

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040523\
 Data File : VX034945.D
 Acq On : 05 Apr 2023 11:50
 Operator : JC/MD
 Sample : 02190-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SY-3

Quant Time: Apr 06 02:12:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	258296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	433266	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	377790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	160113	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	189130	47.878	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.760%
35) Dibromofluoromethane	5.385	113	139221	48.582	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.160%
50) Toluene-d8	8.647	98	517637	48.938	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.880%
62) 4-Bromofluorobenzene	11.079	95	188897	46.149	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.300%

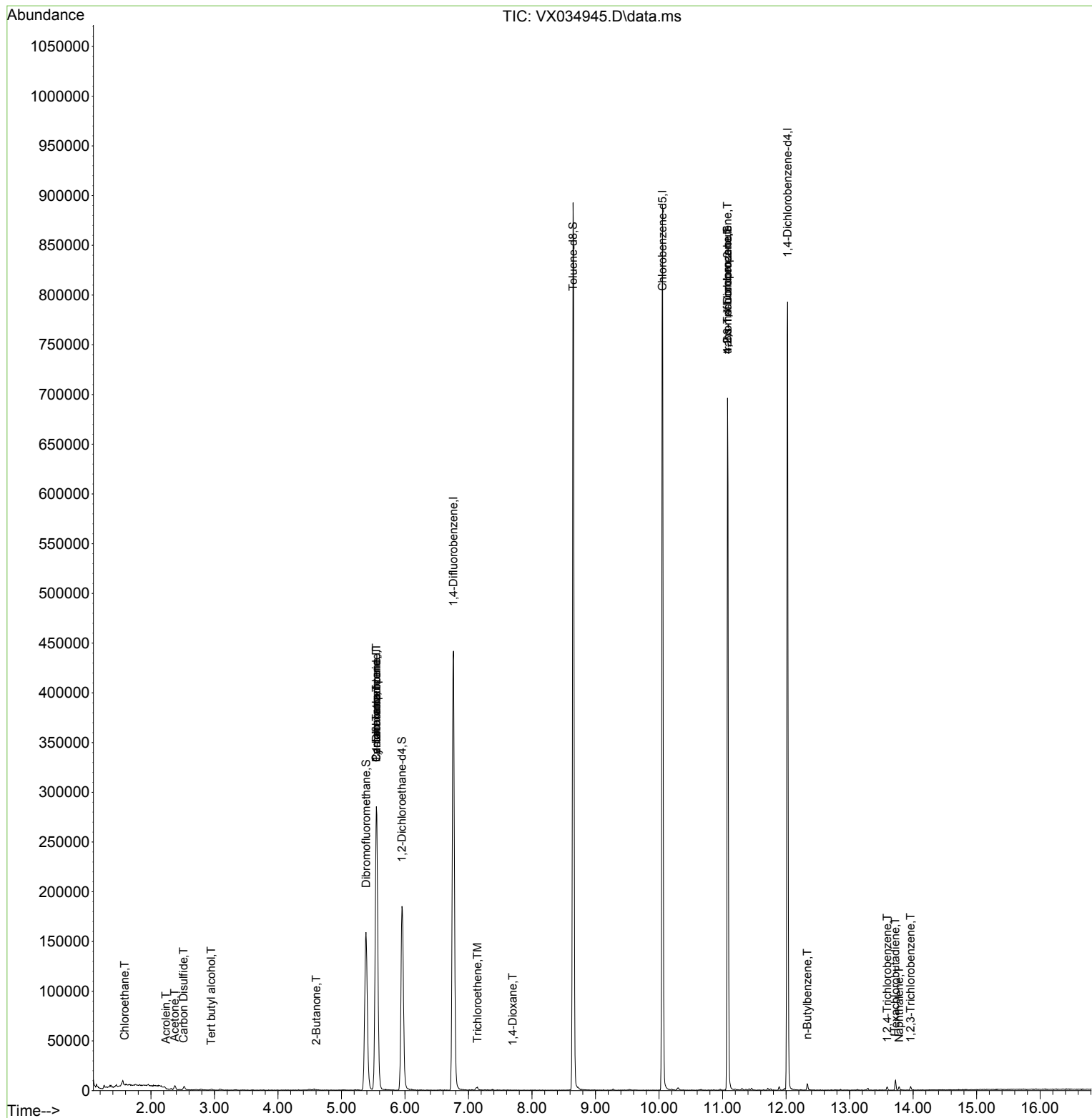
Target Compounds						Qvalue
6) Chloroethane	1.587	64	941	0.453	ug/l #	83
11) Tert butyl alcohol	2.947	59	858	1.238	ug/l #	73
13) Acrolein	2.233	56	288	0.404	ug/l #	53
16) Acetone	2.374	43	4580	2.854	ug/l	92
17) Carbon Disulfide	2.514	76	1948	0.293	ug/l	97
25) 2-Butanone	4.605	43	899	0.385	ug/l #	51
31) Cyclohexane	5.550	56	6191	1.287	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	22633	5.331	ug/l #	51
38) Carbon Tetrachloride	5.550	117	27480	6.865	ug/l #	15
44) Trichloroethene	7.141	130	1170	0.376	ug/l	71
49) 1,4-Dioxane	7.696	88	19	0.253	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	101218	31.374	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	101218	94.026	ug/l #	8
89) n-Butylbenzene	12.335	91	2459	0.301	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	814	0.272	ug/l	81
94) Hexachlorobutadiene	13.719	225	1271	0.964	ug/l	91
95) Naphthalene	13.780	128	2624	0.246	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	972	0.322	ug/l	91

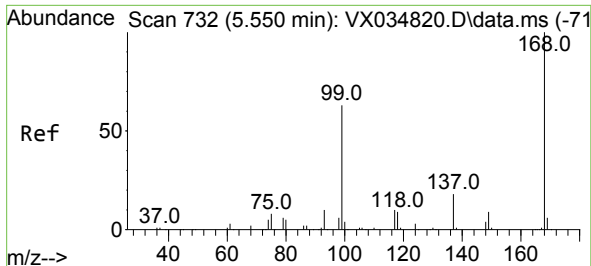
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Apr 01 01:50:18 2023
Response via : Initial Calibration

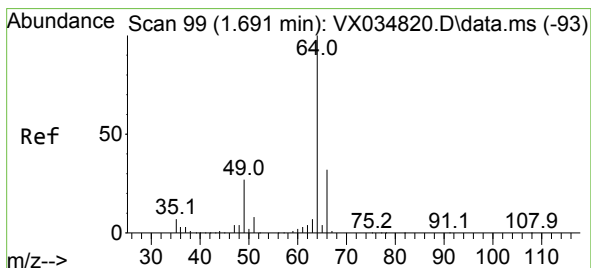
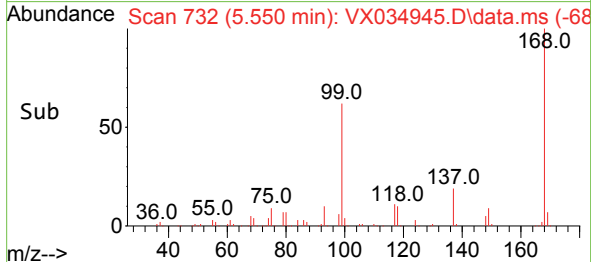
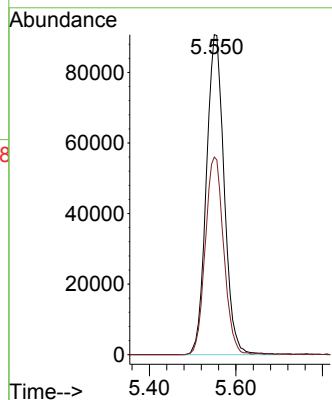
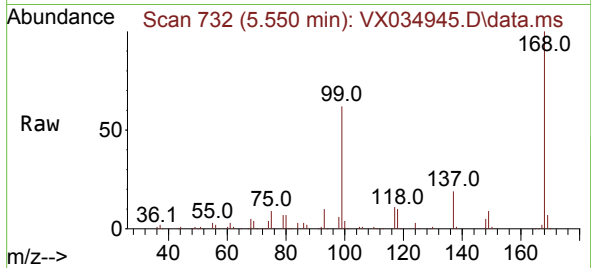




