

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053122\
 Data File : VX029080.D
 Acq On : 31 May 2022 17:33
 Operator : JC/MD
 Sample : VX0531WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBL01

Quant Time: Jun 01 04:58:12 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)

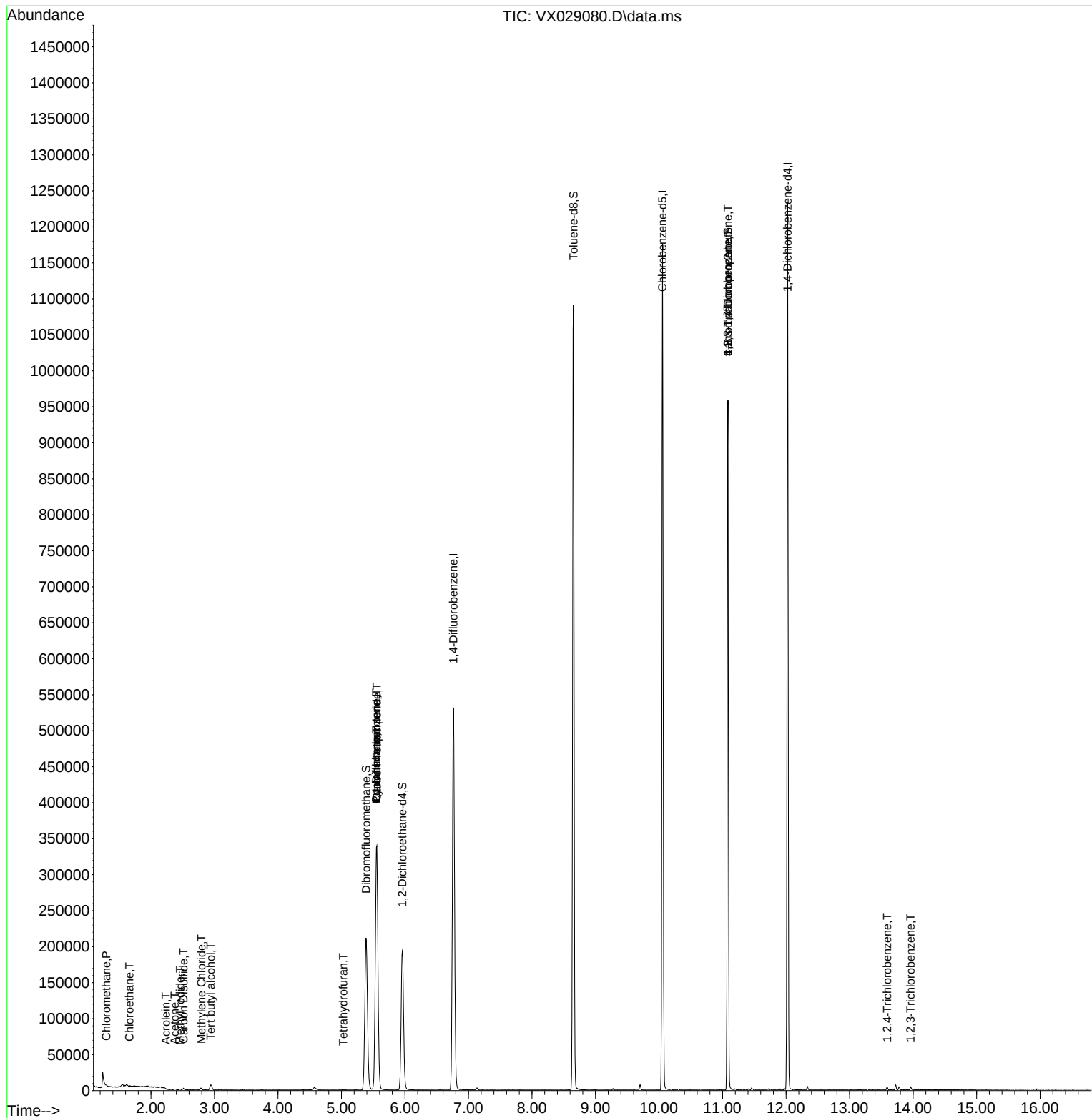
Internal Standards						
1) Pentafluorobenzene	5.550	168	347547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	581694	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	558929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	262754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	189583	48.374	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.740%
35) Dibromofluoromethane	5.385	113	189163	48.958	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.920%
50) Toluene-d8	8.653	98	672575	47.595	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.180%
62) 4-Bromofluorobenzene	11.085	95	261915	47.948	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.900%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	865	0.274	ug/l	95
5) Bromomethane	1.624	94	1604	Below Cal	#	80
6) Chloroethane	1.660	64	342	1.514	ug/l #	45
10) Methyl Iodide	2.459	142	1057	4.473	ug/l #	92
11) Tert butyl alcohol	2.940	59	4074	4.487	ug/l #	75
13) Acrolein	2.233	56	132	0.321	ug/l #	4
16) Acetone	2.373	43	1192	0.772	ug/l #	85
17) Carbon Disulfide	2.514	76	2232	0.260	ug/l	99
20) Methylene Chloride	2.794	84	1342	0.373	ug/l #	81
29) Tetrahydrofuran	5.025	42	424	0.266	ug/l #	35
31) Cyclohexane	5.550	56	5320	1.044	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	23463	4.719	ug/l #	50
38) Carbon Tetrachloride	5.556	117	33049	5.817	ug/l #	17
44) Trichloroethene	7.135	130	1355	Below Cal		95
76) 1,2,3-Trichloropropane	11.085	75	121095	22.735	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	121095	66.699	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.591	180	1397	0.256	ug/l	89
94) Hexachlorobutadiene	13.725	225	1297	Below Cal		86
96) 1,2,3-Trichlorobenzene	13.963	180	1337	0.248	ug/l	90

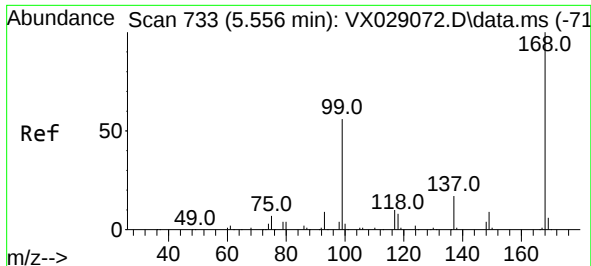
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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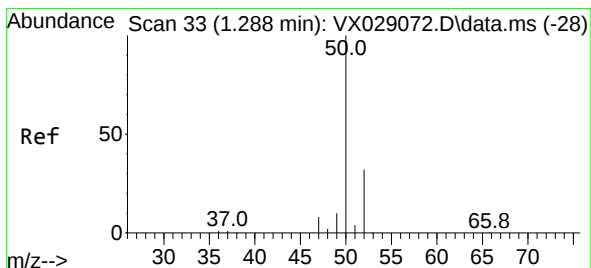
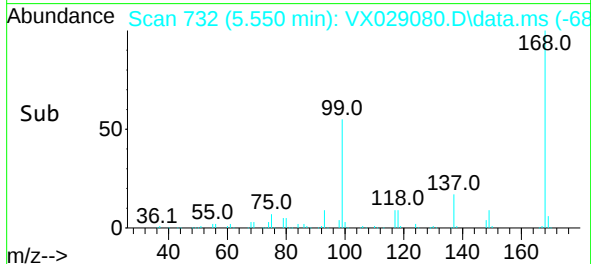
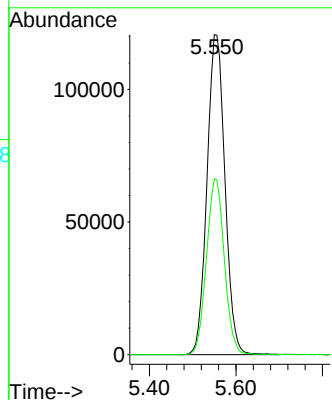
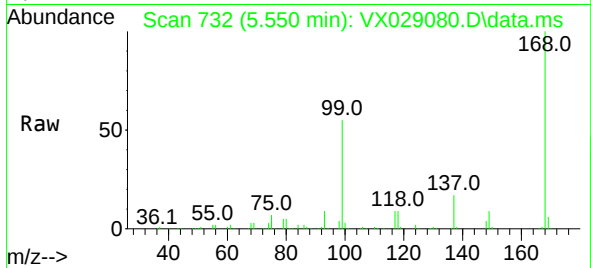




