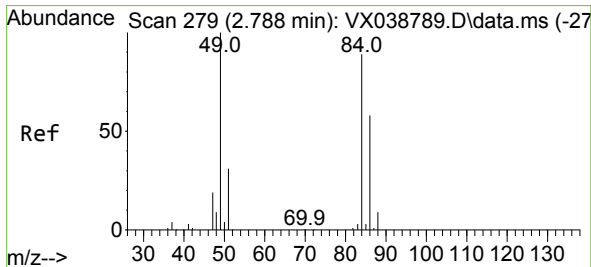
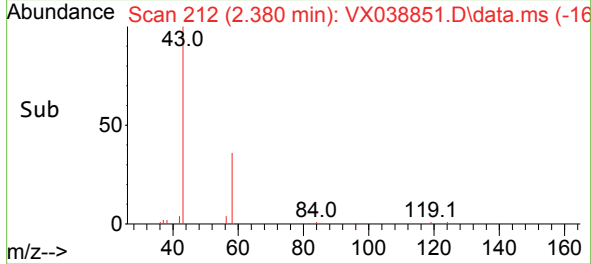
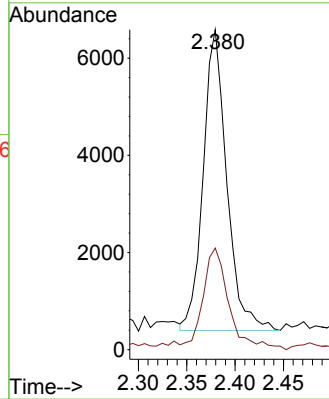
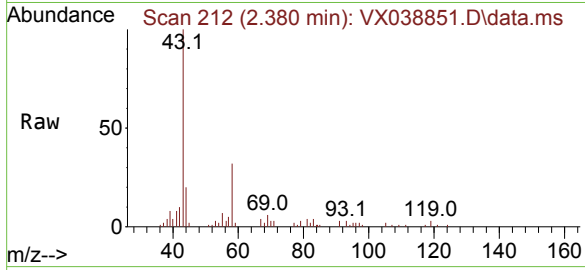




#16
Acetone
Concen: 9.376 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX038851.D
Acq: 16 Nov 2023 20:31

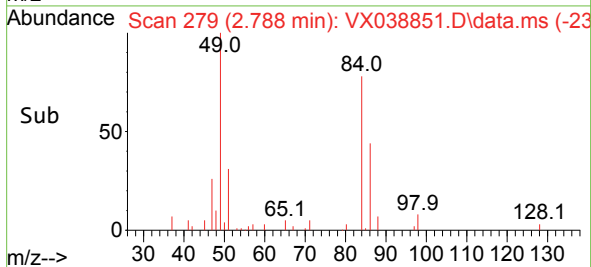
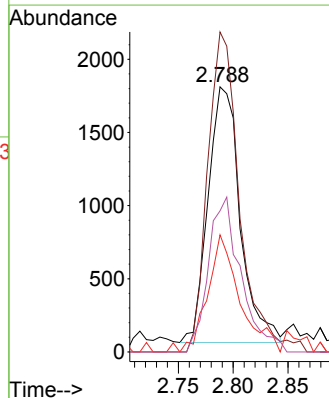
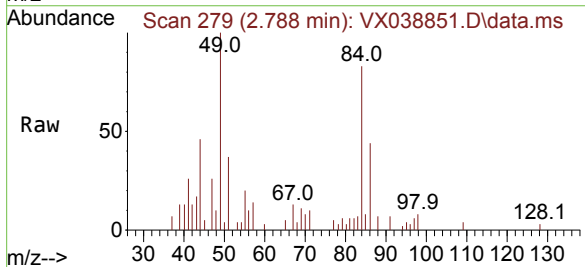
Instrument :
MSVOA_X
ClientSampleId :
TB02-20231107

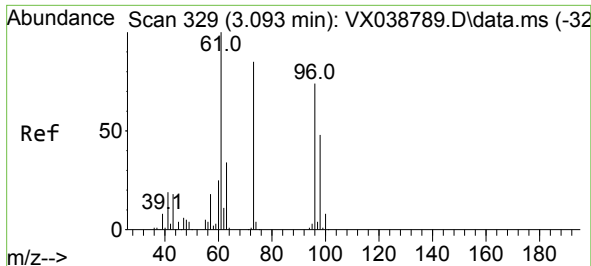
Tgt Ion: 43 Resp: 10520
Ion Ratio Lower Upper
43 100
58 32.6 21.9 32.9



#20
Methylene Chloride
Concen: 1.762 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX038851.D
Acq: 16 Nov 2023 20:31

Tgt Ion: 84 Resp: 3565
Ion Ratio Lower Upper
84 100
49 125.1 103.6 155.4
51 45.8 33.8 50.6
86 55.1 49.4 74.0

