

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070721\
 Data File : VX023177.D
 Acq On : 07 Jul 2021 17:02
 Operator : JC/MD
 Sample : M2953-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 08 03:21:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	212718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	349166	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	297190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106659	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	147328	51.533	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.060%
35) Dibromofluoromethane	5.397	113	110851	49.163	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.320%
50) Toluene-d8	8.653	98	412497	49.044	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.080%
62) 4-Bromofluorobenzene	11.085	95	135909	41.856	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.720%

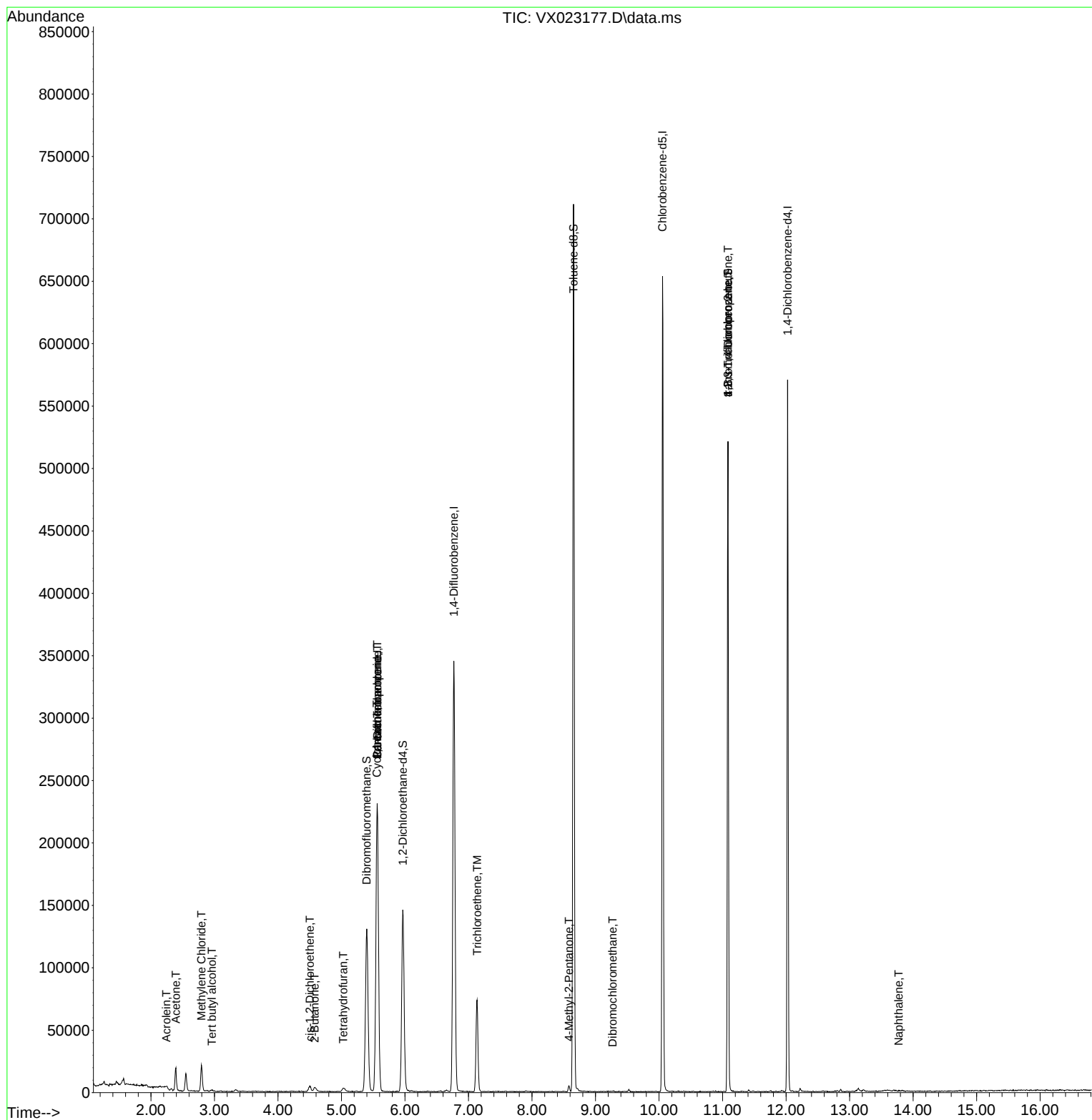
Target Compounds					Qvalue
5) Bromomethane	1.569	94	219	Below Cal	# 2
11) Tert butyl alcohol	2.959	59	784	1.304	ug/l # 73
13) Acrolein	2.239	56	283	0.707	ug/l # 17
16) Acetone	2.392	43	18391	16.260	ug/l 89
20) Methylene Chloride	2.794	84	9313	3.824	ug/l 92
25) 2-Butanone	4.574	43	5126	3.005	ug/l 89
27) cis-1,2-Dichloroethene	4.501	96	2747	1.107	ug/l 91
29) Tetrahydrofuran	5.025	42	2687	2.451	ug/l 88
31) Cyclohexane	5.556	56	4636	1.354	ug/l # 7
36) 1,1-Dichloropropene	5.562	75	16336	5.248	ug/l # 50
38) Carbon Tetrachloride	5.562	117	22561	6.944	ug/l # 16
44) Trichloroethene	7.135	130	28264	11.025	ug/l 98
51) 4-Methyl-2-Pentanone	8.580	43	3010	0.860	ug/l # 82
60) Dibromochloromethane	9.269	129	19	3.119	ug/l # 11
76) 1,2,3-Trichloropropane	11.085	75	70145	32.681	ug/l # 39
81) trans-1,4-Dichloro-2-b...	11.085	75	70145	87.323	ug/l # 12
95) Naphthalene	13.774	128	303	1.313	ug/l # 69

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

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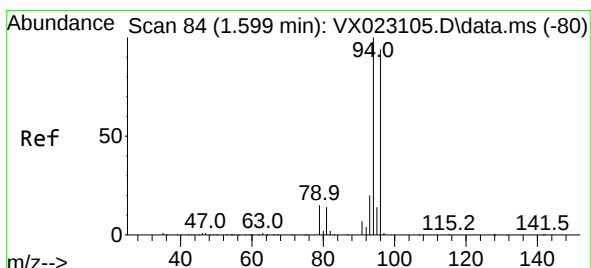
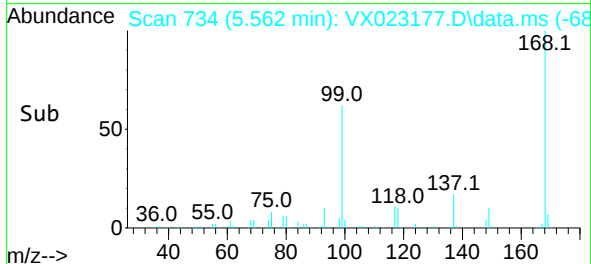
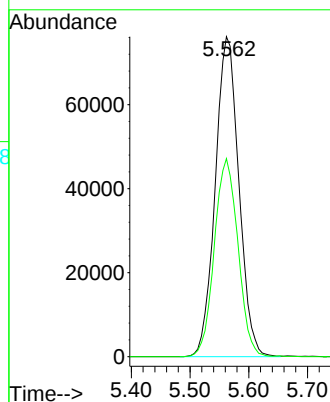
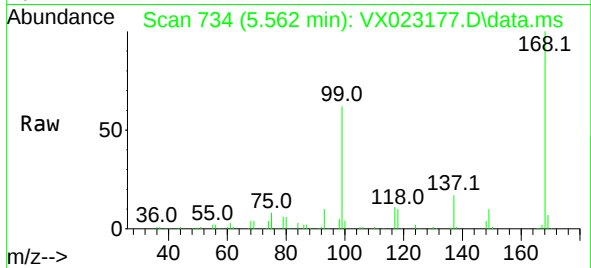