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX029080.D
Acq: 31 May 2022 17:33

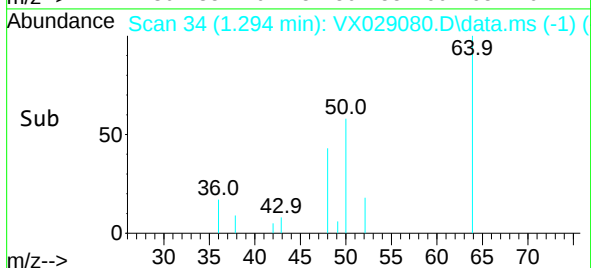
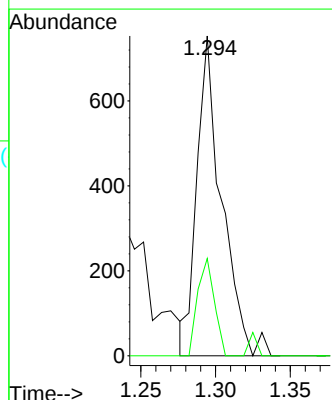
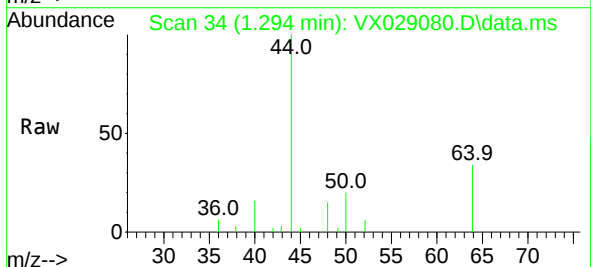
Instrument :
MSVOA_X
ClientSampleId :
VX0531WBL01

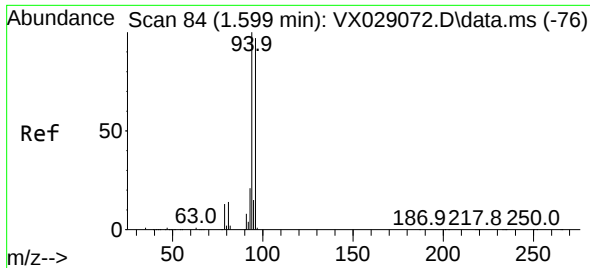
Tgt Ion:168 Resp: 347547
Ion Ratio Lower Upper
168 100
99 55.0 41.7 62.5



#3
Chloromethane
Concen: 0.274 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029080.D
Acq: 31 May 2022 17:33

Tgt Ion: 50 Resp: 865
Ion Ratio Lower Upper
50 100
52 30.4 26.4 39.6

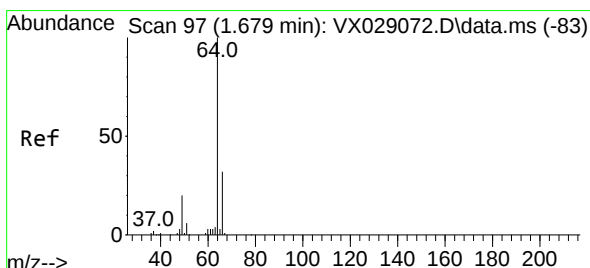
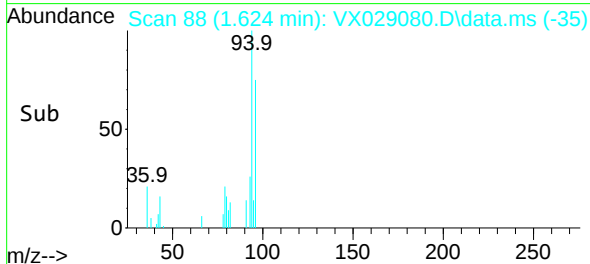
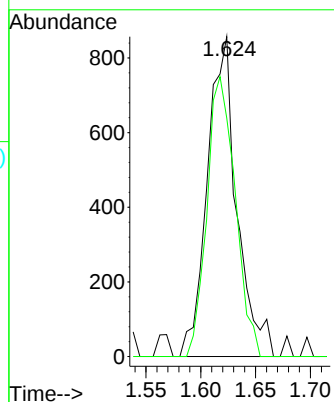
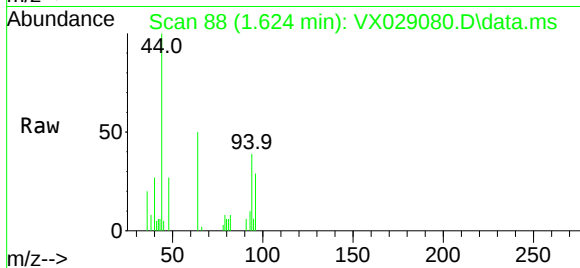




#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 84
Delta R.T. 0.025 min
Lab File: VX029080.D
Acq: 31 May 2022 17:33

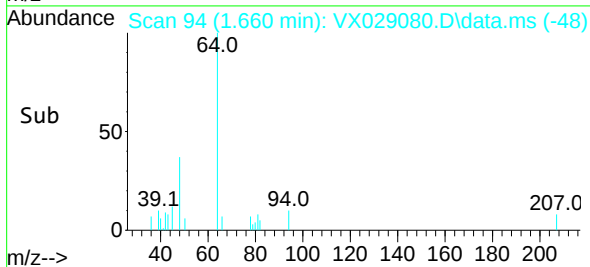
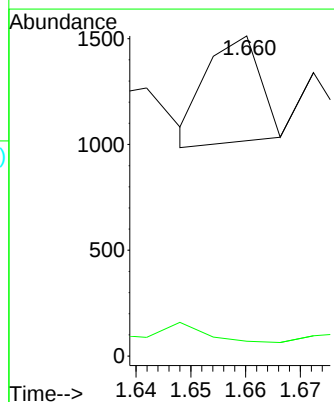
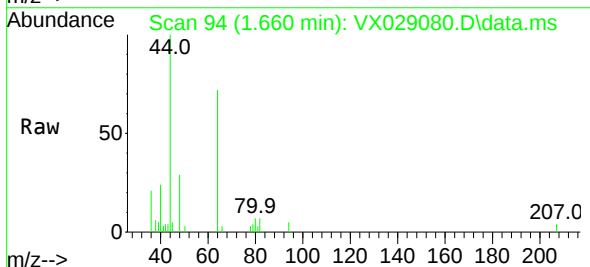
Instrument :
MSVOA_X
ClientSampleId :
VX0531WBL01

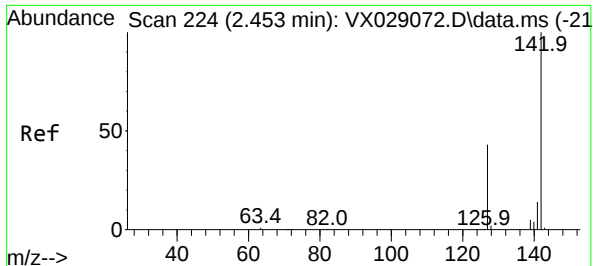
Tgt Ion: 94 Resp: 1604
Ion Ratio Lower Upper
94 100
96 74.6 75.3 112.9#



#6
Chloroethane
Concen: 1.514 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX029080.D
Acq: 31 May 2022 17:33

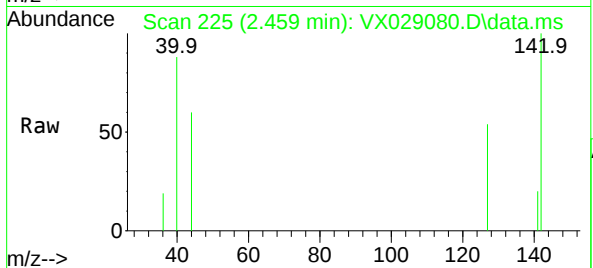
Tgt Ion: 64 Resp: 342
Ion Ratio Lower Upper
64 100
66 1.3 25.3 37.9#



