

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051023\
 Data File : VX035582.D
 Acq On : 10 May 2023 13:30
 Operator : JC/MD
 Sample : 02666-01ME
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-02-050823

Quant Time: May 11 04:17:43 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)

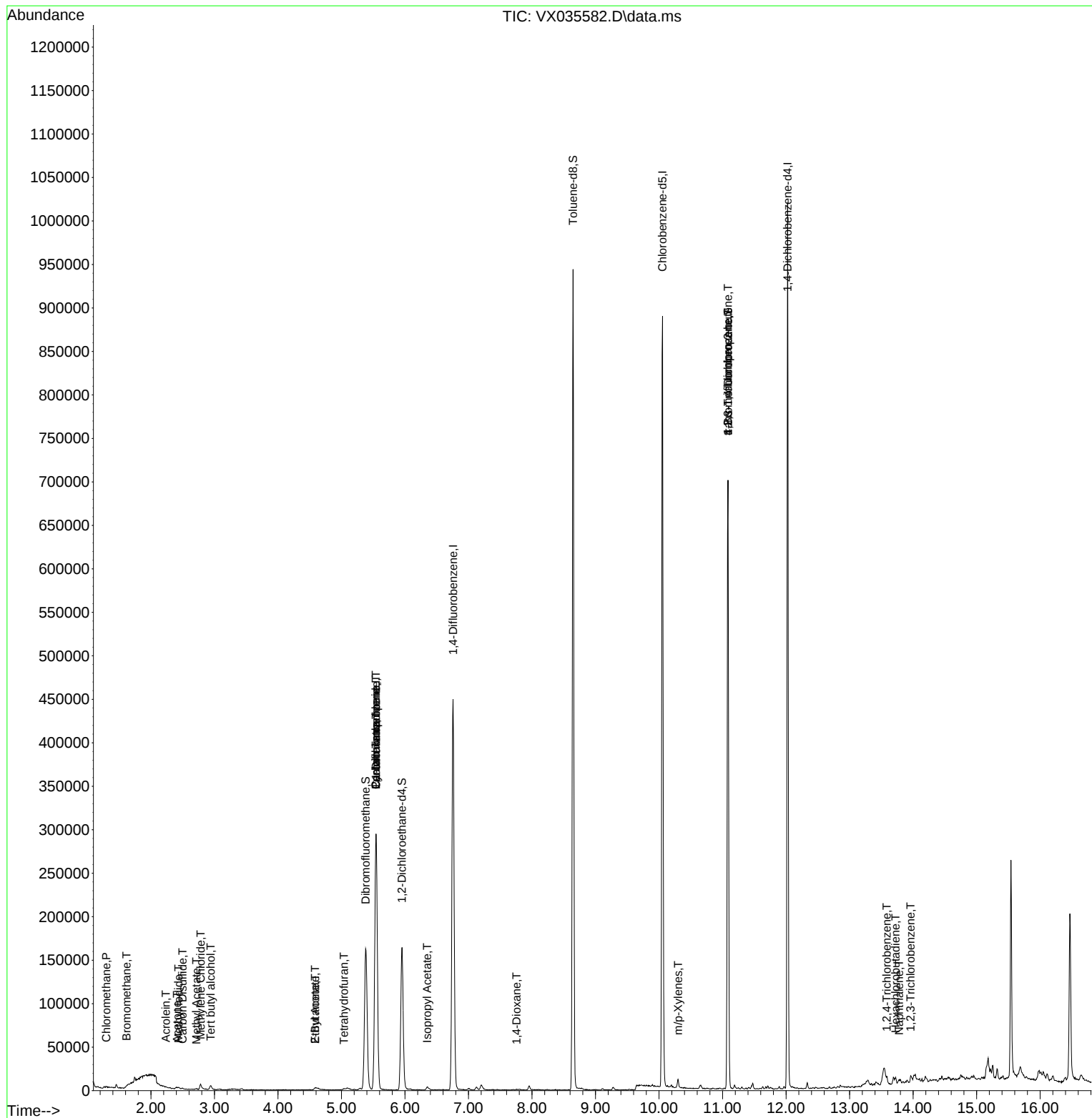
Internal Standards						
1) Pentafluorobenzene	5.544	168	306924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	491553	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	463315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	229225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	156586	42.288	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.580%		
35) Dibromofluoromethane	5.379	113	148223	49.129	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.260%		
50) Toluene-d8	8.647	98	574763	50.501	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.000%		
62) 4-Bromofluorobenzene	11.085	95	226012	52.789	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.580%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	1894	0.641	ug/l #	85
5) Bromomethane	1.618	94	821	0.417	ug/l	88
10) Methyl Iodide	2.434	142	1641	0.420	ug/l #	90
11) Tert butyl alcohol	2.940	59	2921	4.332	ug/l #	73
13) Acrolein	2.233	56	425	0.641	ug/l #	40
16) Acetone	2.410	43	1998	1.242	ug/l #	88
17) Carbon Disulfide	2.495	76	1606	0.225	ug/l #	85
18) Methyl Acetate	2.715	43	1313	0.211	ug/l #	85
20) Methylene Chloride	2.782	84	3394	0.920	ug/l	89
25) 2-Butanone	4.587	43	5601	2.386	ug/l	96
29) Tetrahydrofuran	5.038	42	1431	0.951	ug/l #	74
31) Cyclohexane	5.544	56	4991	0.950	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	20030	4.252	ug/l #	51
37) Ethyl Acetate	4.587	43	5601	1.302	ug/l #	70
38) Carbon Tetrachloride	5.544	117	28347	6.339	ug/l #	16
43) Isopropyl Acetate	6.348	43	1766	0.244	ug/l #	62
49) 1,4-Dioxane	7.757	88	458	5.298	ug/l #	27
68) m/p-Xylenes	10.299	106	2344	0.352	ug/l	90
76) 1,2,3-Trichloropropane	11.085	75	104001	22.745	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.085	75	104001	73.666	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.585	180	1499	0.301	ug/l	95
94) Hexachlorobutadiene	13.725	225	1010	0.462	ug/l	95
95) Naphthalene	13.780	128	3666	0.239	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1493	0.298	ug/l	86

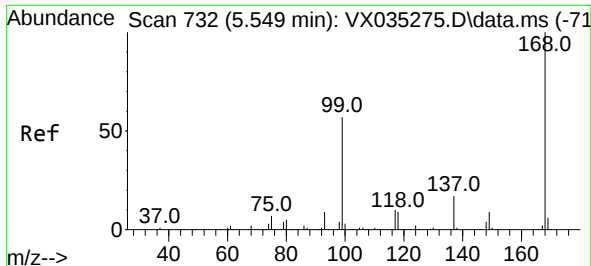
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 11 04:17:43 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

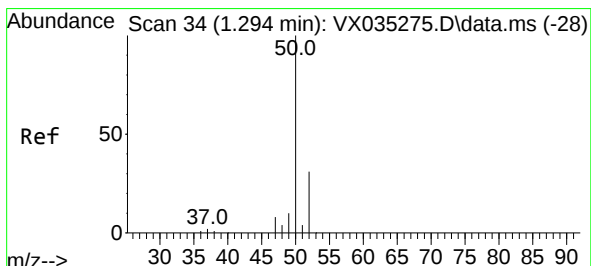
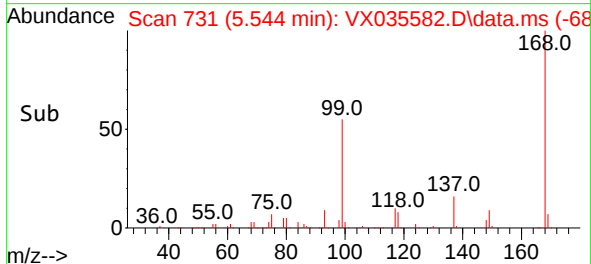
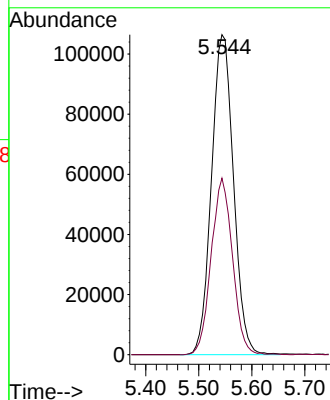
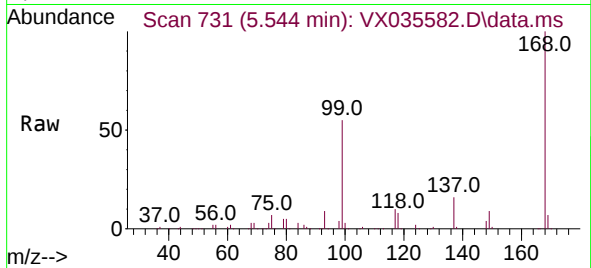




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.005 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

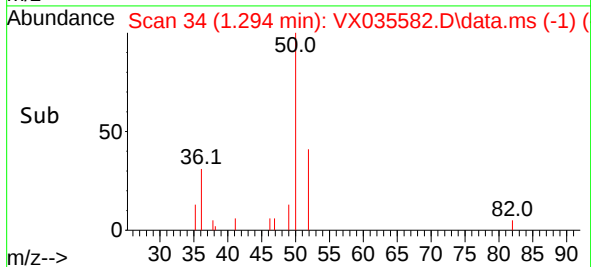
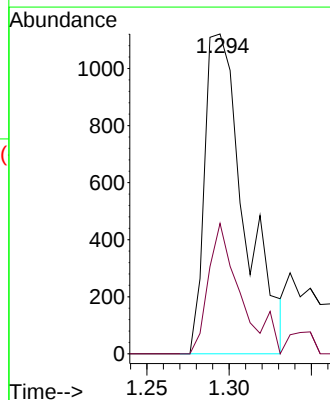
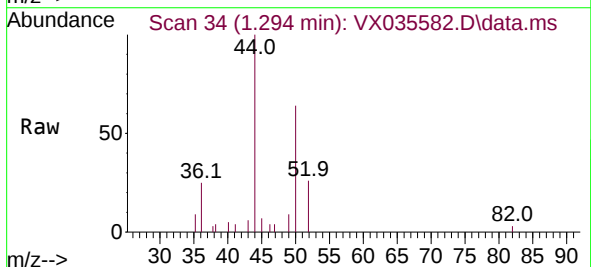
Instrument :
MSVOA_X
ClientSampleId :
BU-02-050823