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

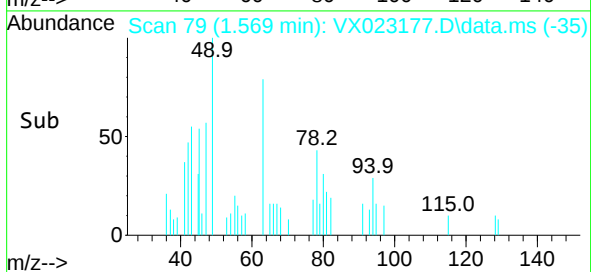
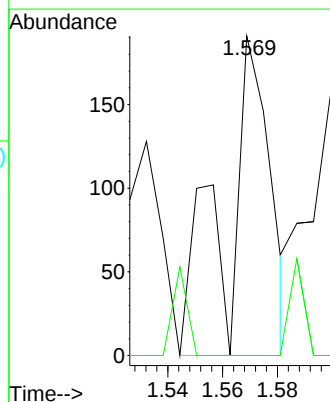
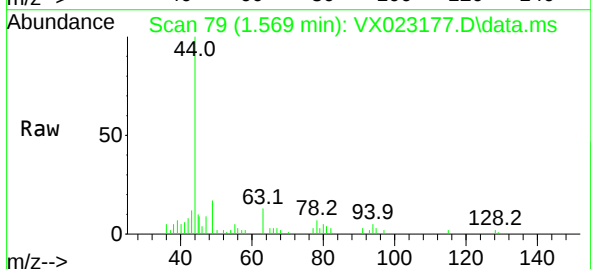
Instrument :
MSVOA_X
ClientSampled :

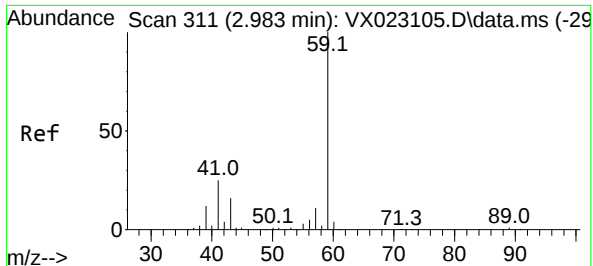
Tgt Ion:168 Resp: 212718
Ion Ratio Lower Upper
168 100
99 61.9 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.569 min Scan# 79
Delta R.T. -0.030 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

Tgt Ion: 94 Resp: 219
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



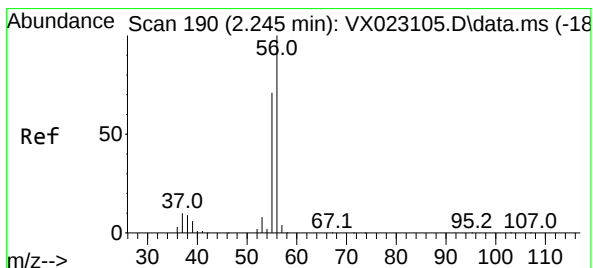
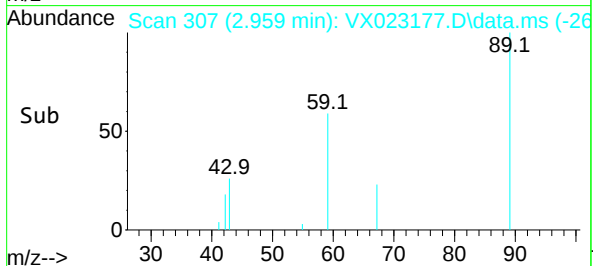
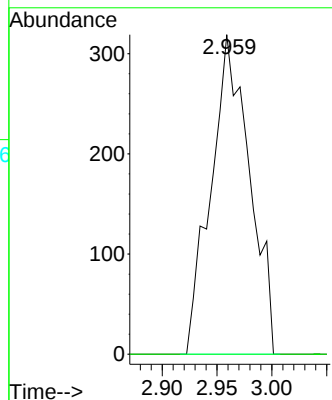
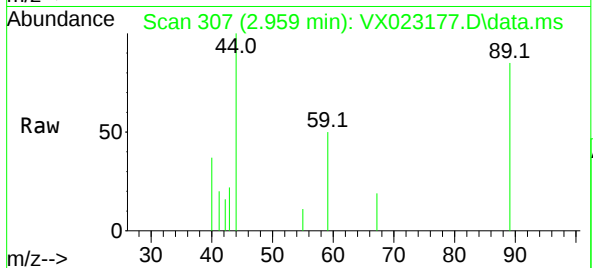


#11

Tert butyl alcohol
Concen: 1.304 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

Instrument :
MSVOA_X
ClientSampled :

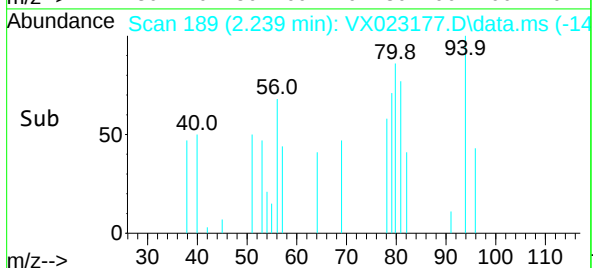
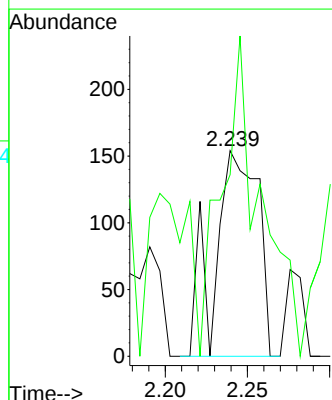
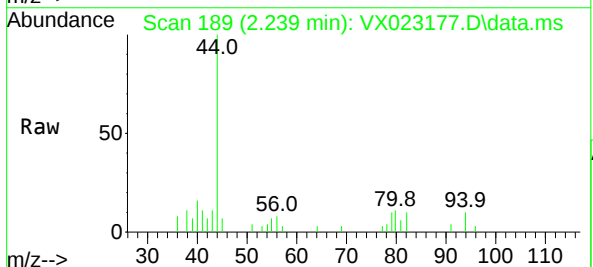
Tgt Ion: 59 Resp: 784
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