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034945.D
Acq: 05 Apr 2023 11:50

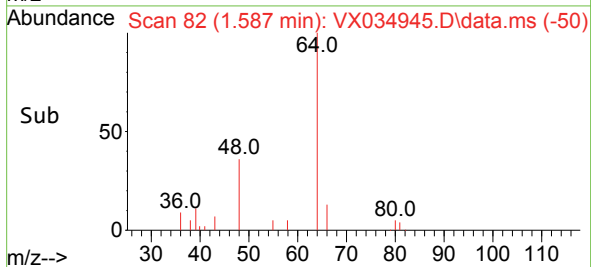
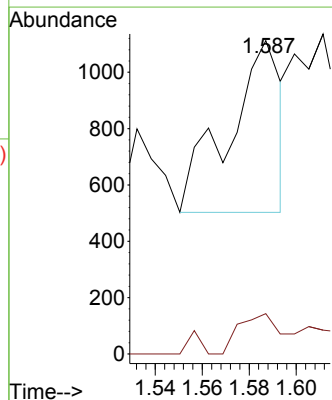
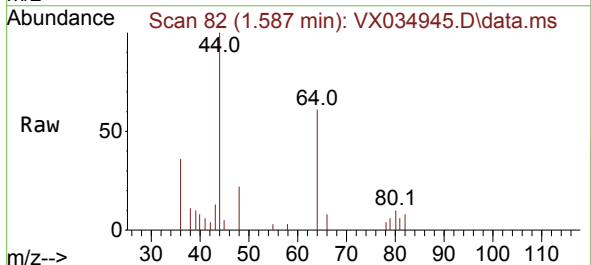
Instrument :
MSVOA_X
ClientSampleId :
SY-3

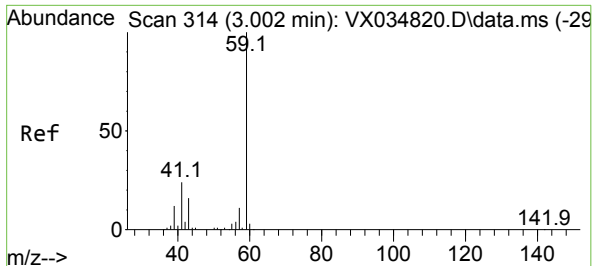
Tgt Ion:168 Resp: 258296
Ion Ratio Lower Upper
168 100
99 61.8 45.7 68.5



#6
Chloroethane
Concen: 0.453 ug/l
RT: 1.587 min Scan# 82
Delta R.T. -0.104 min
Lab File: VX034945.D
Acq: 05 Apr 2023 11:50

Tgt Ion: 64 Resp: 941
Ion Ratio Lower Upper
64 100
66 23.5 26.2 39.4#





#11

Tert butyl alcohol

Concen: 1.238 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.055 min

Lab File: VX034945.D

Acq: 05 Apr 2023 11:50

Instrument :

MSVOA_X

ClientSampleId :

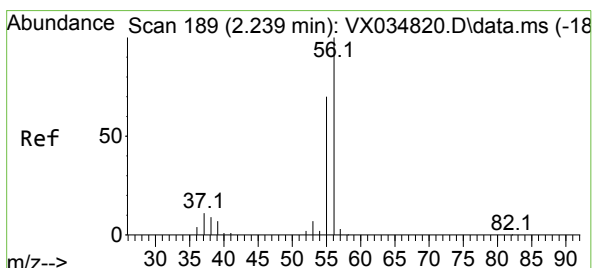
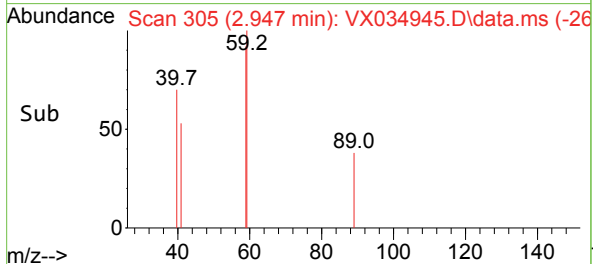
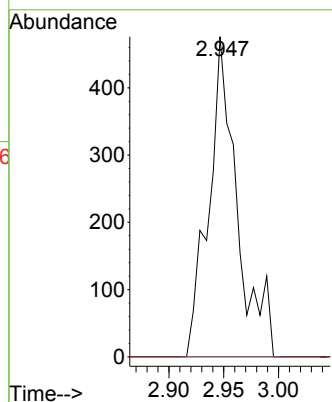
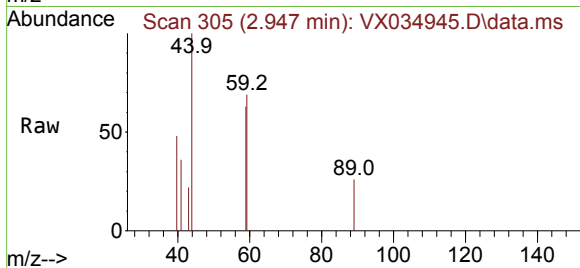
SY-3

Tgt Ion: 59 Resp: 858

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 0.404 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX034945.D

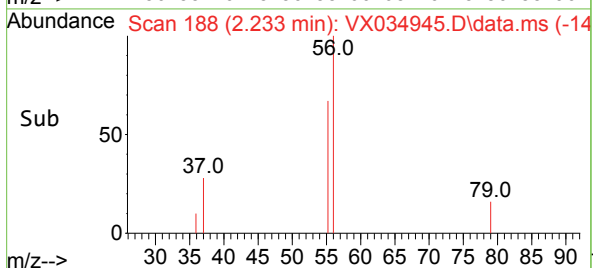
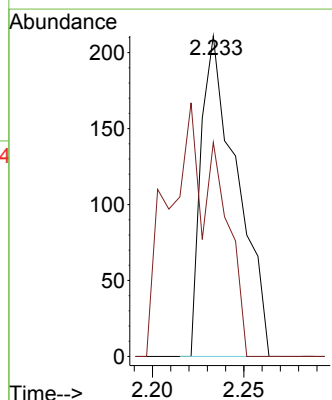
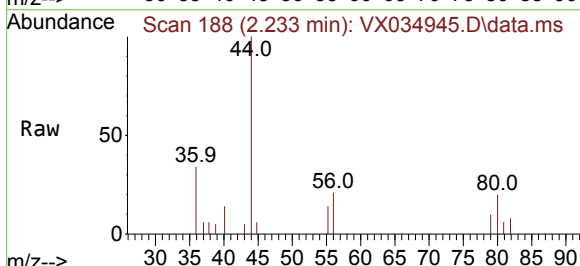
Acq: 05 Apr 2023 11:50

