

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060822\
 Data File : VX029317.D
 Acq On : 08 Jun 2022 13:40
 Operator : JC/MD
 Sample : N3174-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF0622RE

Quant Time: Jun 08 16:26:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

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

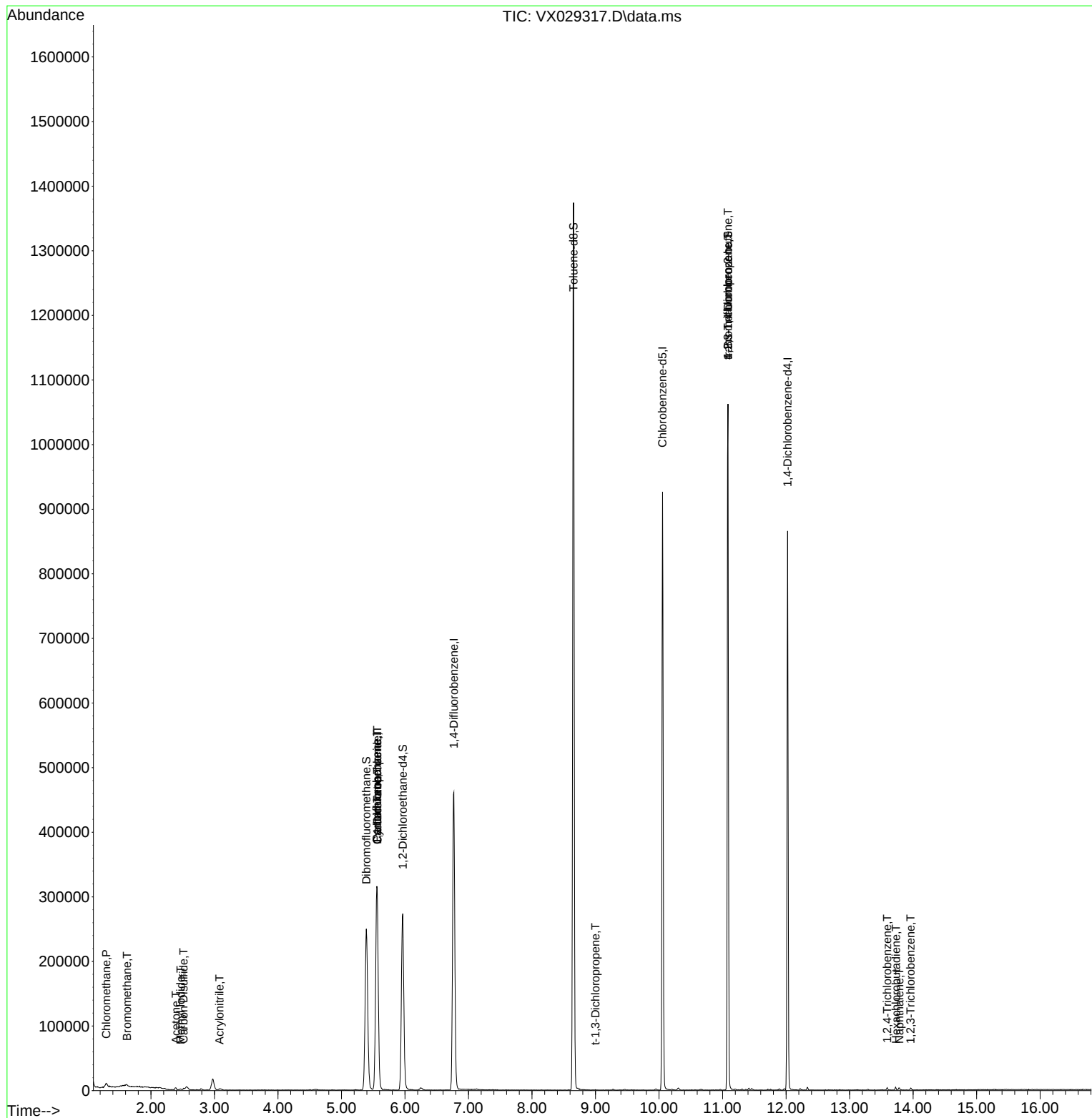
Internal Standards						
1) Pentafluorobenzene	5.555	168	294049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	485402	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	417239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	172548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	264771	59.485	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 118.980%	
35) Dibromofluoromethane	5.391	113	219352	53.156	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 106.320%	
50) Toluene-d8	8.652	98	812901	55.699	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 111.400%	
62) 4-Bromofluorobenzene	11.085	95	299199	52.386	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 104.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1017	0.204	ug/l #	81
5) Bromomethane	1.623	94	981	0.354	ug/l	88
6) Chloroethane	1.690	64	1061	Below Cal	#	45
10) Methyl Iodide	2.465	142	1774	1.544	ug/l	95
11) Tert butyl alcohol	2.977	59	22572	Below Cal		96
15) Acrylonitrile	3.080	53	1442	0.515	ug/l	95
16) Acetone	2.391	43	3626	1.524	ug/l	91
17) Carbon Disulfide	2.513	76	3578	0.329	ug/l	97
31) Cyclohexane	5.562	56	5957	0.747	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	23205	3.404	ug/l #	50
38) Carbon Tetrachloride	5.562	117	32191	4.620	ug/l #	17
53) t-1,3-Dichloropropene	9.000	75	224	1.346	ug/l #	81
76) 1,2,3-Trichloropropane	11.085	75	148526	36.853	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	148526	111.764	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.591	180	1054	0.296	ug/l	89
94) Hexachlorobutadiene	13.731	225	582	0.393	ug/l	85
95) Naphthalene	13.786	128	2833	0.225	ug/l #	96
96) 1,2,3-Trichlorobenzene	13.963	180	938	0.264	ug/l	98

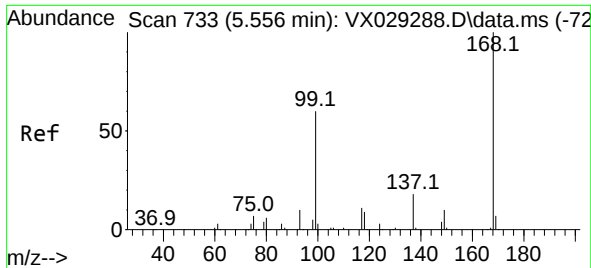
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
EFF0622RE

Quant Time: Jun 08 16:26:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 08 03:00:38 2022
Response via : Initial Calibration

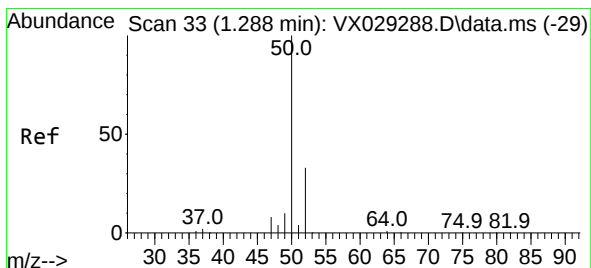
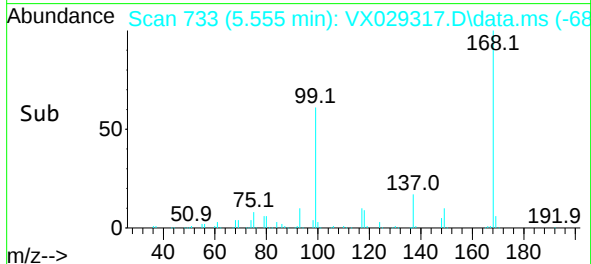
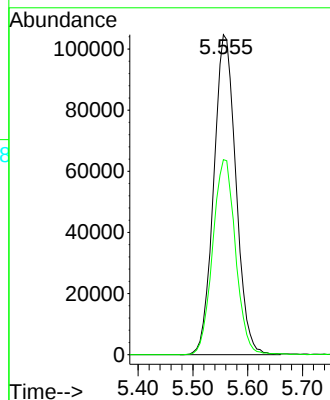
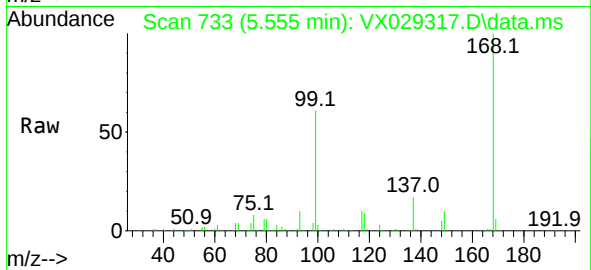




