

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060622\
 Data File : VX029234.D
 Acq On : 06 Jun 2022 13:14
 Operator : JC/MD
 Sample : N3174-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF0622

Quant Time: Jun 07 06:03:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	308888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	578849	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	564985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	262499	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	207639	59.612	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	119.220%
35) Dibromofluoromethane	5.391	113	192425	50.048	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.100%
50) Toluene-d8	8.653	98	687331	48.878	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.760%
62) 4-Bromofluorobenzene	11.079	95	278222	51.183	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.360%

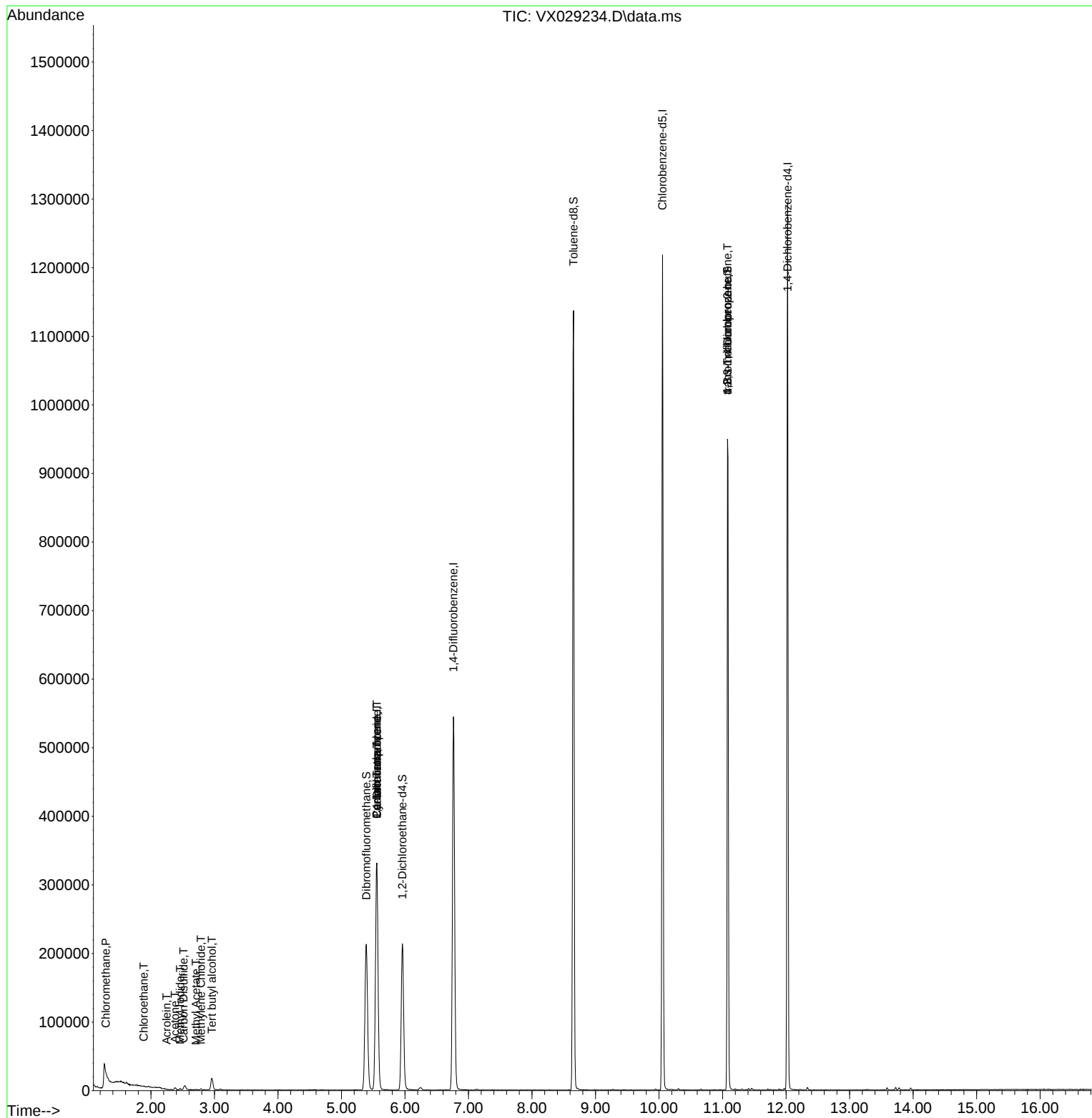
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	2297	0.817	ug/l	# 77
5) Bromomethane	1.611	94	981	Below	Cal	99
6) Chloroethane	1.886	64	1421	1.914	ug/l	# 47
10) Methyl Iodide	2.459	142	1817	4.704	ug/l	98
11) Tert butyl alcohol	2.959	59	20188	25.020	ug/l	99
13) Acrolein	2.246	56	112	0.306	ug/l	# 37
16) Acetone	2.380	43	3274	2.387	ug/l	97
17) Carbon Disulfide	2.514	76	4518	0.592	ug/l	# 88
18) Methyl Acetate	2.709	43	989	0.279	ug/l	# 88
20) Methylene Chloride	2.788	84	765	0.239	ug/l	90
31) Cyclohexane	5.556	56	6016	1.329	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	23560	4.762	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	32758	5.794	ug/l	# 16
44) Trichloroethene	7.135	130	485	Below	Cal	70
76) 1,2,3-Trichloropropane	11.079	75	135627	25.488	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	135627	74.776	ug/l	# 15
94) Hexachlorobutadiene	13.725	225	543	Below	Cal	95

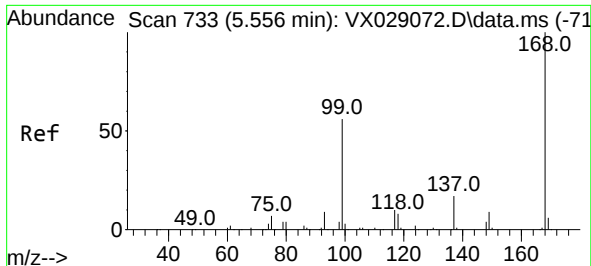
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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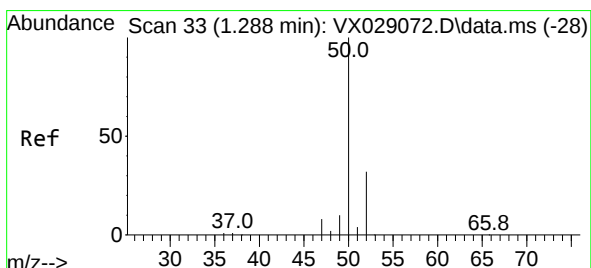
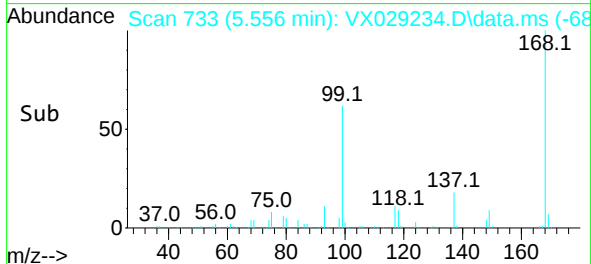
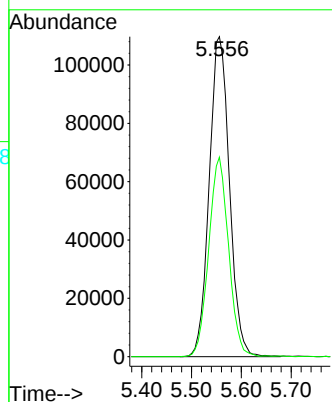
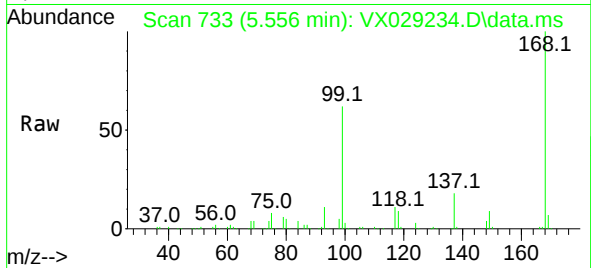




