

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090222\
 Data File : VX031058.D
 Acq On : 02 Sep 2022 11:44
 Operator : JC/MD
 Sample : N4298-02DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Quant Time: Sep 03 00:48:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

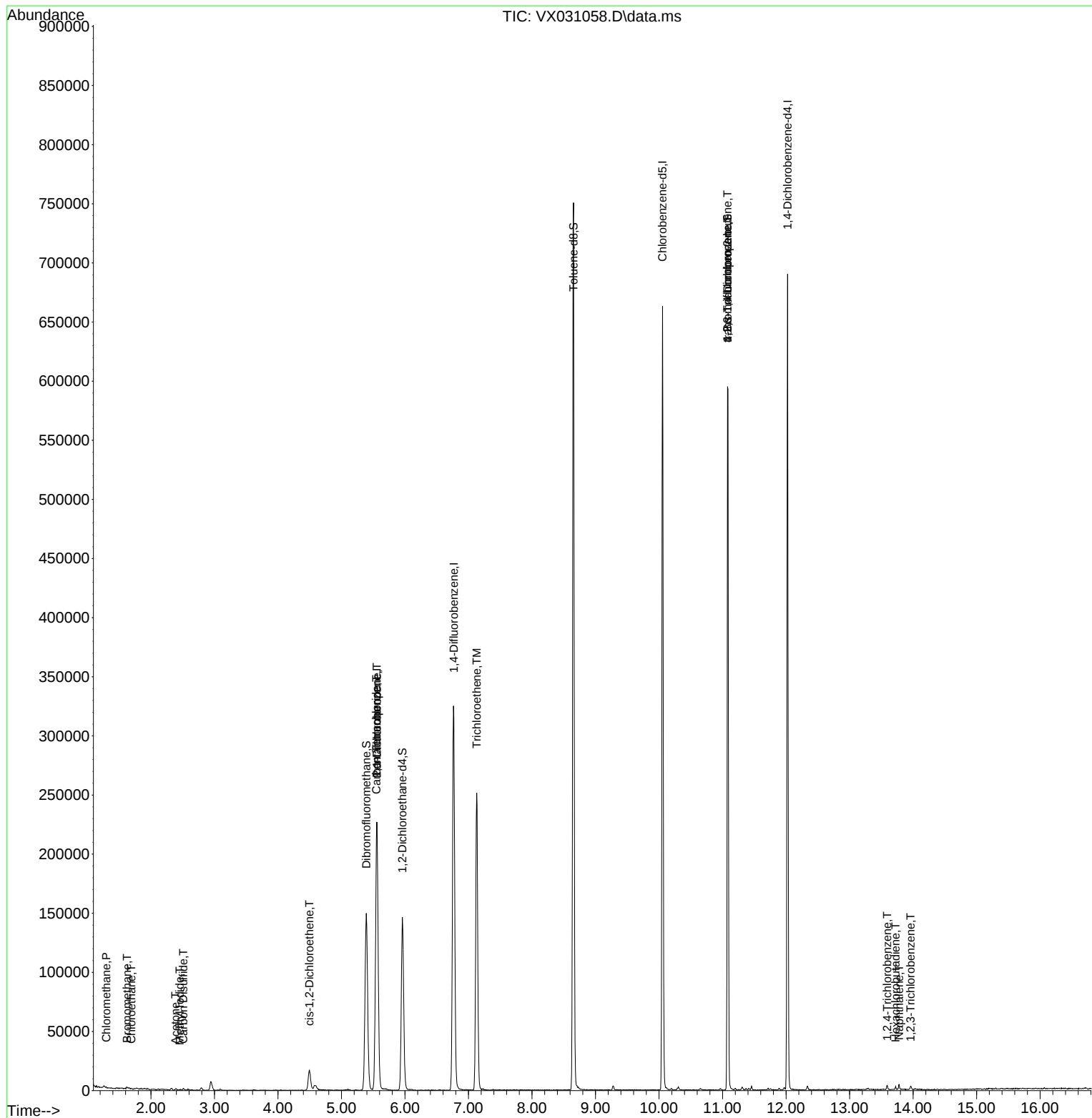
Internal Standards						
1) Pentafluorobenzene	5.556	168	232344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	368371	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	332890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	150872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	140339	46.943	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.880%
35) Dibromofluoromethane	5.391	113	134823	50.153	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.300%
50) Toluene-d8	8.653	98	491567	49.685	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.360%
62) 4-Bromofluorobenzene	11.079	95	168884	48.329	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.660%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	295	0.828	ug/l	92
5) Bromomethane	1.624	94	546	0.489	ug/l #	58
6) Chloroethane	1.691	64	137	1.812	ug/l	99
10) Methyl Iodide	2.453	142	552	3.101	ug/l #	63
11) Tert butyl alcohol	2.940	59	4420	Below Cal	#	74
16) Acetone	2.386	43	1427	1.236	ug/l #	86
17) Carbon Disulfide	2.508	76	1749	0.250	ug/l #	74
20) Methylene Chloride	2.794	84	1165	Below Cal	#	65
27) cis-1,2-Dichloroethene	4.495	96	11896	3.534	ug/l	84
36) 1,1-Dichloropropene	5.556	75	14783	3.926	ug/l #	50
38) Carbon Tetrachloride	5.550	117	22377	5.725	ug/l #	19
44) Trichloroethene	7.129	130	104885	30.652	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	75743	21.237	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	75743	66.744	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.591	180	1213	0.311	ug/l	89
94) Hexachlorobutadiene	13.725	225	391	0.229	ug/l	86
95) Naphthalene	13.780	128	2936	0.215	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	949	0.232	ug/l	94