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX029317.D
Acq: 08 Jun 2022 13:40

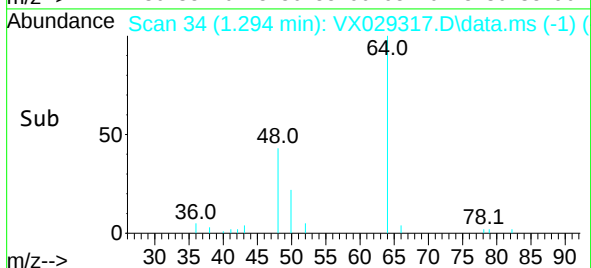
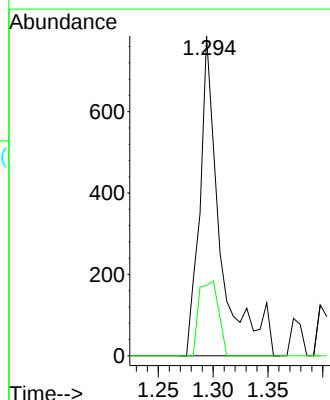
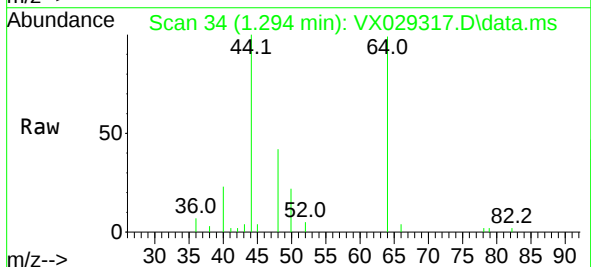
Instrument :
MSVOA_X
ClientSampleId :
EFF0622RE

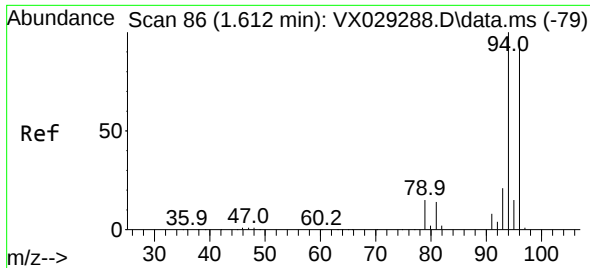
Tgt Ion:168 Resp: 294049
Ion Ratio Lower Upper
168 100
99 61.0 41.7 62.5



#3
Chloromethane
Concen: 0.204 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029317.D
Acq: 08 Jun 2022 13:40

Tgt Ion: 50 Resp: 1017
Ion Ratio Lower Upper
50 100
52 22.0 26.4 39.6#

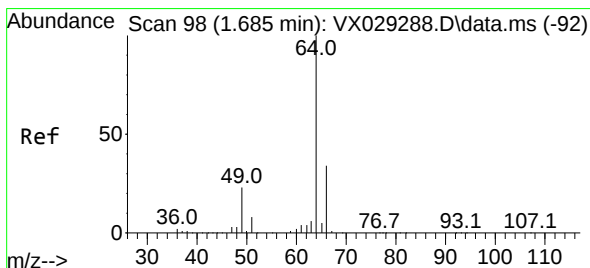
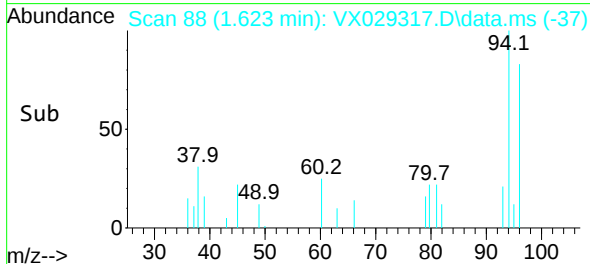
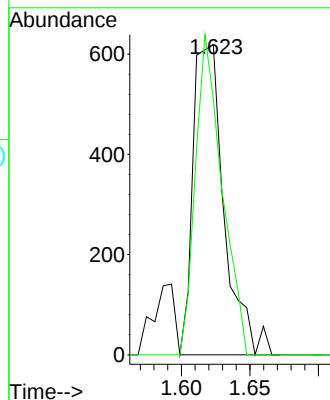
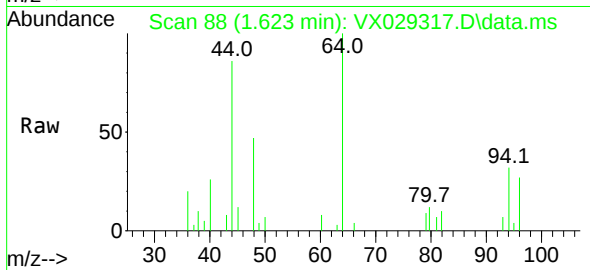




#5
Bromomethane
Concen: 0.354 ug/l
RT: 1.623 min Scan# 81
Delta R.T. 0.011 min
Lab File: VX029317.D
Acq: 08 Jun 2022 13:40

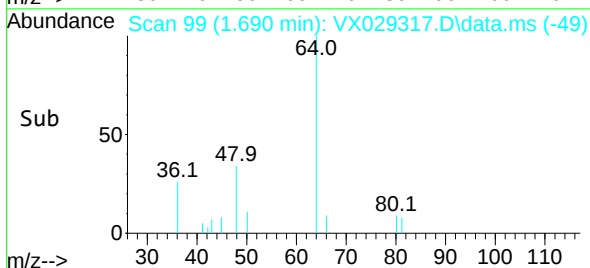
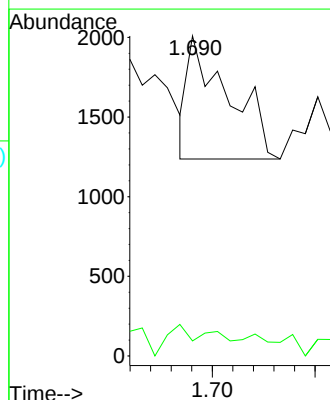
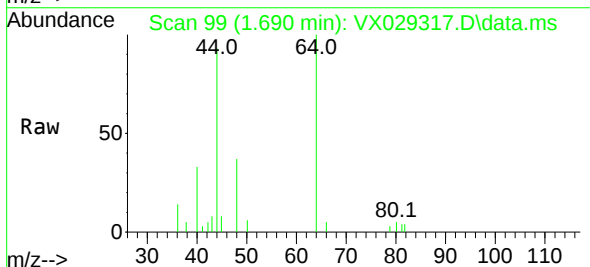
Instrument :
MSVOA_X
ClientSampleId :
EFF0622RE

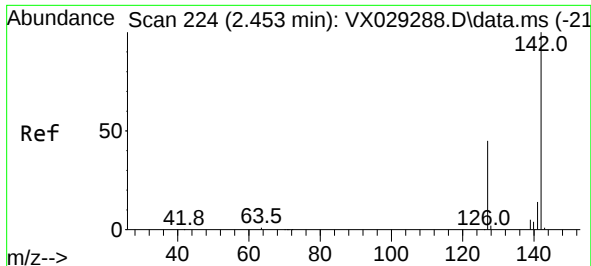
Tgt Ion: 94 Resp: 981
Ion Ratio Lower Upper
94 100
96 82.6 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.690 min Scan# 99
Delta R.T. 0.005 min
Lab File: VX029317.D
Acq: 08 Jun 2022 13:40

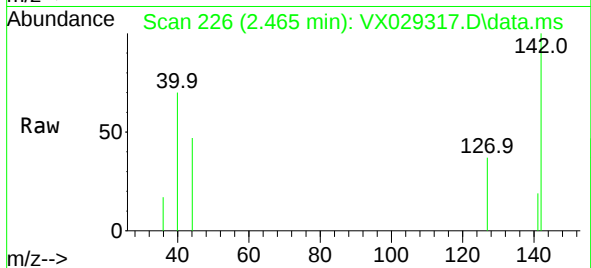
Tgt Ion: 64 Resp: 1061
Ion Ratio Lower Upper
64 100
66 1.2 25.3 37.9#