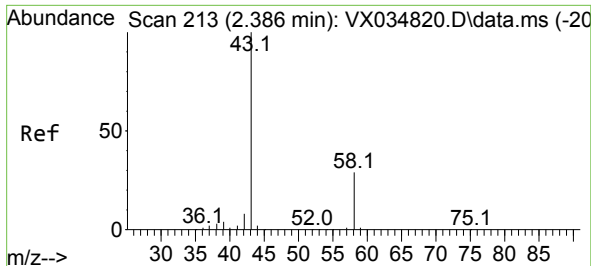
Tgt Ion: 56 Resp: 288

Ion Ratio Lower Upper

56 100

55 109.7 56.6 85.0#

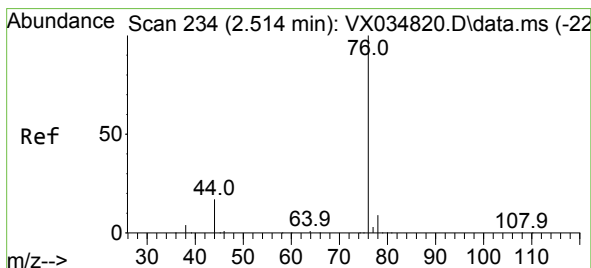
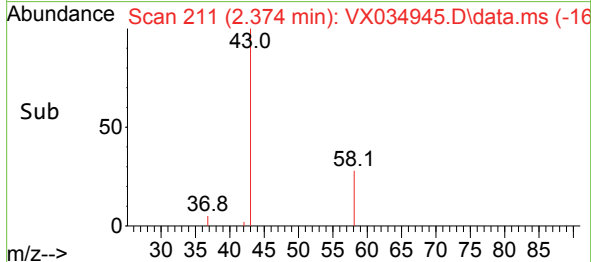
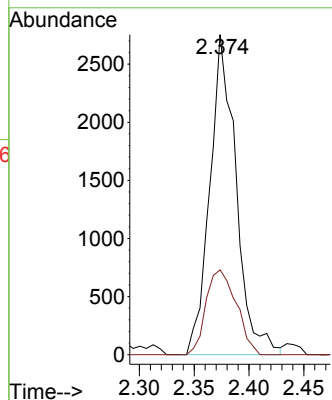
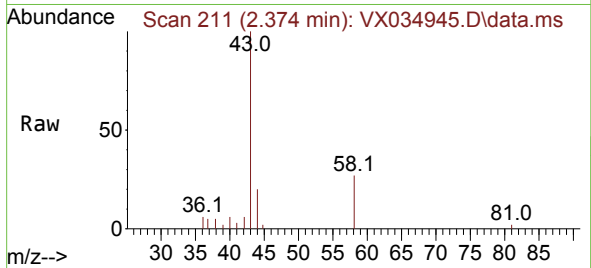




#16
Acetone
Concen: 2.854 ug/l
RT: 2.374 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX034945.D
Acq: 05 Apr 2023 11:50

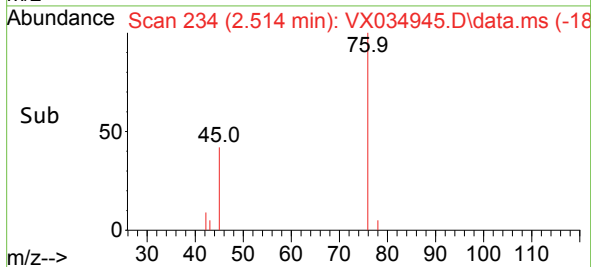
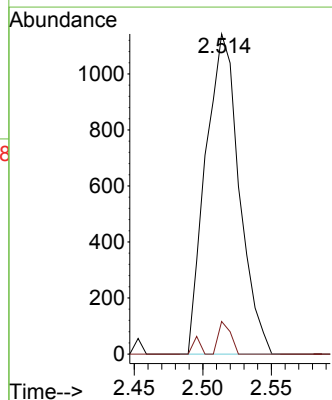
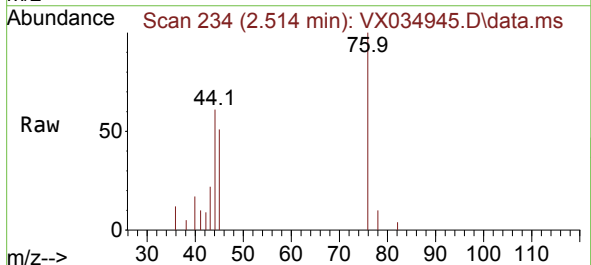
Instrument :
MSVOA_X
ClientSampleId :
SY-3

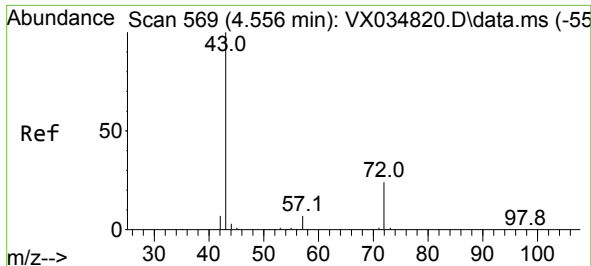
Tgt Ion: 43 Resp: 4580
Ion Ratio Lower Upper
43 100
58 26.5 24.7 37.1



#17
Carbon Disulfide
Concen: 0.293 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX034945.D
Acq: 05 Apr 2023 11:50

Tgt Ion: 76 Resp: 1948
Ion Ratio Lower Upper
76 100
78 10.1 7.2 10.8

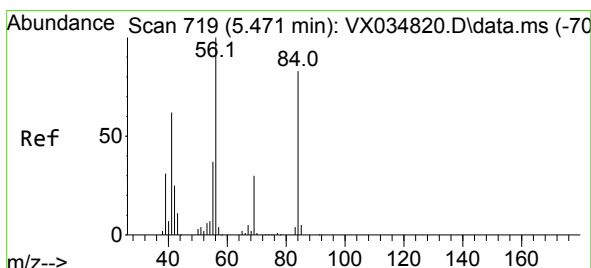
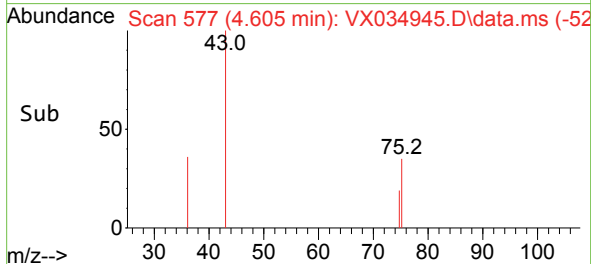
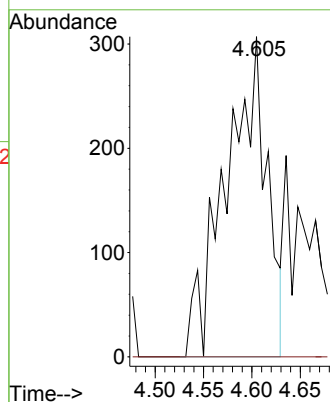
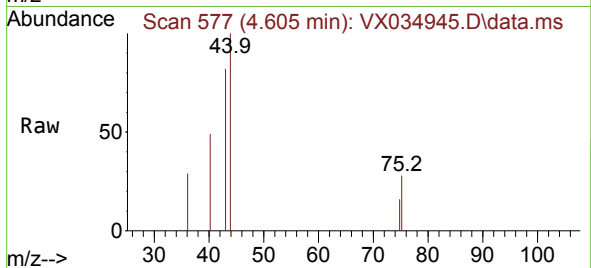




#25
2-Butanone
Concen: 0.385 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.049 min
Lab File: VX034945.D
Acq: 05 Apr 2023 11:50

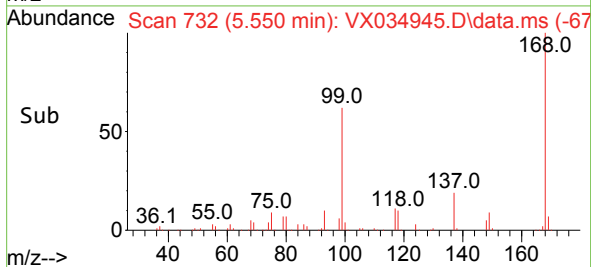
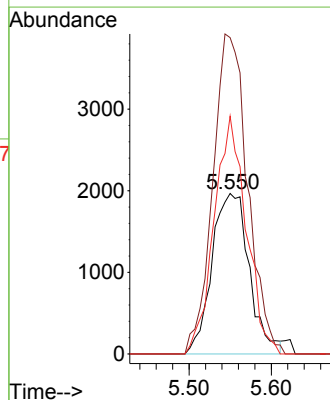
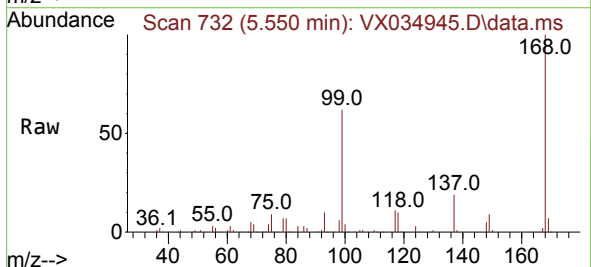
Instrument :
MSVOA_X
ClientSampleId :
SY-3