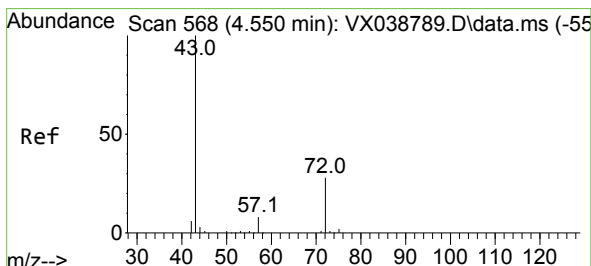
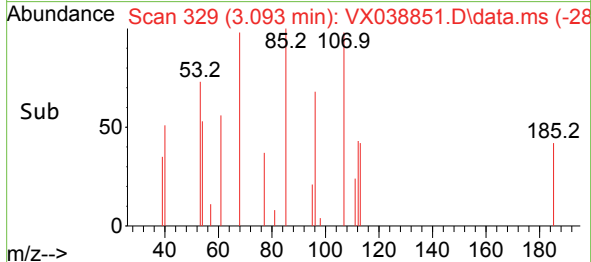
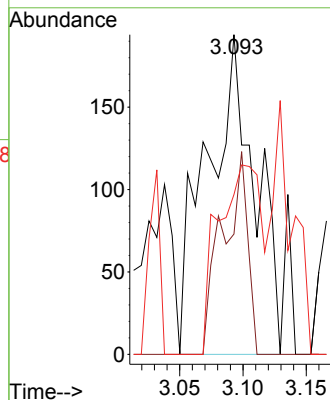
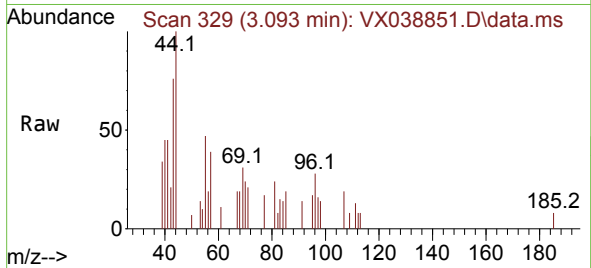




#21
trans-1,2-Dichloroethene
Concen: 0.286 ug/l
RT: 3.093 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX038851.D
Acq: 16 Nov 2023 20:31

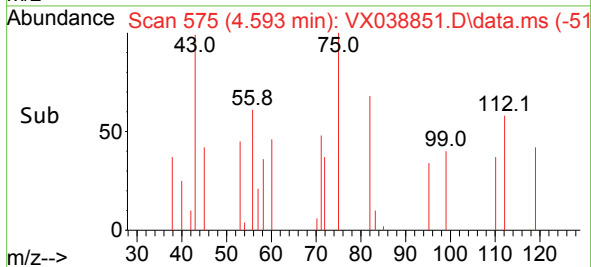
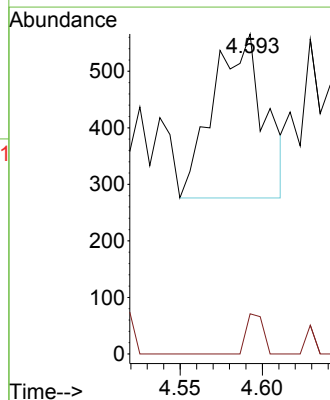
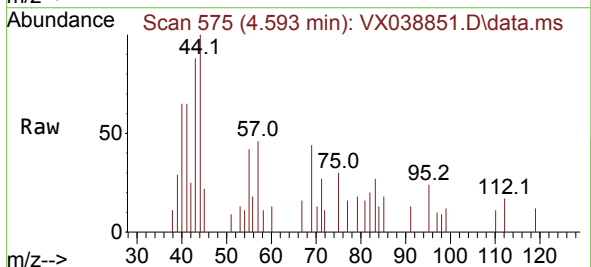
Instrument :
MSVOA_X
ClientSampleId :
TB02-20231107

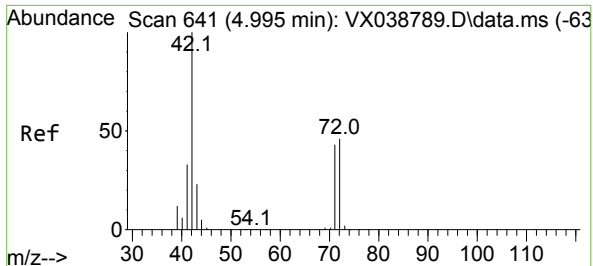
Tgt Ion: 96 Resp: 515
Ion Ratio Lower Upper
96 100
61 37.6 119.2 178.8#
98 50.0 48.7 73.1



#25
2-Butanone
Concen: 0.342 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.043 min
Lab File: VX038851.D
Acq: 16 Nov 2023 20:31

Tgt Ion: 43 Resp: 622
Ion Ratio Lower Upper
43 100
72 24.5 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.461 ug/l

RT: 5.013 min Scan# 641

Delta R.T. 0.018 min

Lab File: VX038851.D

Acq: 16 Nov 2023 20:31

Instrument :

MSVOA_X

ClientSampleId :