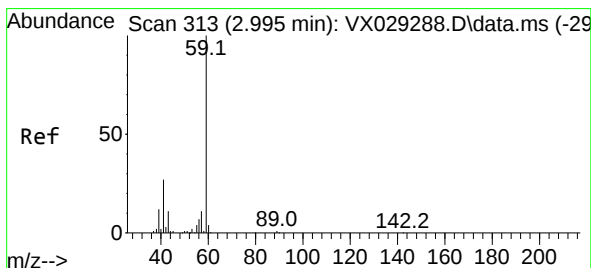
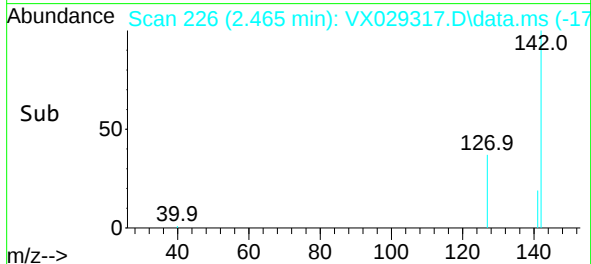
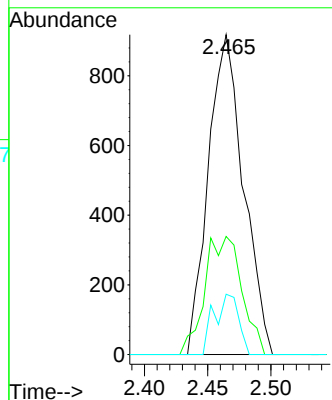


#10
Methyl Iodide
Concen: 1.544 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029317.D
Acq: 08 Jun 2022 13:40

Instrument :
MSVOA_X
ClientSampleId :
EFF0622RE

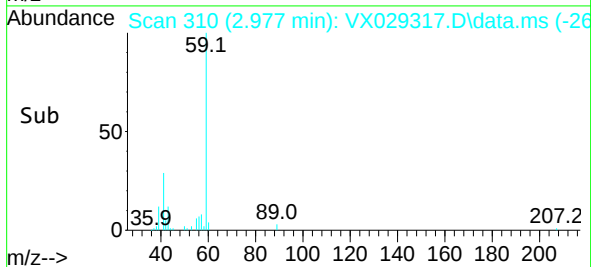
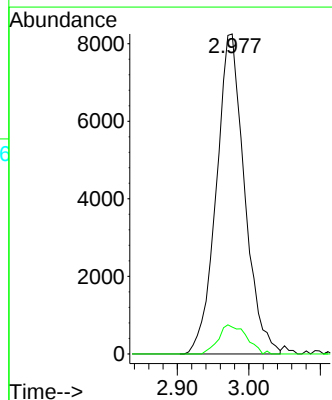
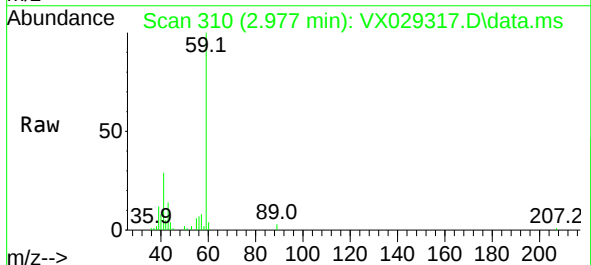


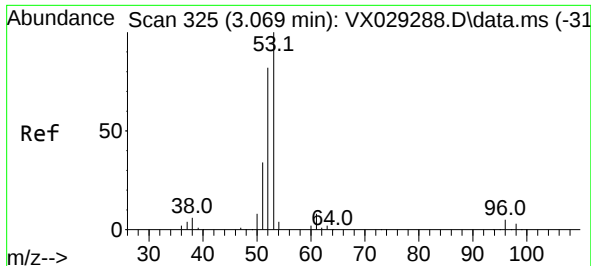
Tgt Ion:142 Resp: 1774
Ion Ratio Lower Upper
142 100
127 39.0 33.9 50.9
141 13.1 11.4 17.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.977 min Scan# 310
Delta R.T. -0.018 min
Lab File: VX029317.D
Acq: 08 Jun 2022 13:40

Tgt Ion: 59 Resp: 22572
Ion Ratio Lower Upper
59 100
57 9.0 8.3 12.5





#15

Acrylonitrile

Concen: 0.515 ug/l

RT: 3.080 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX029317.D

Acq: 08 Jun 2022 13:40

Instrument :

MSVOA_X

ClientSampleId :

EFF0622RE

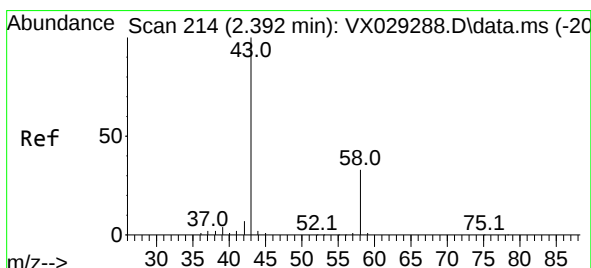
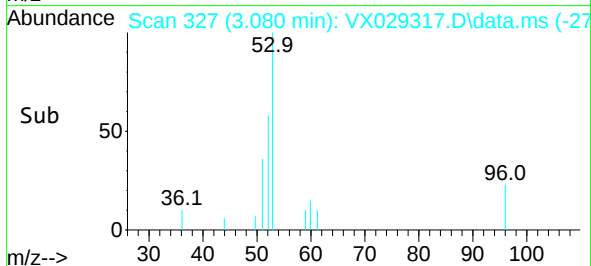
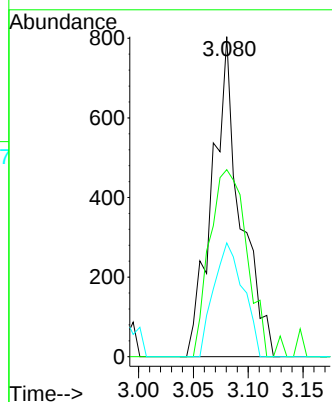
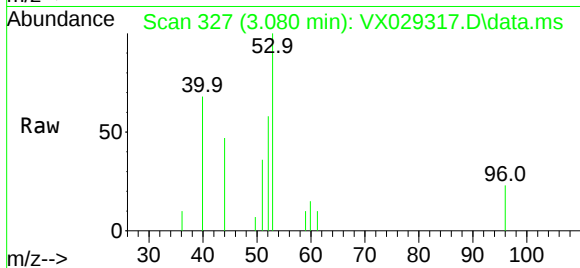
Tgt Ion: 53 Resp: 1442

Ion Ratio Lower Upper

53 100

52 76.3 65.7 98.5

51 37.3 28.4 42.6



#16

Acetone

Concen: 1.524 ug/l

RT: 2.391 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX029317.D

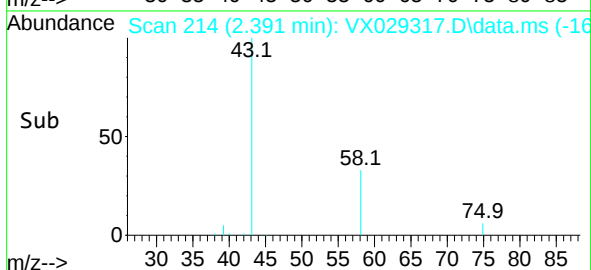
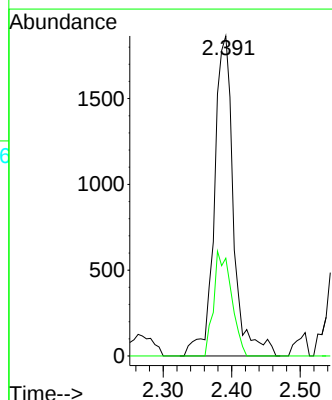
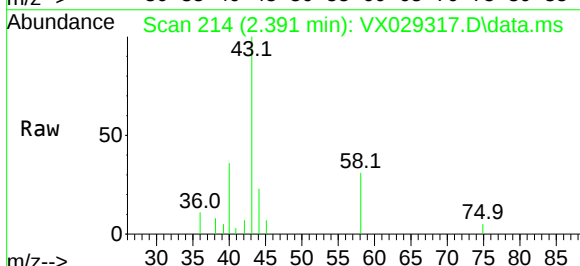
Acq: 08 Jun 2022 13:40