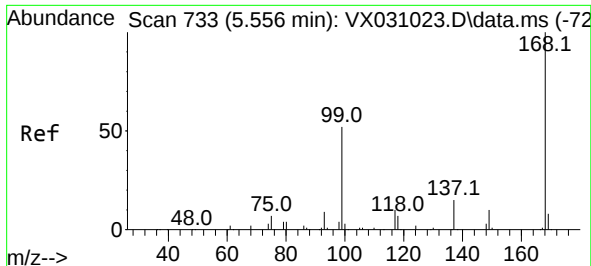
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 02 02:49:21 2022
Response via : Initial Calibration

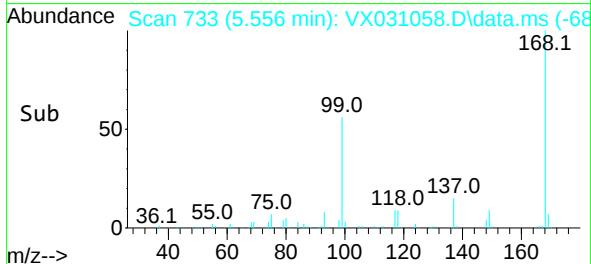
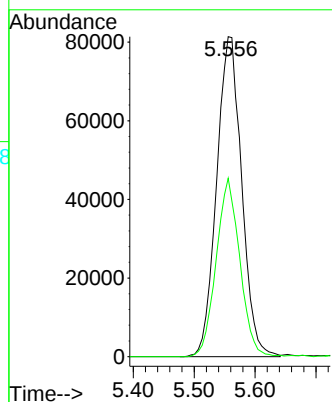
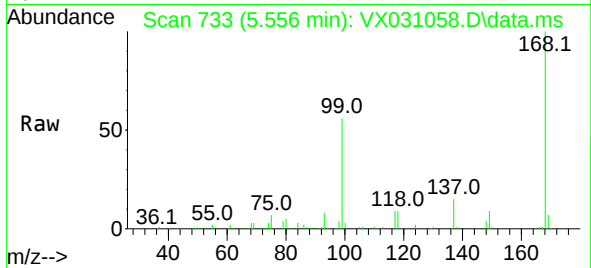