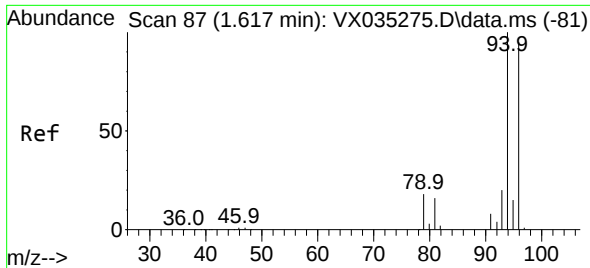
Tgt Ion:168 Resp: 306924
Ion Ratio Lower Upper
168 100
99 55.1 45.7 68.5



#3
Chloromethane
Concen: 0.641 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

Tgt Ion: 50 Resp: 1894
Ion Ratio Lower Upper
50 100
52 40.8 25.9 38.9#

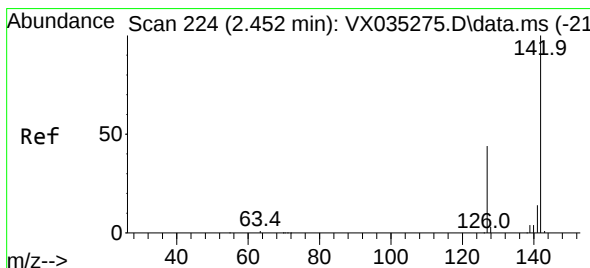
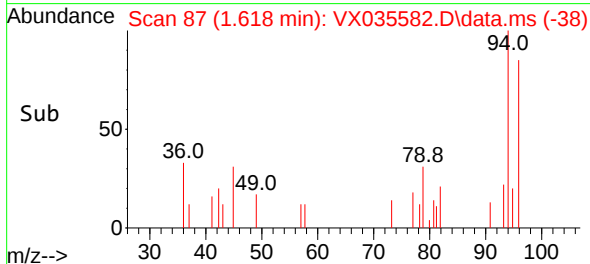
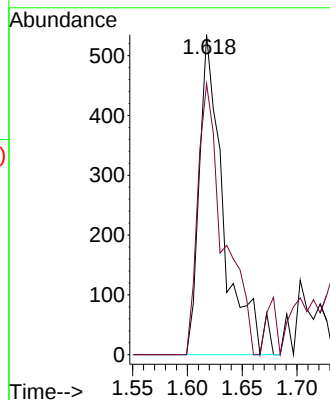
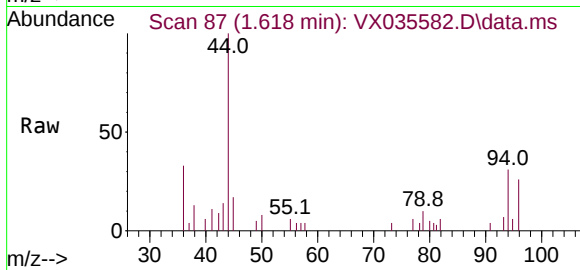




#5
Bromomethane
Concen: 0.417 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.001 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

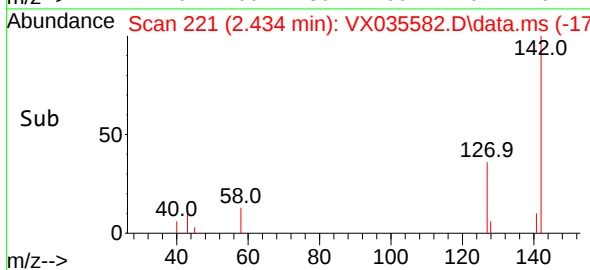
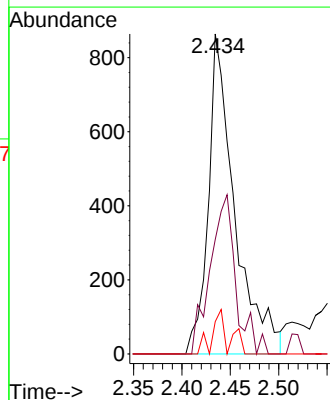
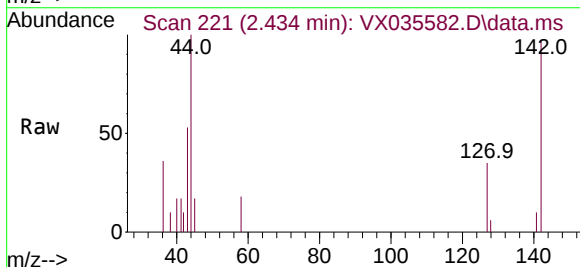
Instrument :
MSVOA_X
ClientSampleId :
BU-02-050823

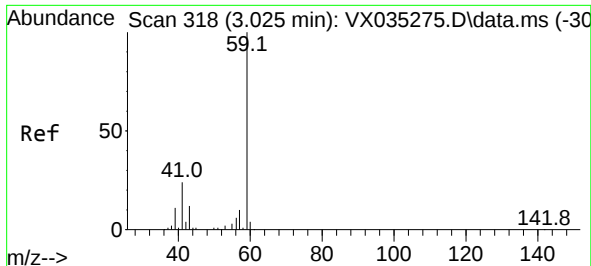
Tgt Ion: 94 Resp: 821
Ion Ratio Lower Upper
94 100
96 84.7 77.0 115.6



#10
Methyl Iodide
Concen: 0.420 ug/l
RT: 2.434 min Scan# 221
Delta R.T. -0.018 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

Tgt Ion: 142 Resp: 1641
Ion Ratio Lower Upper
142 100
127 48.2 34.0 51.0
141 8.6 11.1 16.7#





#11

Tert butyl alcohol

Concen: 4.332 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.085 min

Lab File: VX035582.D

Acq: 10 May 2023 13:30

Instrument :

MSVOA_X

ClientSampleId :

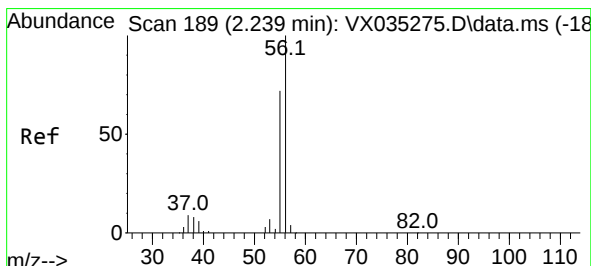
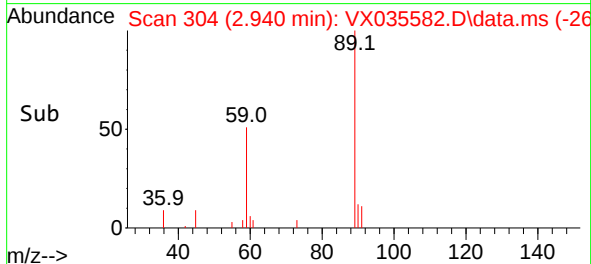
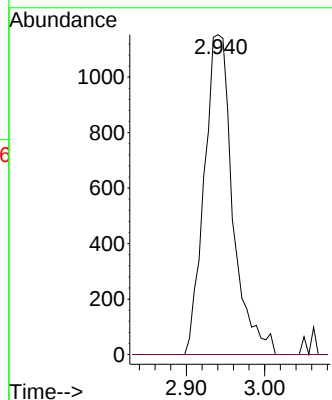
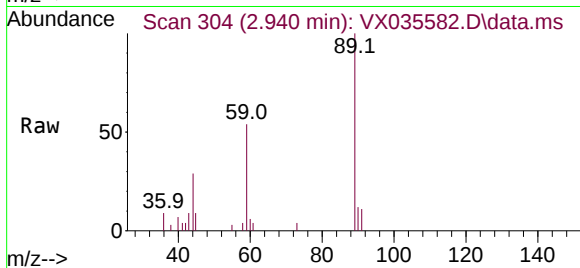
BU-02-050823

Tgt Ion: 59 Resp: 2921

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 0.641 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX035582.D

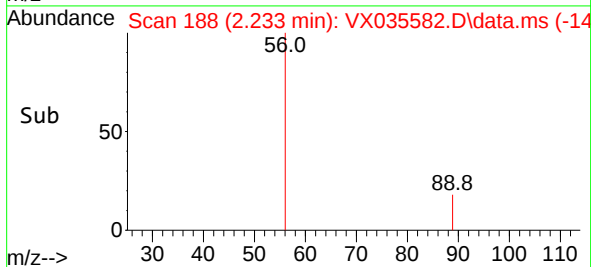
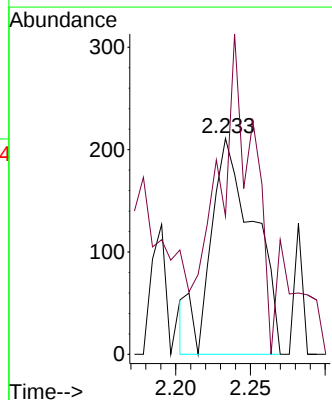
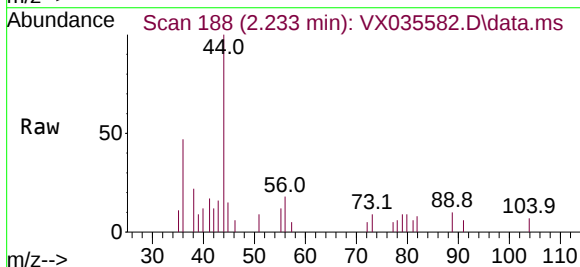
Acq: 10 May 2023 13:30