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

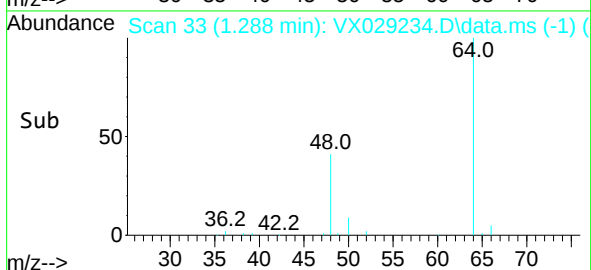
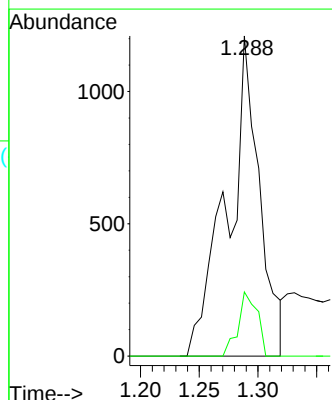
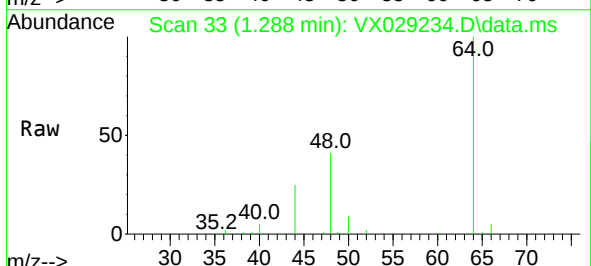
Instrument :
MSVOA_X
ClientSampleId :
EFF0622

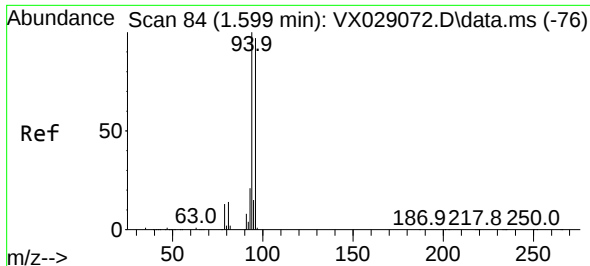
Tgt Ion:168 Resp: 308888
Ion Ratio Lower Upper
168 100
99 62.4 41.7 62.5



#3
Chloromethane
Concen: 0.817 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

Tgt Ion: 50 Resp: 2297
Ion Ratio Lower Upper
50 100
52 20.0 26.4 39.6#

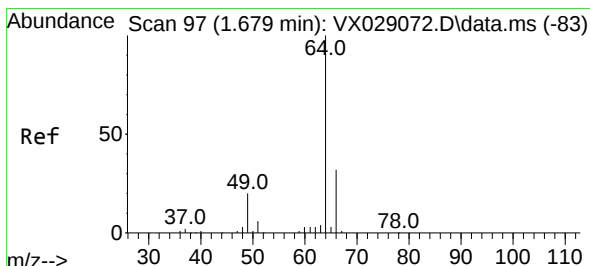
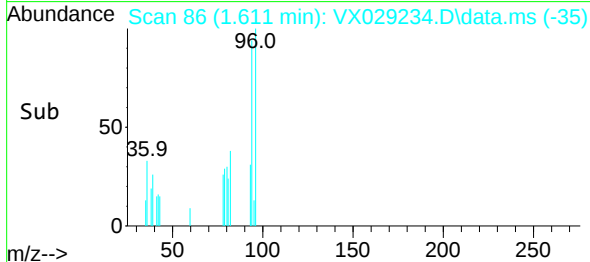
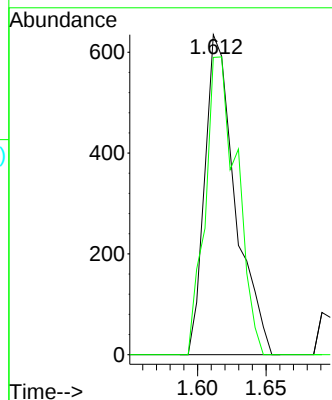
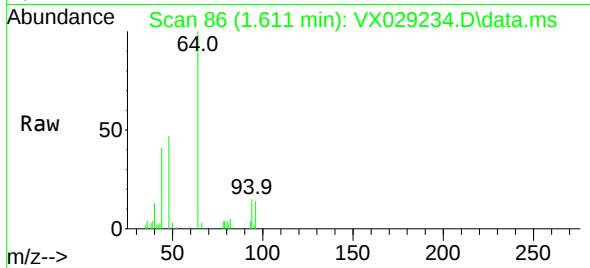




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

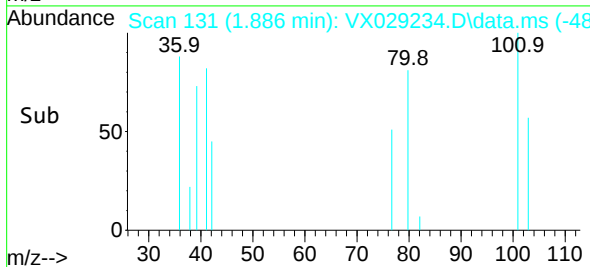
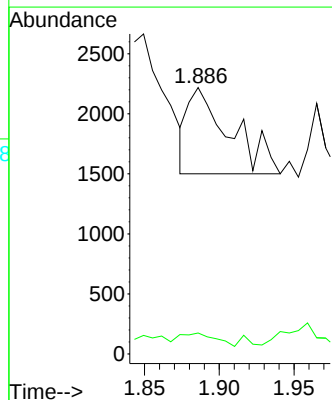
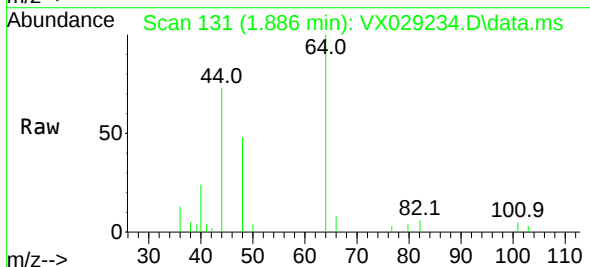
Instrument :
MSVOA_X
ClientSampleId :
EFF0622

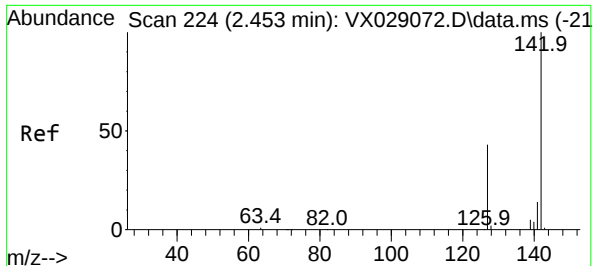
Tgt Ion: 94 Resp: 981
Ion Ratio Lower Upper
94 100
96 92.9 75.3 112.9



#6
Chloroethane
Concen: 1.914 ug/l
RT: 1.886 min Scan# 131
Delta R.T. 0.207 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

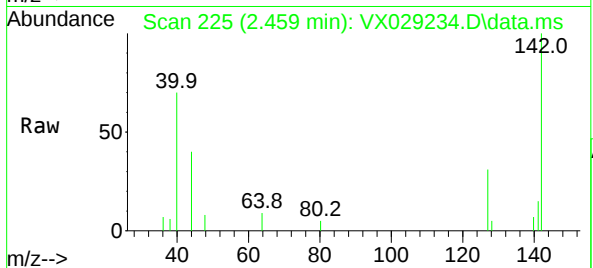
Tgt Ion: 64 Resp: 1421
Ion Ratio Lower Upper
64 100
66 1.9 25.3 37.9#