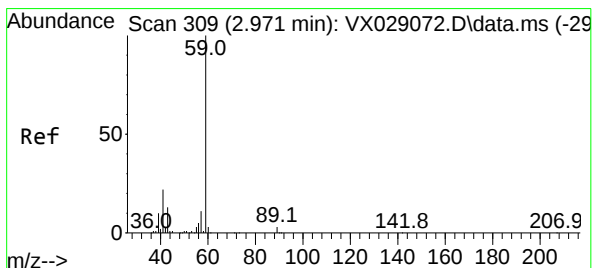
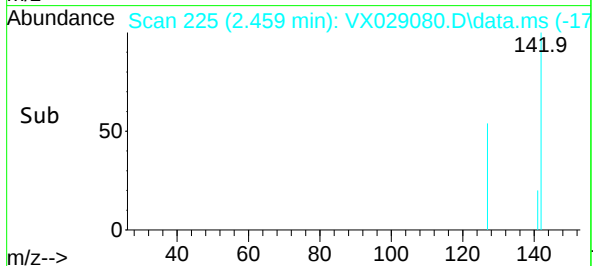
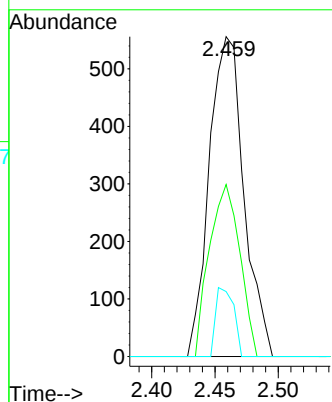


#10
Methyl Iodide
Concen: 4.473 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029080.D
Acq: 31 May 2022 17:33

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBL01

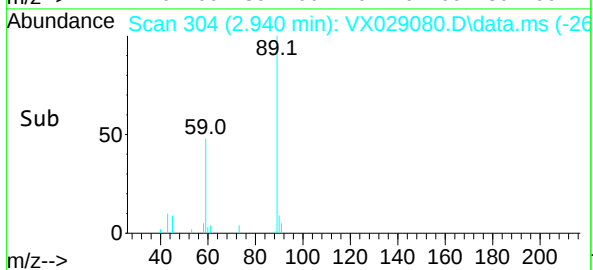
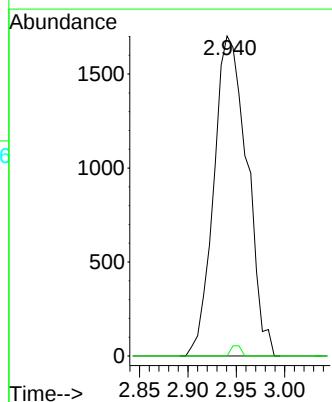
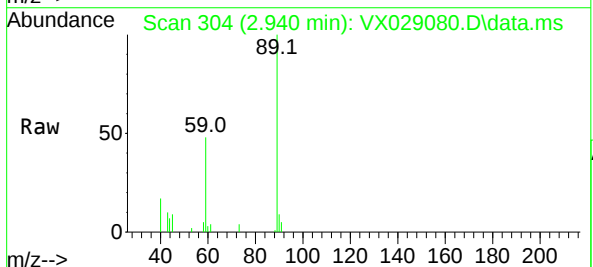


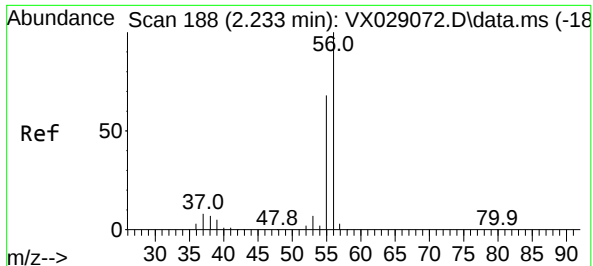
Tgt Ion:142 Resp: 1057
Ion Ratio Lower Upper
142 100
127 47.2 33.9 50.9
141 11.2 11.4 17.2#



#11
Tert butyl alcohol
Concen: 4.487 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.031 min
Lab File: VX029080.D
Acq: 31 May 2022 17:33

Tgt Ion: 59 Resp: 4074
Ion Ratio Lower Upper
59 100
57 1.0 8.3 12.5#

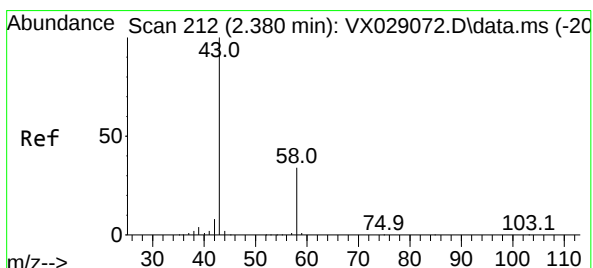
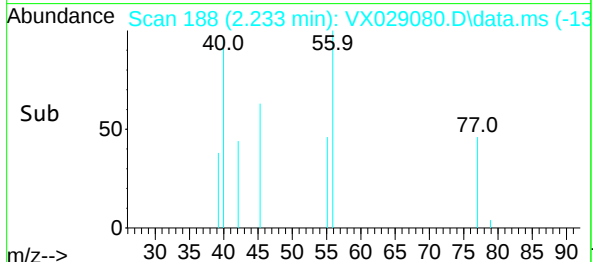
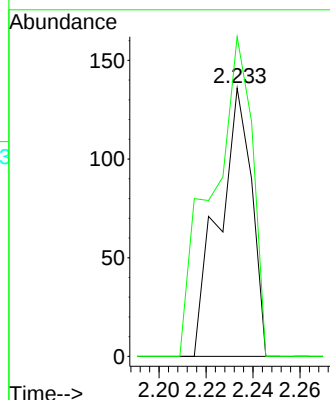
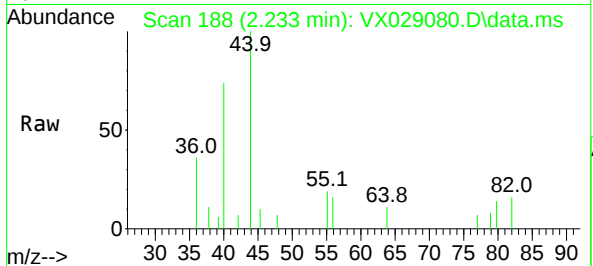




#13
Acrolein
Concen: 0.321 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029080.D
Acq: 31 May 2022 17:33

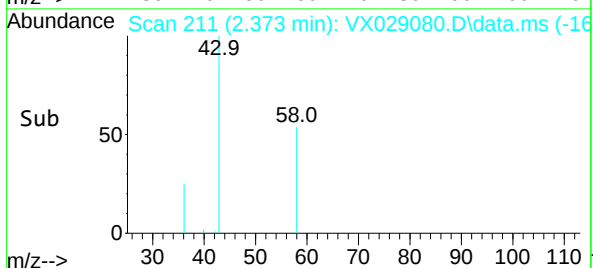
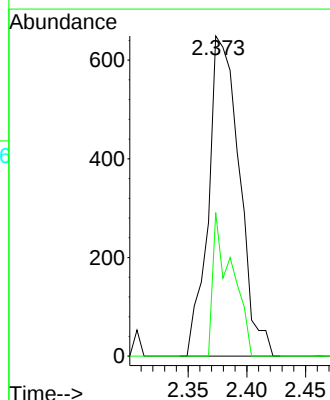
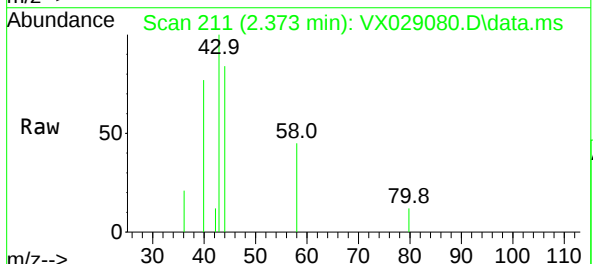
Instrument :
MSVOA_X
ClientSampleId :
VX0531WBL01