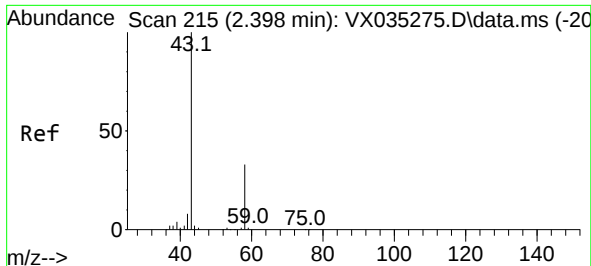
Tgt Ion: 56 Resp: 425

Ion Ratio Lower Upper

56 100

55 120.5 56.6 85.0#

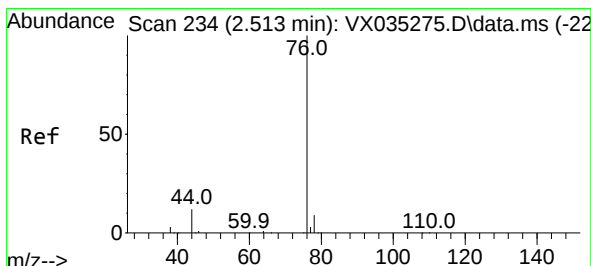
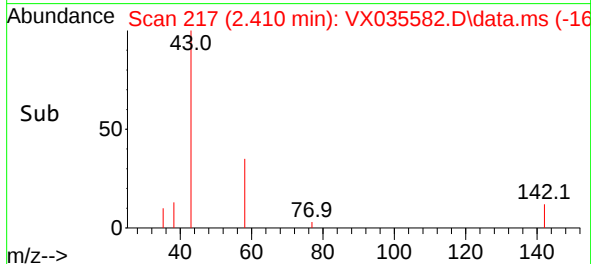
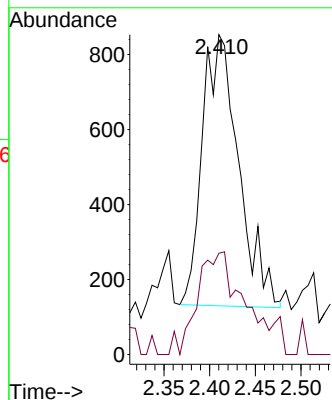
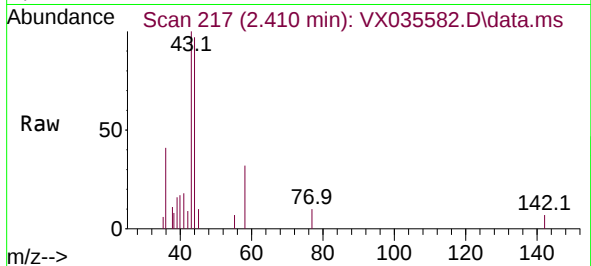




#16
Acetone
Concen: 1.242 ug/l
RT: 2.410 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

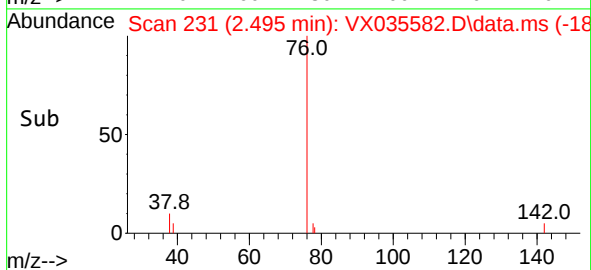
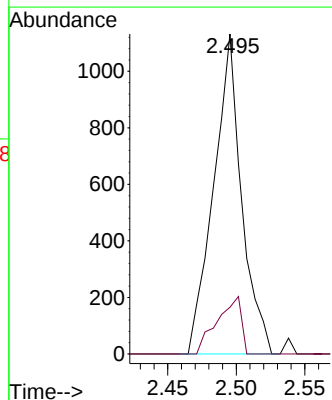
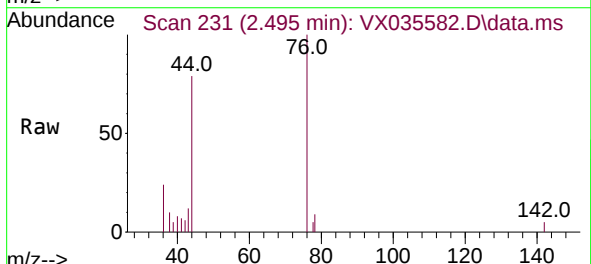
Instrument :
MSVOA_X
ClientSampleId :
BU-02-050823

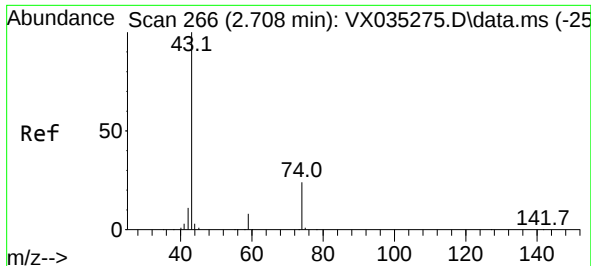
Tgt Ion: 43 Resp: 1998
Ion Ratio Lower Upper
43 100
58 37.5 24.7 37.1#



#17
Carbon Disulfide
Concen: 0.225 ug/l
RT: 2.495 min Scan# 231
Delta R.T. -0.018 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

Tgt Ion: 76 Resp: 1606
Ion Ratio Lower Upper
76 100
78 14.6 7.2 10.8#





#18

Methyl Acetate

Concen: 0.211 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.007 min

Lab File: VX035582.D

Acq: 10 May 2023 13:30

Instrument :

MSVOA_X

ClientSampleId :

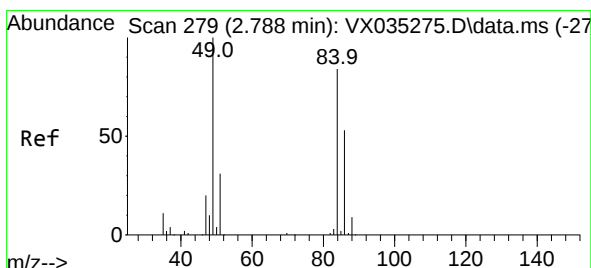
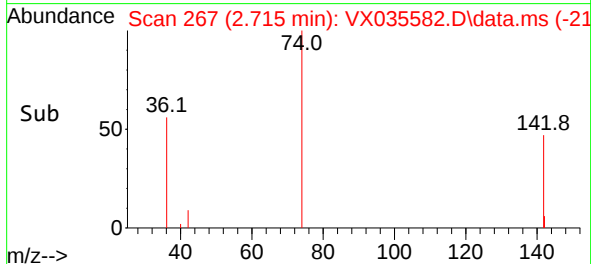
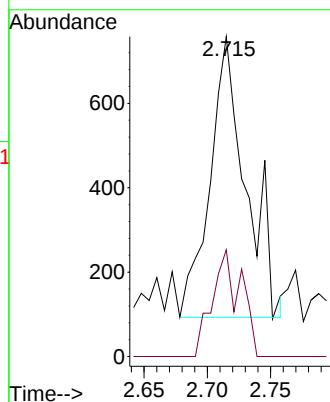
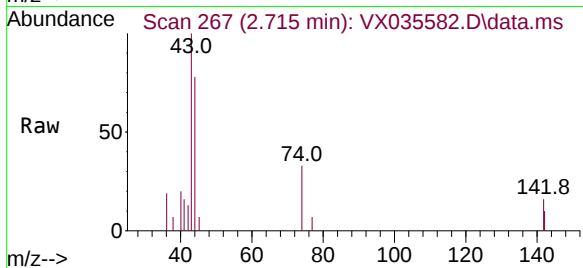
BU-02-050823

Tgt Ion: 43 Resp: 1313

Ion Ratio Lower Upper

43 100

74 30.3 18.3 27.5#



#20

Methylene Chloride

Concen: 0.920 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX035582.D

Acq: 10 May 2023 13:30

Tgt Ion: 84 Resp: 3394

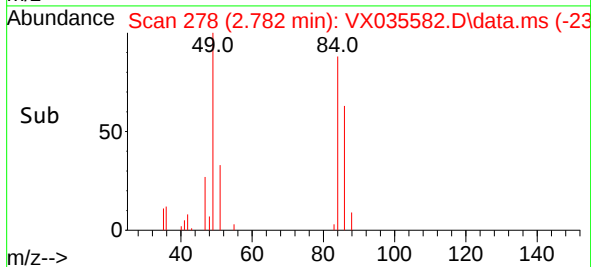
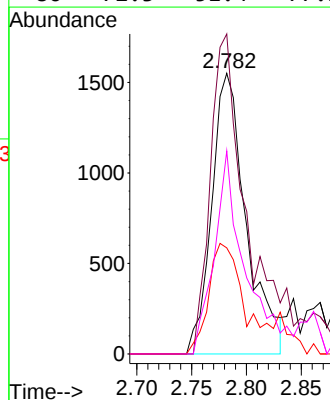
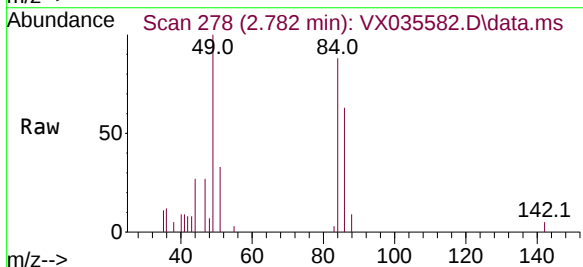
Ion Ratio Lower Upper