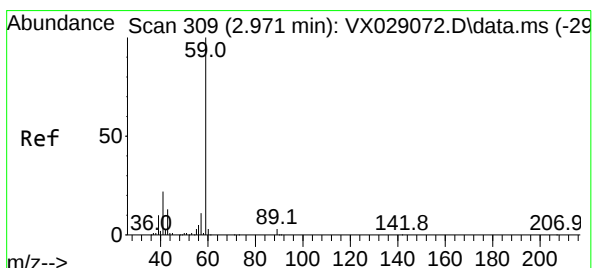
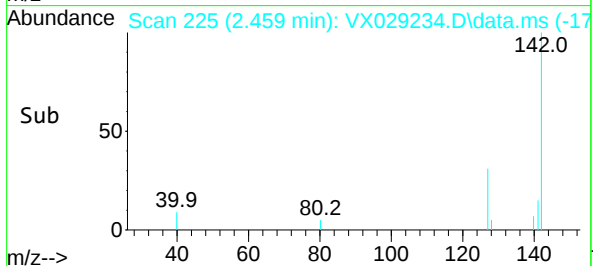
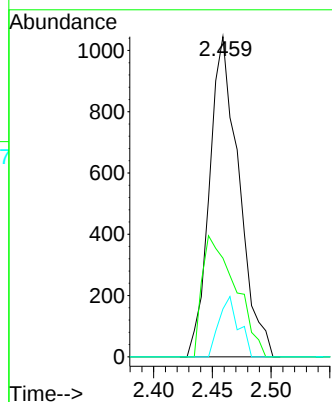


#10
Methyl Iodide
Concen: 4.704 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

Instrument :
MSVOA_X
ClientSampleId :
EFF0622

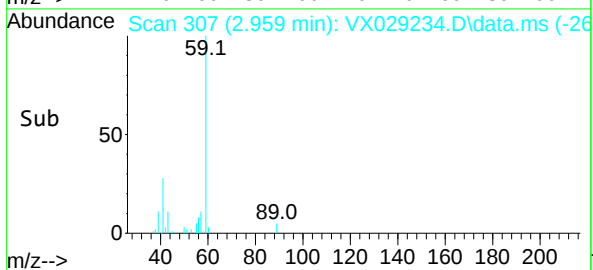
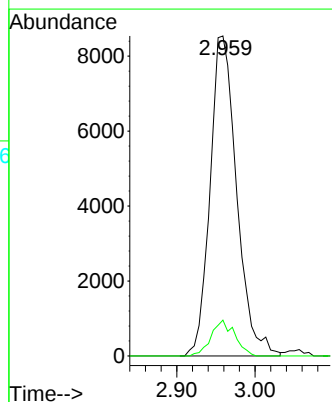
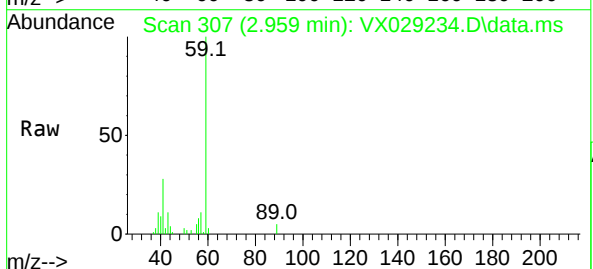


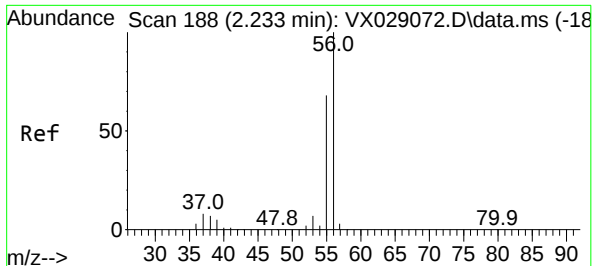
Tgt Ion:142 Resp: 1817
Ion Ratio Lower Upper
142 100
127 42.8 33.9 50.9
141 12.5 11.4 17.2



#11
Tert butyl alcohol
Concen: 25.020 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

Tgt Ion: 59 Resp: 20188
Ion Ratio Lower Upper
59 100
57 9.9 8.3 12.5

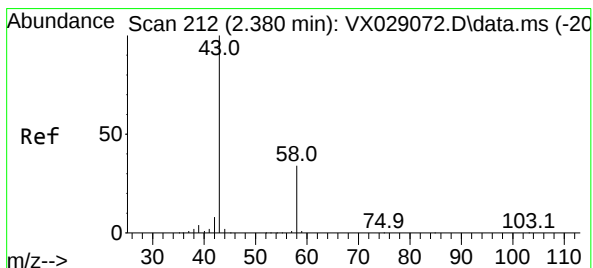
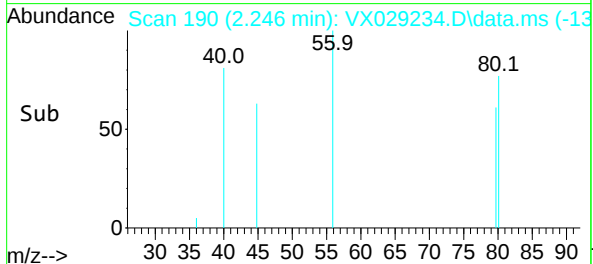
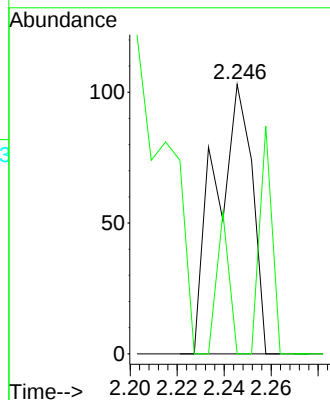
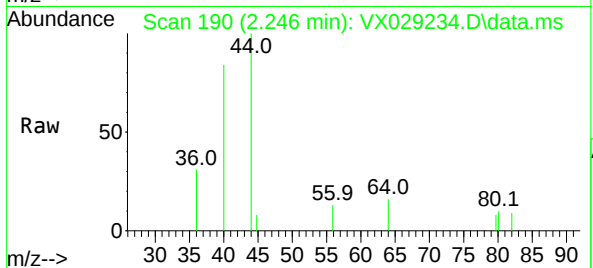




#13
Acrolein
Concen: 0.306 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.013 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

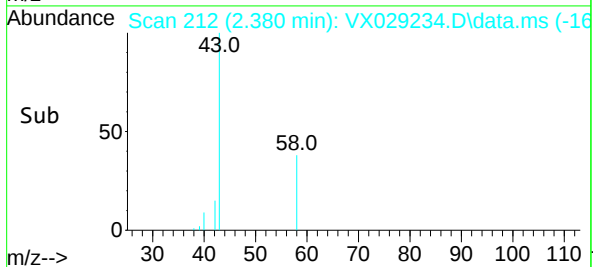
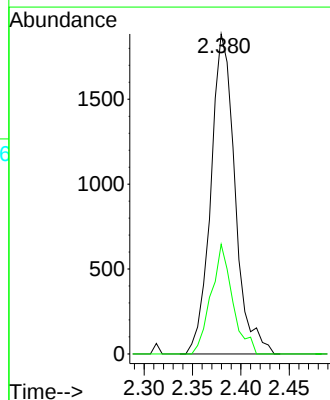
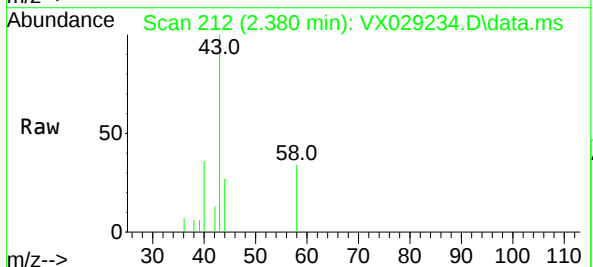
Instrument :
MSVOA_X
ClientSampleId :
EFF0622