TB02-20231107

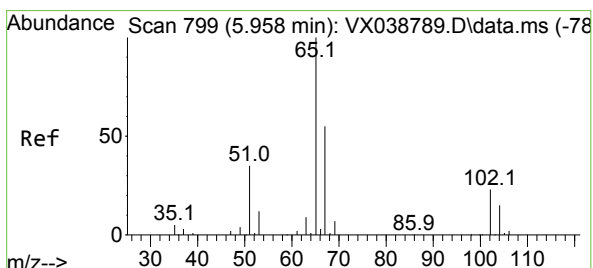
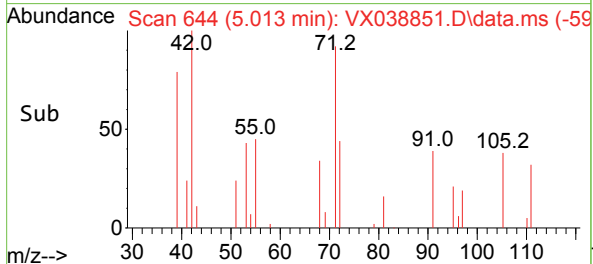
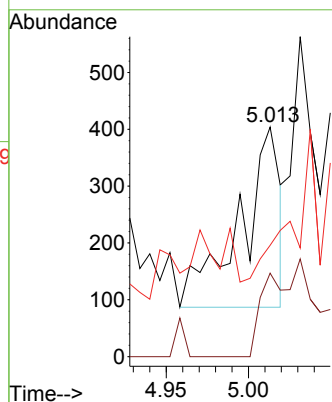
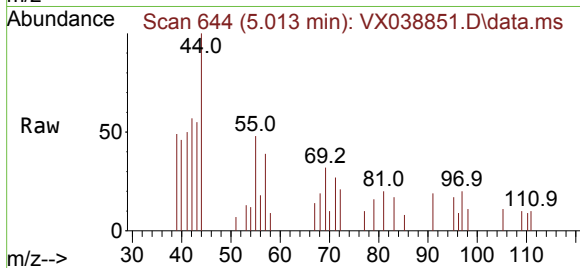
Tgt Ion: 42 Resp: 533

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#33

1,2-Dichloroethane-d4

Concen: 46.635 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX038851.D

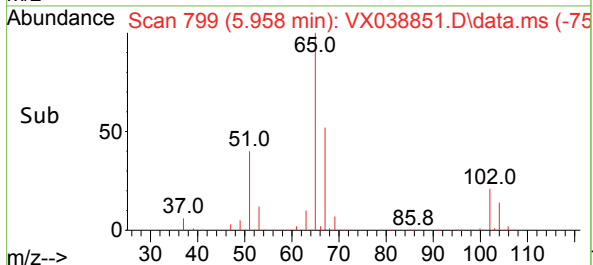
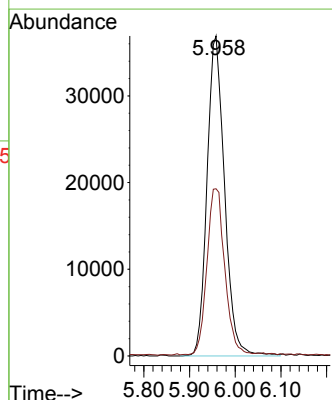
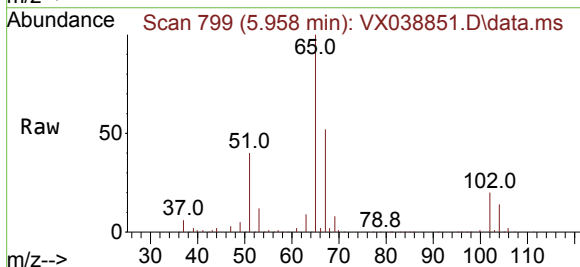
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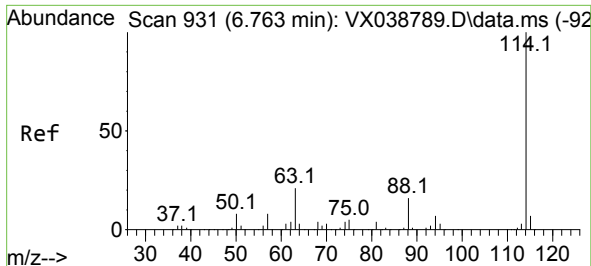
Tgt Ion: 65 Resp: 98298