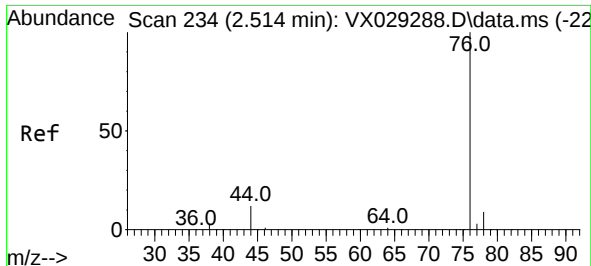
Tgt Ion: 43 Resp: 3626

Ion Ratio Lower Upper

43 100

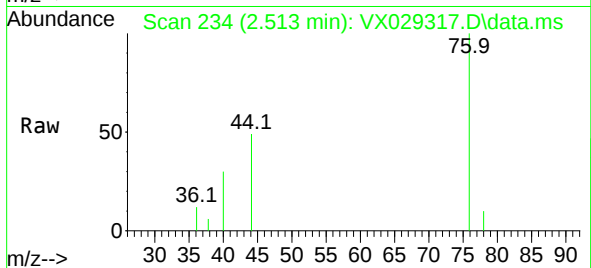
58 30.6 28.8 43.2



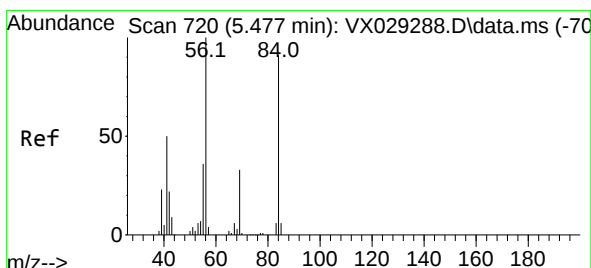
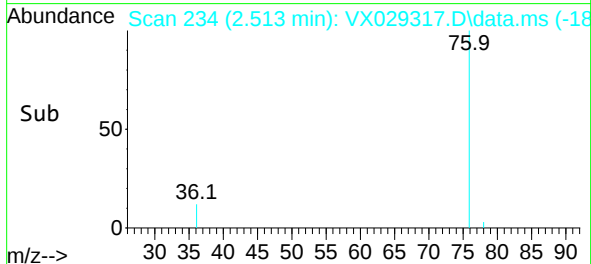
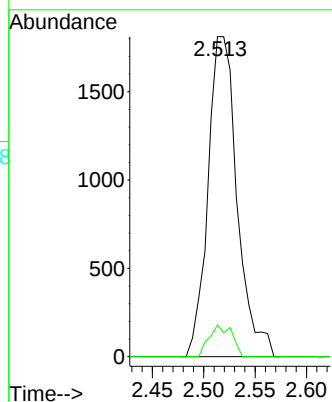


#17
Carbon Disulfide
Concen: 0.329 ug/l
RT: 2.513 min Scan# 21
Delta R.T. -0.001 min
Lab File: VX029317.D
Acq: 08 Jun 2022 13:40

Instrument :
MSVOA_X
ClientSampleId :
EFF0622RE

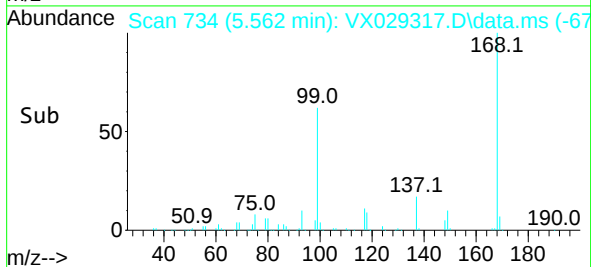
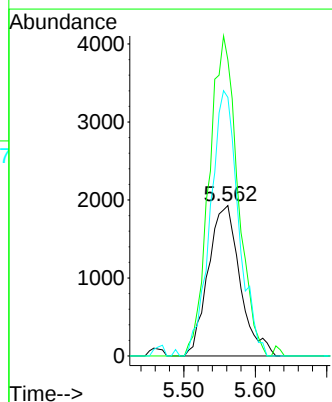
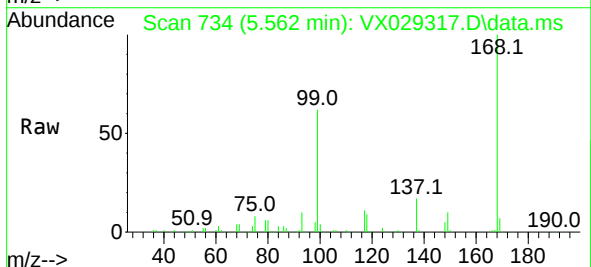


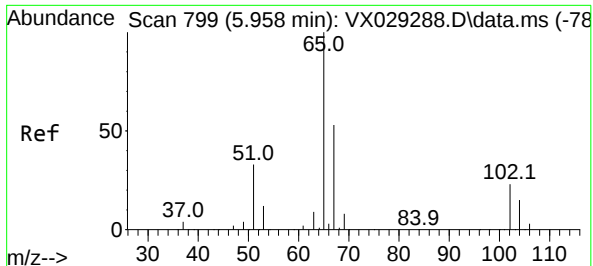
Tgt Ion: 76 Resp: 3578
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8



#31
Cyclohexane
Concen: 0.747 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX029317.D
Acq: 08 Jun 2022 13:40

Tgt Ion: 56 Resp: 5957
Ion Ratio Lower Upper
56 100
69 196.8 26.7 40.1#
84 172.0 77.2 115.8#

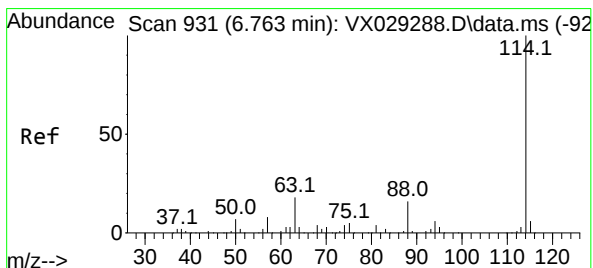
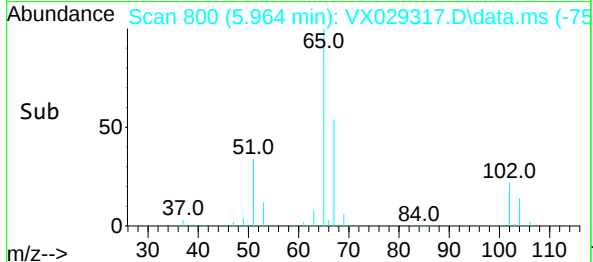
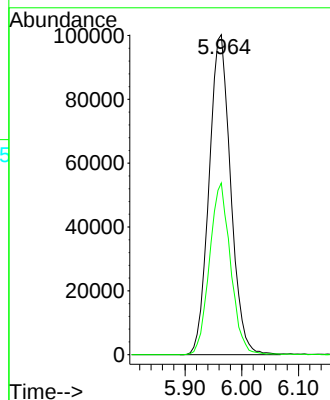
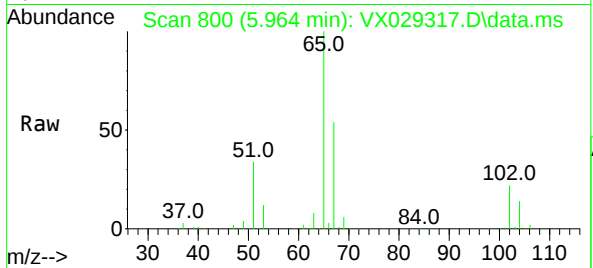




#33
 1,2-Dichloroethane-d4
 Concen: 59.485 ug/l
 RT: 5.964 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VX029317.D
 Acq: 08 Jun 2022 13:40