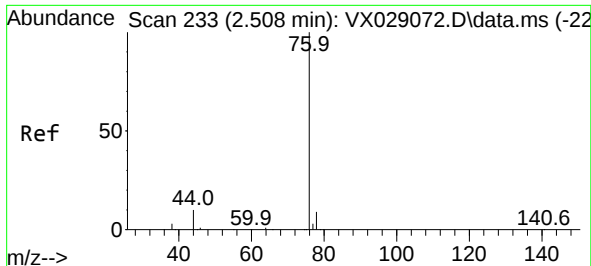
Tgt Ion: 56 Resp: 112
Ion Ratio Lower Upper
56 100
55 17.9 55.0 82.6#



#16
Acetone
Concen: 2.387 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

Tgt Ion: 43 Resp: 3274
Ion Ratio Lower Upper
43 100
58 34.2 28.8 43.2





#17

Carbon Disulfide

Concen: 0.592 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX029234.D

Acq: 06 Jun 2022 13:14

Instrument :

MSVOA_X

ClientSampleId :

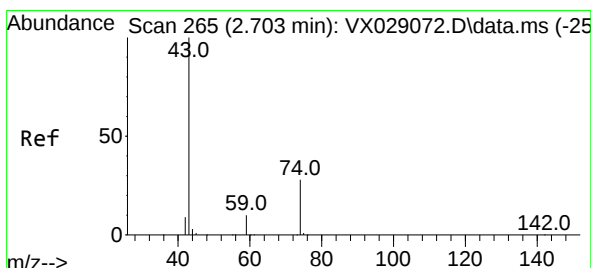
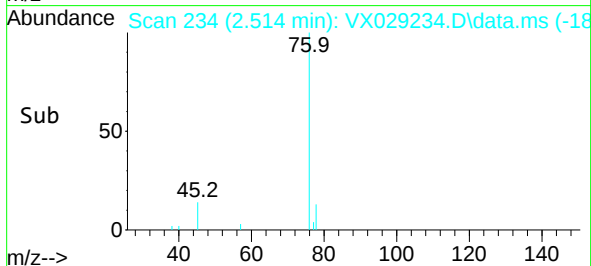
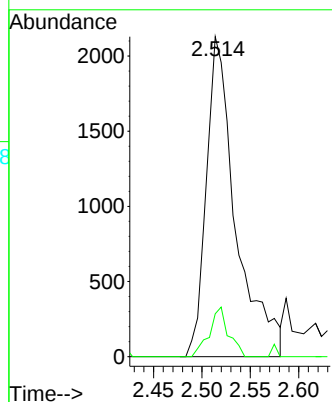
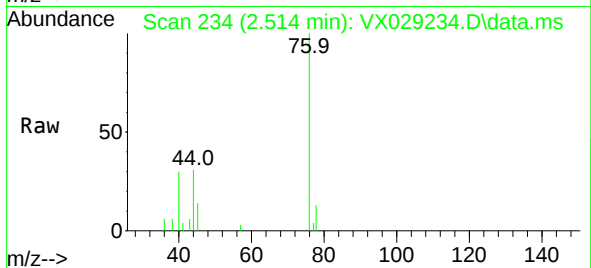
EFF0622

Tgt Ion: 76 Resp: 4518

Ion Ratio Lower Upper

76 100

78 13.4 7.2 10.8#



#18

Methyl Acetate

Concen: 0.279 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX029234.D

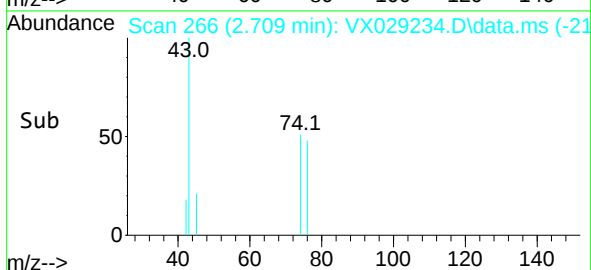
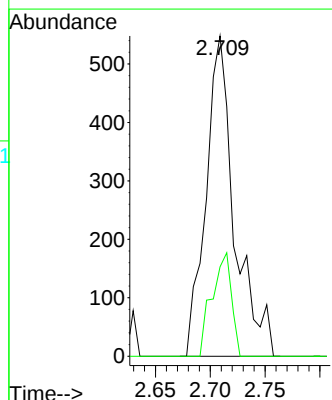
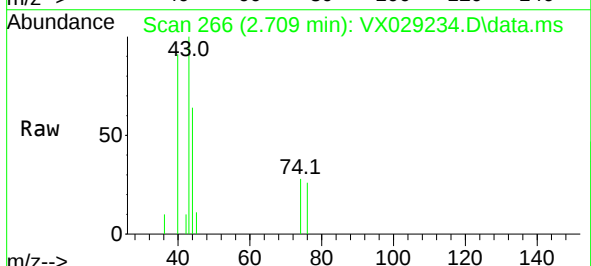
Acq: 06 Jun 2022 13:14

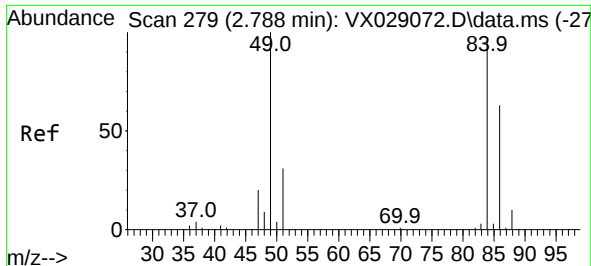
Tgt Ion: 43 Resp: 989

Ion Ratio Lower Upper

43 100

74 22.1 22.8 34.2#





#20

Methylene Chloride

Concen: 0.239 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX029234.D

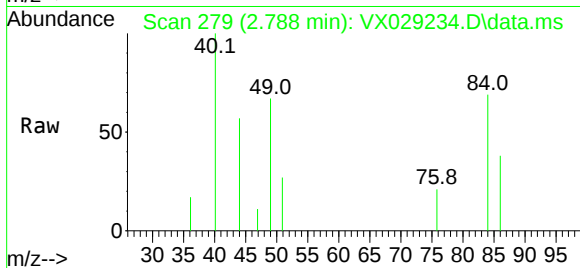
Acq: 06 Jun 2022 13:14

Instrument :

MSVOA_X

ClientSampleId :

EFF0622



Tgt Ion: 84 Resp: 765

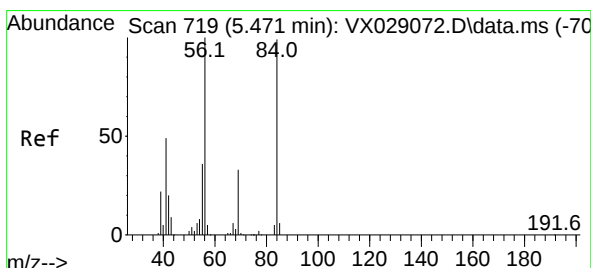
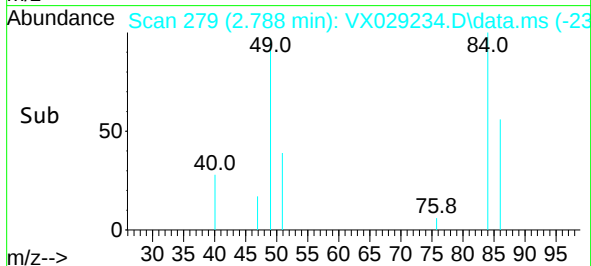
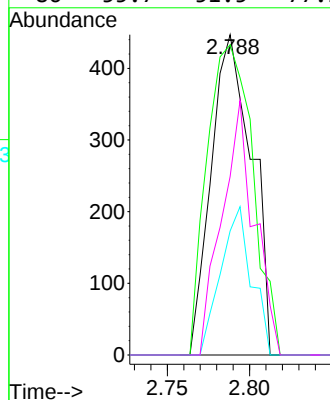
Ion Ratio Lower Upper