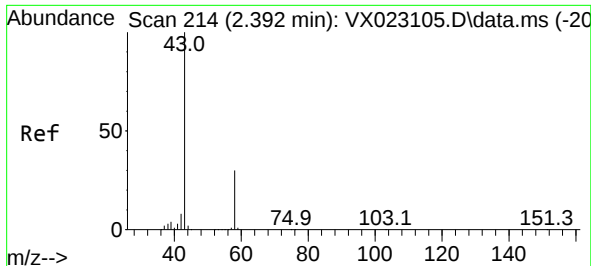


#13

Acrolein
Concen: 0.707 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

Tgt Ion: 56 Resp: 283
Ion Ratio Lower Upper
56 100
55 138.9 56.4 84.6#

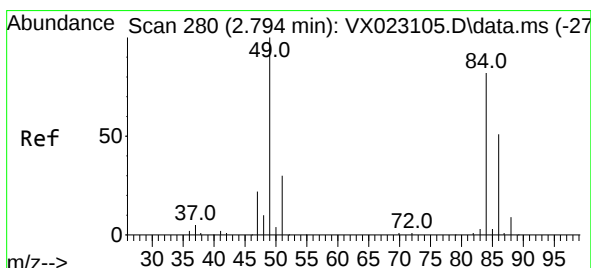
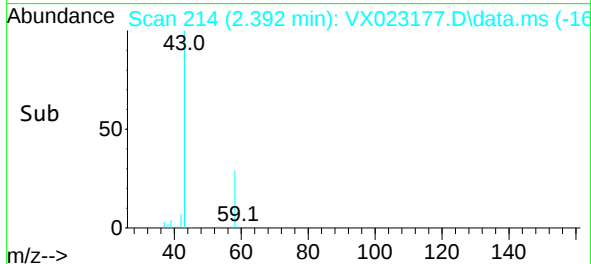
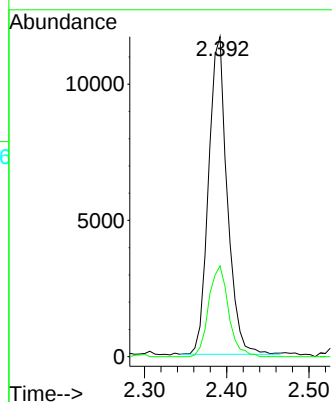
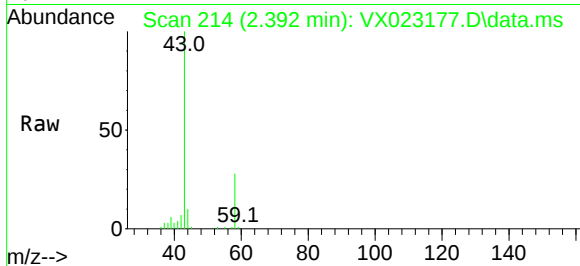




#16
Acetone
Concen: 16.260 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

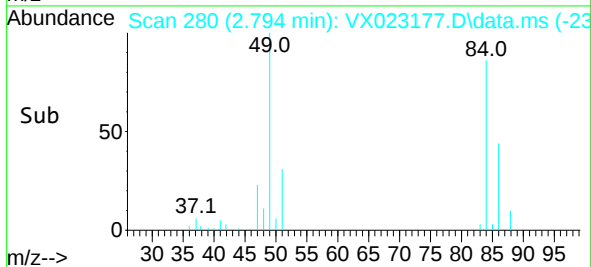
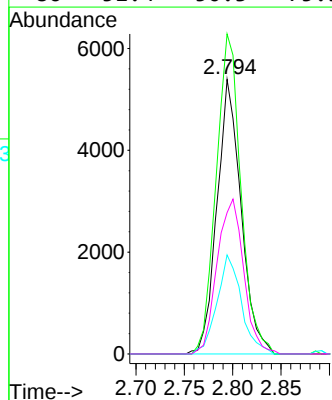
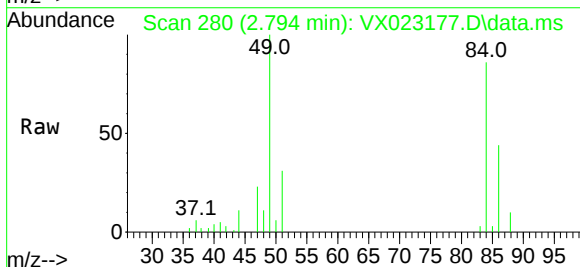
Instrument :
MSVOA_X
ClientSampled :

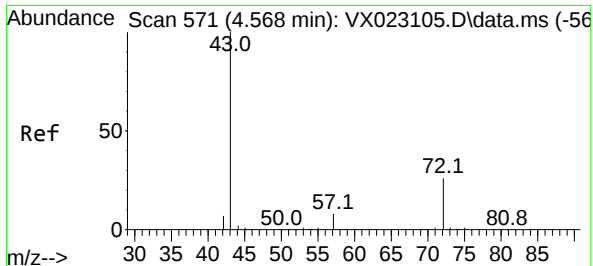
Tgt Ion: 43 Resp: 18391
Ion Ratio Lower Upper
43 100
58 28.6 27.8 41.8



#20
Methylene Chloride
Concen: 3.824 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

Tgt Ion: 84 Resp: 9313
Ion Ratio Lower Upper
84 100
49 116.5 88.6 132.8
51 36.1 27.0 40.6
86 51.4 50.3 75.5

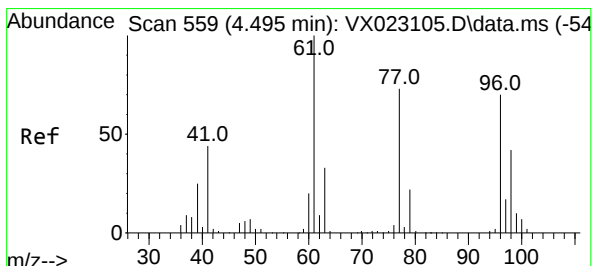
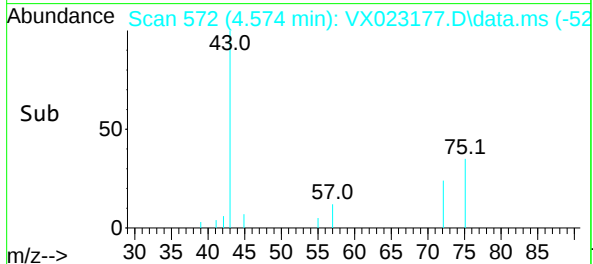
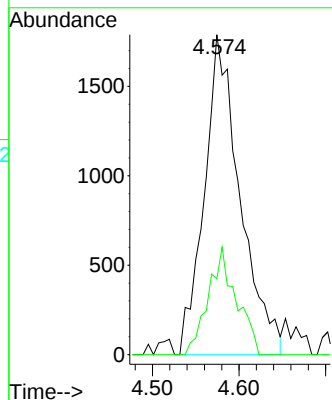
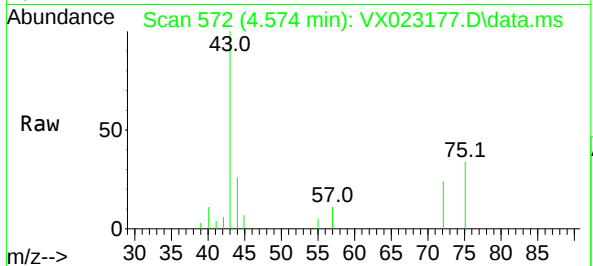




#25
2-Butanone
Concen: 3.005 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

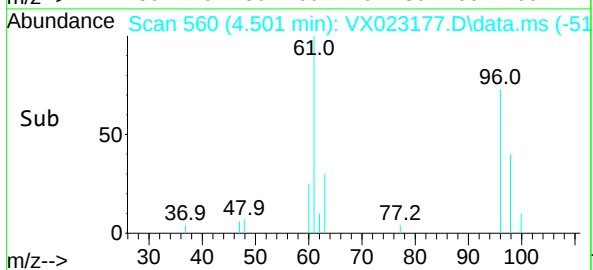
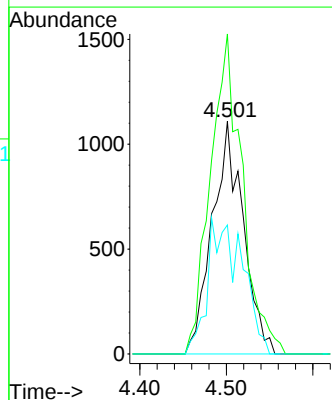
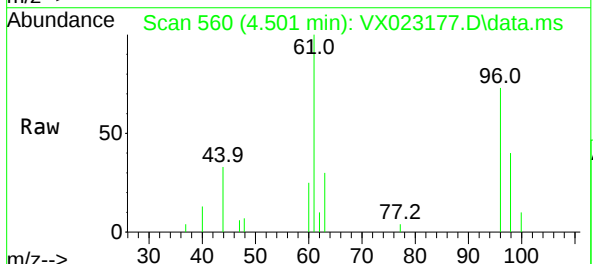
Instrument :
MSVOA_X
ClientSampled :