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031058.D
Acq: 02 Sep 2022 11:44

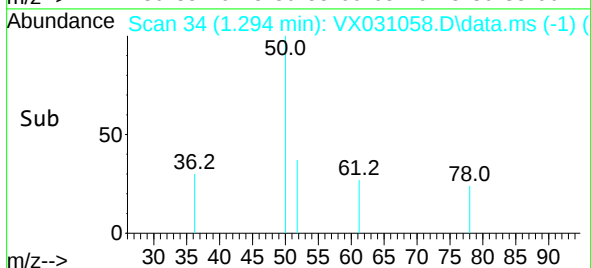
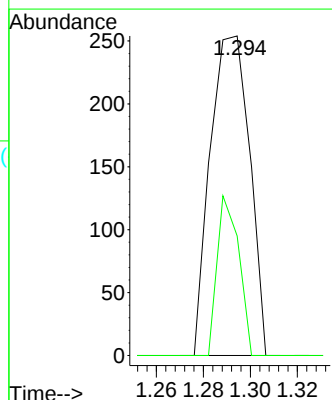
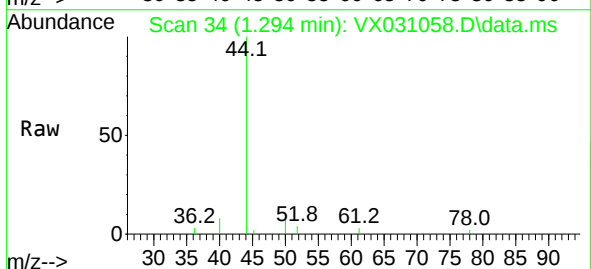
Instrument :
MSVOA_X
ClientSampleId :
MDL01

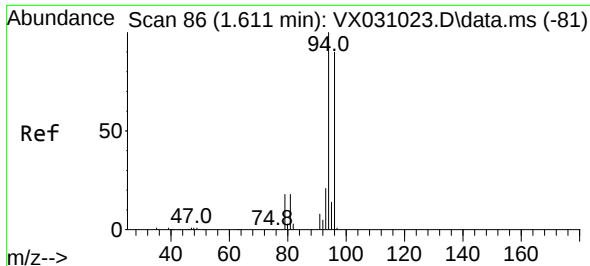
Tgt Ion:168 Resp: 232344
Ion Ratio Lower Upper
168 100
99 55.8 44.0 66.0



#3
Chloromethane
Concen: 0.828 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031058.D
Acq: 02 Sep 2022 11:44

Tgt Ion: 50 Resp: 295
Ion Ratio Lower Upper
50 100
52 37.4 26.3 39.5

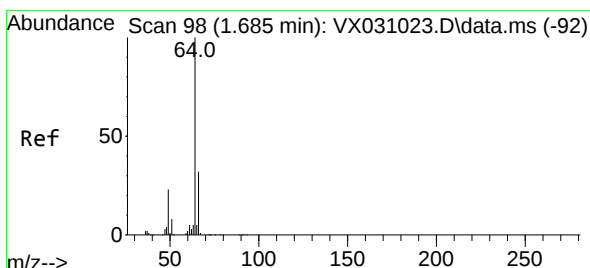
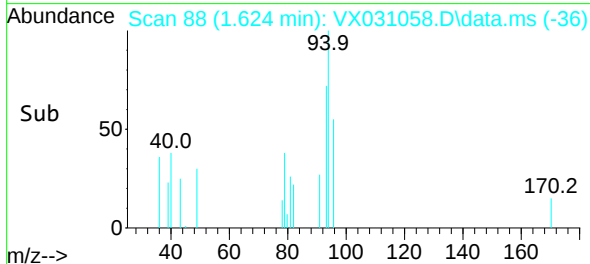
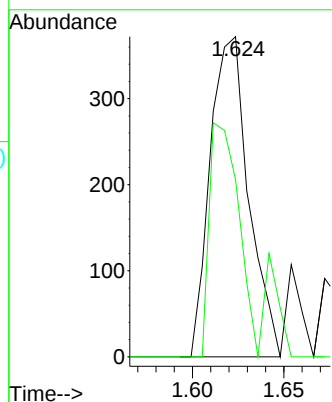
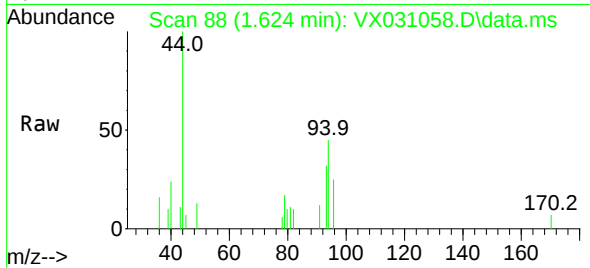