84 100

49 96.9 85.5 128.3

51 38.7 26.6 39.8

86 55.7 51.5 77.3



#31

Cyclohexane

Concen: 1.329 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX029234.D

Acq: 06 Jun 2022 13:14

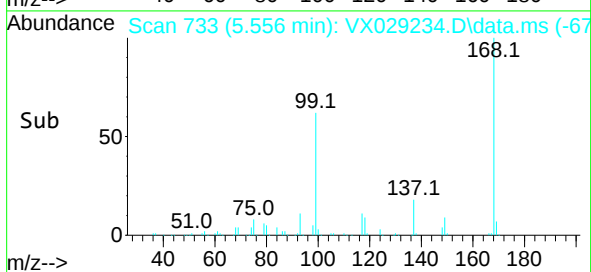
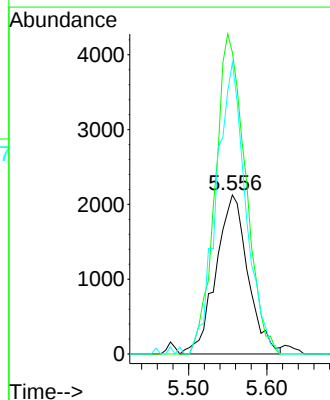
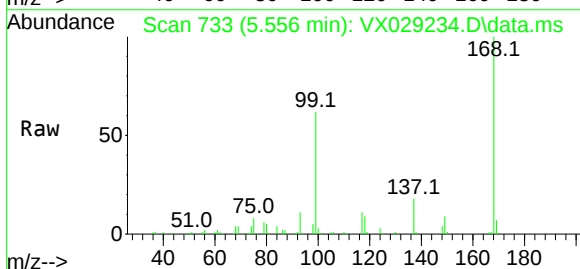
Tgt Ion: 56 Resp: 6016

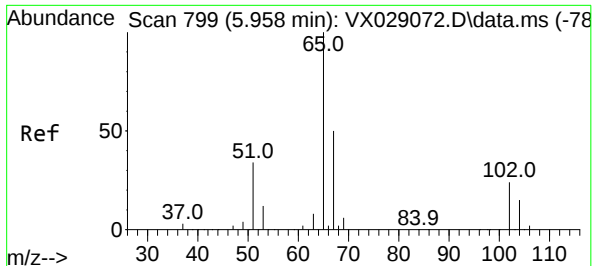
Ion Ratio Lower Upper

56 100

69 189.7 26.7 40.1#

84 183.2 77.2 115.8#

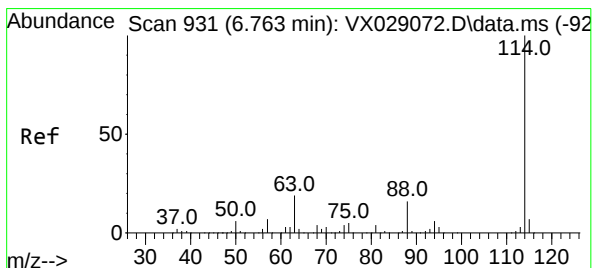
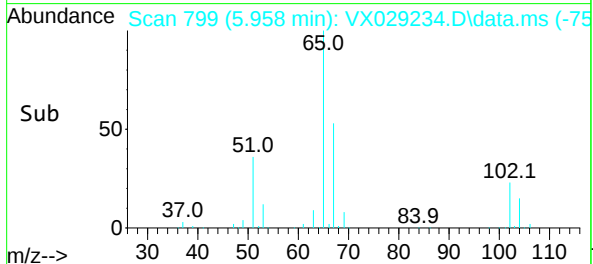
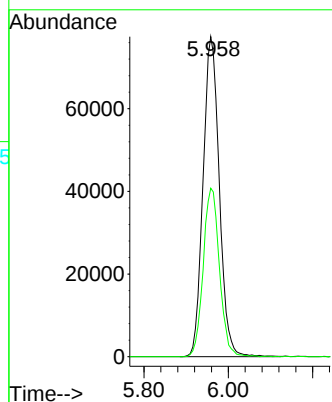
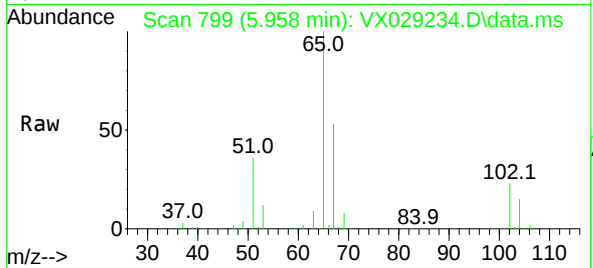




#33
1,2-Dichloroethane-d4
Concen: 59.612 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

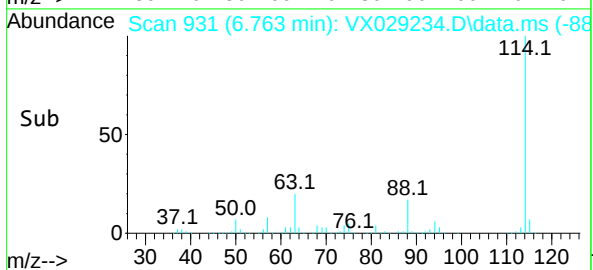
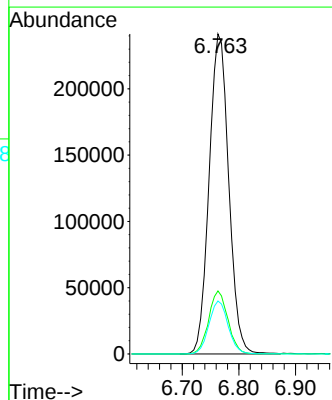
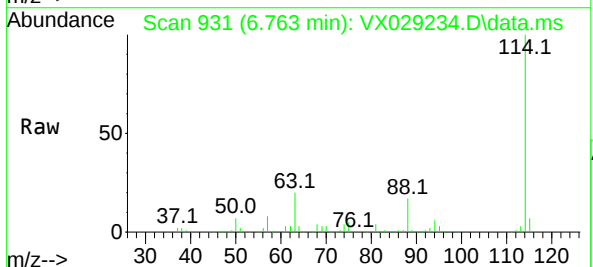
Instrument :
MSVOA_X
ClientSampleId :
EFF0622

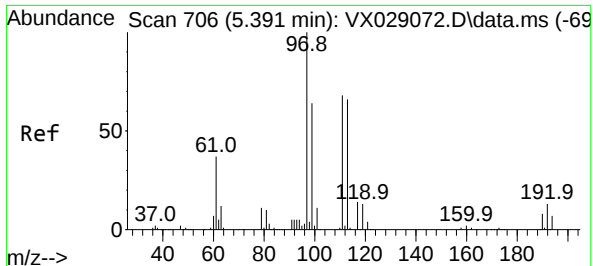
Tgt Ion: 65 Resp: 207639
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

Tgt Ion: 114 Resp: 578849
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.8
88 16.6 0.0 32.4