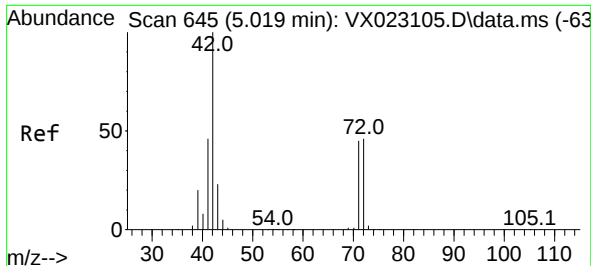
Tgt Ion: 43 Resp: 5126
Ion Ratio Lower Upper
43 100
72 23.7 23.7 35.5



#27
cis-1,2-Dichloroethene
Concen: 1.107 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

Tgt Ion: 96 Resp: 2747
Ion Ratio Lower Upper
96 100
61 141.8 0.0 285.6
98 42.4 0.0 129.6





#29

Tetrahydrofuran

Concen: 2.451 ug/l

RT: 5.025 min Scan# 646

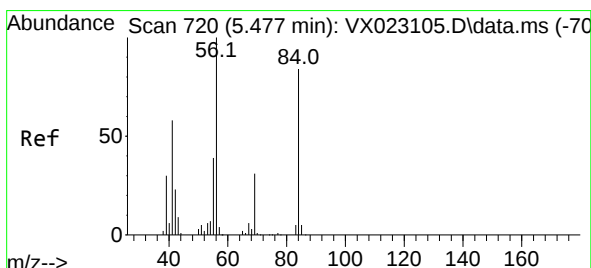
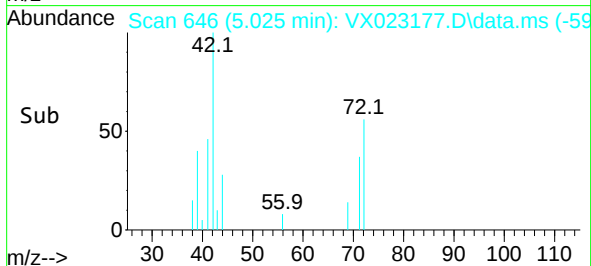
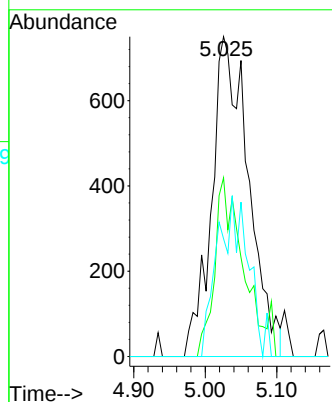
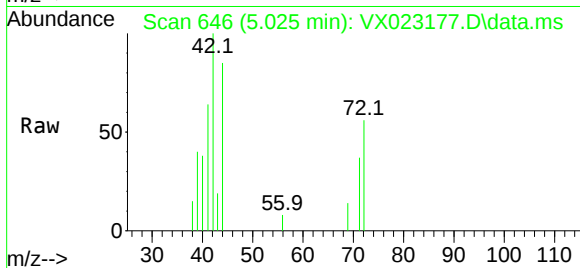
Delta R.T. 0.006 min

Lab File: VX023177.D

Acq: 07 Jul 2021 17:02

Tgt Ion:	42	Resp:	2687
Ion	Ratio	Lower	Upper
42	100		
72	42.4	41.7	62.5
71	40.9	38.4	57.6

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.354 ug/l

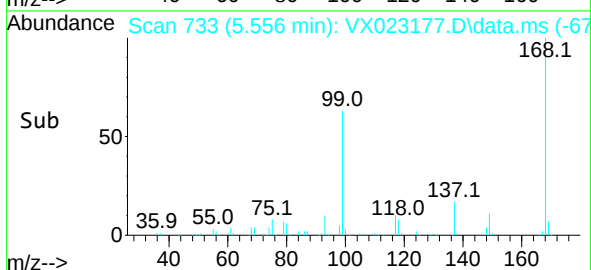
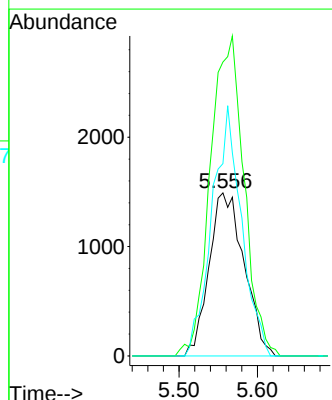
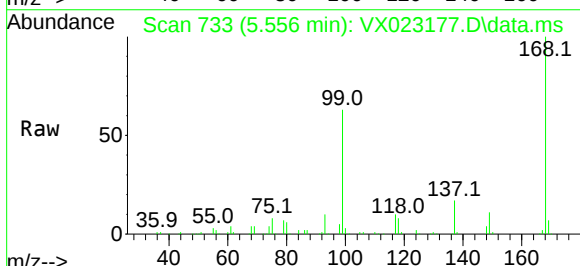
RT: 5.556 min Scan# 733

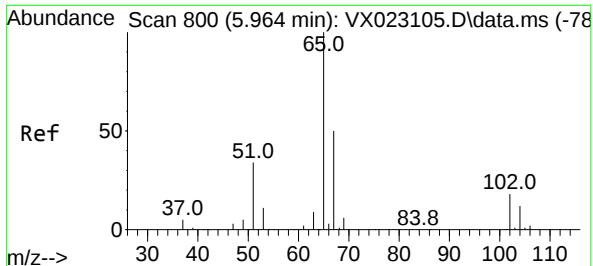
Delta R.T. 0.079 min

Lab File: VX023177.D

Acq: 07 Jul 2021 17:02

Tgt Ion:	56	Resp:	4636
Ion	Ratio	Lower	Upper
56	100		
69	180.3	25.3	37.9#
84	117.9	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.533 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023177.D

Acq: 07 Jul 2021 17:02

Tgt Ion: 65 Resp: 147328

Ion Ratio Lower Upper

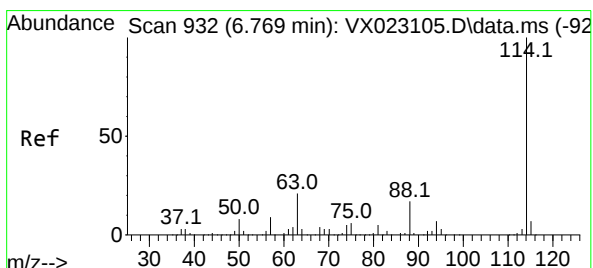
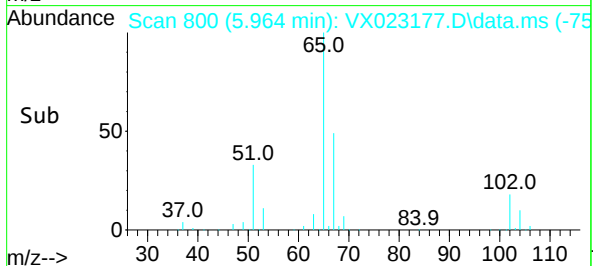
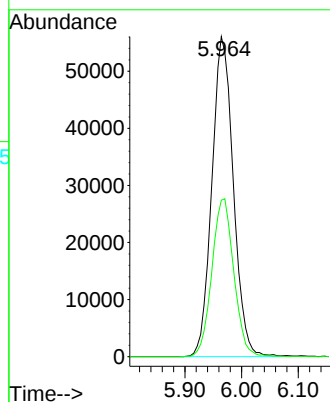
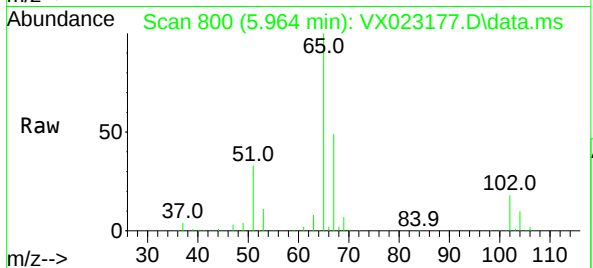
65 100