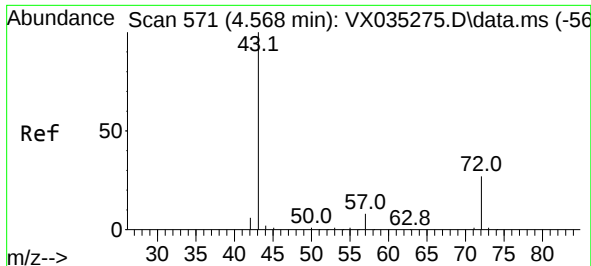
84 100

49 114.0 103.8 155.8

51 37.8 31.8 47.8

86 72.3 51.4 77.2

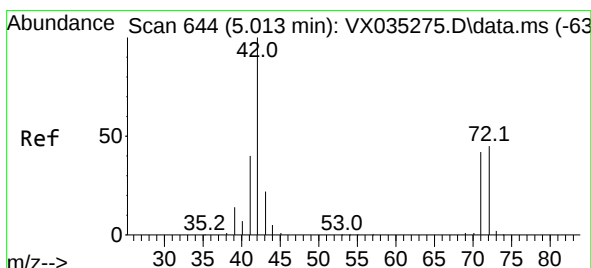
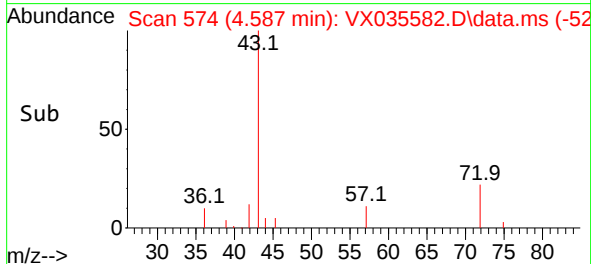
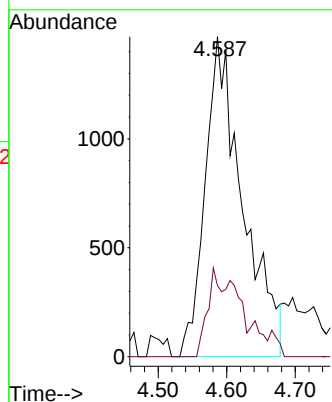
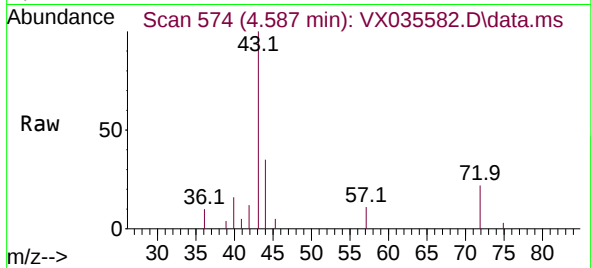




#25
2-Butanone
Concen: 2.386 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

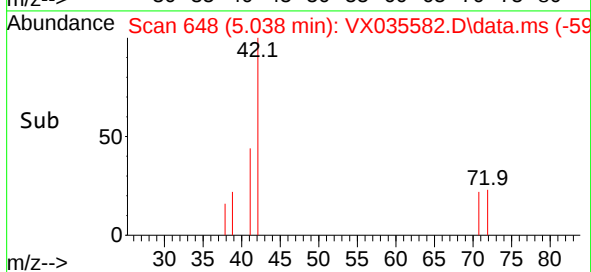
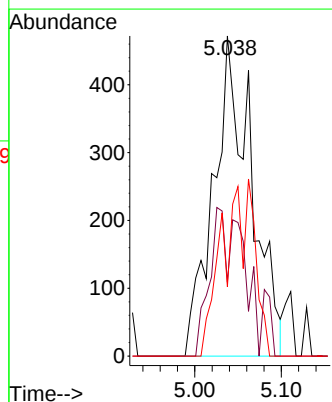
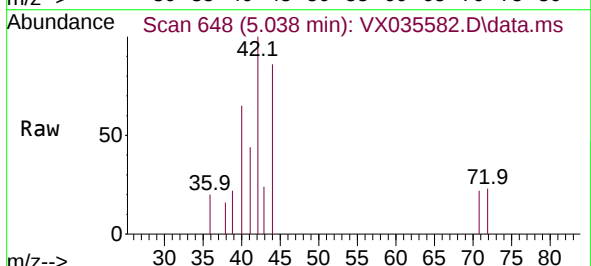
Instrument :
MSVOA_X
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BU-02-050823

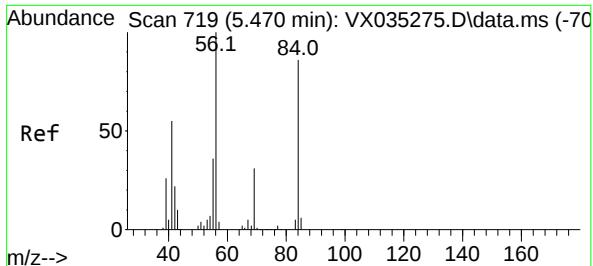
Tgt Ion: 43 Resp: 5601
Ion Ratio Lower Upper
43 100
72 22.2 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.951 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

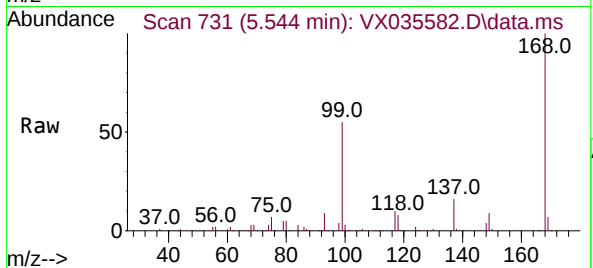
Tgt Ion: 42 Resp: 1431
Ion Ratio Lower Upper
42 100
72 19.6 34.5 51.7#
71 30.6 32.1 48.1#



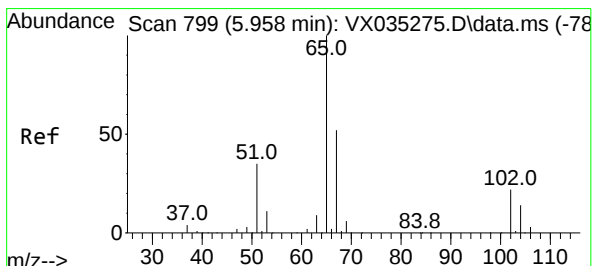
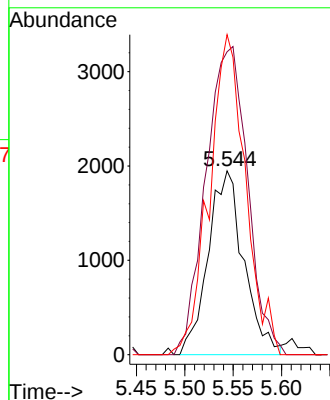
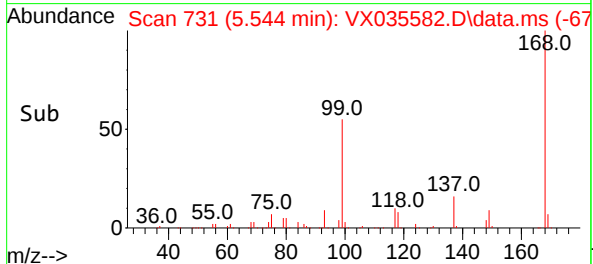


#31
Cyclohexane
Concen: 0.950 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

Instrument :
MSVOA_X
ClientSampleId :
BU-02-050823

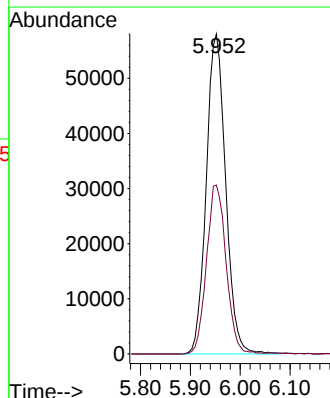
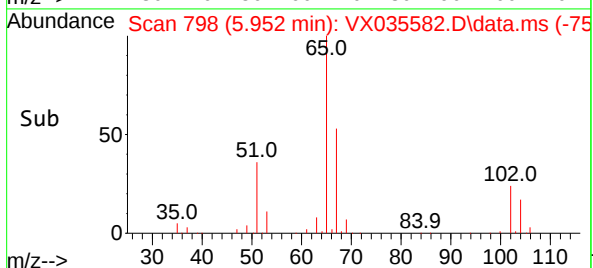
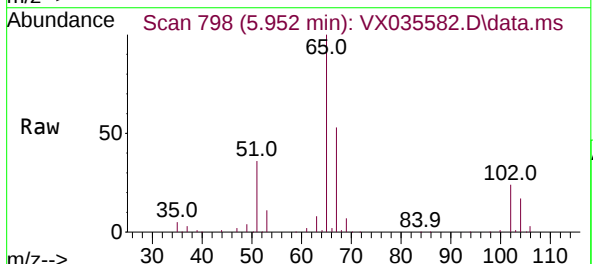


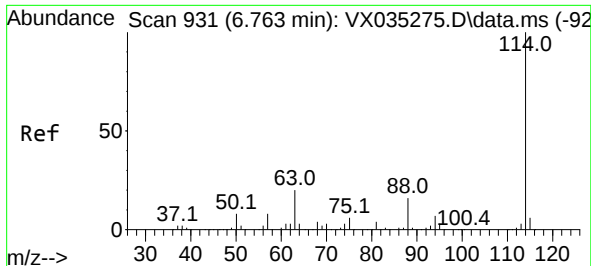
Tgt Ion: 56 Resp: 4991
Ion Ratio Lower Upper
56 100
69 159.7 23.7 35.5#
84 174.1 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 42.288 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