Ion Ratio Lower Upper

65 100

67 52.6 0.0 100.2

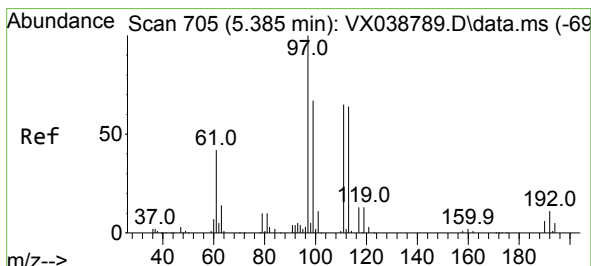
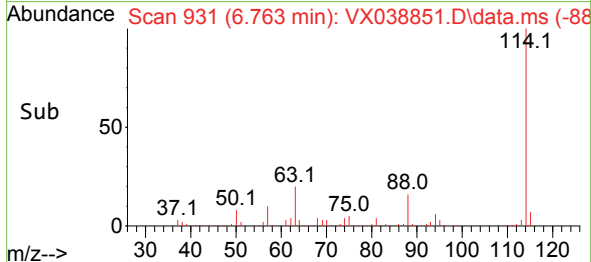
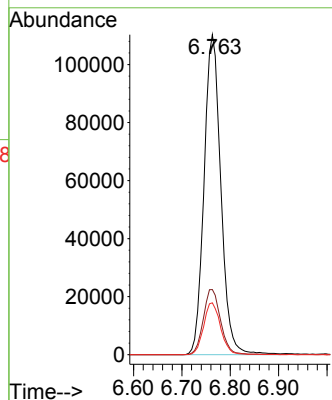
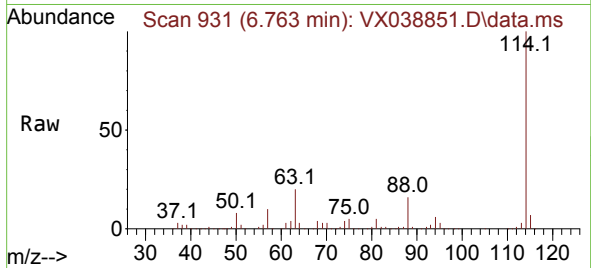




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038851.D
Acq: 16 Nov 2023 20:31

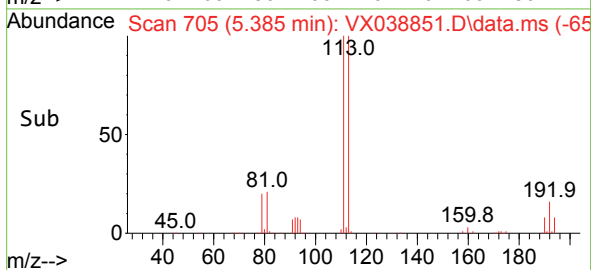
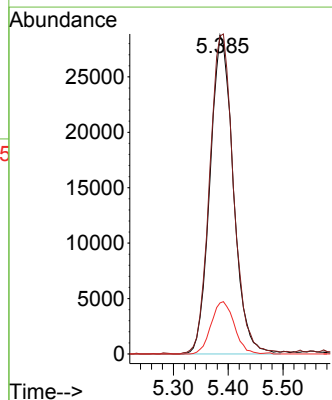
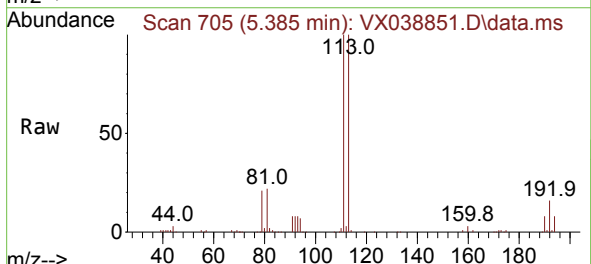
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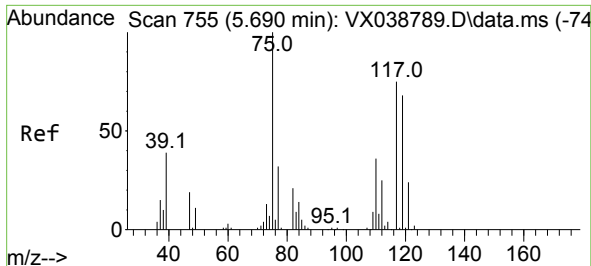
Tgt Ion:114 Resp: 266412
Ion Ratio Lower Upper
114 100
63 20.4 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.125 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038851.D
Acq: 16 Nov 2023 20:31

Tgt Ion:113 Resp: 84900
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 16.2 13.3 19.9

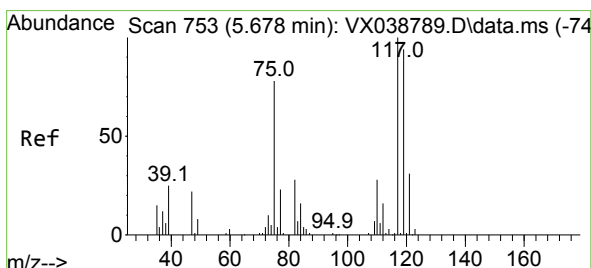
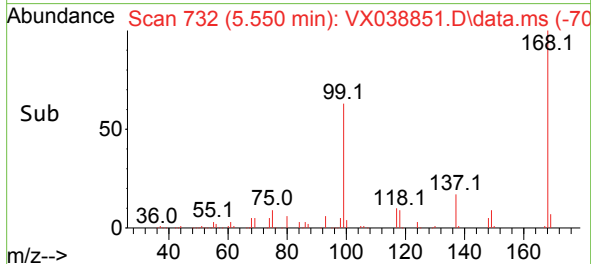
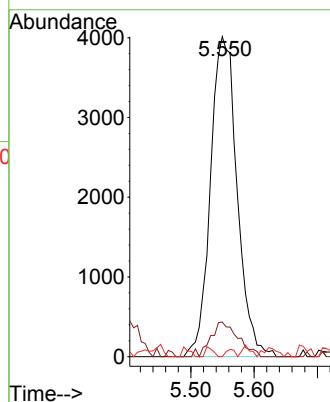
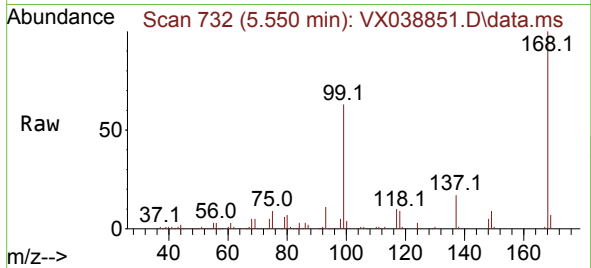