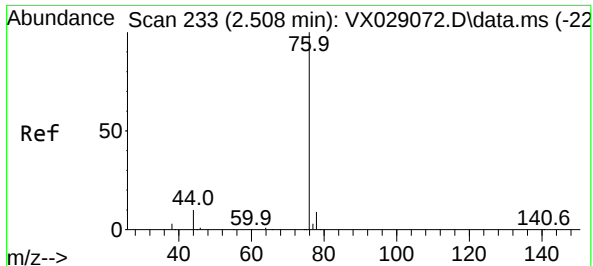
Tgt Ion: 56 Resp: 132
Ion Ratio Lower Upper
56 100
55 147.0 55.0 82.6#



#16
Acetone
Concen: 0.772 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX029080.D
Acq: 31 May 2022 17:33

Tgt Ion: 43 Resp: 1192
Ion Ratio Lower Upper
43 100
58 44.8 28.8 43.2#

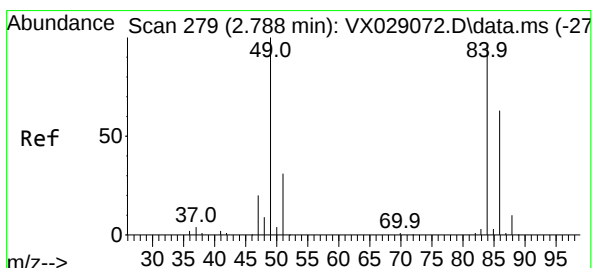
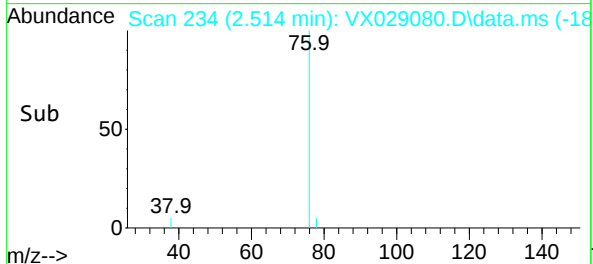
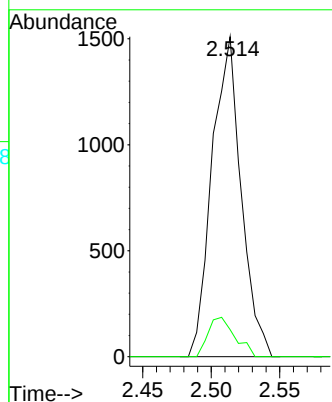
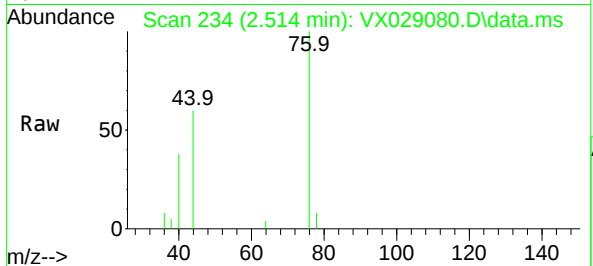




#17
Carbon Disulfide
Concen: 0.260 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029080.D
Acq: 31 May 2022 17:33

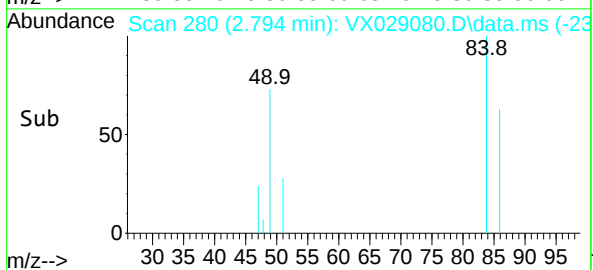
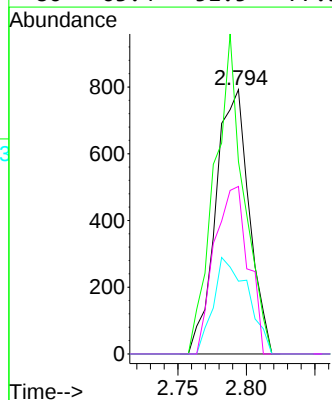
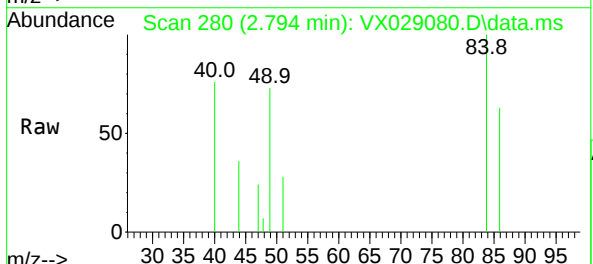
Instrument :
MSVOA_X
ClientSampleId :
VX0531WBL01

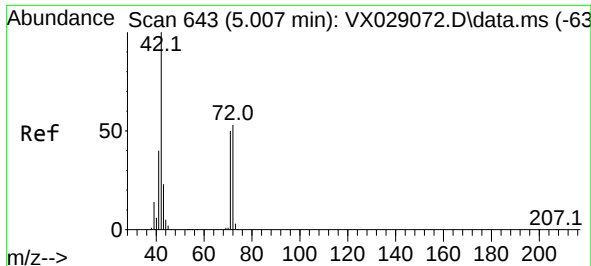
Tgt Ion: 76 Resp: 2232
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8



#20
Methylene Chloride
Concen: 0.373 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029080.D
Acq: 31 May 2022 17:33

Tgt Ion: 84 Resp: 1342
Ion Ratio Lower Upper
84 100
49 72.9 85.5 128.3#
51 27.5 26.6 39.8
86 63.4 51.5 77.3





#29

Tetrahydrofuran

Concen: 0.266 ug/l

RT: 5.025 min Scan# 643

Delta R.T. 0.018 min

Lab File: VX029080.D

Acq: 31 May 2022 17:33

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBL01

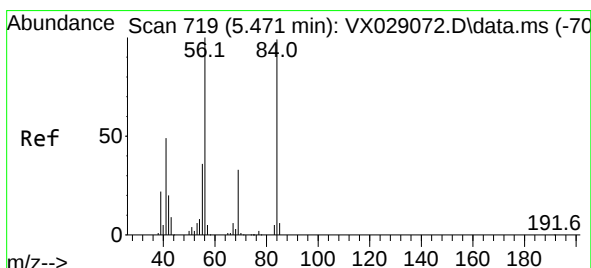
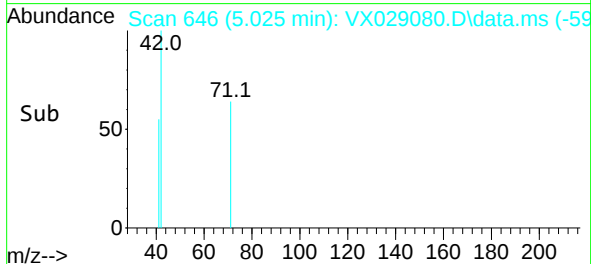
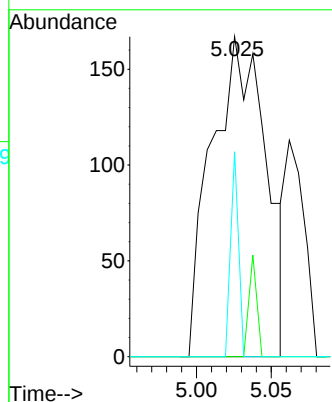
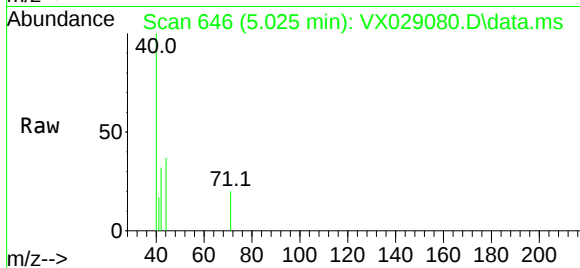
Tgt Ion: 42 Resp: 424