Tgt Ion: 65 Resp: 156586
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.0

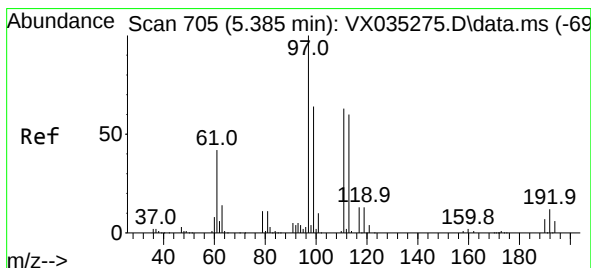
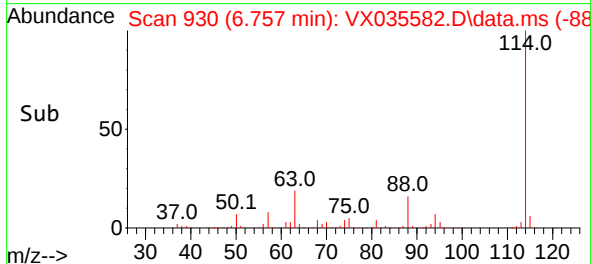
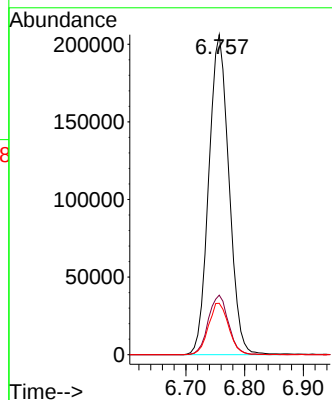
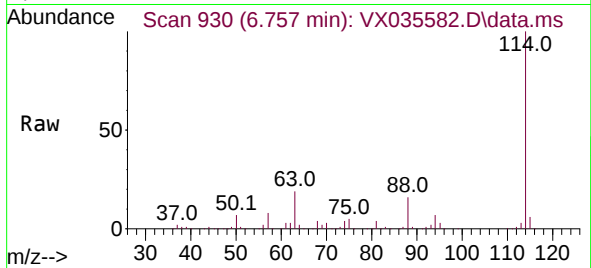




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

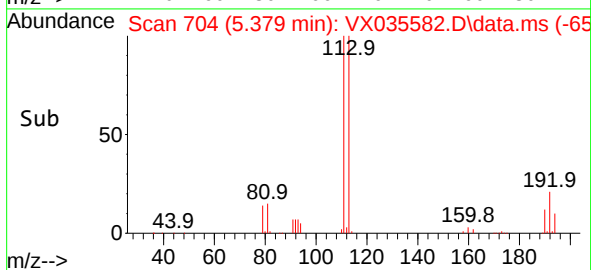
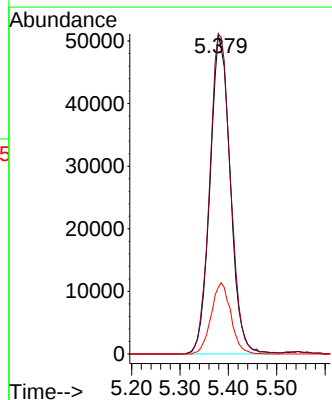
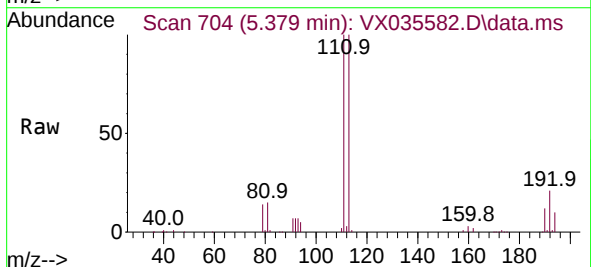
Instrument :
MSVOA_X
ClientSampleId :
BU-02-050823

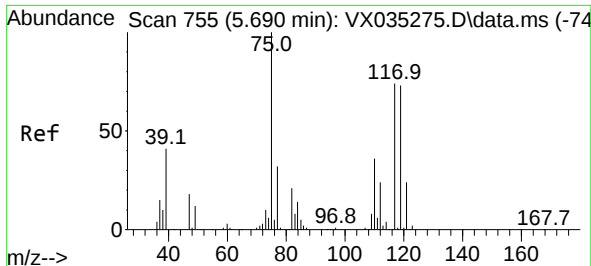
Tgt Ion:114 Resp: 491553
Ion Ratio Lower Upper
114 100
63 18.6 0.0 42.2
88 16.1 0.0 33.2



#35
Dibromofluoromethane
Concen: 49.129 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

Tgt Ion:113 Resp: 148223
Ion Ratio Lower Upper
113 100
111 103.2 83.7 125.5
192 21.7 15.4 23.2

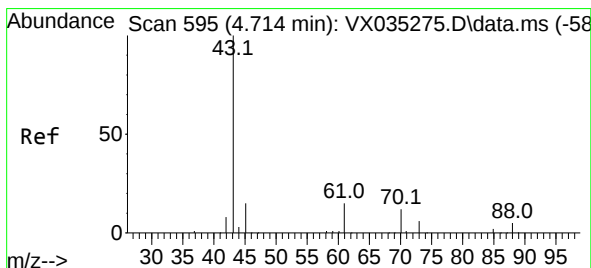
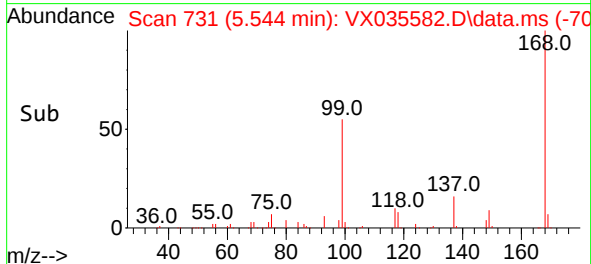
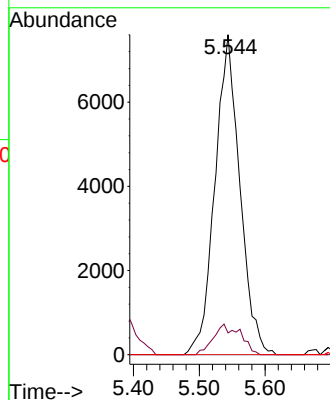
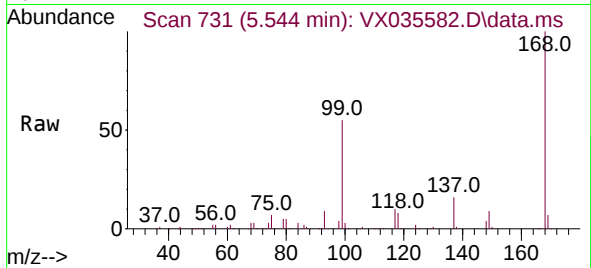




#36
1,1-Dichloropropene
Concen: 4.252 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

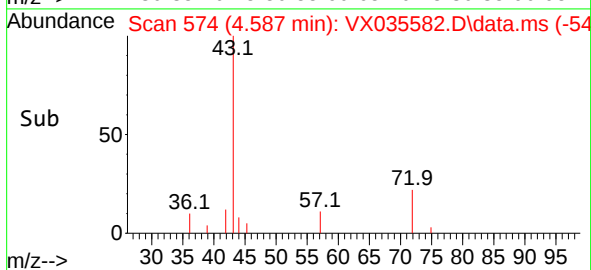
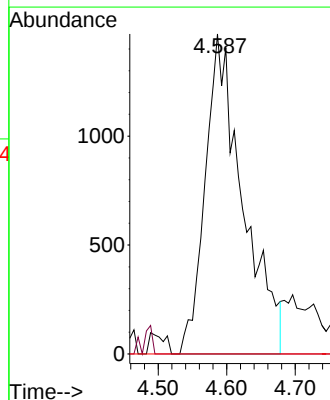
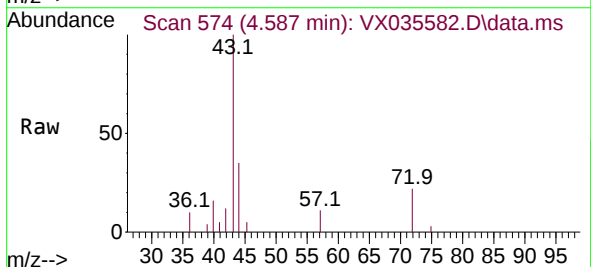
Instrument :
MSVOA_X
ClientSampleId :
BU-02-050823

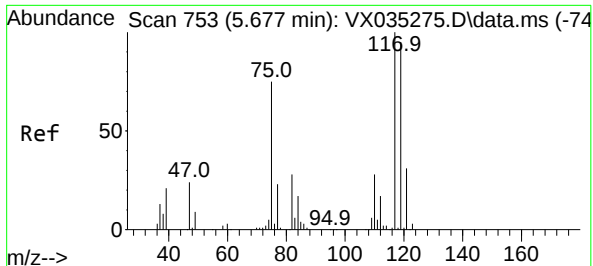
Tgt Ion: 75 Resp: 20030
Ion Ratio Lower Upper
75 100
110 10.4 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 1.302 ug/l
RT: 4.587 min Scan# 574
Delta R.T. -0.127 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

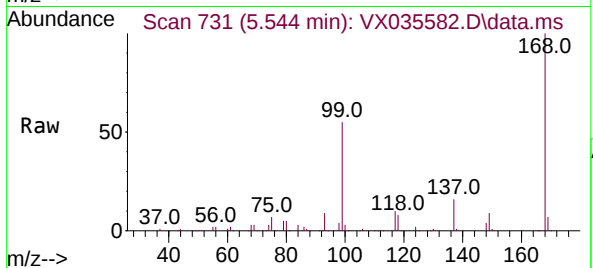
Tgt Ion: 43 Resp: 5601
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.2 12.4#