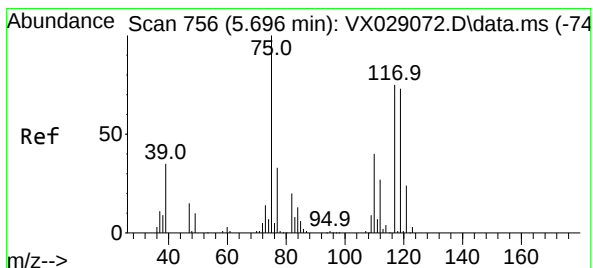
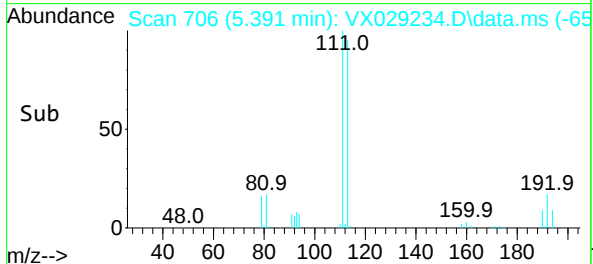
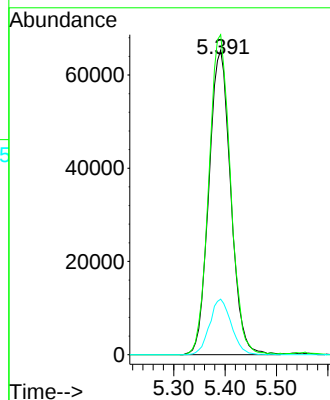
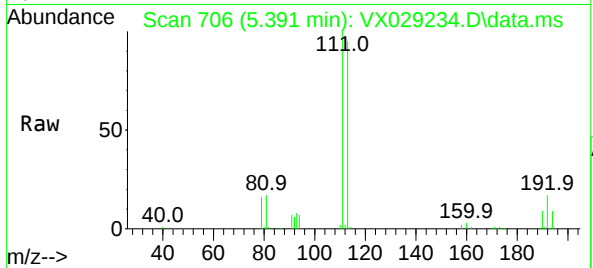




#35
Dibromofluoromethane
Concen: 50.048 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

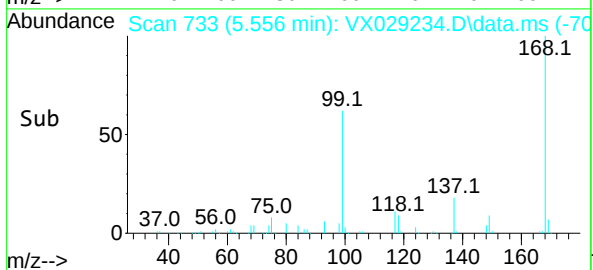
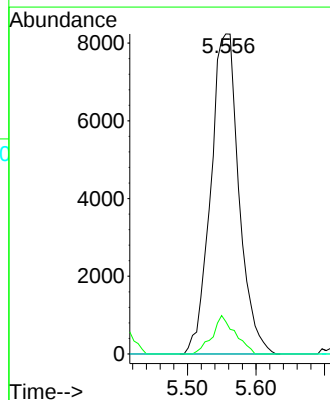
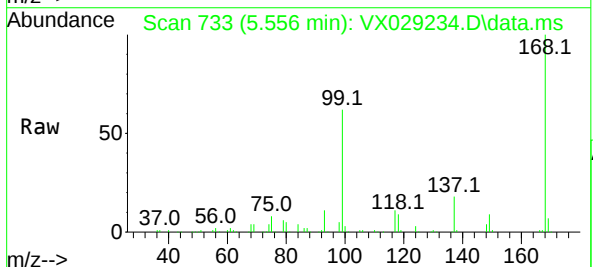
Instrument :
MSVOA_X
ClientSampleId :
EFF0622

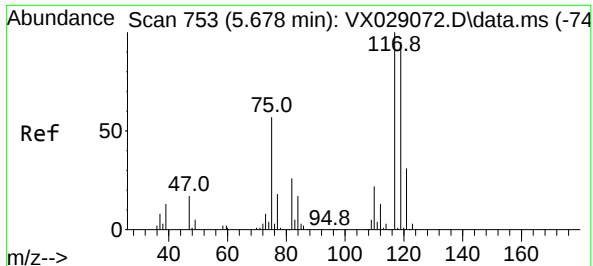
Tgt Ion:113 Resp: 192425
Ion Ratio Lower Upper
113 100
111 104.4 82.8 124.2
192 18.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.762 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

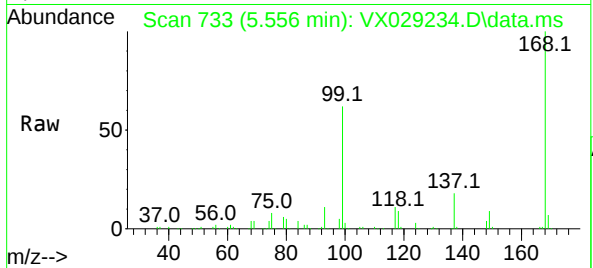
Tgt Ion: 75 Resp: 23560
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 24.8 37.2#



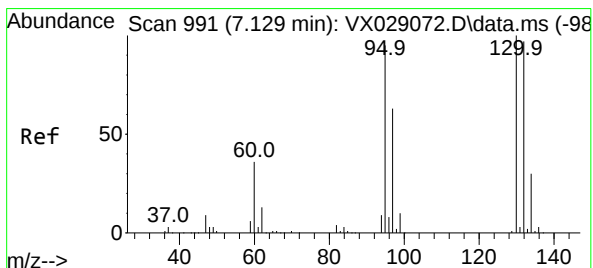
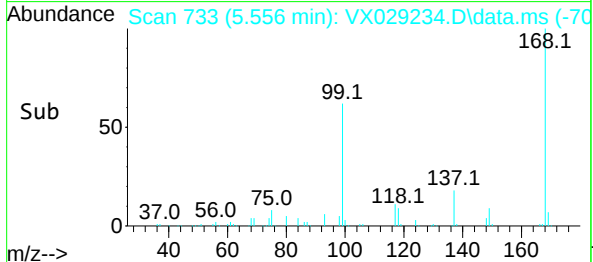
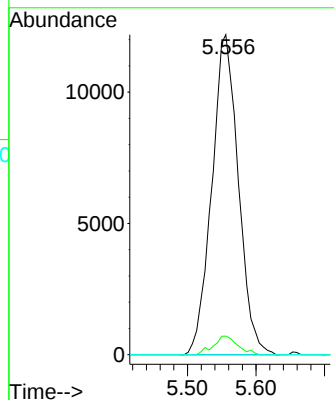


#38
Carbon Tetrachloride
Concen: 5.794 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

Instrument :
MSVOA_X
ClientSampleId :
EFF0622

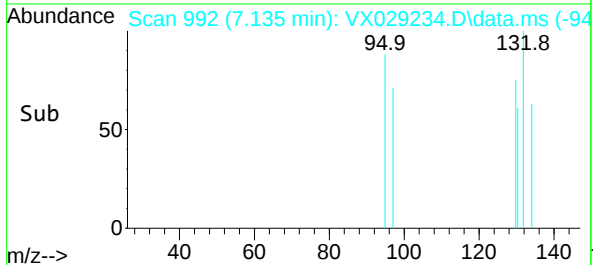
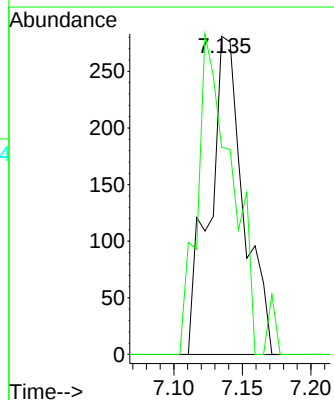
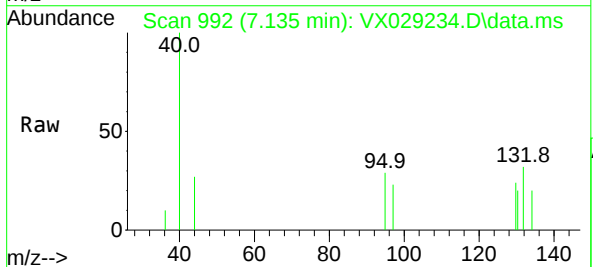