#36
 1,1-Dichloropropene
 Concen: 4.248 ug/l
 RT: 5.550 min Scan# 712
 Delta R.T. -0.140 min
 Lab File: VX038851.D
 Acq: 16 Nov 2023 20:31

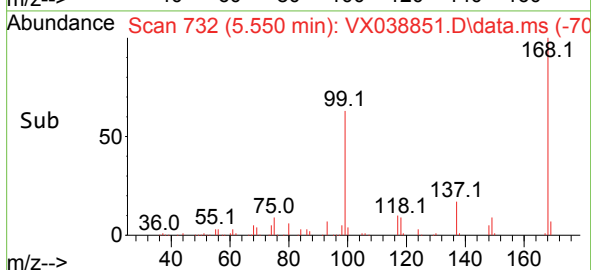
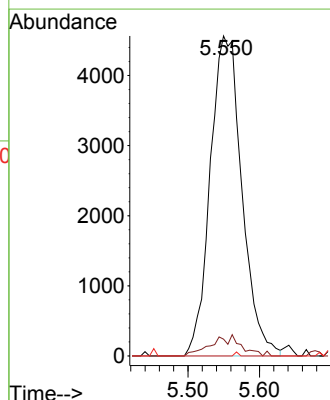
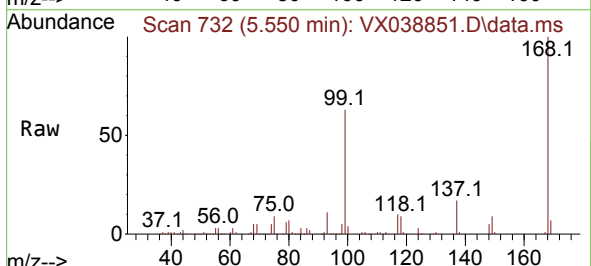
Instrument :
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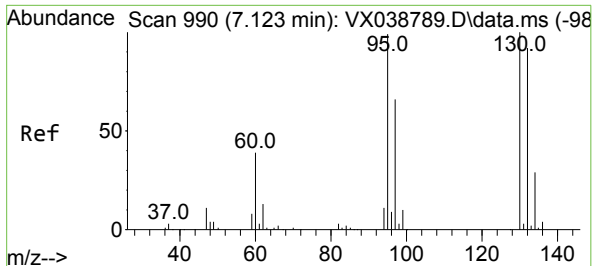
Tgt Ion: 75 Resp: 11715
 Ion Ratio Lower Upper
 75 100
 110 11.3 17.0 50.9#
 77 0.7 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.515 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.128 min
 Lab File: VX038851.D
 Acq: 16 Nov 2023 20:31

Tgt Ion: 117 Resp: 14056
 Ion Ratio Lower Upper
 117 100
 119 5.2 78.2 117.2#
 121 0.0 24.4 36.6#

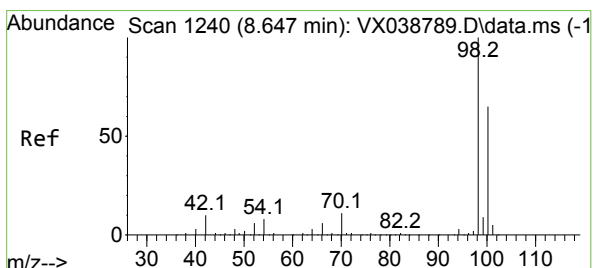
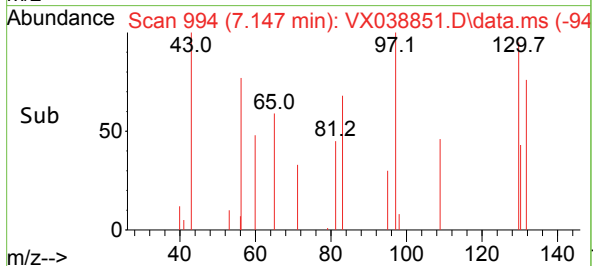
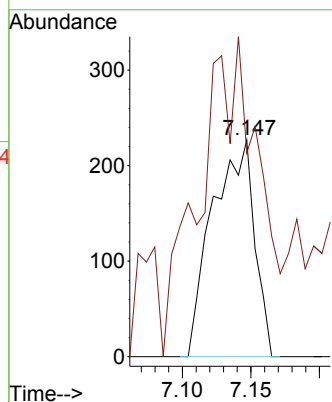
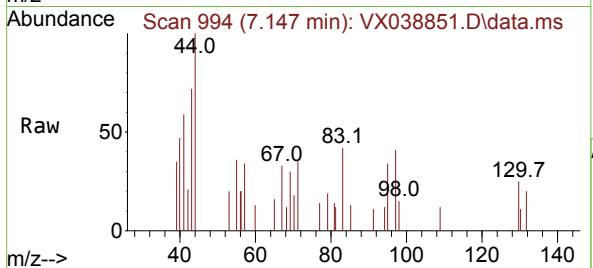