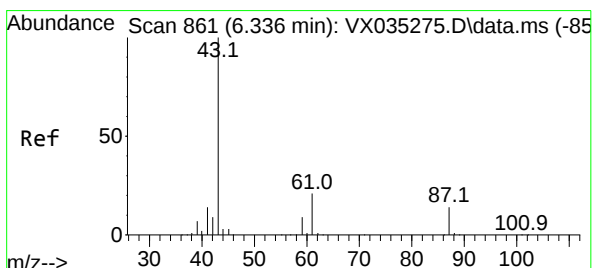
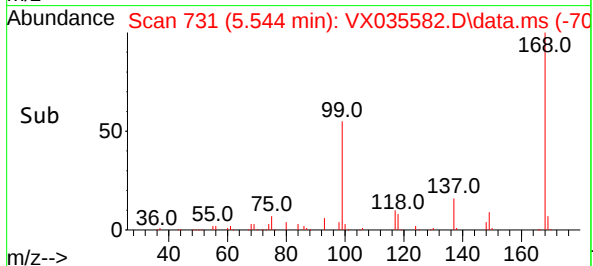
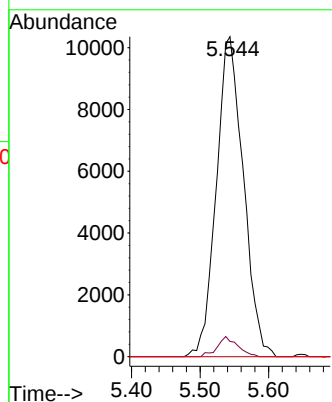


#38
Carbon Tetrachloride
Concen: 6.339 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.133 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

Instrument :
MSVOA_X
ClientSampleId :
BU-02-050823

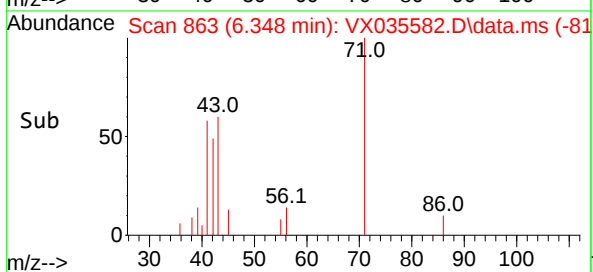
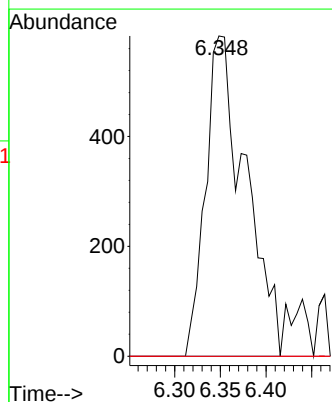
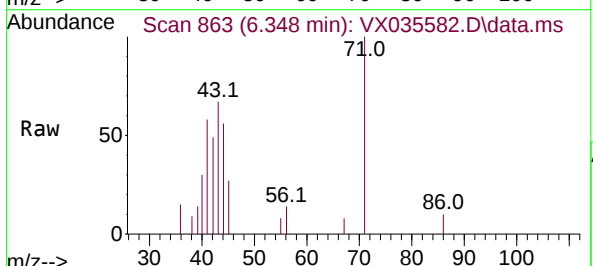


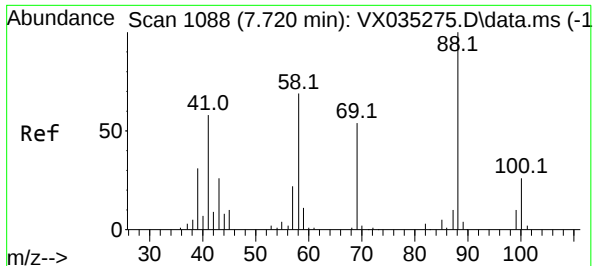
Tgt Ion:117 Resp: 28347
Ion Ratio Lower Upper
117 100
119 4.7 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 0.244 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

Tgt Ion: 43 Resp: 1766
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.8#





#49

1,4-Dioxane

Concen: 5.298 ug/l

RT: 7.757 min Scan# 1094

Delta R.T. 0.037 min

Lab File: VX035582.D

Acq: 10 May 2023 13:30

Instrument :

MSVOA_X

ClientSampleId :

BU-02-050823

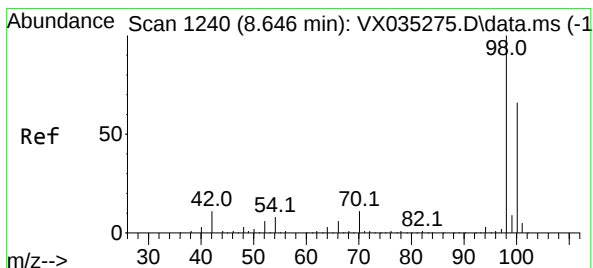
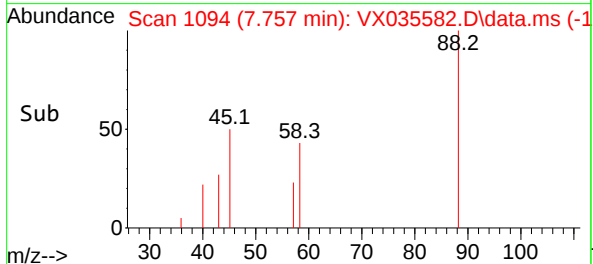
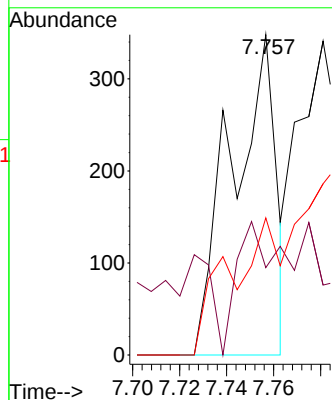
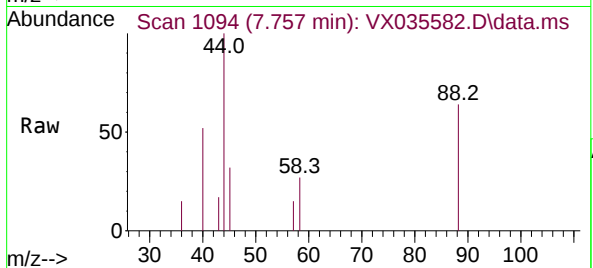
Tgt Ion: 88 Resp: 458

Ion Ratio Lower Upper

88 100

43 61.8 27.7 41.5#

58 0.0 56.8 85.2#



#50

Toluene-d8

Concen: 50.501 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX035582.D

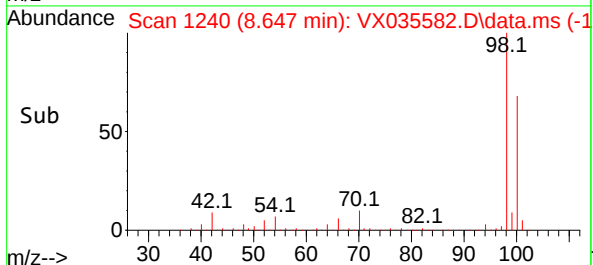
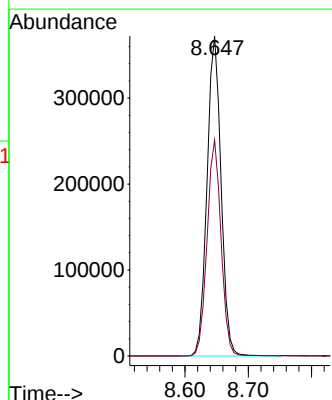
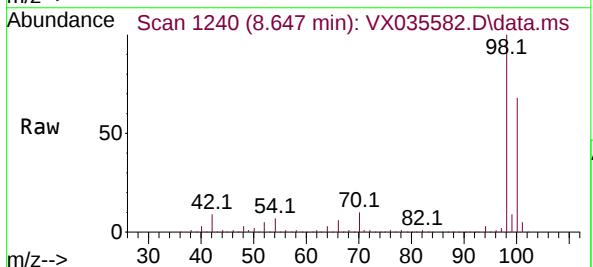
Acq: 10 May 2023 13:30

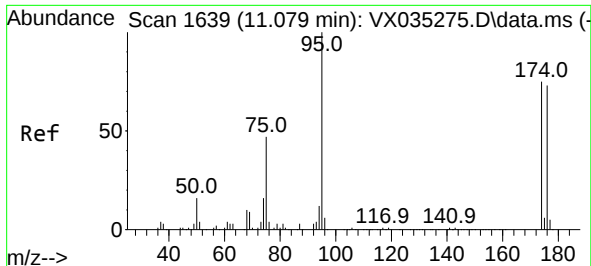
Tgt Ion: 98 Resp: 574763

Ion Ratio Lower Upper

98 100

100 67.2 52.5 78.7





#62

4-Bromofluorobenzene

Concen: 52.789 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX035582.D

Acq: 10 May 2023 13:30

Instrument :

MSVOA_X

ClientSampleId :

BU-02-050823

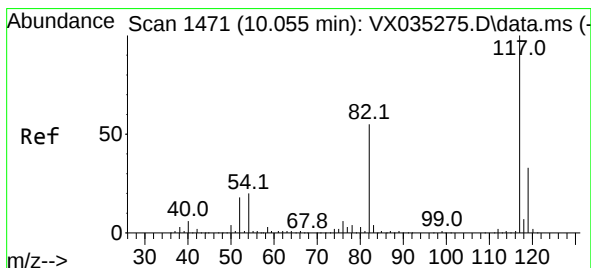
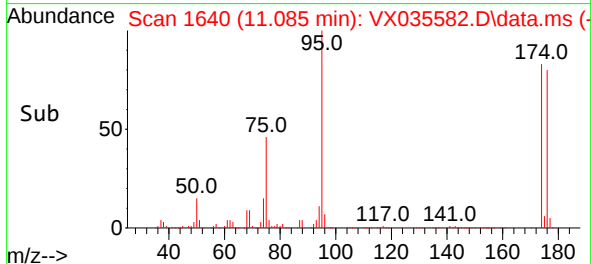
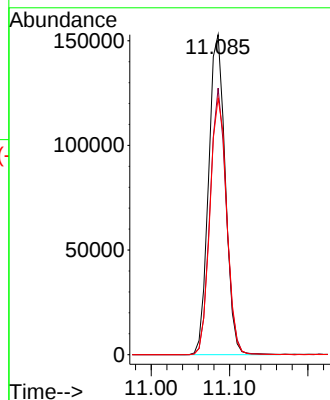
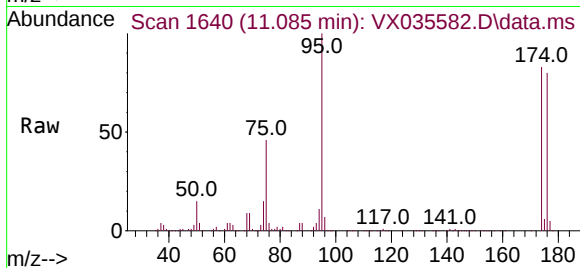
Tgt Ion: 95 Resp: 226012