#5
Bromomethane
Concen: 0.489 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX031058.D
Acq: 02 Sep 2022 11:44

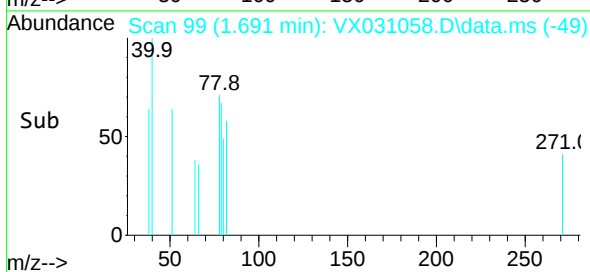
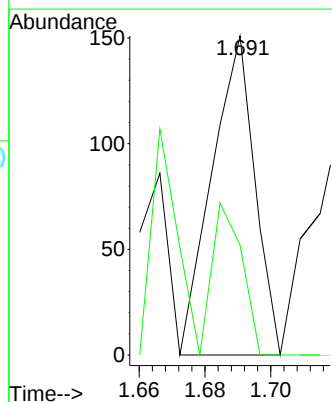
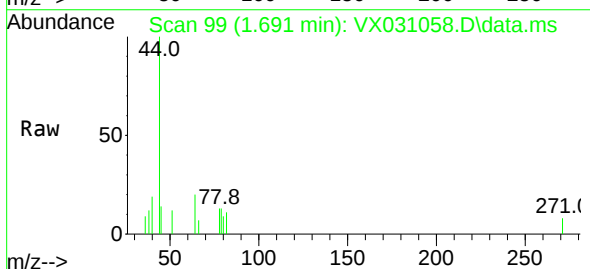
Instrument :
MSVOA_X
ClientSampleId :
MDL01

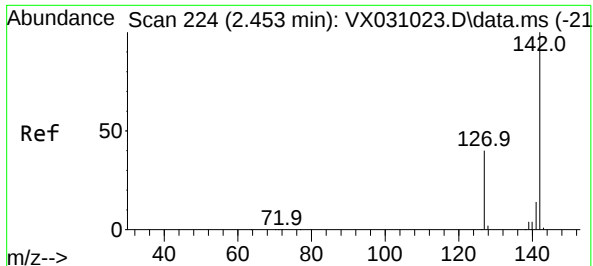
Tgt Ion: 94 Resp: 546
Ion Ratio Lower Upper
94 100
96 55.4 76.9 115.3#



#6
Chloroethane
Concen: 1.812 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX031058.D
Acq: 02 Sep 2022 11:44