Ion Ratio Lower Upper

42 100

72 4.5 44.1 66.1#

71 9.2 40.5 60.7#



#31

Cyclohexane

Concen: 1.044 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX029080.D

Acq: 31 May 2022 17:33

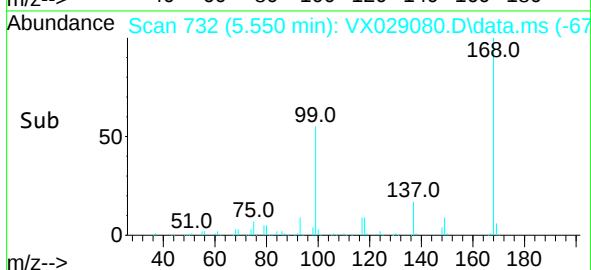
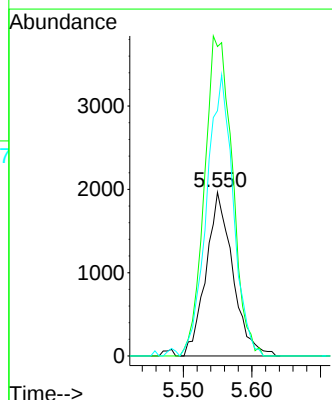
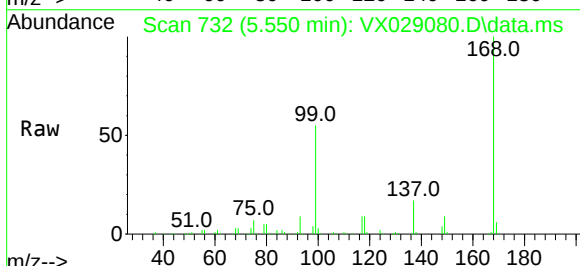
Tgt Ion: 56 Resp: 5320

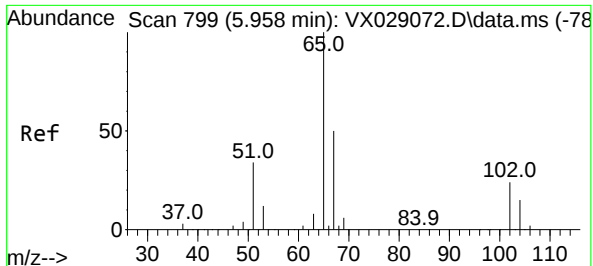
Ion Ratio Lower Upper

56 100

69 189.1 26.7 40.1#

84 149.9 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 48.374 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029080.D

Acq: 31 May 2022 17:33

Instrument :

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ClientSampleId :

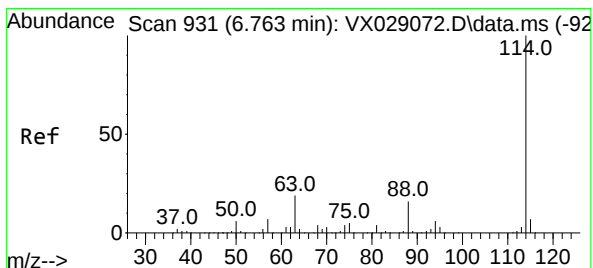
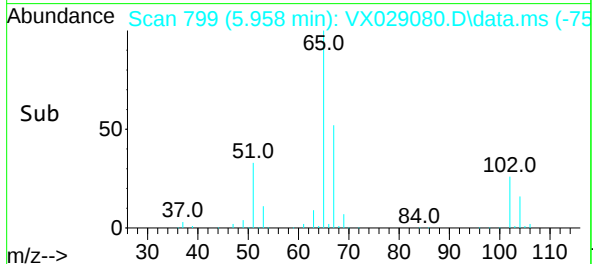
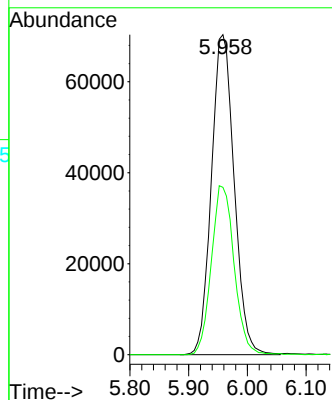
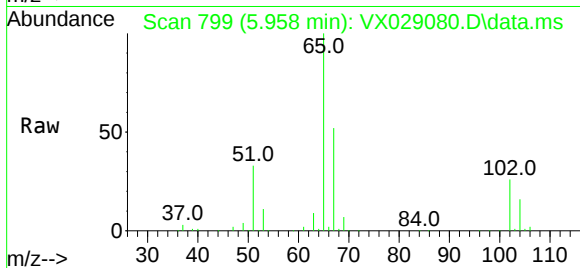
VX0531WBL01

Tgt Ion: 65 Resp: 189583

Ion Ratio Lower Upper

65 100

67 52.8 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: VX029080.D

Acq: 31 May 2022 17:33

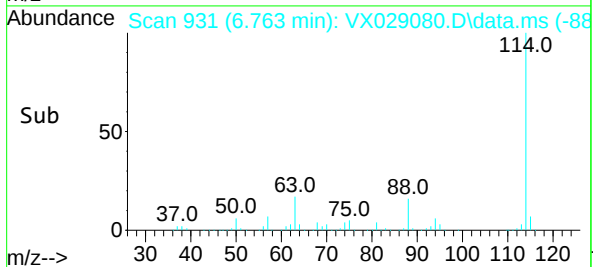
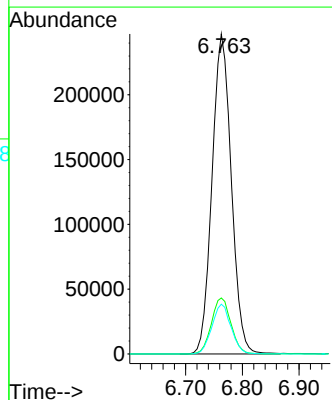
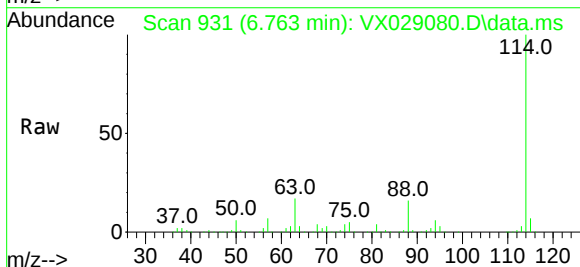
Tgt Ion: 114 Resp: 581694

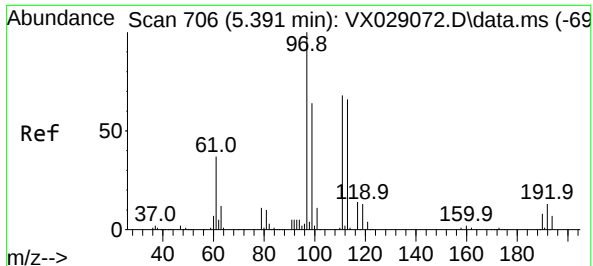
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.8

88 15.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 48.958 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX029080.D

Acq: 31 May 2022 17:33

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBL01

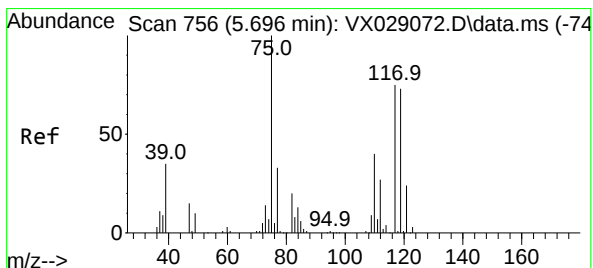
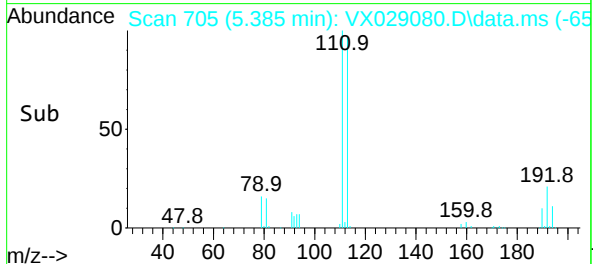
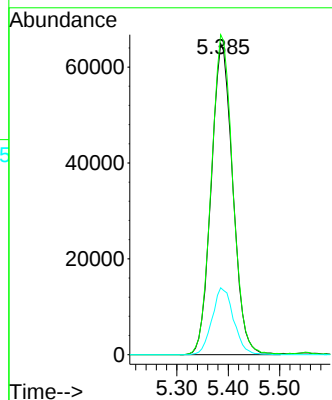
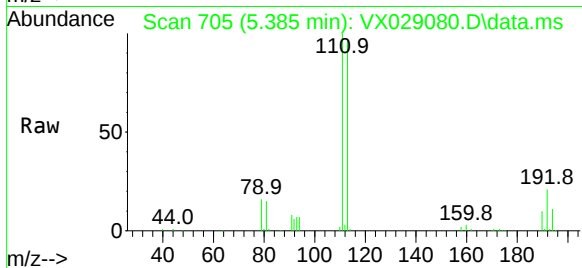
Tgt Ion:113 Resp: 189163