Ion Ratio Lower Upper

95 100

174 81.2 0.0 147.4

176 80.7 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: VX035582.D

Acq: 10 May 2023 13:30

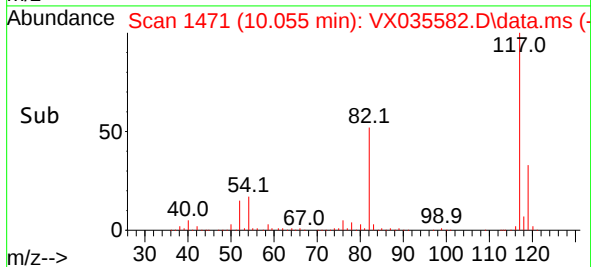
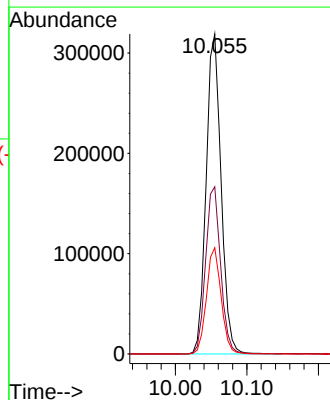
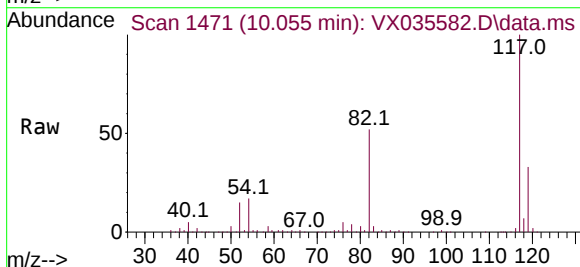
Tgt Ion: 117 Resp: 463315

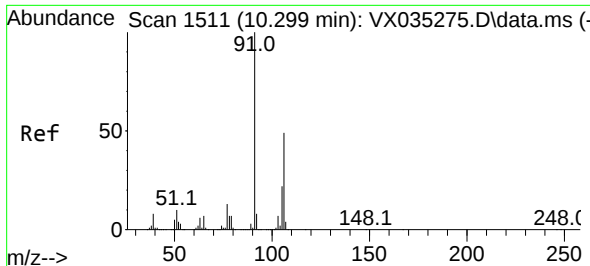
Ion Ratio Lower Upper

117 100

82 52.2 45.0 67.4

119 33.2 26.0 39.0

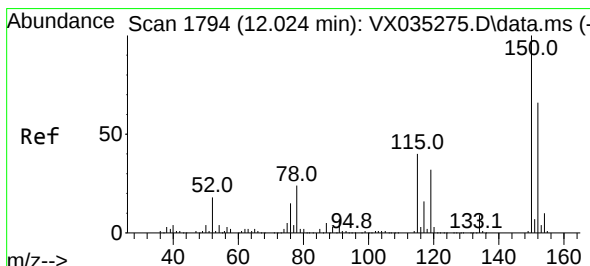
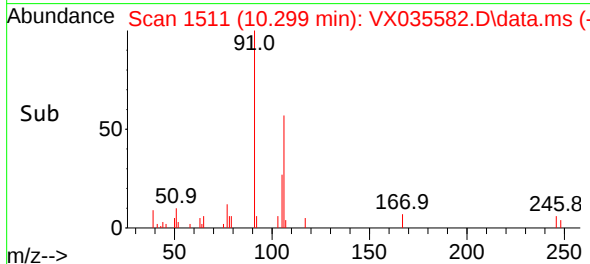
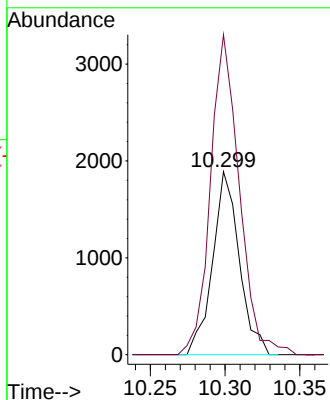
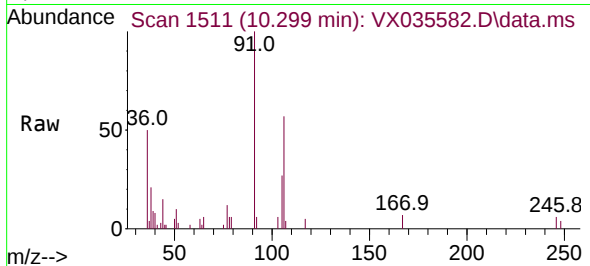




#68
m/p-Xylenes
Concen: 0.352 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

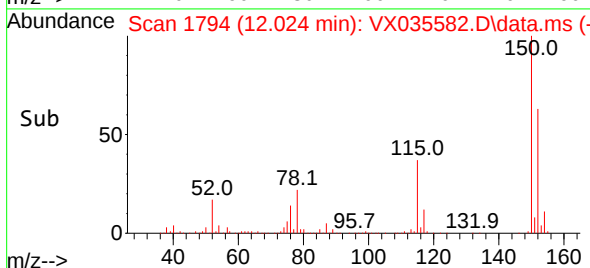
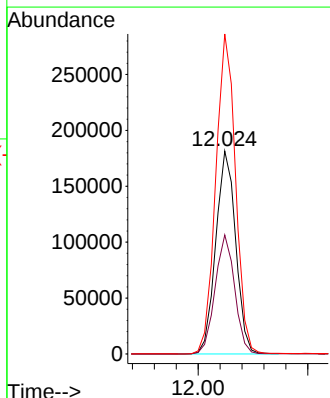
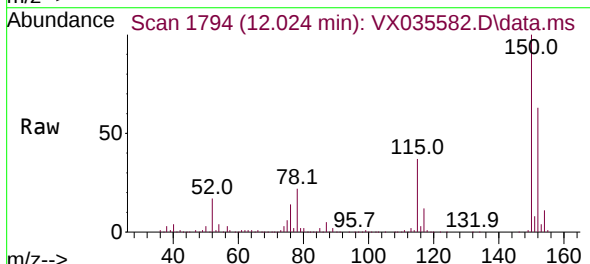
Instrument :
MSVOA_X
ClientSampleId :
BU-02-050823

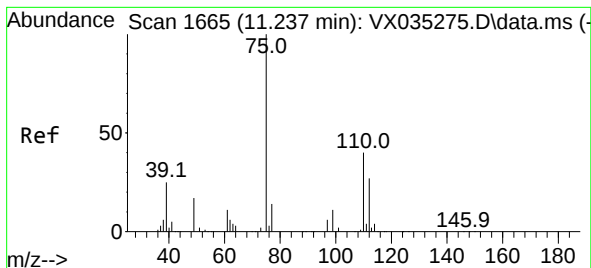
Tgt Ion:106 Resp: 2344
Ion Ratio Lower Upper
106 100
91 189.0 164.0 246.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035582.D
Acq: 10 May 2023 13:30

Tgt Ion:152 Resp: 229225
Ion Ratio Lower Upper
152 100
115 57.9 45.0 135.0
150 157.2 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 22.745 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.152 min

Lab File: VX035582.D

Acq: 10 May 2023 13:30

Instrument :

MSVOA_X

ClientSampleId :

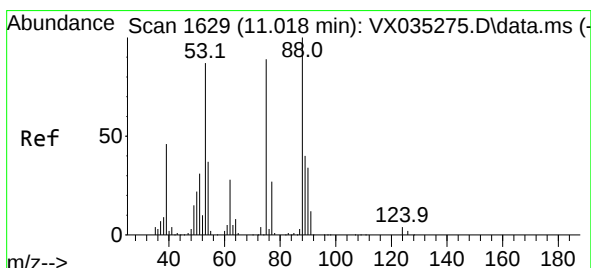
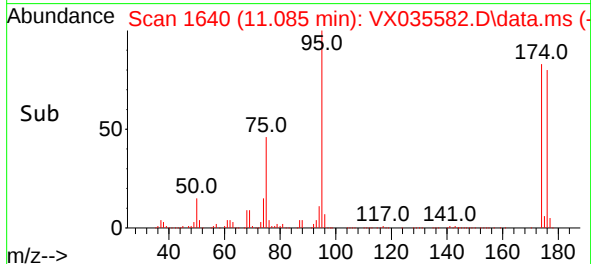
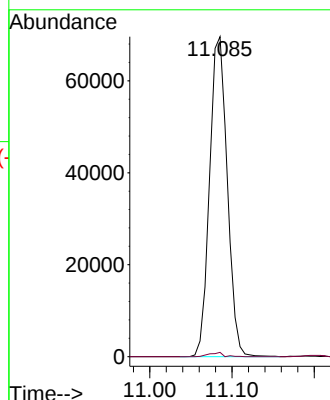
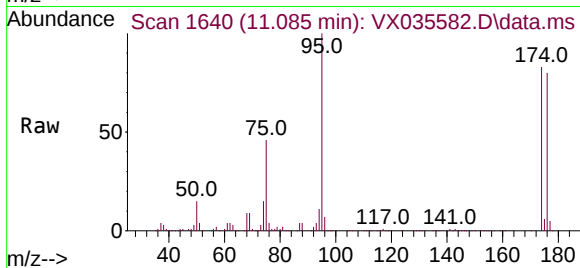
BU-02-050823