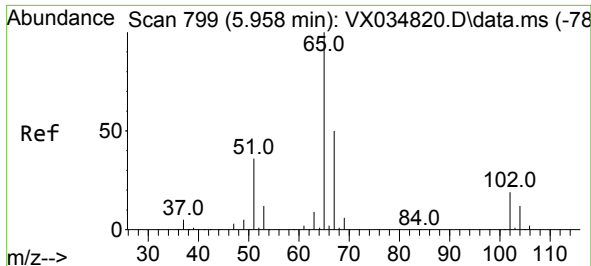
Tgt Ion: 43 Resp: 899
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#



#31
Cyclohexane
Concen: 1.287 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX034945.D
Acq: 05 Apr 2023 11:50

Tgt Ion: 56 Resp: 6191
Ion Ratio Lower Upper
56 100
69 197.1 23.7 35.5#
84 148.2 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 47.878 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX034945.D

Acq: 05 Apr 2023 11:50

Instrument :

MSVOA_X

ClientSampleId :

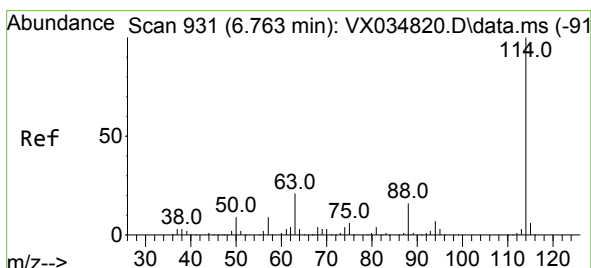
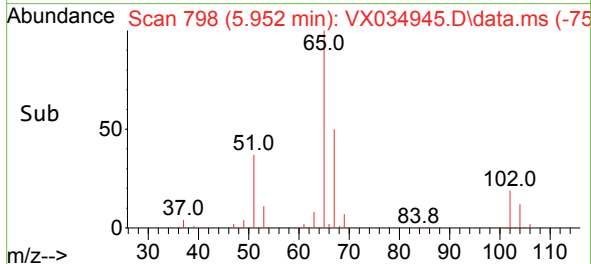
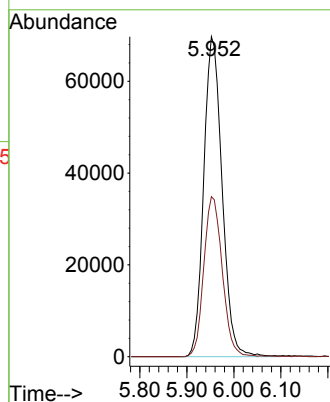
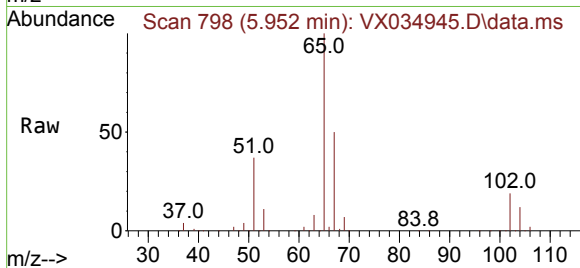
SY-3

Tgt Ion: 65 Resp: 189130

Ion Ratio Lower Upper

65 100

67 50.3 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: VX034945.D

Acq: 05 Apr 2023 11:50

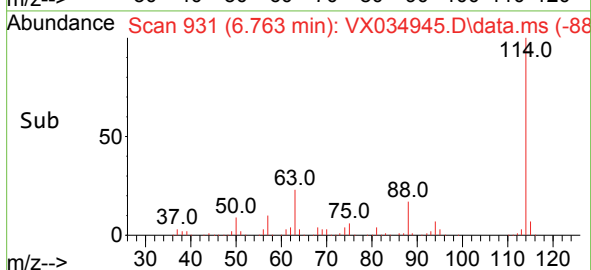
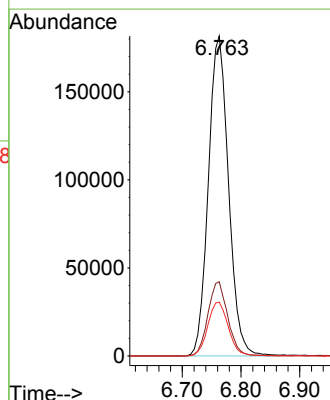
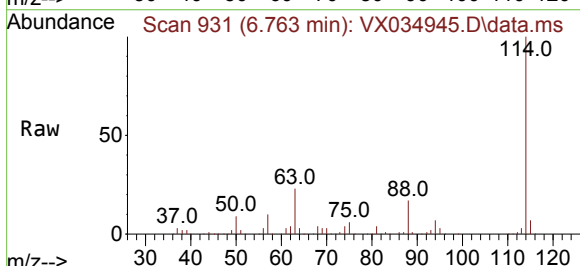
Tgt Ion: 114 Resp: 433266

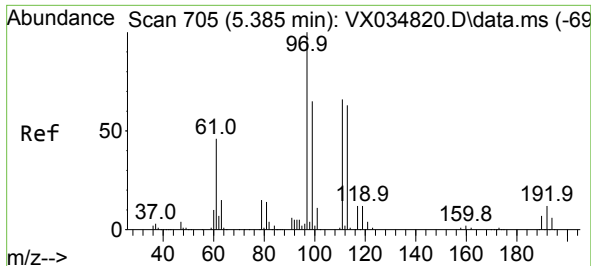
Ion Ratio Lower Upper

114 100

63 23.2 0.0 42.2

88 16.9 0.0 33.2

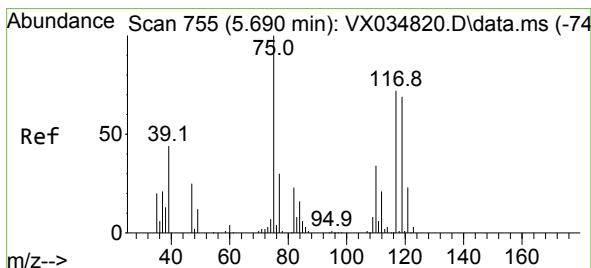
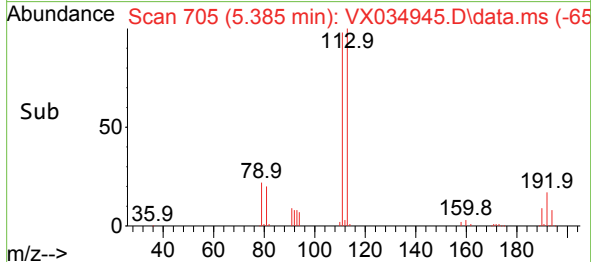
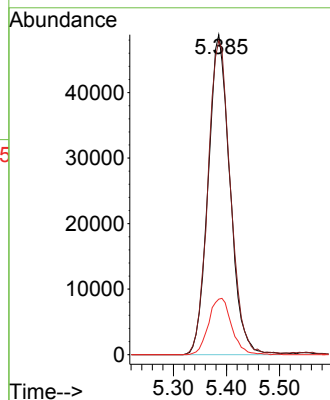
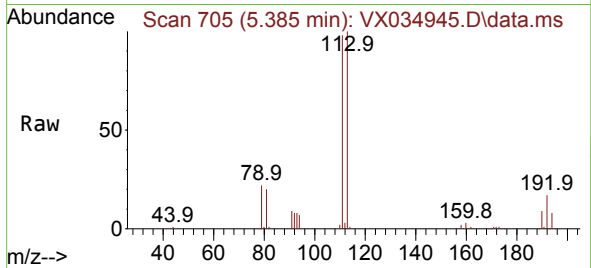




#35
Dibromofluoromethane
Concen: 48.582 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034945.D
Acq: 05 Apr 2023 11:50