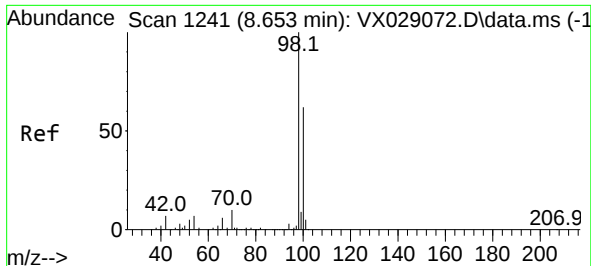
Tgt Ion:117 Resp: 32758
Ion Ratio Lower Upper
117 100
119 5.8 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: Below Cal
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

Tgt Ion:130 Resp: 485
Ion Ratio Lower Upper
130 100
95 65.1 0.0 188.8

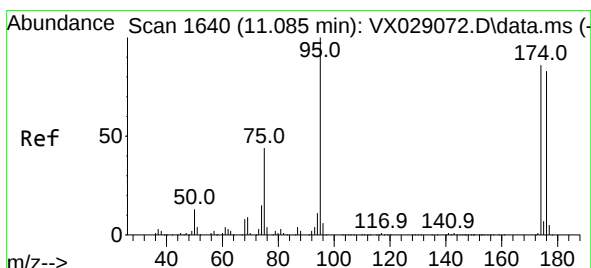
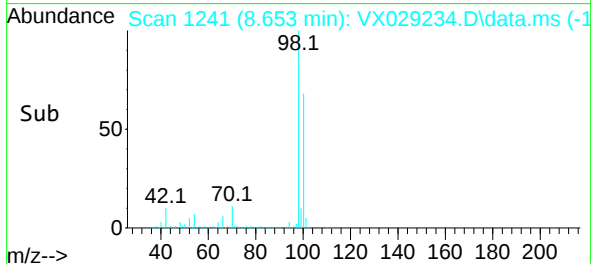
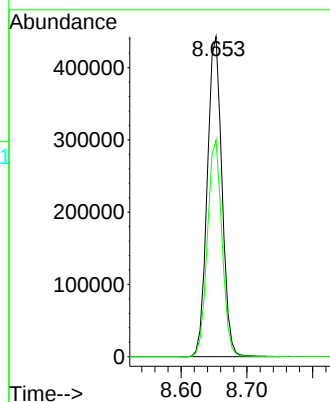
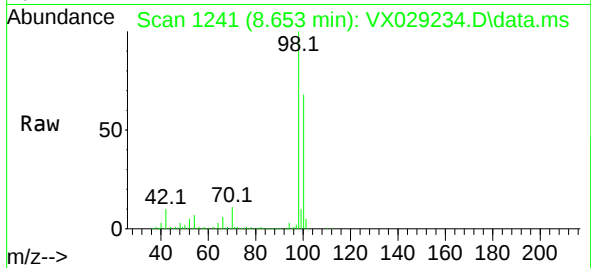




#50
Toluene-d8
Concen: 48.878 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

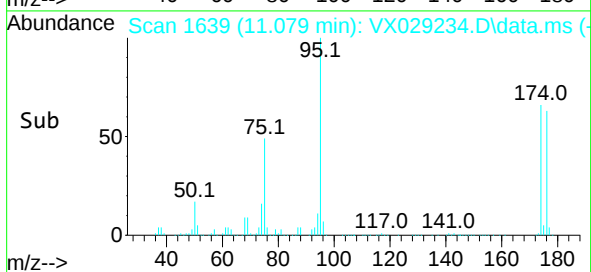
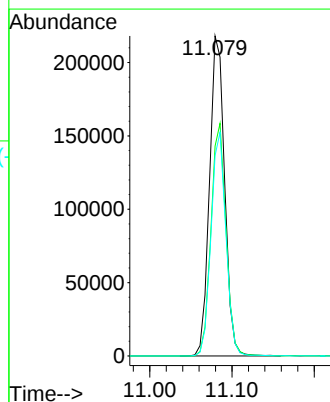
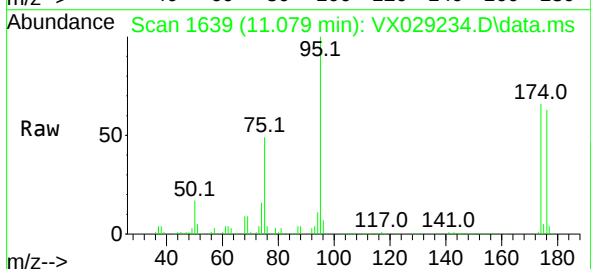
Instrument :
MSVOA_X
ClientSampleId :
EFF0622

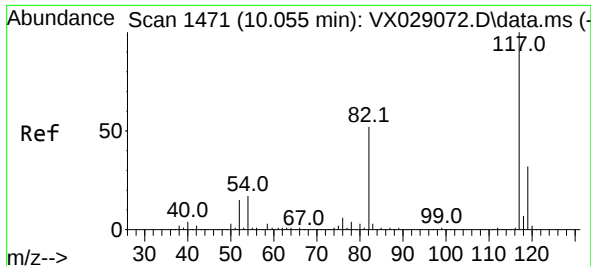
Tgt Ion: 98 Resp: 687331
Ion Ratio Lower Upper
98 100
100 67.3 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 51.183 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

Tgt Ion: 95 Resp: 278222
Ion Ratio Lower Upper
95 100
174 72.2 0.0 163.0
176 68.9 0.0 155.0

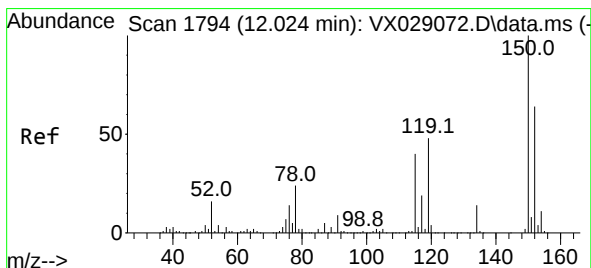
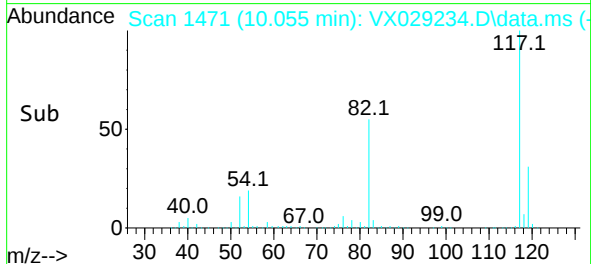
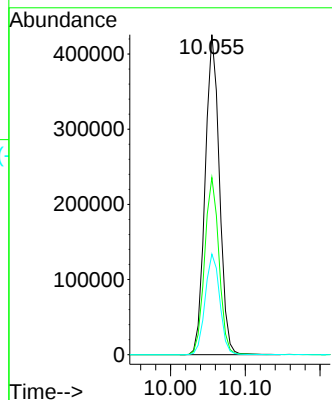
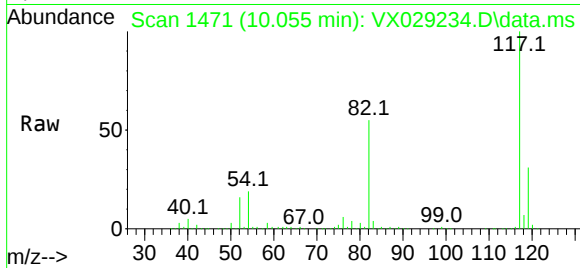