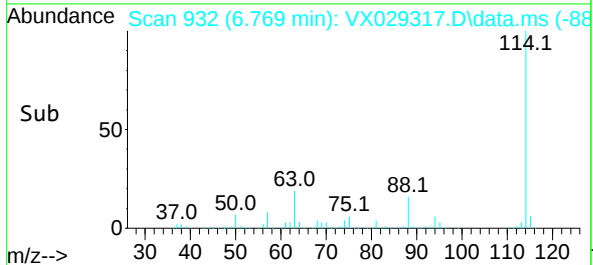
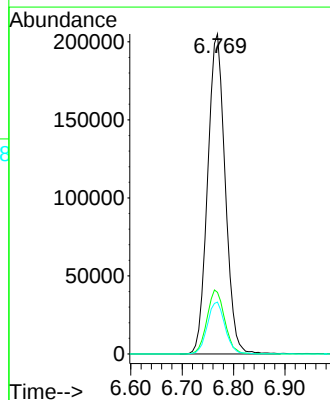
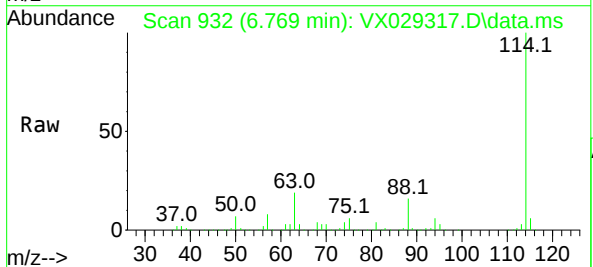
Instrument :
 MSVOA_X
 ClientSampleId :
 EFF0622RE

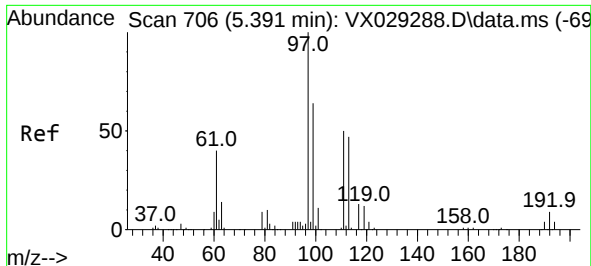
Tgt Ion: 65 Resp: 264771
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.006 min
 Lab File: VX029317.D
 Acq: 08 Jun 2022 13:40

Tgt Ion: 114 Resp: 485402
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 36.8
 88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.156 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.001 min

Lab File: VX029317.D

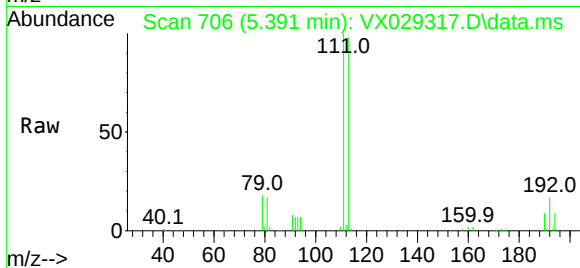
Acq: 08 Jun 2022 13:40

Instrument :

MSVOA_X

ClientSampleId :

EFF0622RE



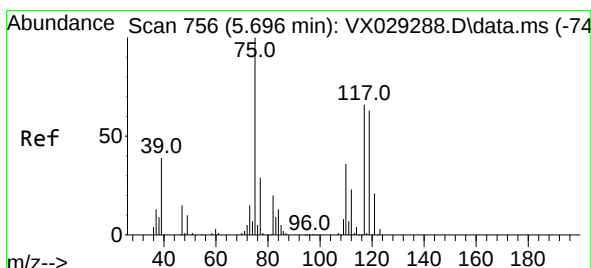
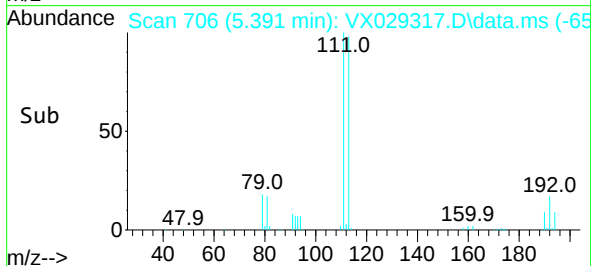
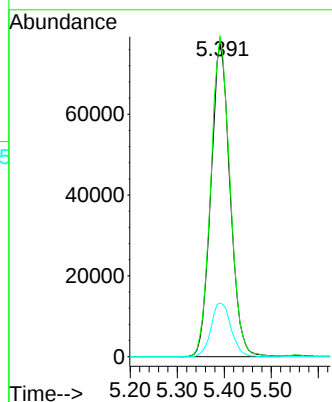
Tgt Ion:113 Resp: 219352

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

192 17.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 3.404 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.135 min

Lab File: VX029317.D

Acq: 08 Jun 2022 13:40

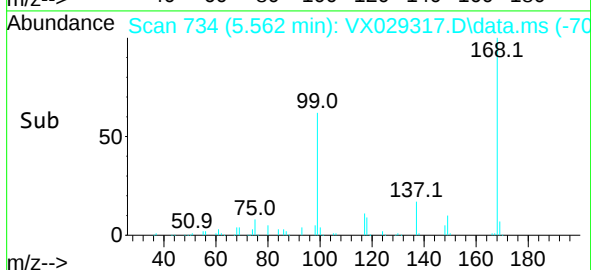
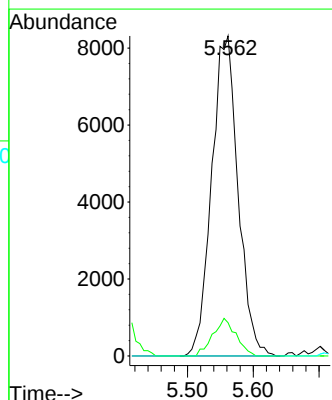
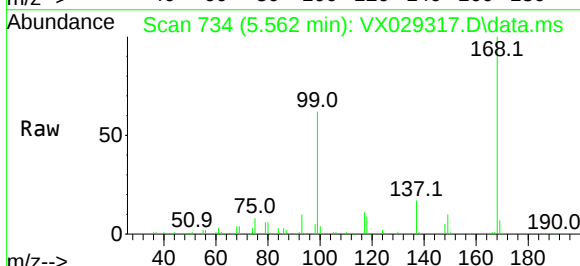
Tgt Ion: 75 Resp: 23205

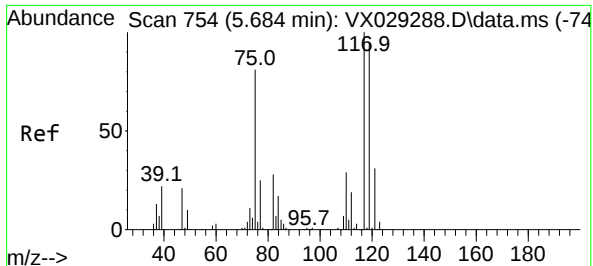
Ion Ratio Lower Upper

75 100

110 10.3 18.3 54.8#

77 0.0 24.8 37.2#

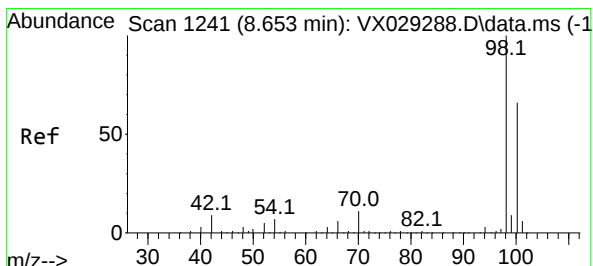
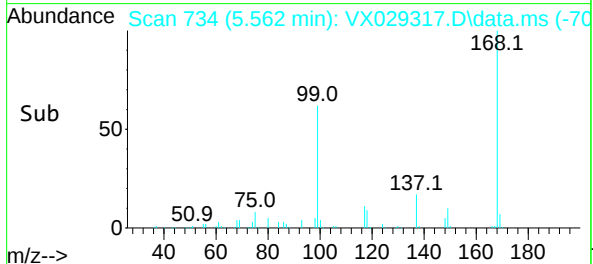
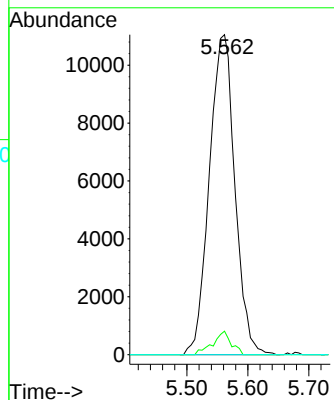
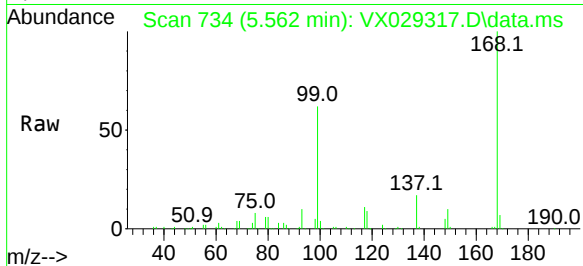