67 50.5 0.0 105.4

Instrument :

MSVOA_X

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX023177.D

Acq: 07 Jul 2021 17:02

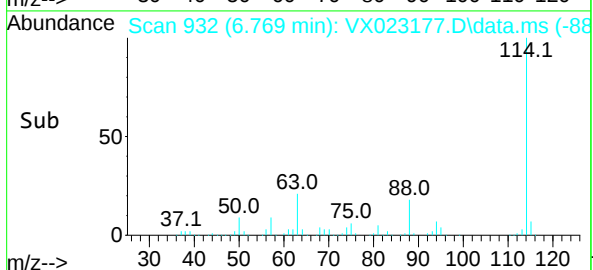
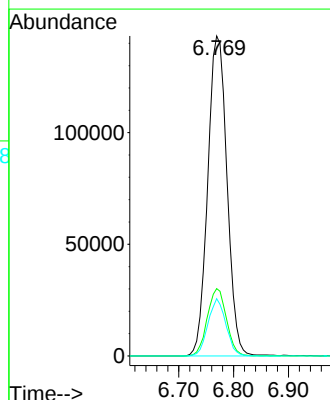
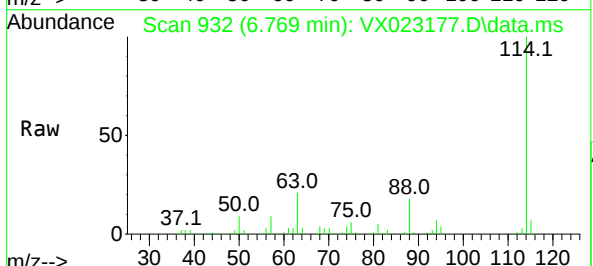
Tgt Ion: 114 Resp: 349166

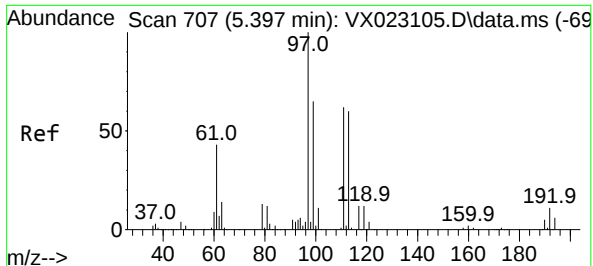
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 17.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.163 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023177.D

Acq: 07 Jul 2021 17:02

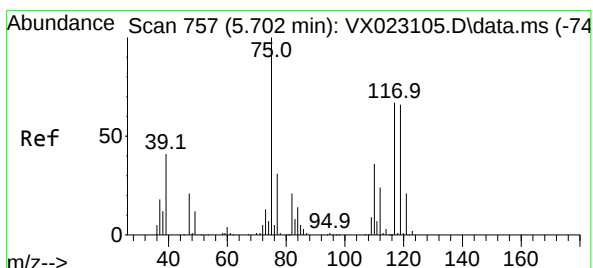
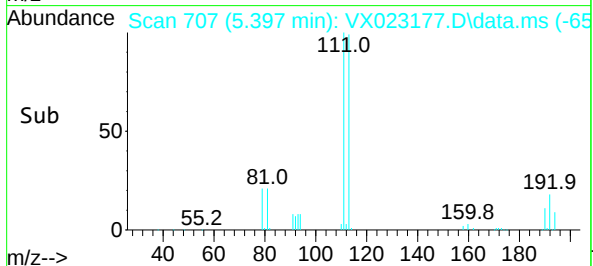
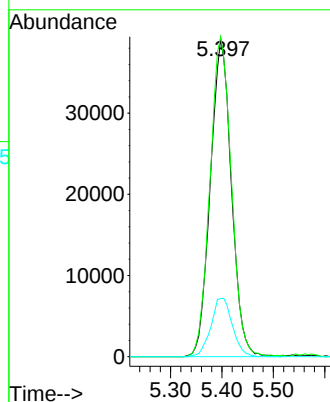
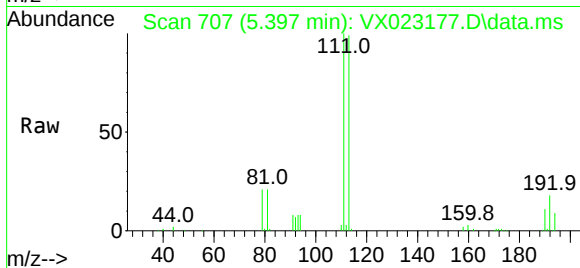
Tgt Ion:113 Resp: 110851

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

192 18.8 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.248 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023177.D

Acq: 07 Jul 2021 17:02

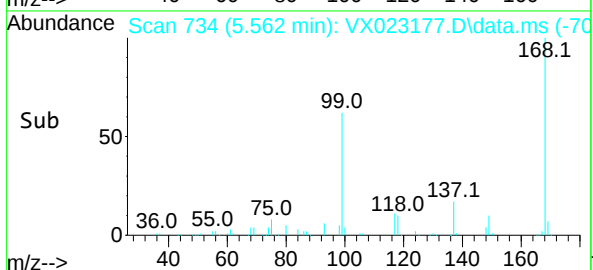
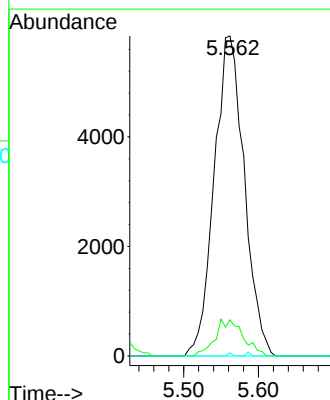
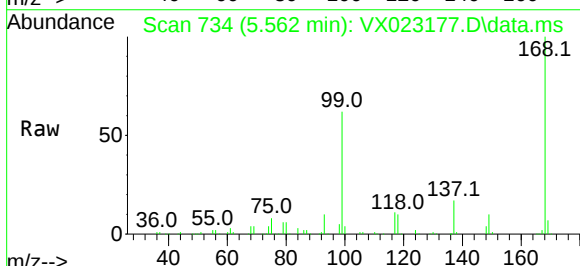
Tgt Ion: 75 Resp: 16336

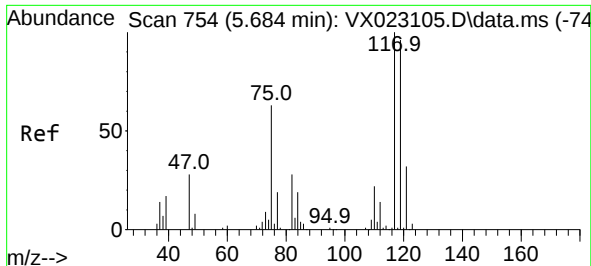
Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.4#