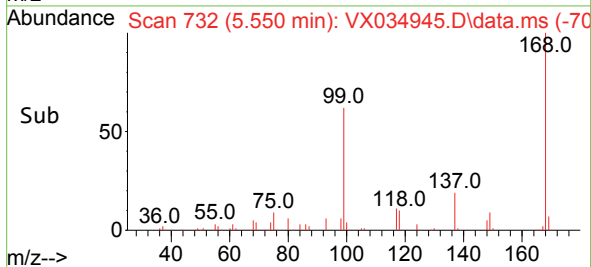
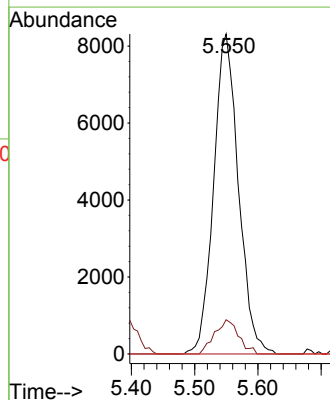
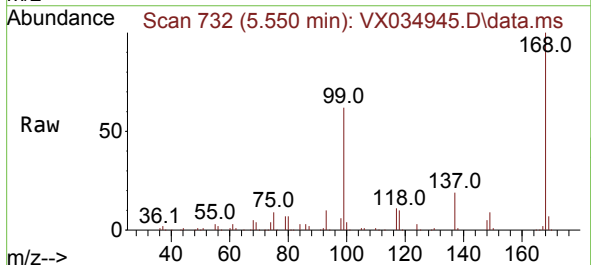
Instrument :
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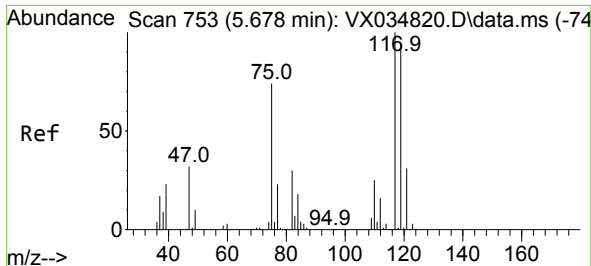
Tgt Ion:113 Resp: 139221
Ion Ratio Lower Upper
113 100
111 101.7 83.7 125.5
192 18.6 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.331 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034945.D
Acq: 05 Apr 2023 11:50

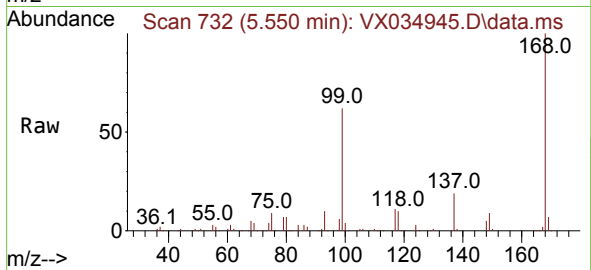
Tgt Ion: 75 Resp: 22633
Ion Ratio Lower Upper
75 100
110 10.3 17.5 52.5#
77 0.0 24.3 36.5#



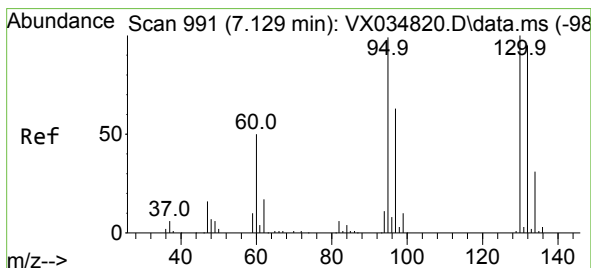
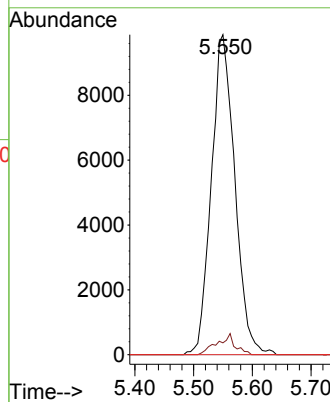
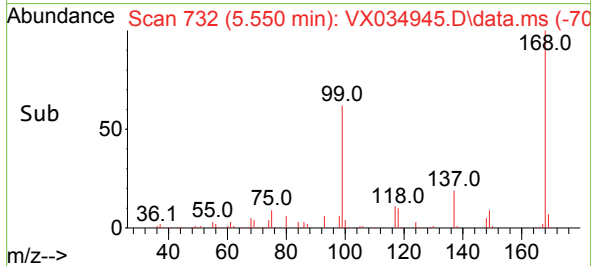


#38
Carbon Tetrachloride
Concen: 6.865 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX034945.D
Acq: 05 Apr 2023 11:50

Instrument :
MSVOA_X
ClientSampleId :
SY-3

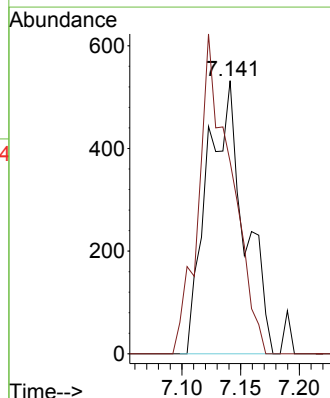
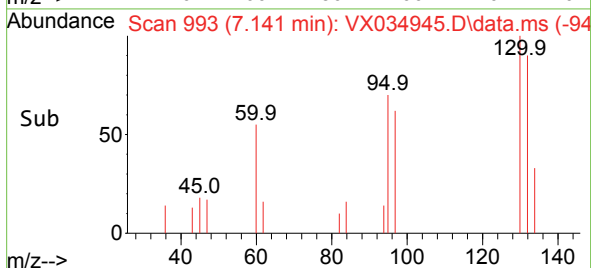
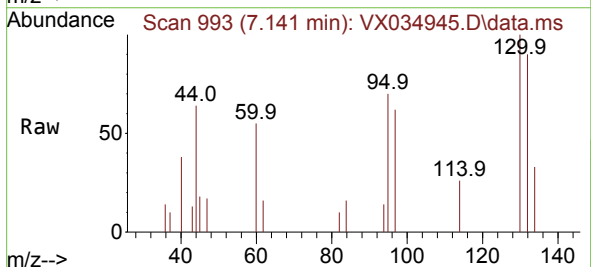


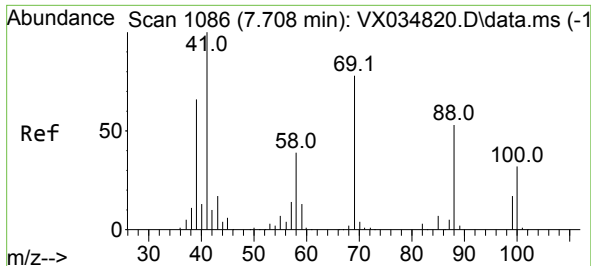
Tgt Ion:117 Resp: 27480
Ion Ratio Lower Upper
117 100
119 3.7 76.6 114.8#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 0.376 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX034945.D
Acq: 05 Apr 2023 11:50

Tgt Ion:130 Resp: 1170
Ion Ratio Lower Upper
130 100
95 70.3 0.0 198.4





#49

1,4-Dioxane

Concen: 0.253 ug/l

RT: 7.696 min Scan# 1086

Delta R.T. -0.012 min

Lab File: VX034945.D

Acq: 05 Apr 2023 11:50

Instrument :

MSVOA_X

ClientSampleId :

SY-3

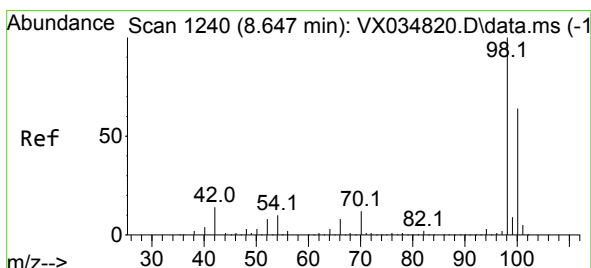
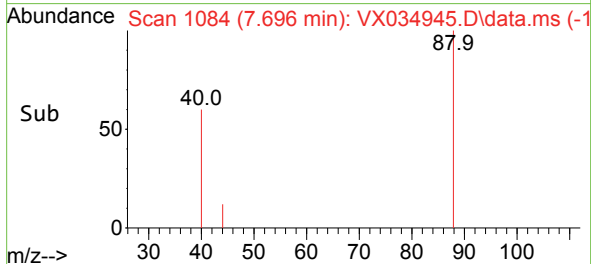
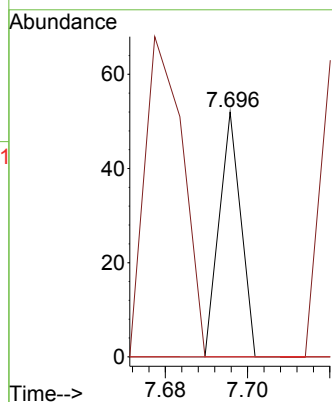
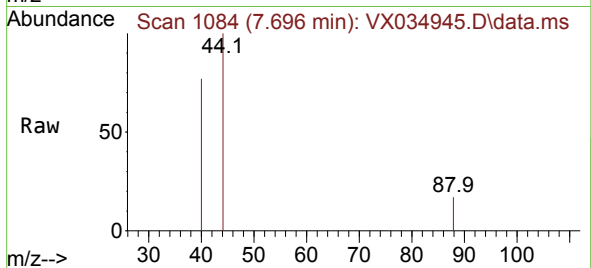
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 231.6 27.7 41.5#