#44
Trichloroethene
Concen: 0.243 ug/l
RT: 7.147 min Scan# 994
Delta R.T. 0.024 min
Lab File: VX038851.D
Acq: 16 Nov 2023 20:31

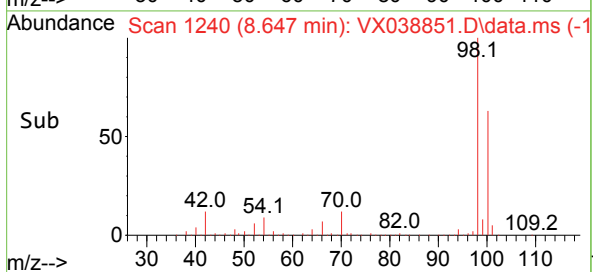
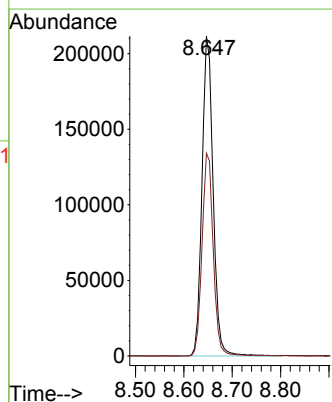
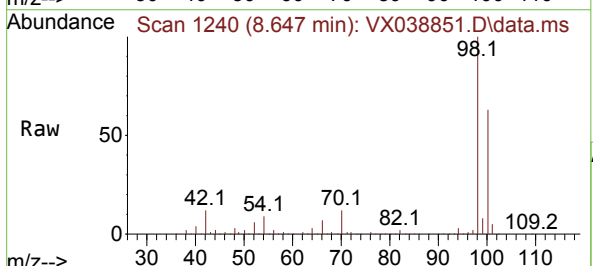
Instrument :
MSVOA_X
ClientSampleId :
TB02-20231107

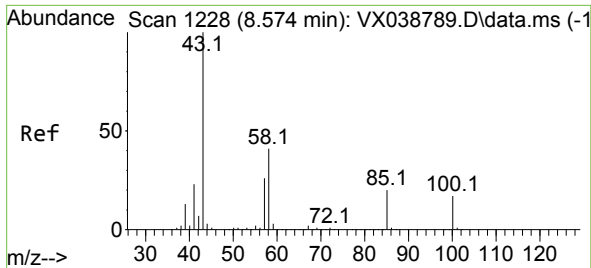
Tgt Ion:130 Resp: 483
Ion Ratio Lower Upper
130 100
95 55.5 0.0 204.4



#50
Toluene-d8
Concen: 45.831 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX038851.D
Acq: 16 Nov 2023 20:31

Tgt Ion: 98 Resp: 337396
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7

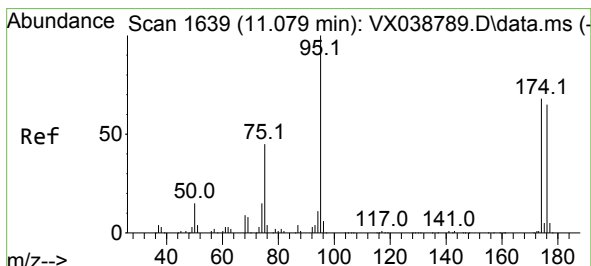
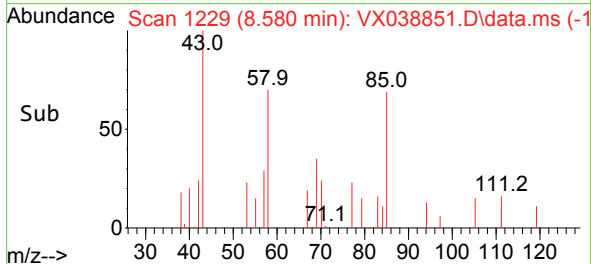
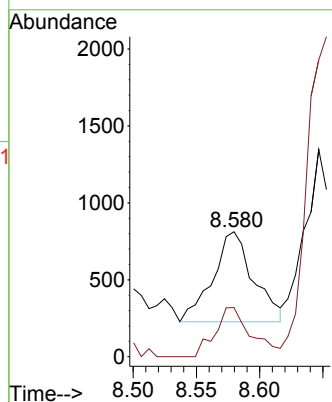
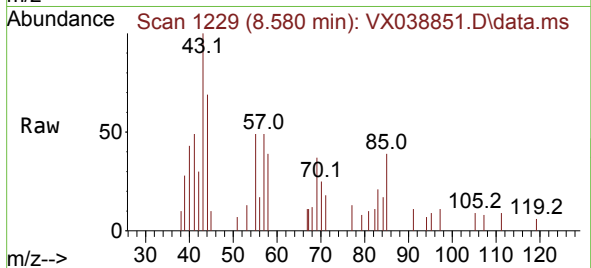