Tgt Ion: 75 Resp: 104001

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.666 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX035582.D

Acq: 10 May 2023 13:30

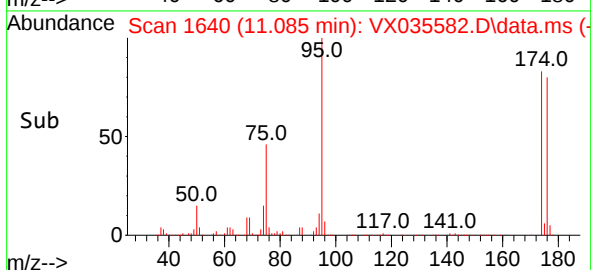
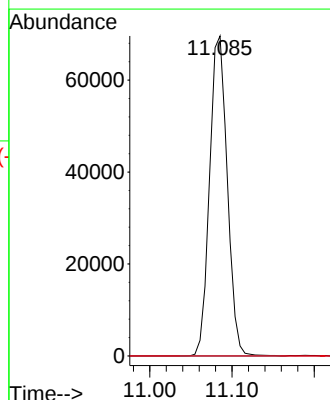
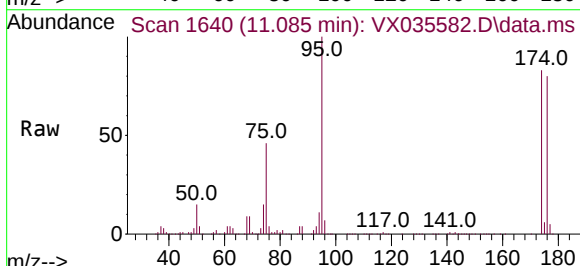
Tgt Ion: 75 Resp: 104001

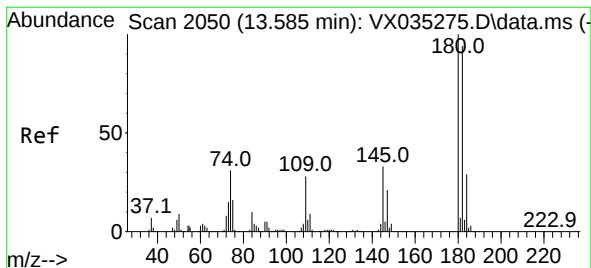
Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.301 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX035582.D

Acq: 10 May 2023 13:30

Instrument :

MSVOA_X

ClientSampleId :

BU-02-050823

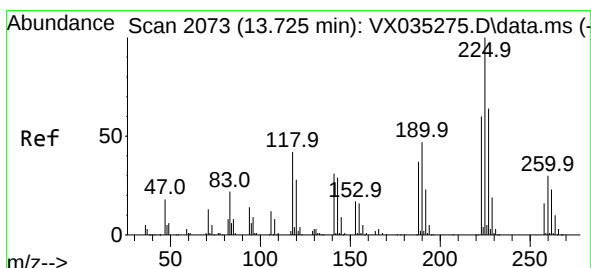
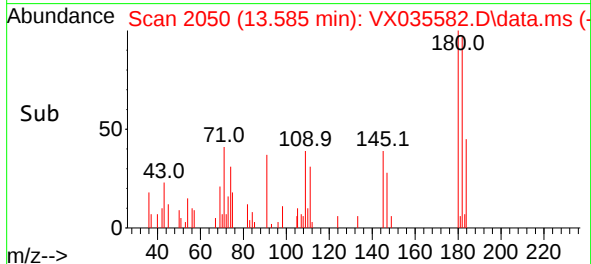
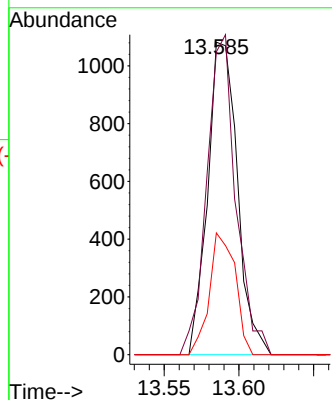
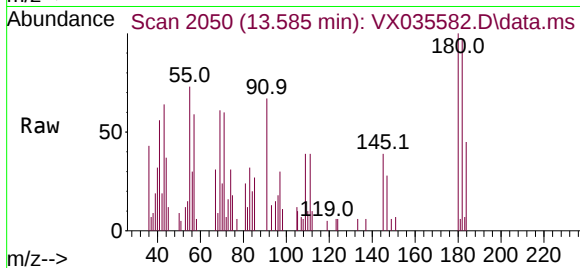
Tgt Ion:180 Resp: 1499

Ion Ratio Lower Upper

180 100

182 99.9 47.0 141.0

145 33.9 15.9 47.7



#94

Hexachlorobutadiene

Concen: 0.462 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX035582.D

Acq: 10 May 2023 13:30

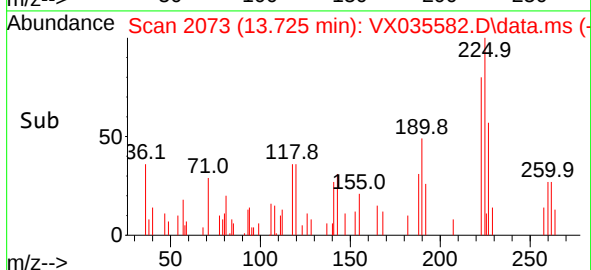
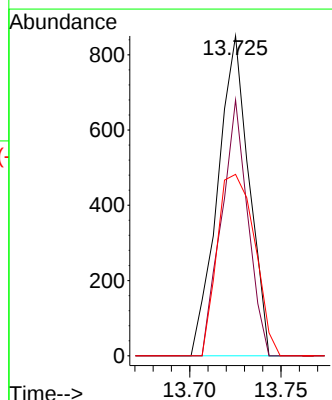
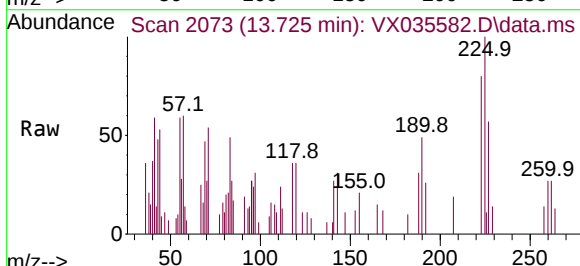
Tgt Ion:225 Resp: 1010

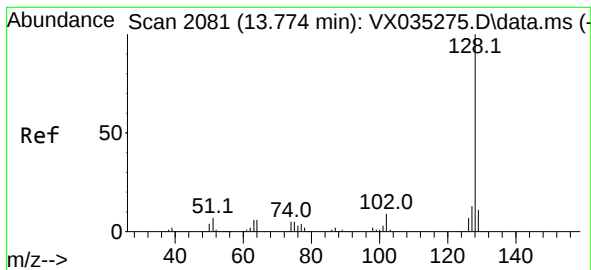
Ion Ratio Lower Upper

225 100

223 67.2 32.1 96.5

227 68.4 31.8 95.4





#95

Naphthalene

Concen: 0.239 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX035582.D

Acq: 10 May 2023 13:30

Instrument :

MSVOA_X

ClientSampleId :

BU-02-050823

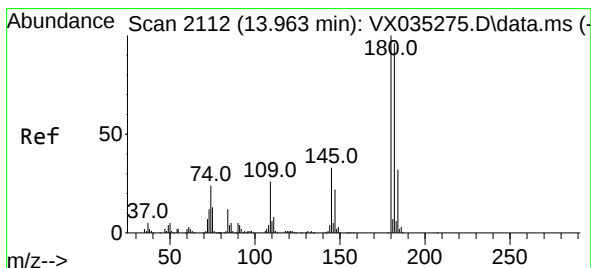
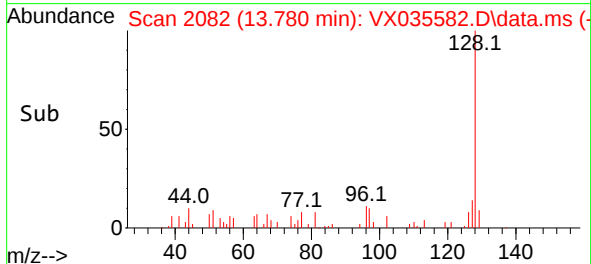
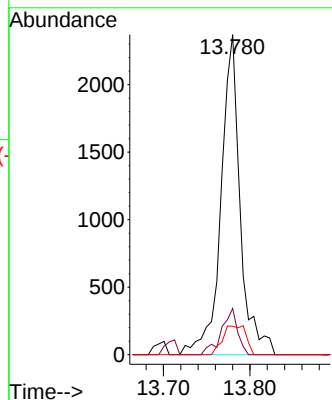
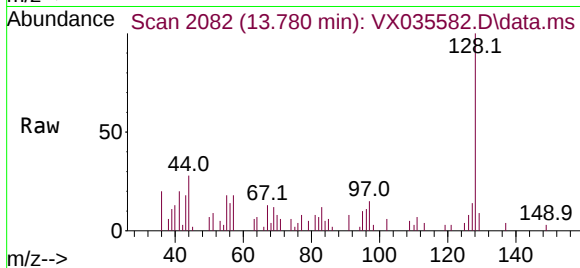
Tgt Ion:128 Resp: 3666

Ion Ratio Lower Upper

128 100

127 12.1 10.2 15.4

129 10.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.298 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX035582.D

Acq: 10 May 2023 13:30

Tgt Ion:180 Resp: 1493

Ion Ratio Lower Upper

180 100

182 110.9 48.0 144.2

145 42.5 17.7 53.1