58 0.0 56.8 85.2#



#50

Toluene-d8

Concen: 48.938 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034945.D

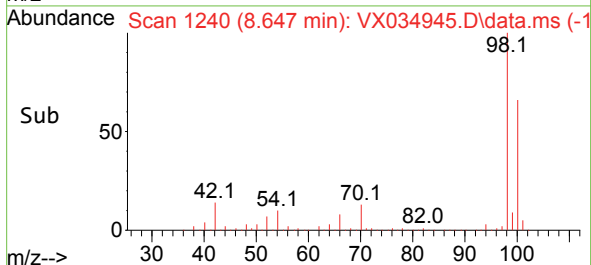
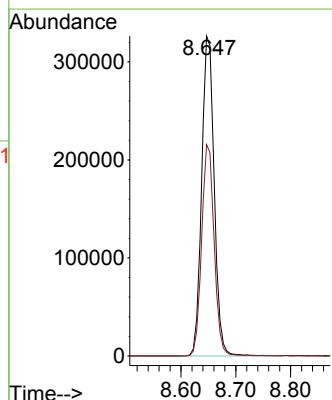
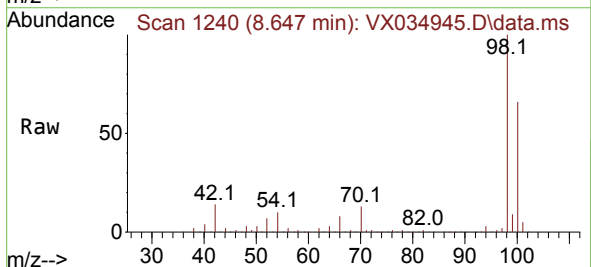
Acq: 05 Apr 2023 11:50

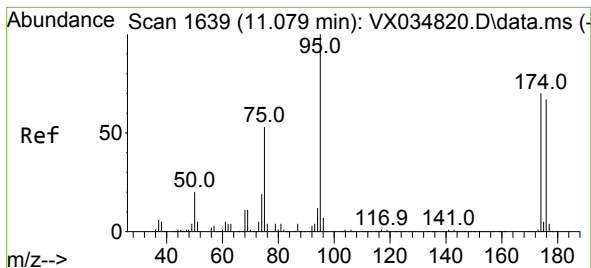
Tgt Ion: 98 Resp: 517637

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7

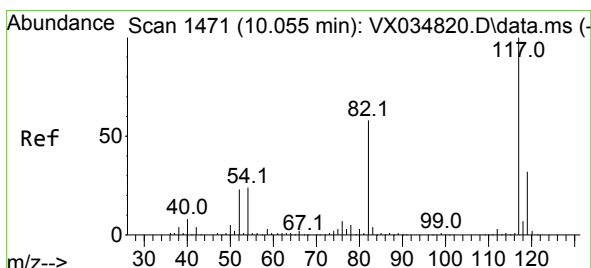
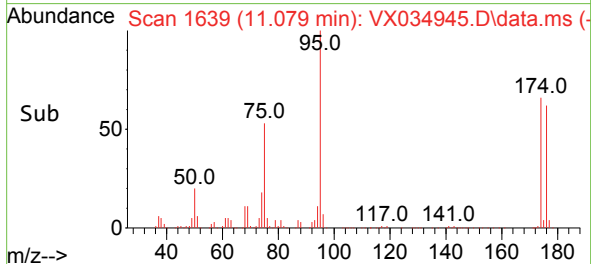
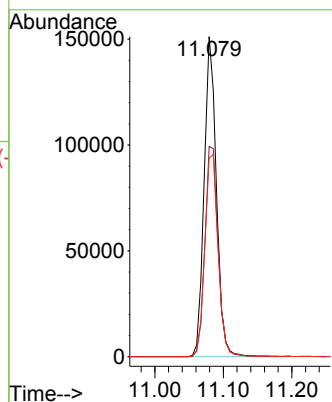
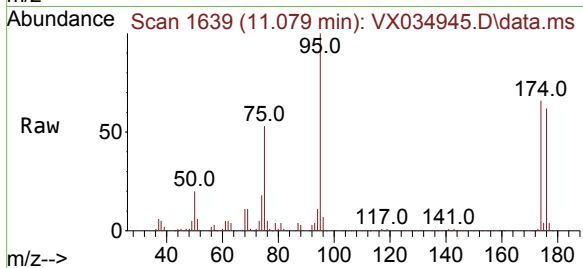




#62
4-Bromofluorobenzene
Concen: 46.149 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034945.D
Acq: 05 Apr 2023 11:50

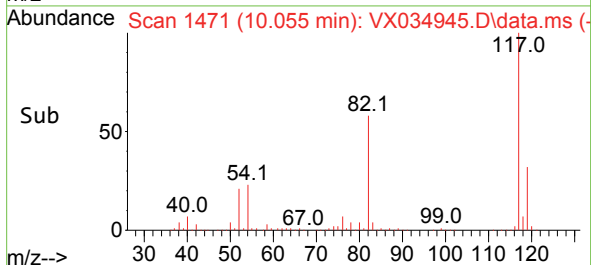
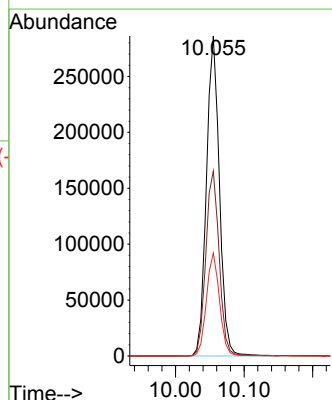
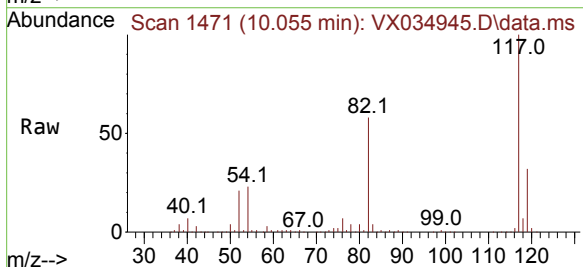
Instrument :
MSVOA_X
ClientSampleId :
SY-3

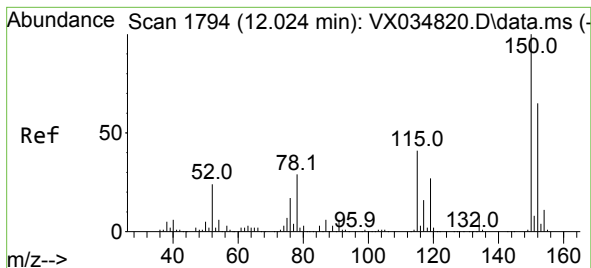
Tgt Ion: 95 Resp: 188897
Ion Ratio Lower Upper
95 100
174 70.8 0.0 147.4
176 68.2 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034945.D
Acq: 05 Apr 2023 11:50

Tgt Ion: 117 Resp: 377790
Ion Ratio Lower Upper
117 100
82 57.8 45.0 67.4
119 32.2 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034945.D

Acq: 05 Apr 2023 11:50

Instrument :

MSVOA_X

ClientSampleId :