#51
4-Methyl-2-Pentanone
Concen: 0.356 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX038851.D
Acq: 16 Nov 2023 20:31

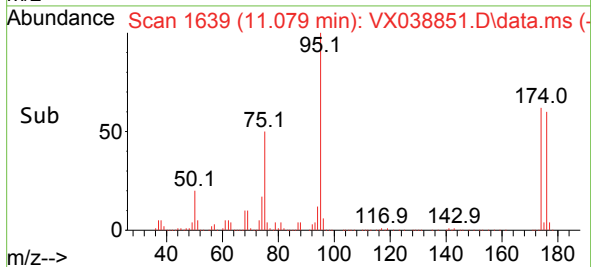
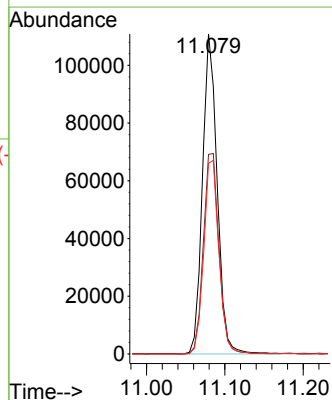
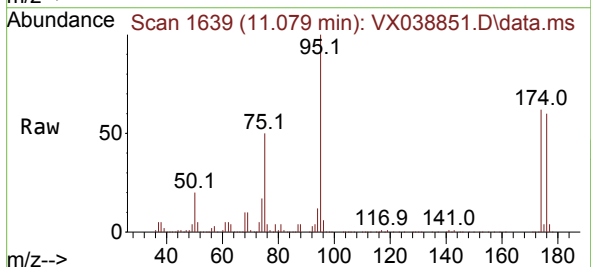
Instrument :
MSVOA_X
ClientSampleId :
TB02-20231107

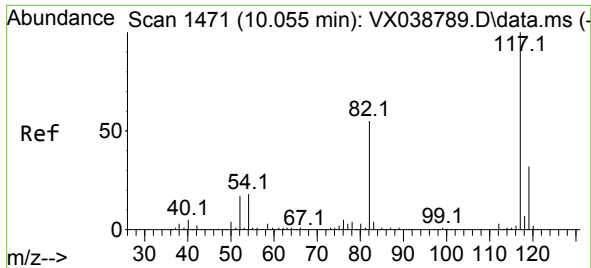
Tgt Ion: 43 Resp: 1305
Ion Ratio Lower Upper
43 100
58 48.8 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 48.981 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX038851.D
Acq: 16 Nov 2023 20:31

Tgt Ion: 95 Resp: 144344
Ion Ratio Lower Upper
95 100
174 66.7 0.0 135.6
176 62.6 0.0 131.0

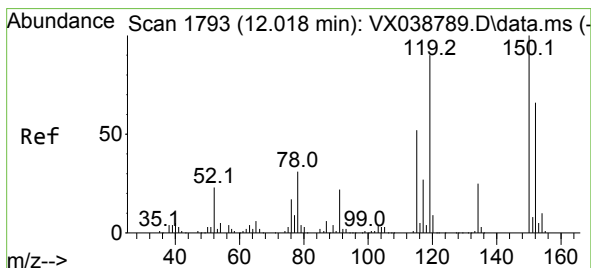
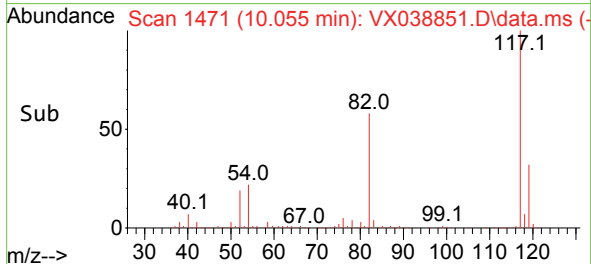
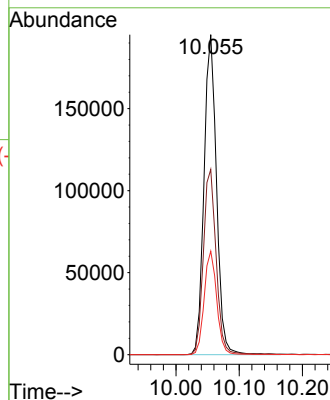
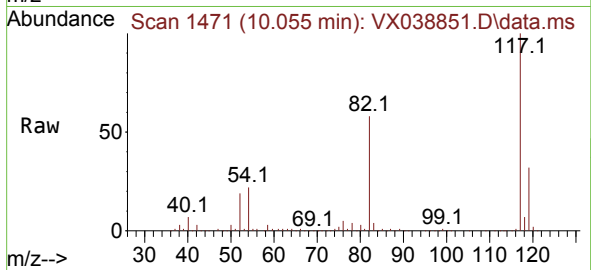