#38
Carbon Tetrachloride
Concen: 4.620 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029317.D
Acq: 08 Jun 2022 13:40

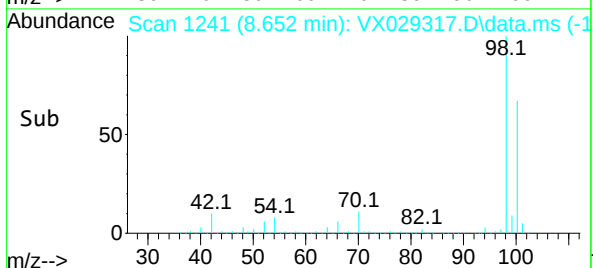
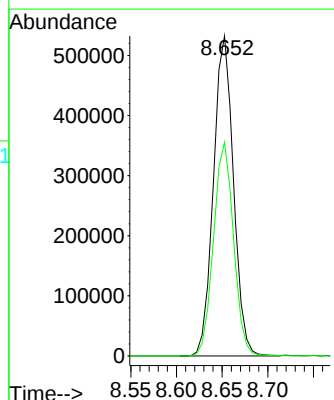
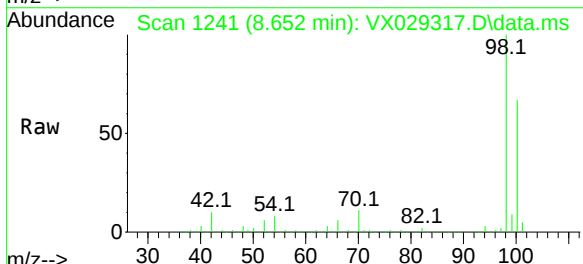
Instrument :
MSVOA_X
ClientSampleId :
EFF0622RE

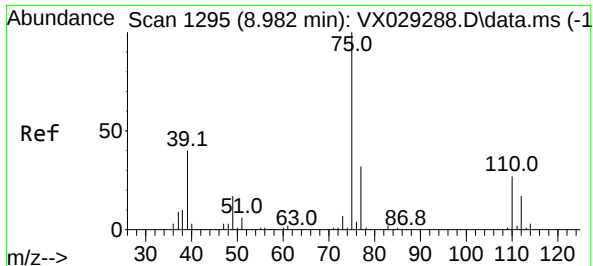
Tgt Ion:117 Resp: 32191
Ion Ratio Lower Upper
117 100
119 7.3 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 55.699 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029317.D
Acq: 08 Jun 2022 13:40

Tgt Ion: 98 Resp: 812901
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8





#53

t-1,3-Dichloropropene

Concen: 1.346 ug/l

RT: 9.000 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX029317.D

Acq: 08 Jun 2022 13:40

Instrument :

MSVOA_X

ClientSampleId :

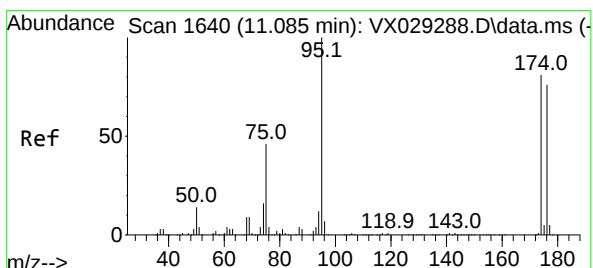
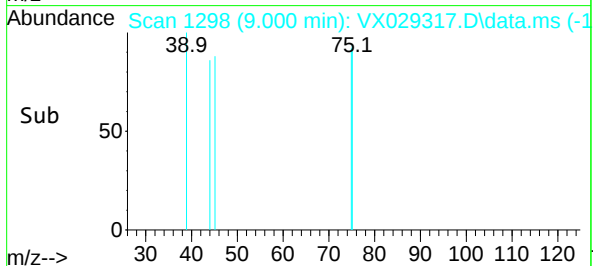
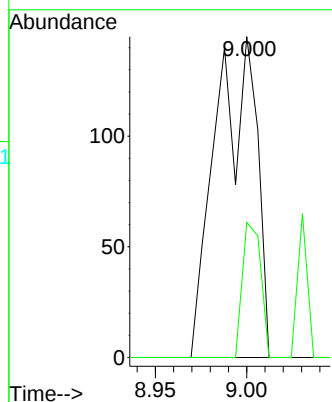
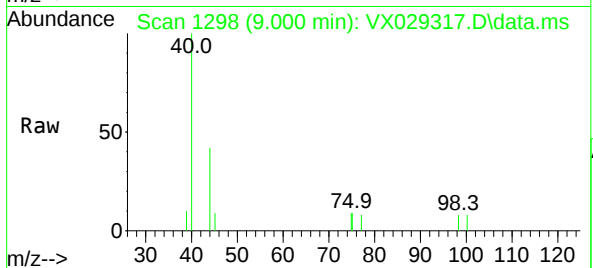
EFF0622RE

Tgt Ion: 75 Resp: 224

Ion Ratio Lower Upper

75 100

77 42.1 25.4 38.0#



#62

4-Bromofluorobenzene

Concen: 52.386 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX029317.D

Acq: 08 Jun 2022 13:40

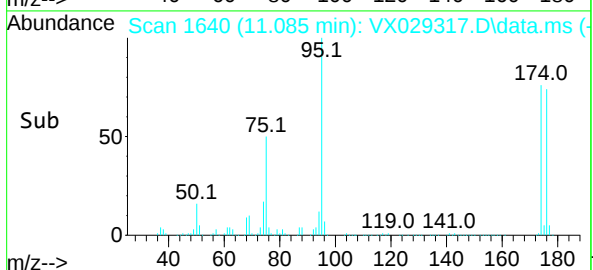
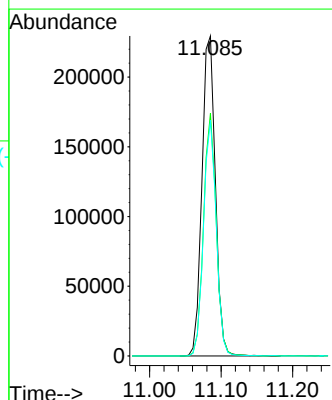
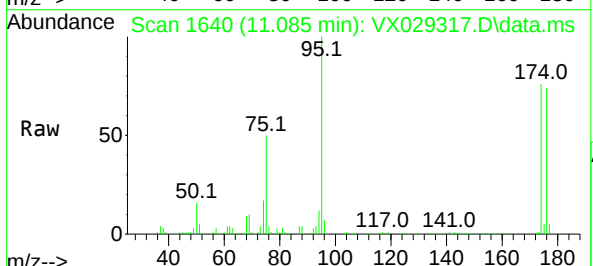
Tgt Ion: 95 Resp: 299199