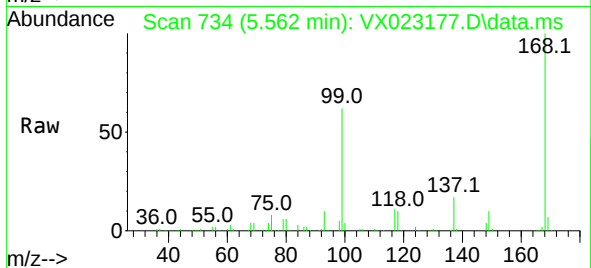
77 0.1 25.3 37.9#



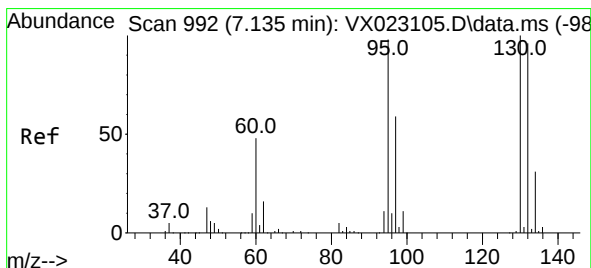
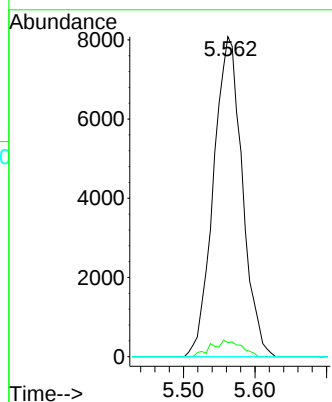
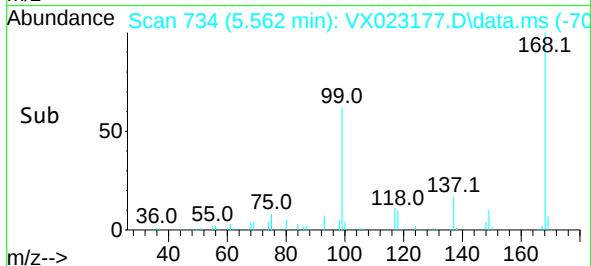


#38
Carbon Tetrachloride
Concen: 6.944 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

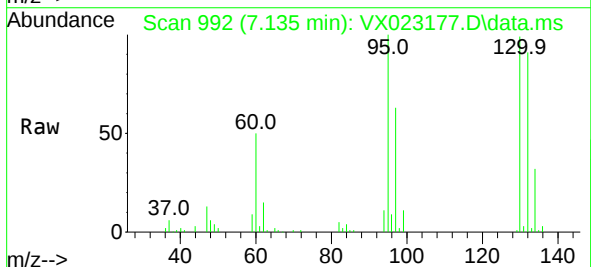
Instrument :
MSVOA_X
ClientSampled :



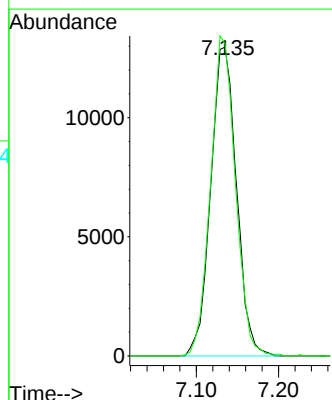
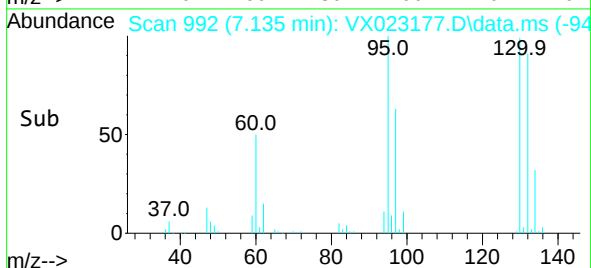
Tgt Ion:117 Resp: 22561
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.8 37.2#

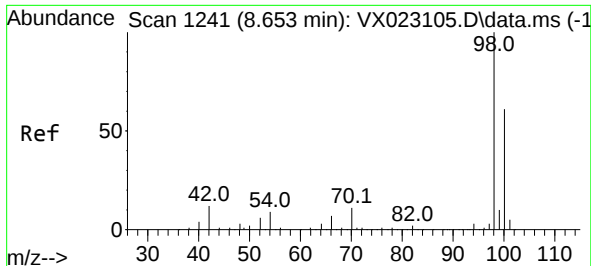


#44
Trichloroethene
Concen: 11.025 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02



Tgt Ion:130 Resp: 28264
Ion Ratio Lower Upper
130 100
95 101.3 0.0 198.0

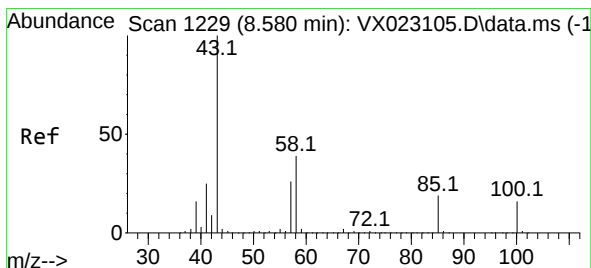
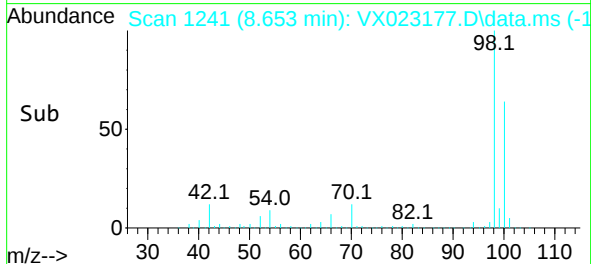
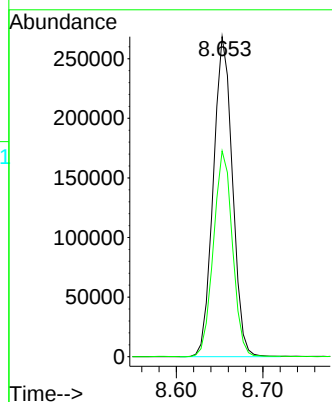
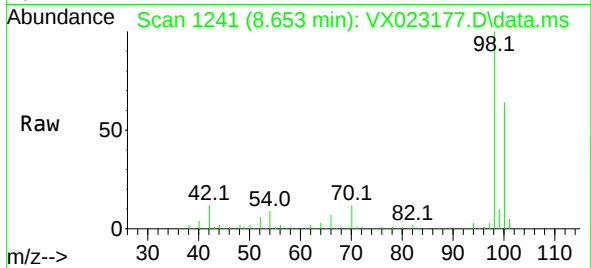




#50
Toluene-d8
Concen: 49.044 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