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038851.D
Acq: 16 Nov 2023 20:31

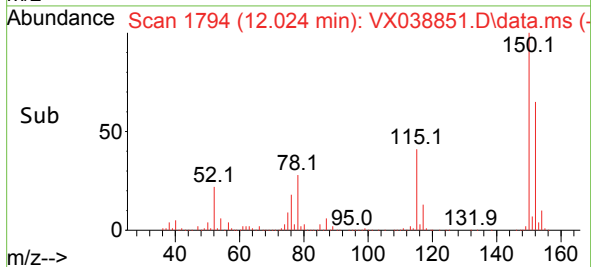
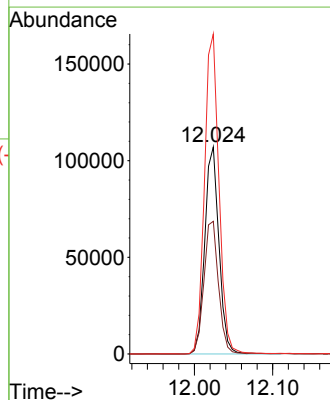
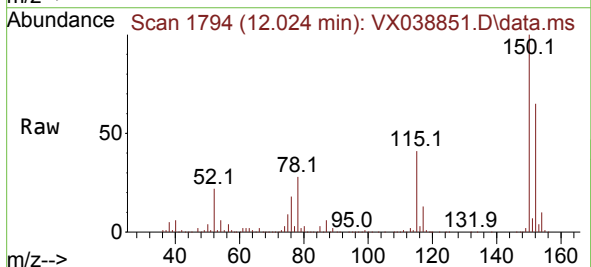
Instrument :
MSVOA_X
ClientSampleId :
TB02-20231107

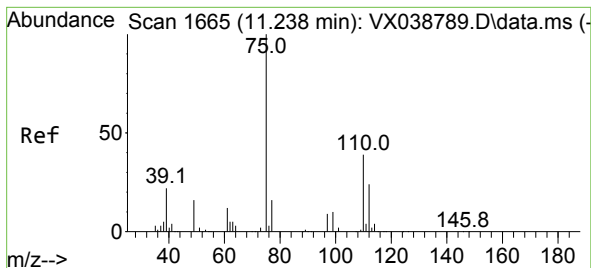
Tgt Ion:117 Resp: 268902
Ion Ratio Lower Upper
117 100
82 57.9 46.2 69.4
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038851.D
Acq: 16 Nov 2023 20:31

Tgt Ion:152 Resp: 134595
Ion Ratio Lower Upper
152 100
115 66.2 43.3 129.9
150 157.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.418 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038851.D

Acq: 16 Nov 2023 20:31

Instrument :

MSVOA_X

ClientSampleId :

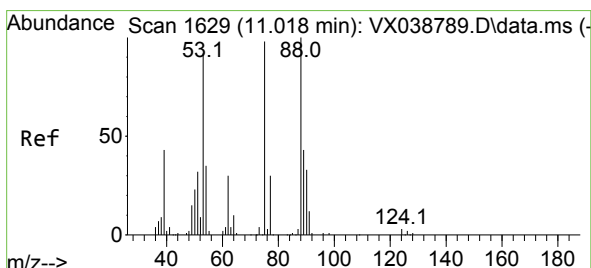
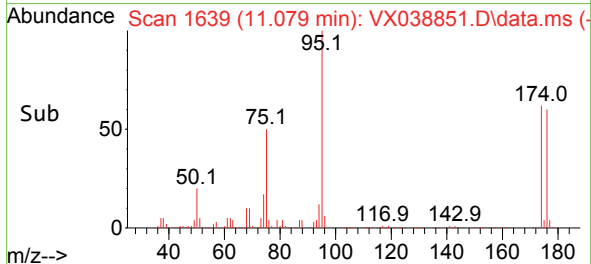
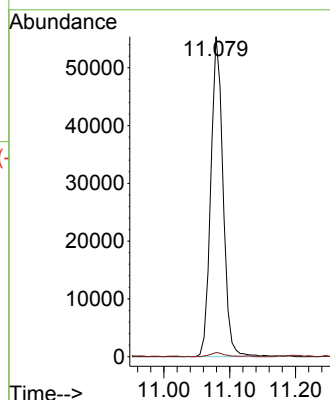
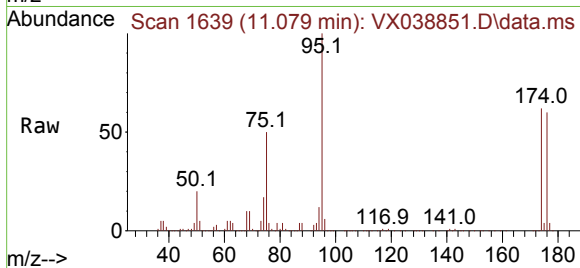
TB02-20231107

Tgt Ion: 75 Resp: 71924

Ion Ratio Lower Upper

75 100

77 1.6 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 47.507 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038851.D

Acq: 16 Nov 2023 20:31

Tgt Ion: 75 Resp: 71924

Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.0 36.9 55.3#