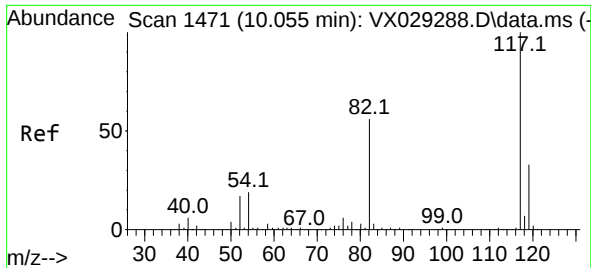
Ion Ratio Lower Upper

95 100

174 71.6 0.0 163.0

176 69.6 0.0 155.0

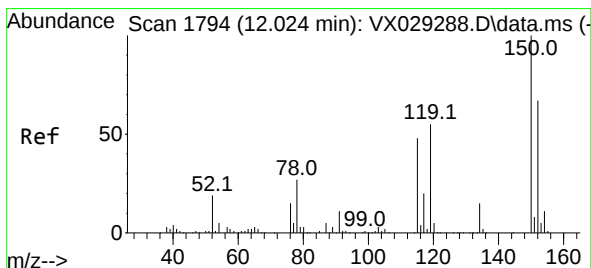
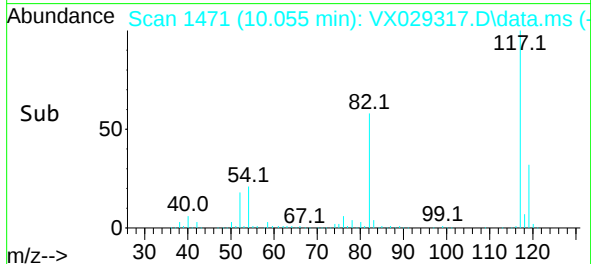
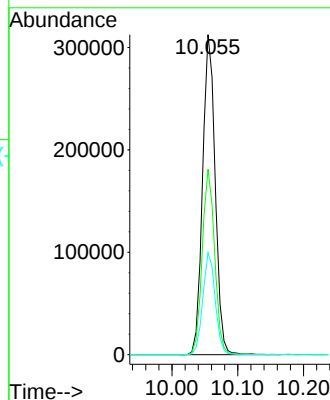
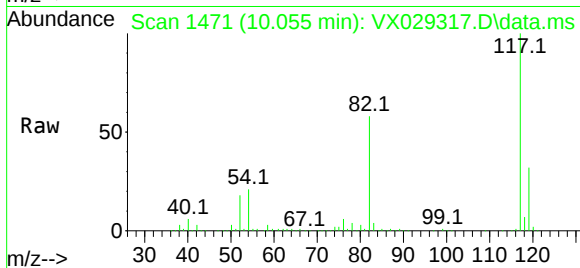




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.001 min
Lab File: VX029317.D
Acq: 08 Jun 2022 13:40

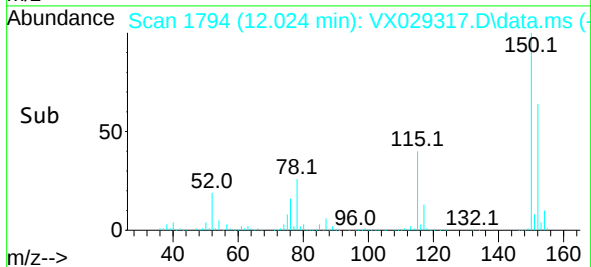
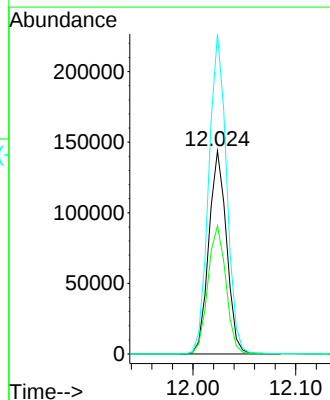
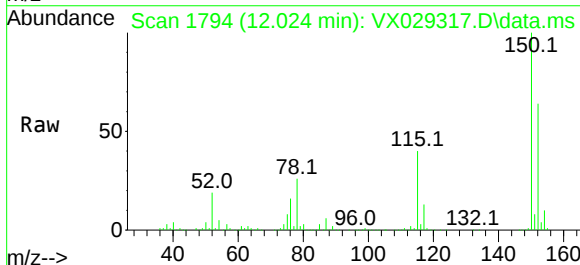
Instrument :
MSVOA_X
ClientSampleId :
EFF0622RE

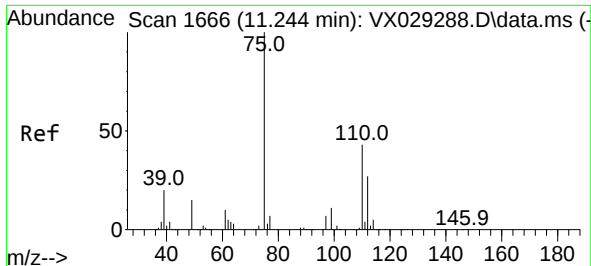
Tgt Ion:117 Resp: 417239
Ion Ratio Lower Upper
117 100
82 58.0 41.8 62.8
119 31.9 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029317.D
Acq: 08 Jun 2022 13:40

Tgt Ion:152 Resp: 172548
Ion Ratio Lower Upper
152 100
115 64.2 37.5 112.7
150 158.6 0.0 338.2

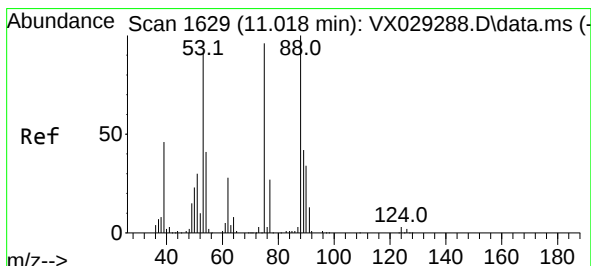
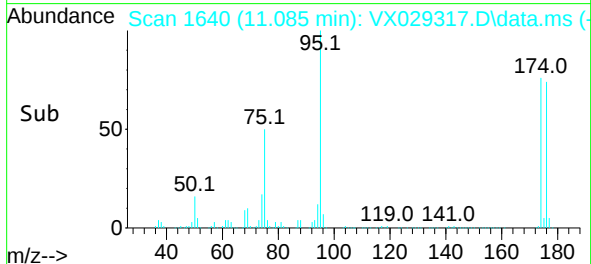
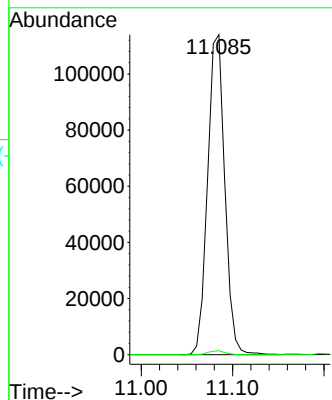
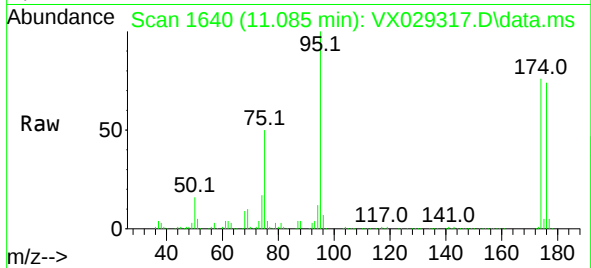




#76
1,2,3-Trichloropropane
Concen: 36.853 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX029317.D
Acq: 08 Jun 2022 13:40

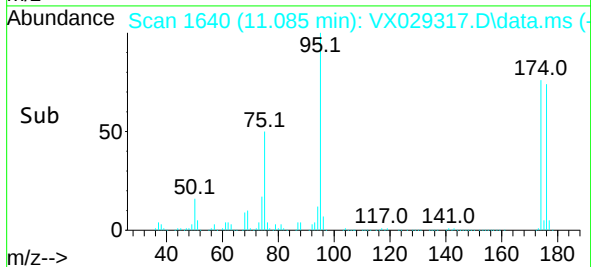
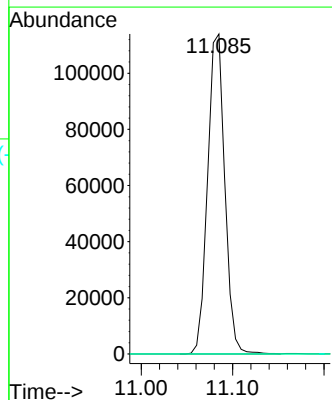
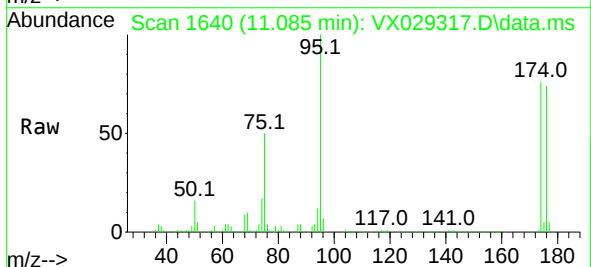
Instrument :
MSVOA_X
ClientSampleId :
EFF0622RE