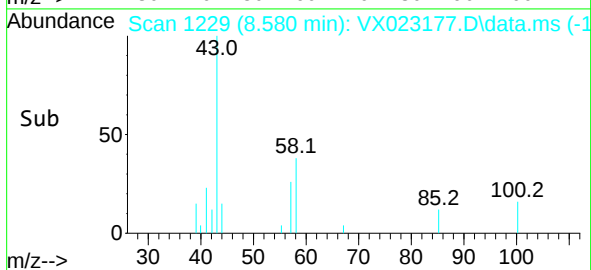
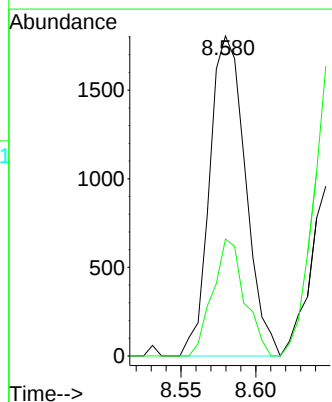
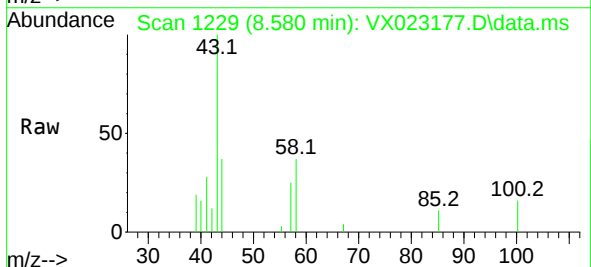
Instrument :
MSVOA_X
ClientSampled :

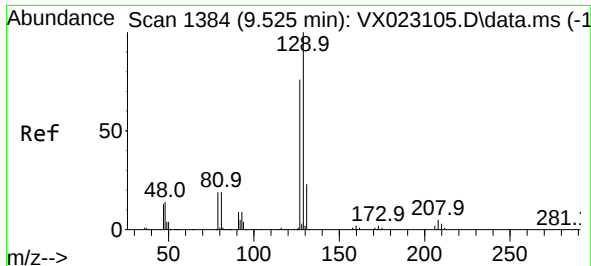
Tgt Ion: 98 Resp: 412497
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.860 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

Tgt Ion: 43 Resp: 3010
Ion Ratio Lower Upper
43 100
58 32.5 35.4 53.0#

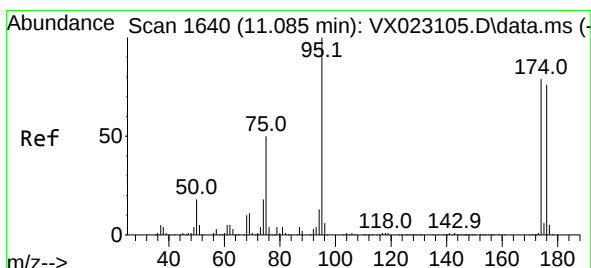
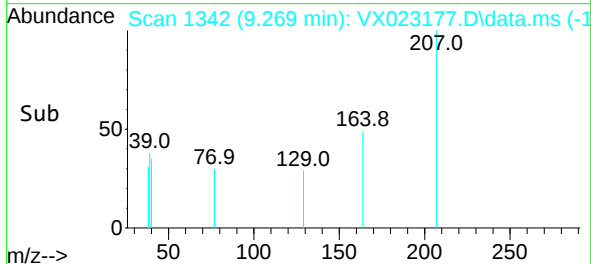
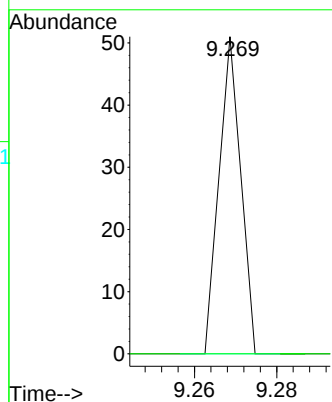
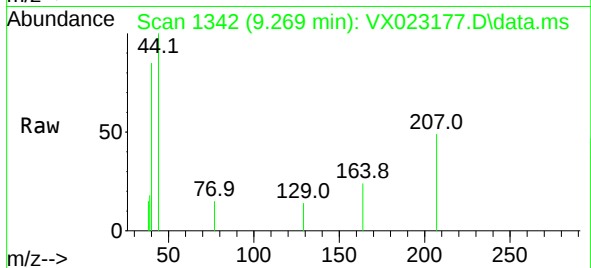




#60
Dibromochloromethane
Concen: 3.119 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.256 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

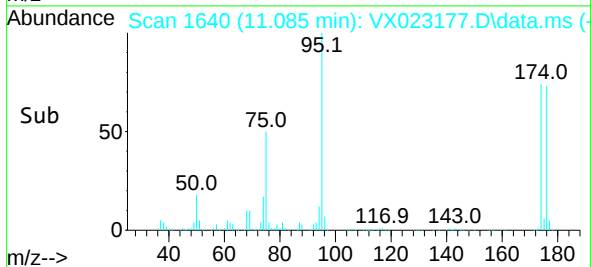
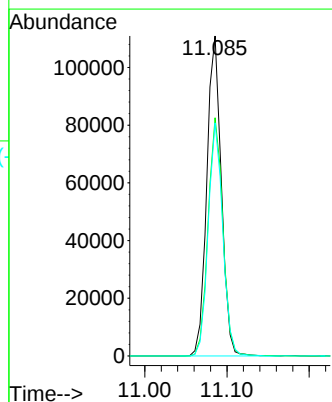
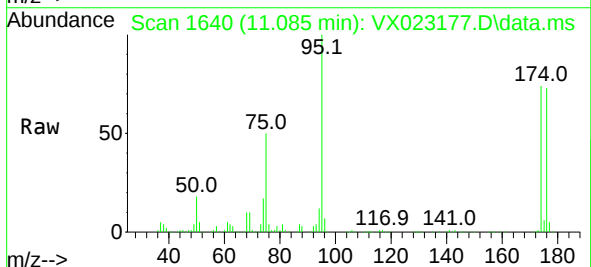
Instrument :
MSVOA_X
ClientSampled :

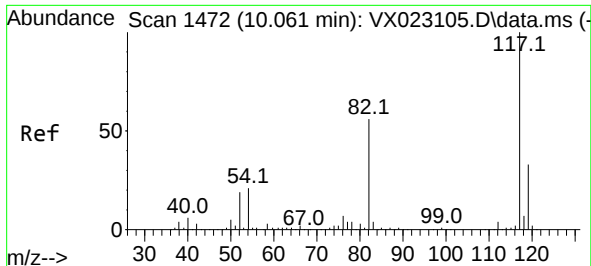
Tgt Ion:129 Resp: 19
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 41.856 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

Tgt Ion: 95 Resp: 135909
Ion Ratio Lower Upper
95 100
174 76.0 0.0 154.6
176 72.7 0.0 155.8

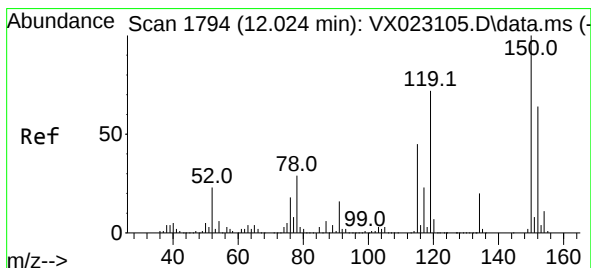
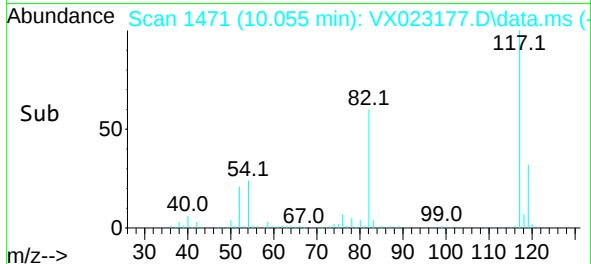
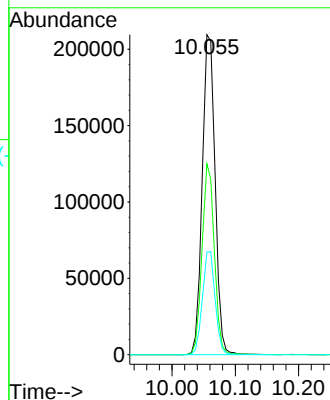
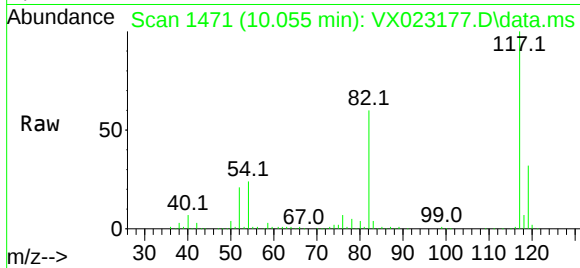