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 21.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.719 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX029080.D

Acq: 31 May 2022 17:33

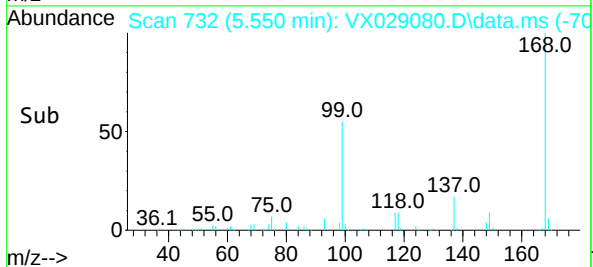
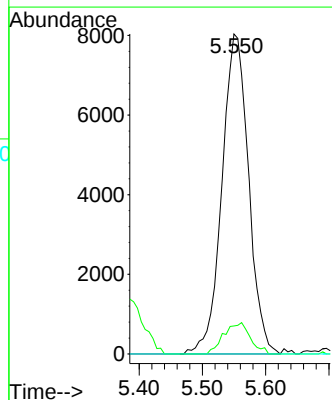
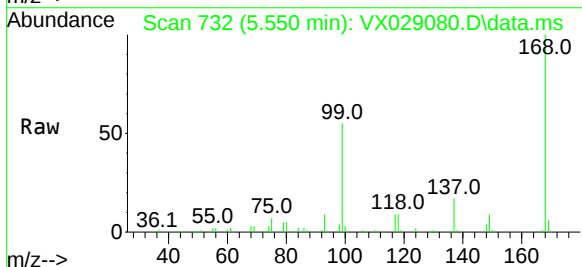
Tgt Ion: 75 Resp: 23463

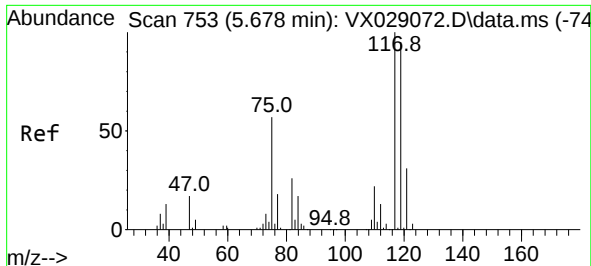
Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

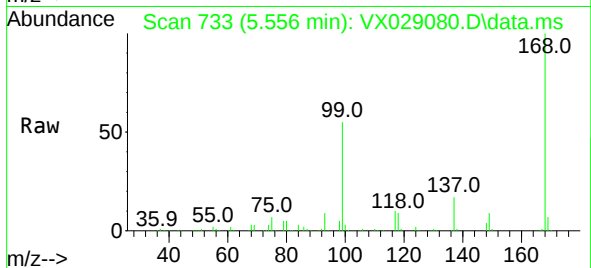
77 0.0 24.8 37.2#



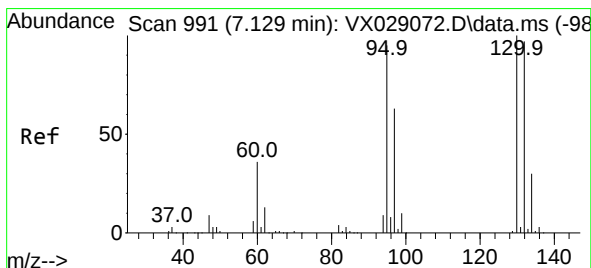
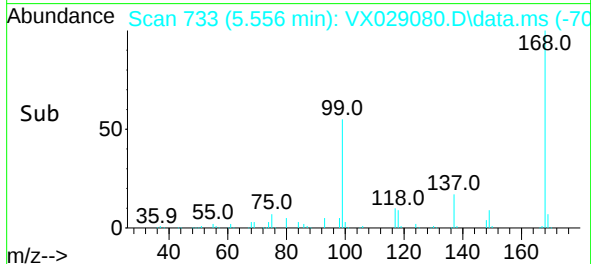
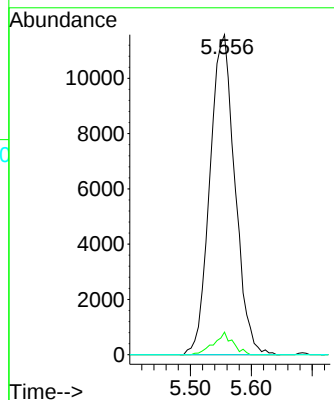


#38
Carbon Tetrachloride
Concen: 5.817 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029080.D
Acq: 31 May 2022 17:33

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBL01

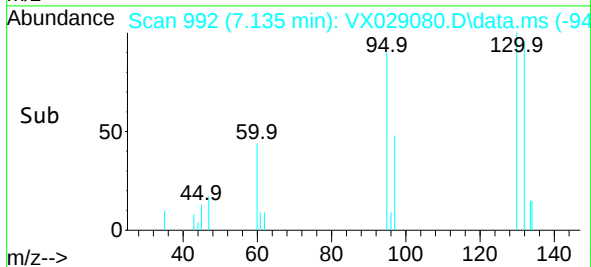
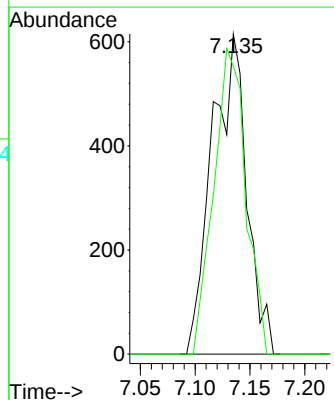
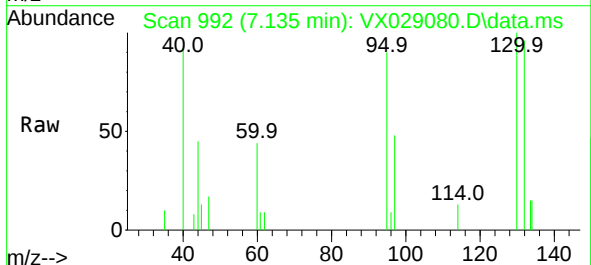


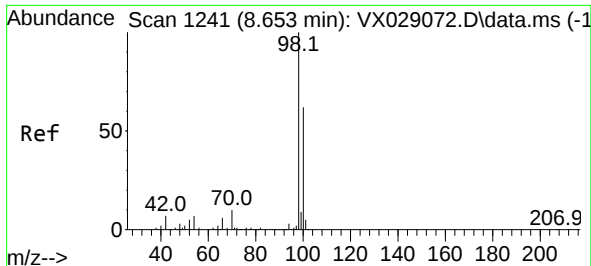
Tgt Ion:117 Resp: 33049
Ion Ratio Lower Upper
117 100
119 7.1 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: Below Cal
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029080.D
Acq: 31 May 2022 17:33