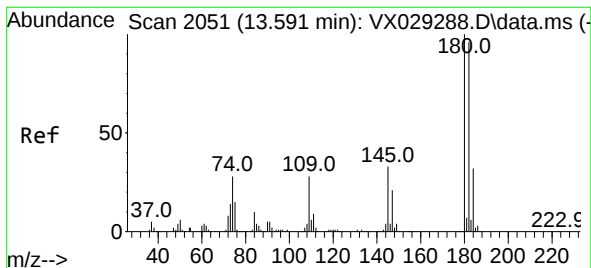
Tgt Ion: 75 Resp: 148526
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.764 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX029317.D
Acq: 08 Jun 2022 13:40

Tgt Ion: 75 Resp: 148526
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.296 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. -0.001 min

Lab File: VX029317.D

Acq: 08 Jun 2022 13:40

Instrument :

MSVOA_X

ClientSampleId :

EFF0622RE

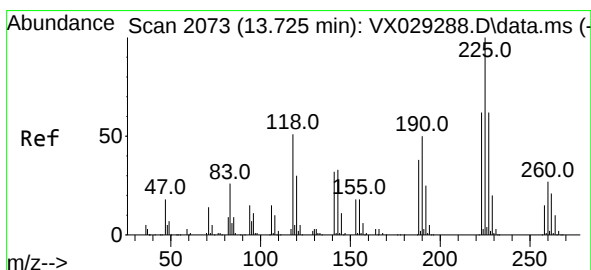
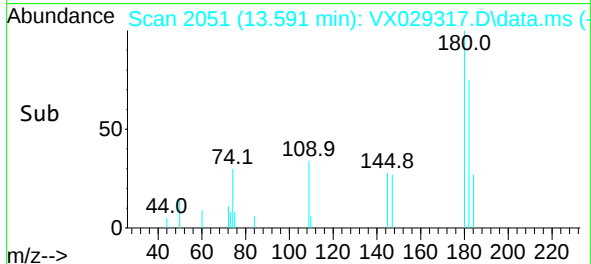
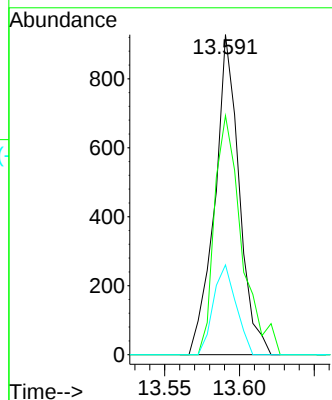
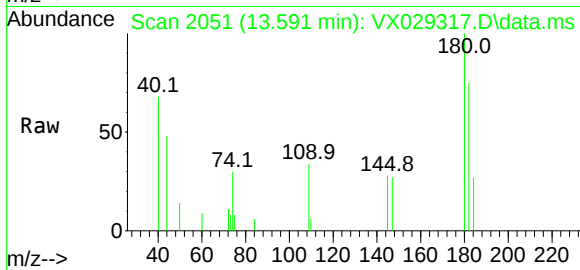
Tgt Ion:180 Resp: 1054

Ion Ratio Lower Upper

180 100

182 83.1 47.7 143.1

145 26.0 15.2 45.5



#94

Hexachlorobutadiene

Concen: 0.393 ug/l

RT: 13.731 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VX029317.D

Acq: 08 Jun 2022 13:40

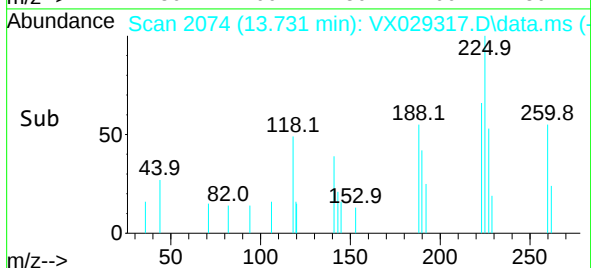
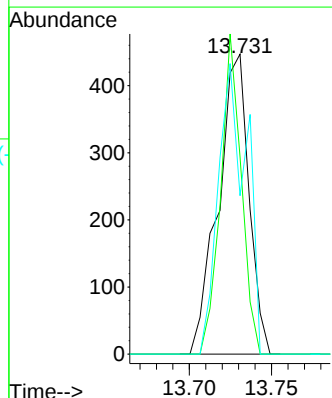
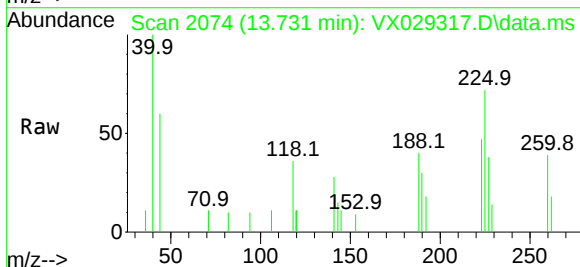
Tgt Ion:225 Resp: 582

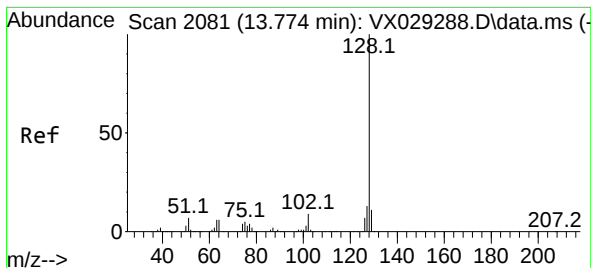
Ion Ratio Lower Upper

225 100

223 71.5 34.2 102.5

227 88.5 33.9 101.7





#95

Naphthalene

Concen: 0.225 ug/l

RT: 13.786 min Scan# 2081

Delta R.T. 0.012 min

Lab File: VX029317.D

Acq: 08 Jun 2022 13:40

Instrument :

MSVOA_X

ClientSampleId :

EFF0622RE

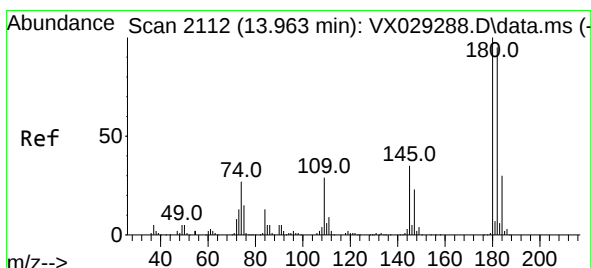
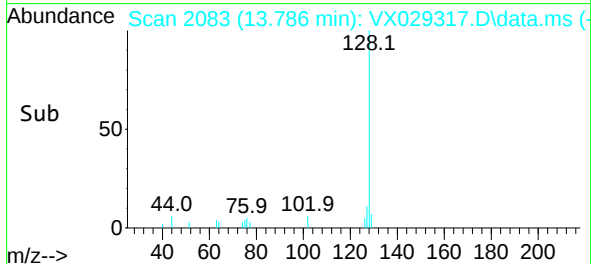
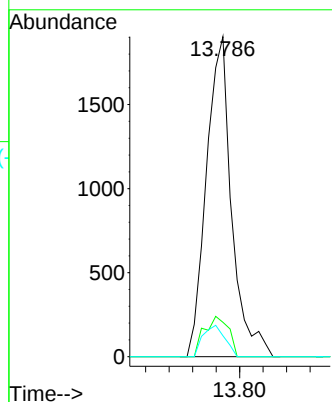
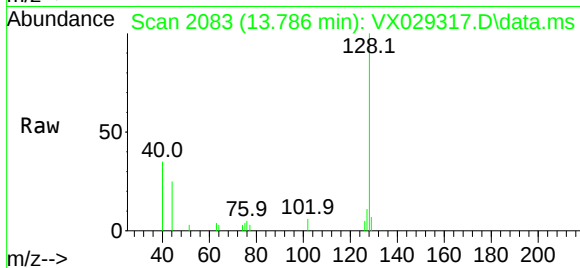
Tgt Ion:128 Resp: 2833

Ion Ratio Lower Upper

128 100

127 12.1 10.2 15.4

129 8.5 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.264 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.001 min

Lab File: VX029317.D

Acq: 08 Jun 2022 13:40

Tgt Ion:180 Resp: 938

Ion Ratio Lower Upper

180 100

182 102.9 50.0 149.8

145 32.0 16.2 48.5