SY-3

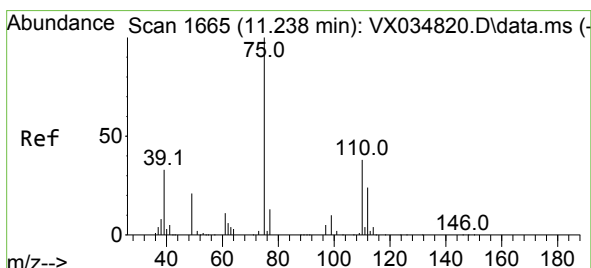
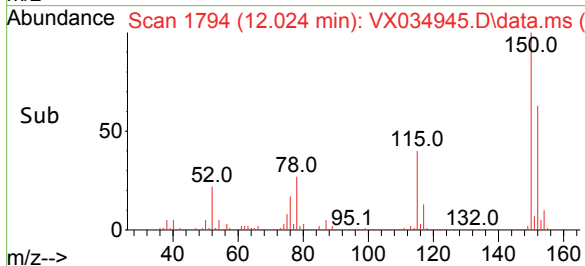
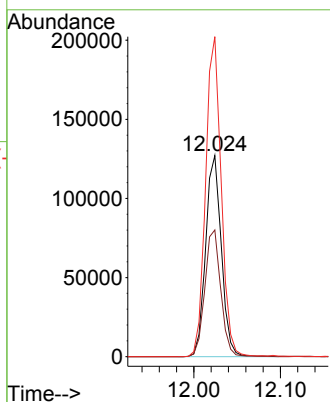
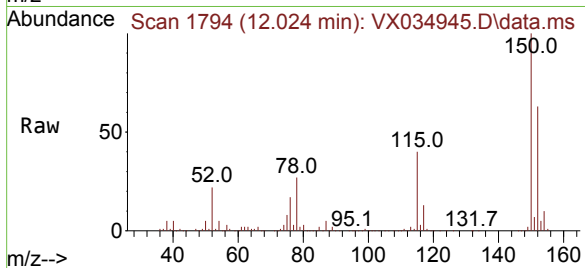
Tgt Ion:152 Resp: 160113

Ion Ratio Lower Upper

152 100

115 64.0 45.0 135.0

150 157.9 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 31.374 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034945.D

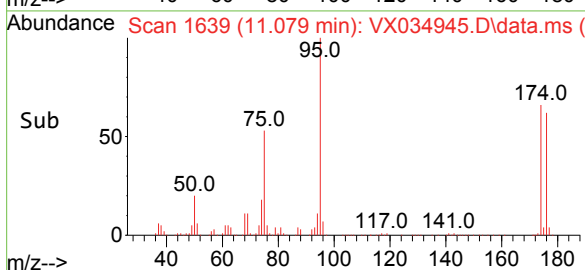
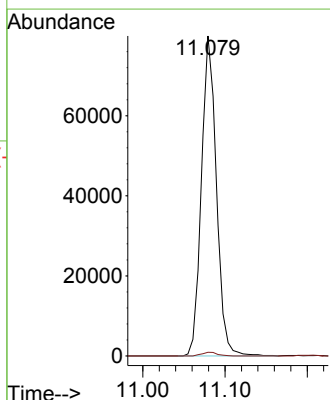
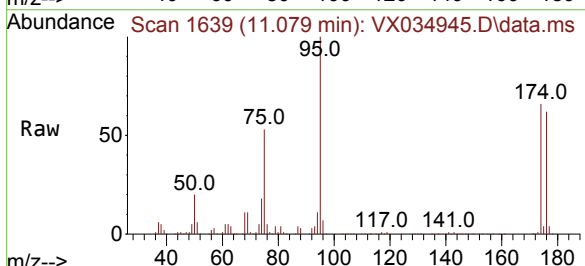
Acq: 05 Apr 2023 11:50

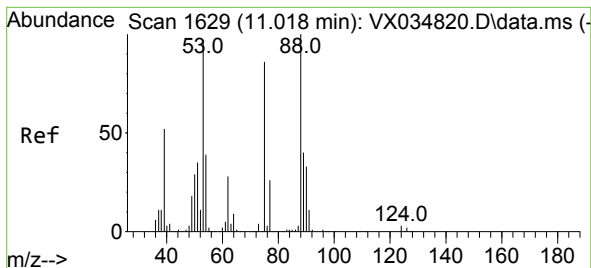
Tgt Ion: 75 Resp: 101218

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#

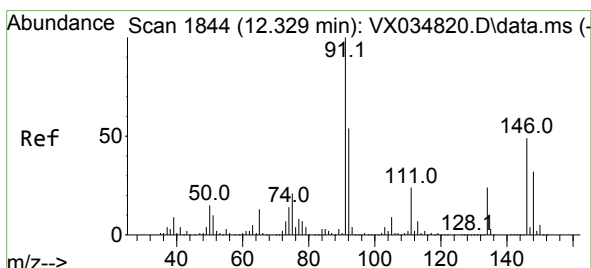
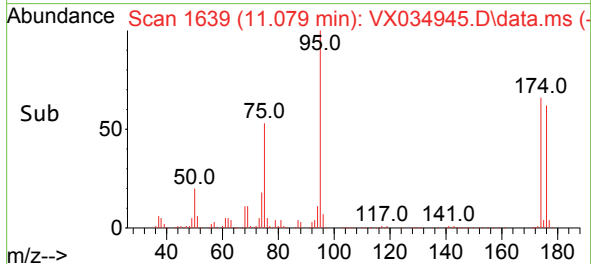
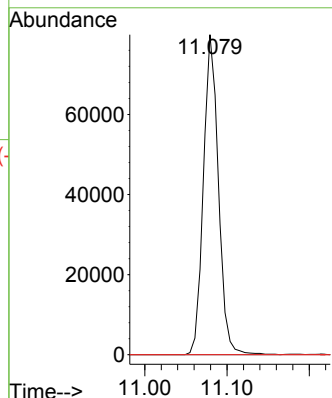
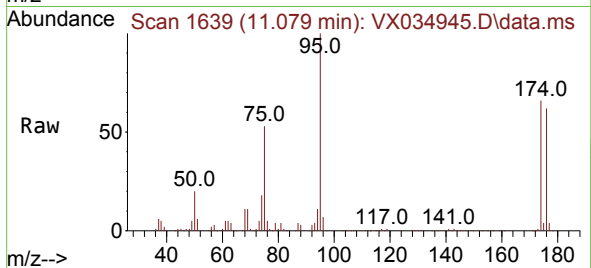




#81
trans-1,4-Dichloro-2-butene
Concen: 94.026 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034945.D
Acq: 05 Apr 2023 11:50

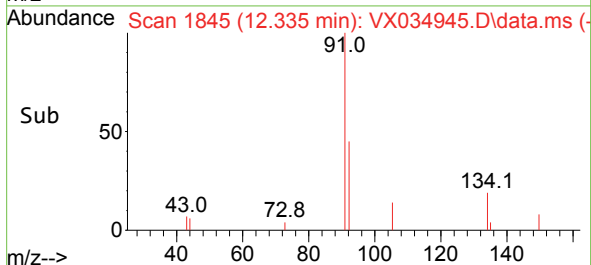
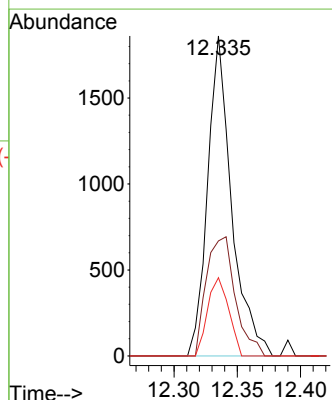
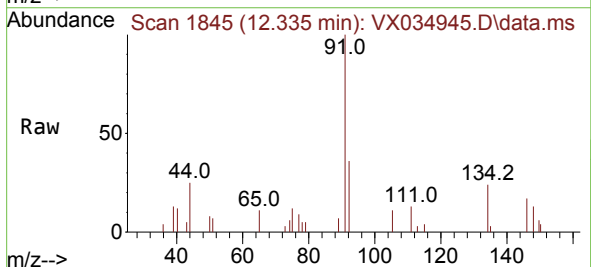
Instrument :
MSVOA_X
ClientSampleId :
SY-3