Tgt Ion:130 Resp: 1355
Ion Ratio Lower Upper
130 100
95 89.9 0.0 188.8

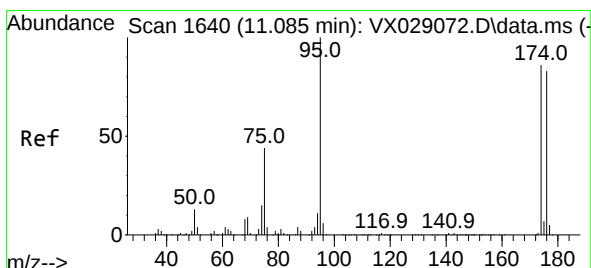
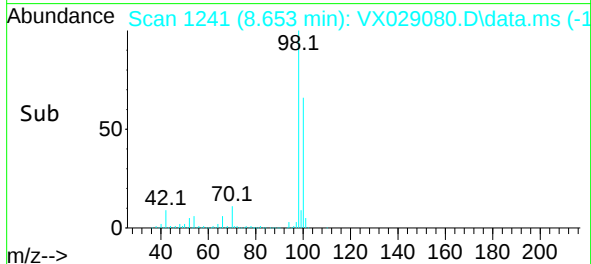
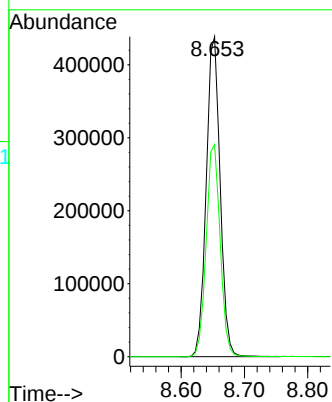
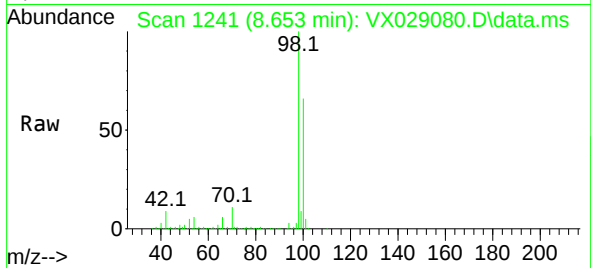




#50
Toluene-d8
Concen: 47.595 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029080.D
Acq: 31 May 2022 17:33

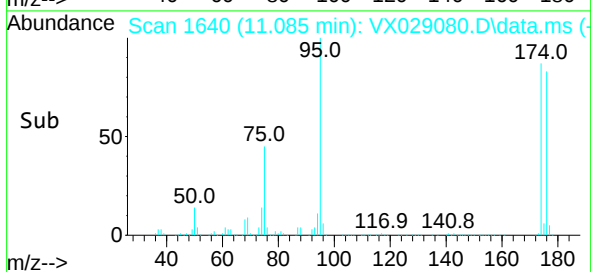
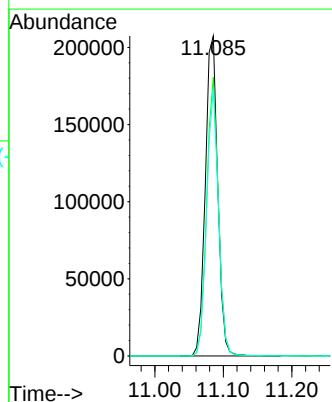
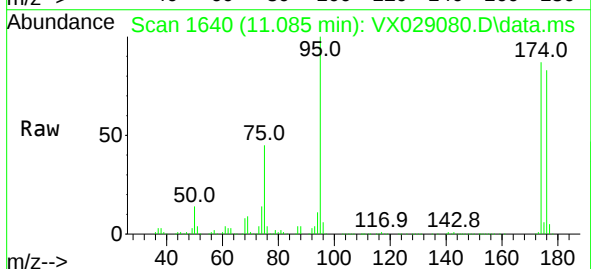
Instrument :
MSVOA_X
ClientSampleId :
VX0531WBL01

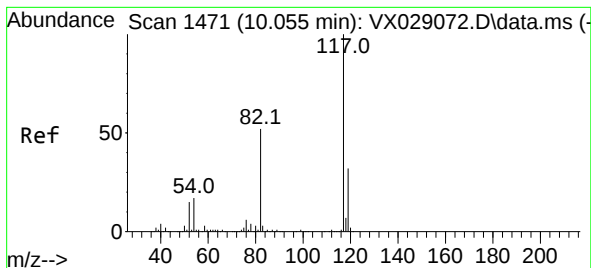
Tgt Ion: 98 Resp: 672575
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 47.948 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029080.D
Acq: 31 May 2022 17:33

Tgt Ion: 95 Resp: 261915
Ion Ratio Lower Upper
95 100
174 83.4 0.0 163.0
176 79.4 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: VX029080.D

Acq: 31 May 2022 17:33

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBL01

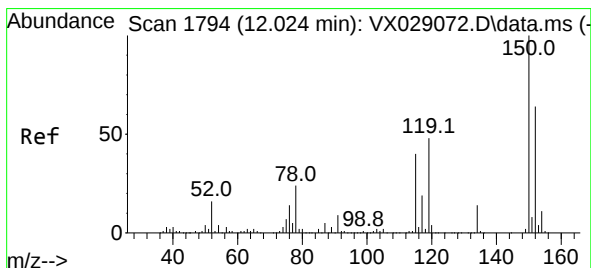
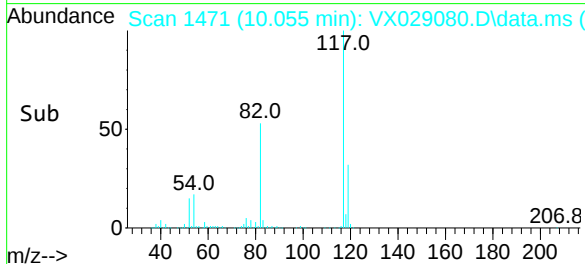
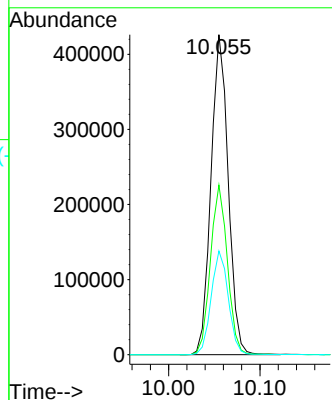
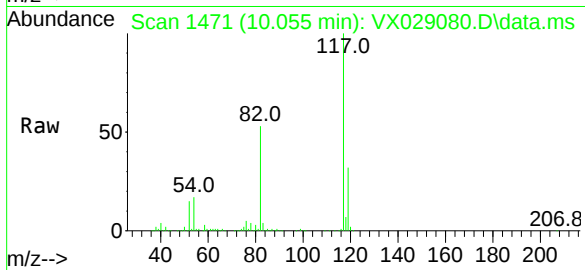
Tgt Ion:117 Resp: 558929

Ion Ratio Lower Upper

117 100

82 53.0 41.8 62.8

119 32.4 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: VX029080.D

Acq: 31 May 2022 17:33

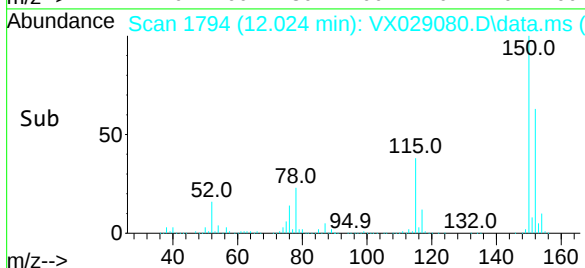
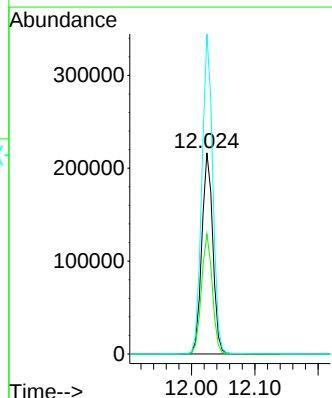
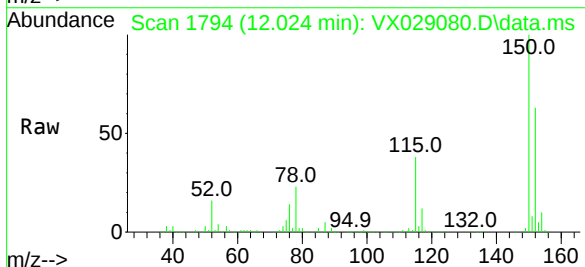
Tgt Ion:152 Resp: 262754