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

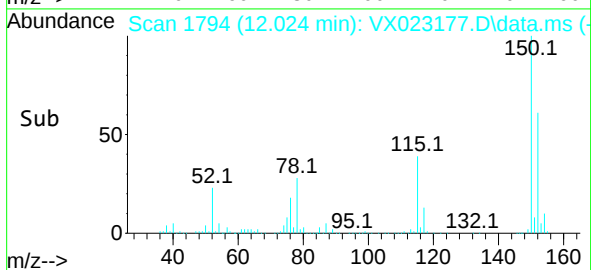
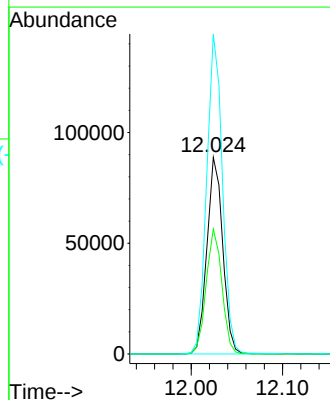
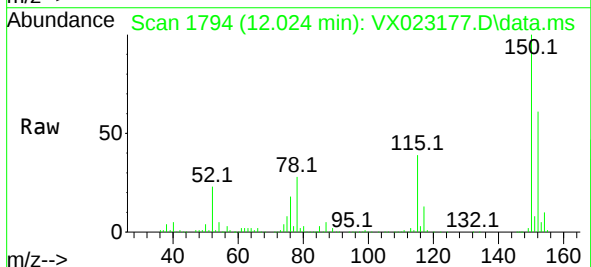
Instrument :
MSVOA_X
ClientSampled :

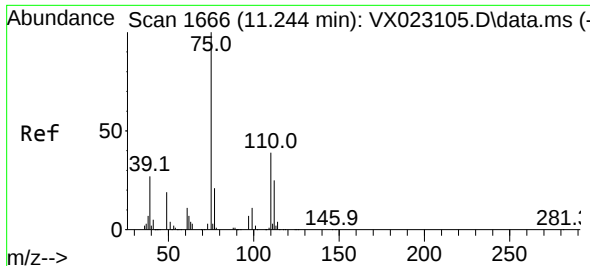
Tgt Ion:117 Resp: 297190
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

Tgt Ion:152 Resp: 106659
Ion Ratio Lower Upper
152 100
115 63.0 41.1 123.3
150 161.2 0.0 349.0

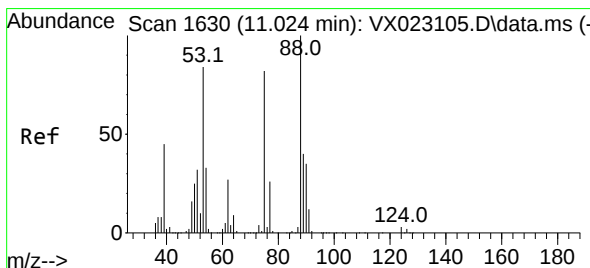
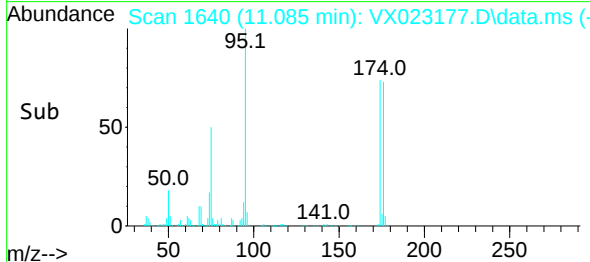
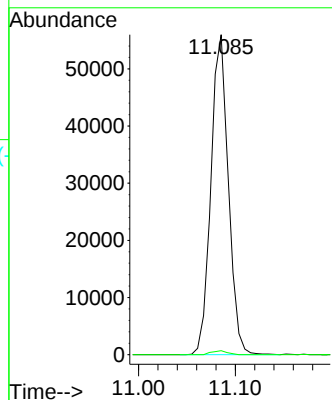
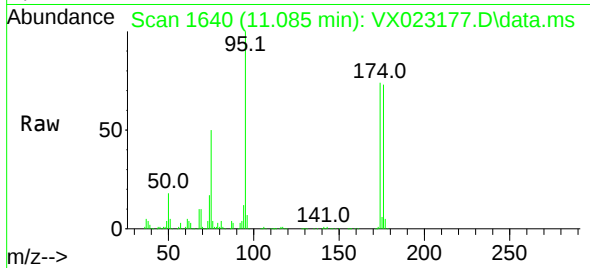




#76
1,2,3-Trichloropropane
Concen: 32.681 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

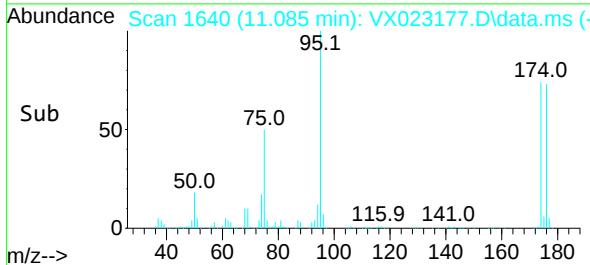
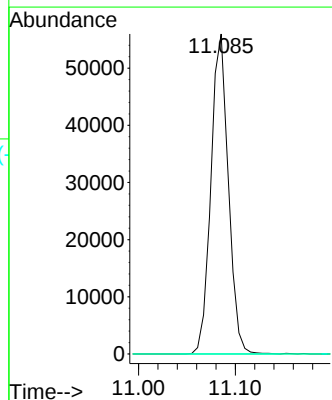
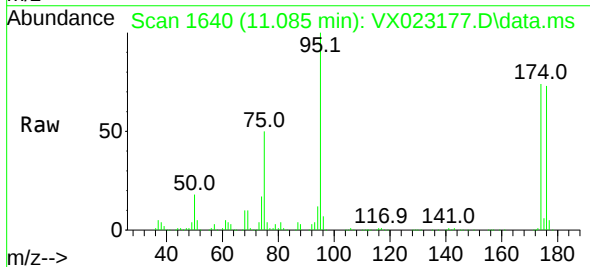
Instrument :
MSVOA_X
ClientSampled :

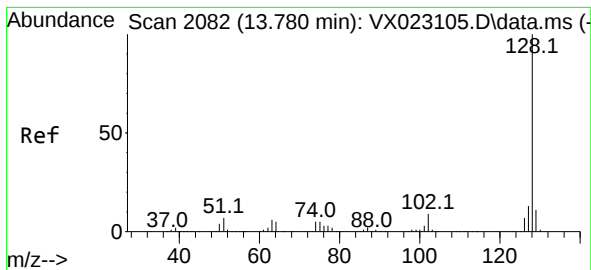
Tgt Ion: 75 Resp: 70145
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.323 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

Tgt Ion: 75 Resp: 70145
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.313 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX023177.D
Acq: 07 Jul 2021 17:02

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 303
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