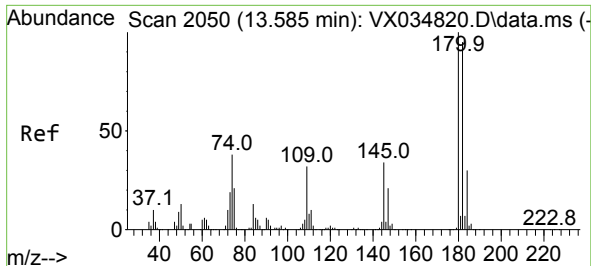
Tgt Ion: 75 Resp: 101218
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.301 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX034945.D
Acq: 05 Apr 2023 11:50

Tgt Ion: 91 Resp: 2459
Ion Ratio Lower Upper
91 100
92 44.9 27.7 83.0
134 21.4 13.0 38.9

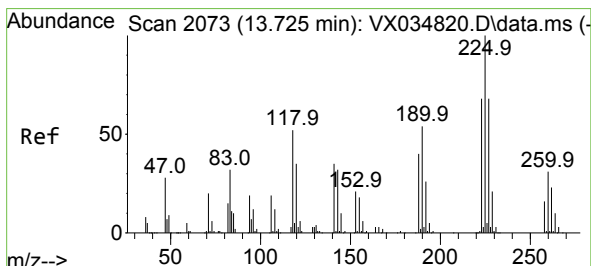
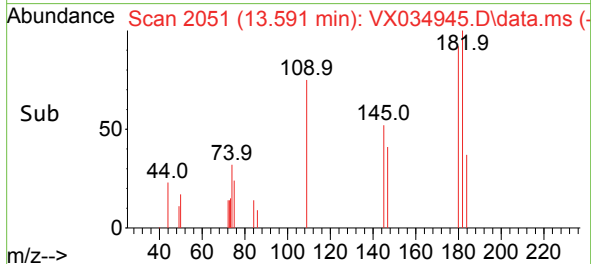
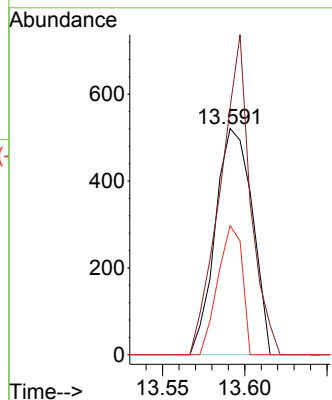
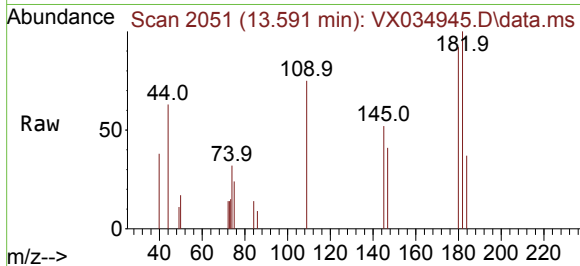




#93
1,2,4-Trichlorobenzene
Concen: 0.272 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX034945.D
Acq: 05 Apr 2023 11:50

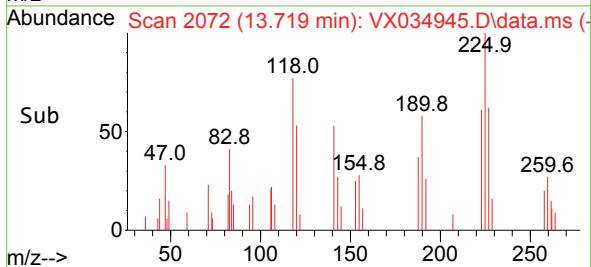
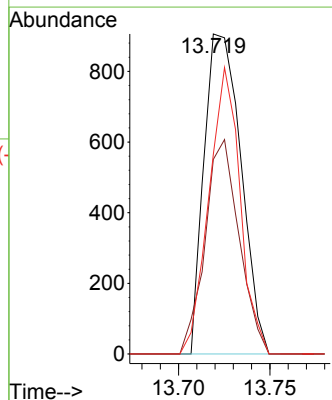
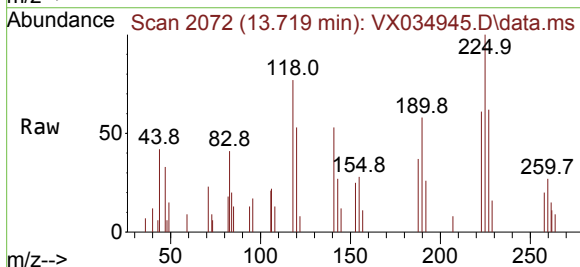
Instrument :
MSVOA_X
ClientSampleId :
SY-3

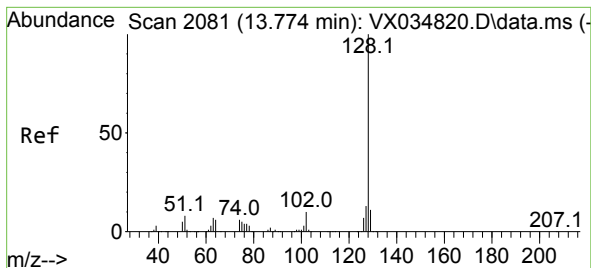
Tgt Ion:180 Resp: 814
Ion Ratio Lower Upper
180 100
182 115.6 47.0 141.0
145 37.7 15.9 47.7



#94
Hexachlorobutadiene
Concen: 0.964 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX034945.D
Acq: 05 Apr 2023 11:50

Tgt Ion:225 Resp: 1271
Ion Ratio Lower Upper
225 100
223 62.0 32.1 96.5
227 75.6 31.8 95.4





#95

Naphthalene

Concen: 0.246 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX034945.D

Acq: 05 Apr 2023 11:50

Instrument :

MSVOA_X

ClientSampleId :

SY-3

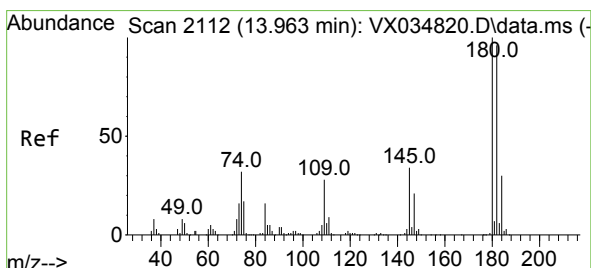
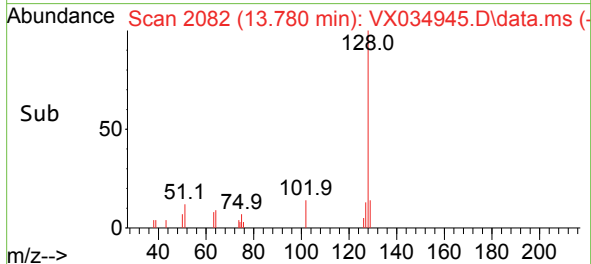
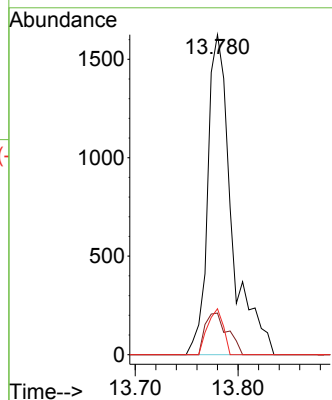
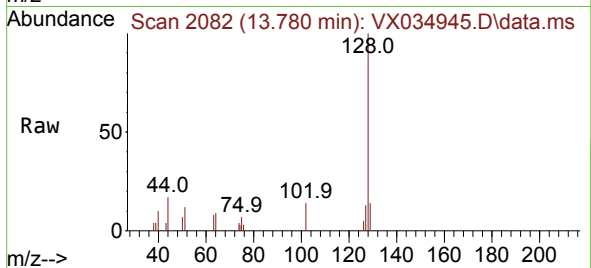
Tgt Ion:128 Resp: 2624

Ion Ratio Lower Upper

128 100

127 12.2 10.2 15.4

129 9.5 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.322 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX034945.D

Acq: 05 Apr 2023 11:50

Tgt Ion:180 Resp: 972

Ion Ratio Lower Upper

180 100

182 105.9 48.0 144.2

145 38.9 17.7 53.1