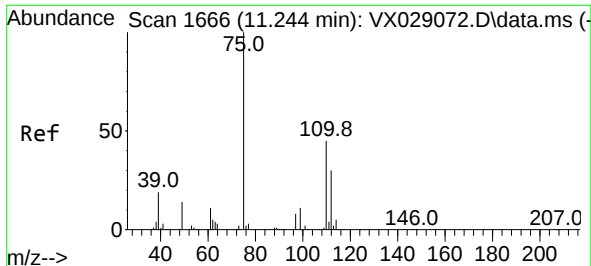
Ion Ratio Lower Upper

152 100

115 58.8 37.5 112.7

150 157.0 0.0 338.2

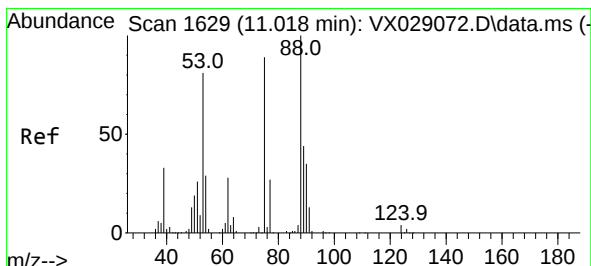
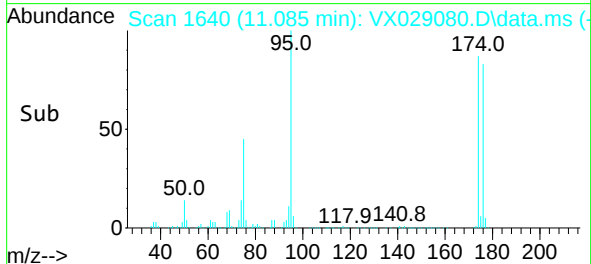
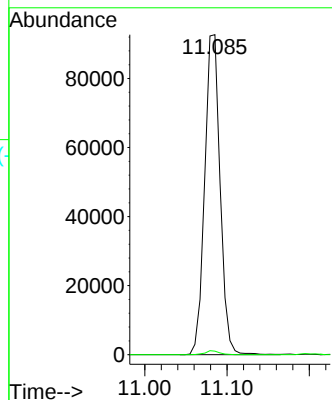
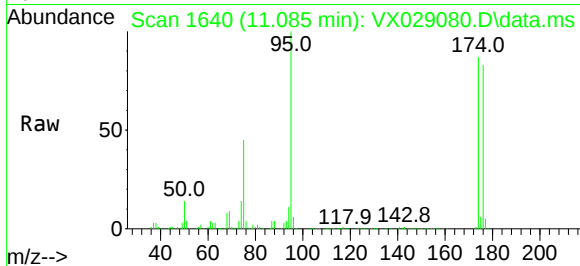




#76
1,2,3-Trichloropropane
Concen: 22.735 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX029080.D
Acq: 31 May 2022 17:33

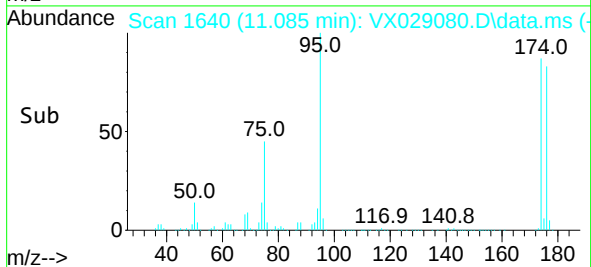
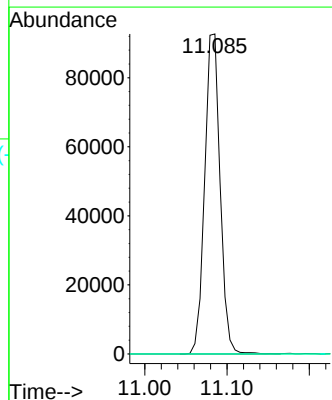
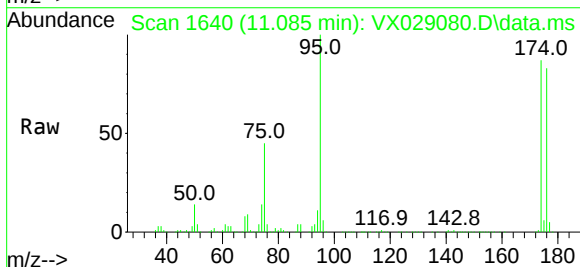
Instrument :
MSVOA_X
ClientSampleId :
VX0531WBL01

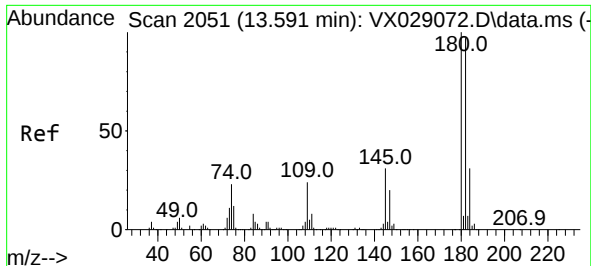
Tgt Ion: 75 Resp: 121095
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.699 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX029080.D
Acq: 31 May 2022 17:33

Tgt Ion: 75 Resp: 121095
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

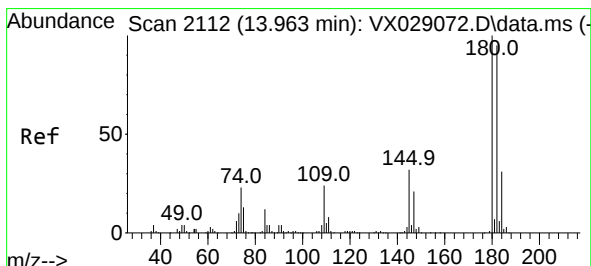
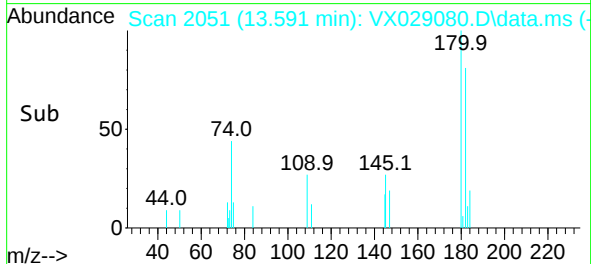
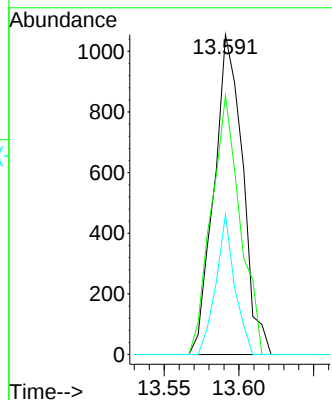
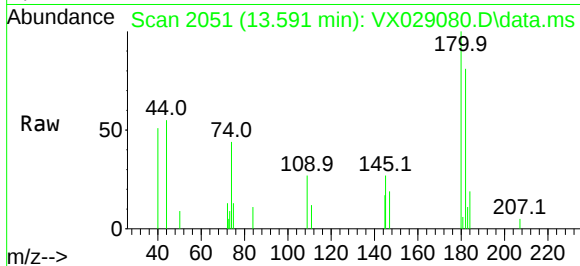




#93
 1,2,4-Trichlorobenzene
 Concen: 0.256 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. -0.000 min
 Lab File: VX029080.D
 Acq: 31 May 2022 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBL01

Tgt Ion:180 Resp: 1397
 Ion Ratio Lower Upper
 180 100
 182 81.7 47.7 143.1
 145 29.0 15.2 45.5



#96
 1,2,3-Trichlorobenzene
 Concen: 0.248 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX029080.D
 Acq: 31 May 2022 17:33

Tgt Ion:180 Resp: 1337
 Ion Ratio Lower Upper
 180 100
 182 88.4 50.0 149.8
 145 29.5 16.2 48.5