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

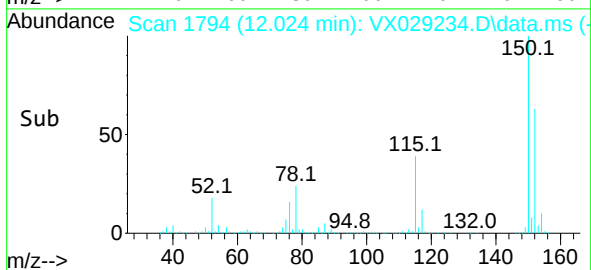
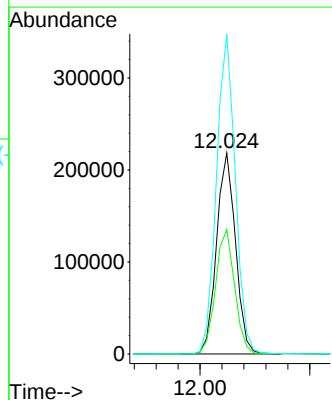
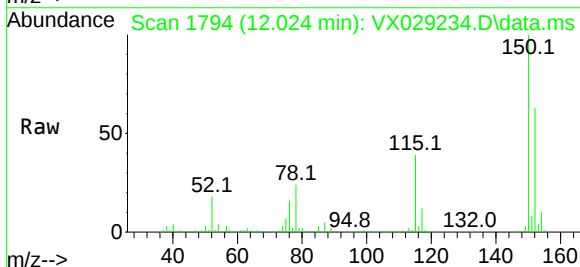
Instrument :
MSVOA_X
ClientSampleId :
EFF0622

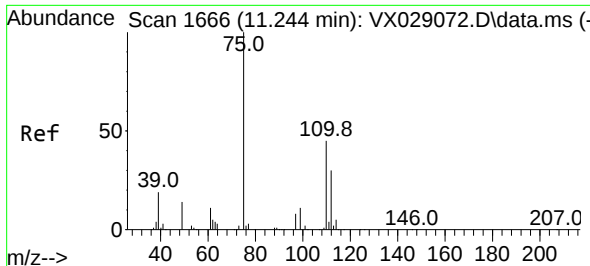
Tgt Ion:117 Resp: 564985
Ion Ratio Lower Upper
117 100
82 55.3 41.8 62.8
119 31.5 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

Tgt Ion:152 Resp: 262499
Ion Ratio Lower Upper
152 100
115 62.6 37.5 112.7
150 158.7 0.0 338.2

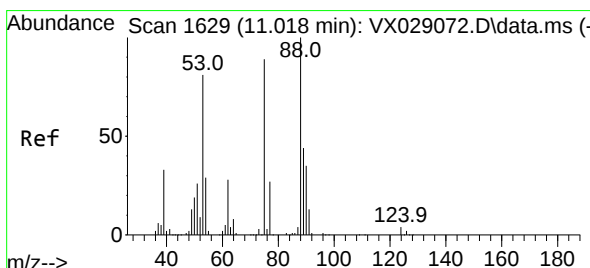
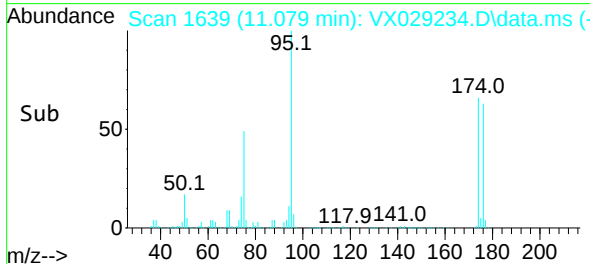
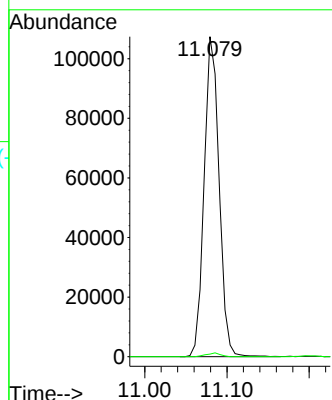
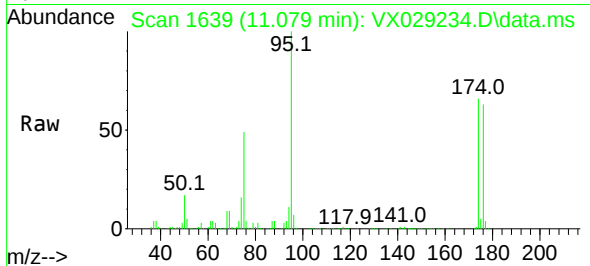




#76
1,2,3-Trichloropropane
Concen: 25.488 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

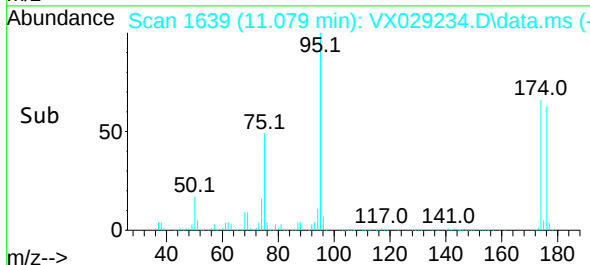
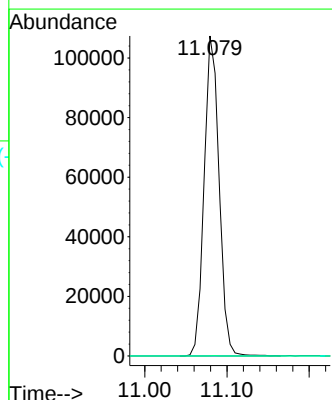
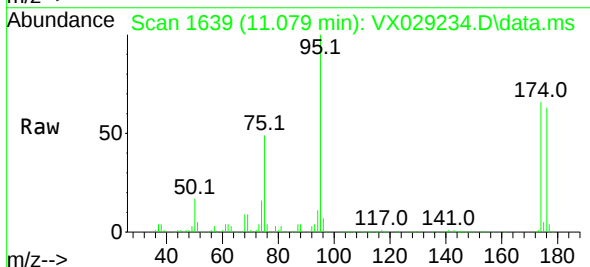
Instrument :
MSVOA_X
ClientSampleId :
EFF0622

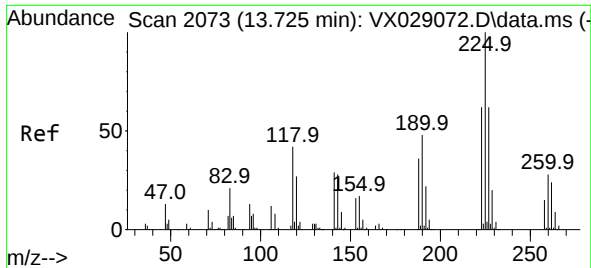
Tgt Ion: 75 Resp: 135627
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.776 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029234.D
Acq: 06 Jun 2022 13:14

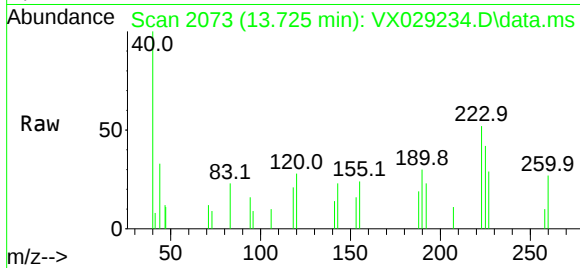
Tgt Ion: 75 Resp: 135627
Ion Ratio Lower Upper
75 100
53 0.1 69.0 103.4#
89 0.0 37.0 55.6#





#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 13.725 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX029234.D
 Acq: 06 Jun 2022 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF0622



Tgt Ion:	225	Resp:	543
Ion	Ratio	Lower	Upper
225	100		
223	75.7	34.2	102.5
227	68.1	33.9	101.7