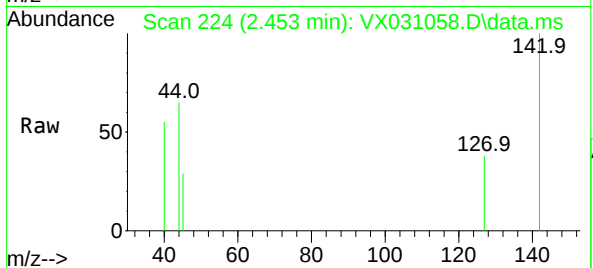
Tgt Ion: 64 Resp: 137
Ion Ratio Lower Upper
64 100
66 34.4 27.2 40.8



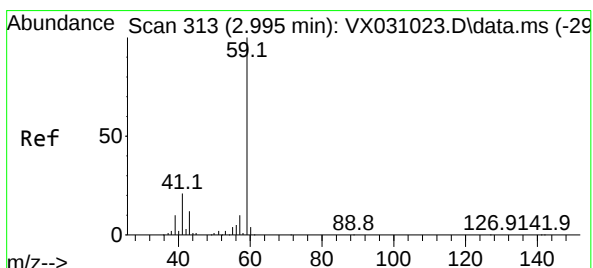
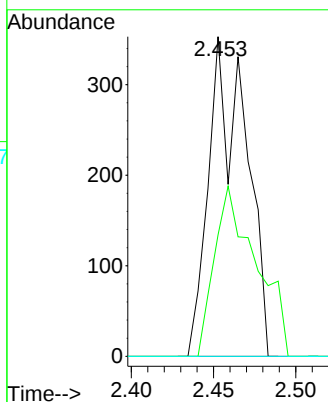
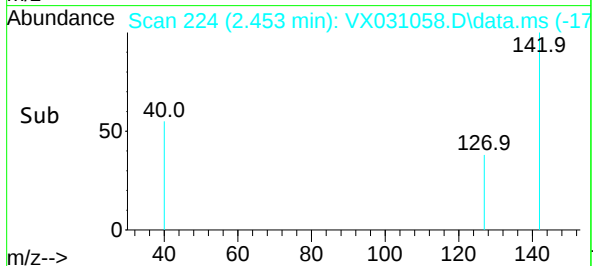


#10
Methyl Iodide
Concen: 3.101 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031058.D
Acq: 02 Sep 2022 11:44

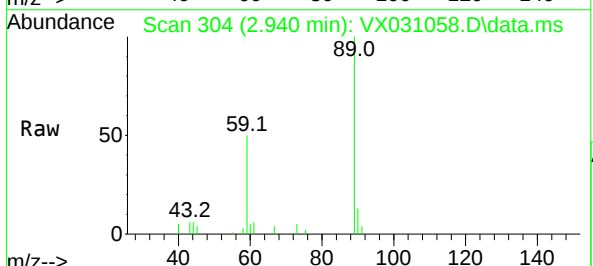
Instrument :
MSVOA_X
ClientSampleId :
MDL01



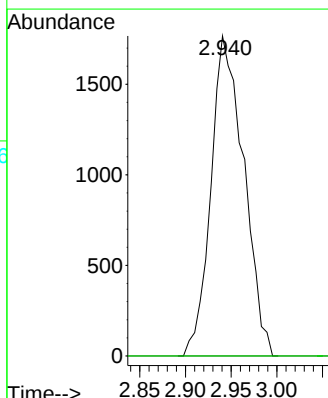
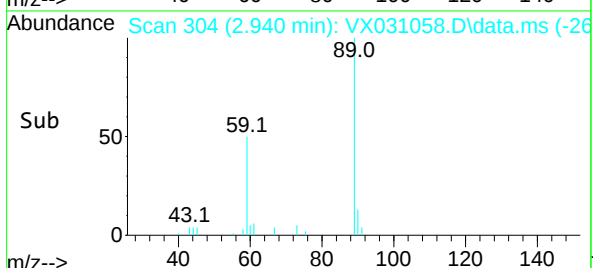
Tgt Ion:142 Resp: 552
Ion Ratio Lower Upper
142 100
127 60.1 30.2 45.2#
141 0.0 11.3 16.9#

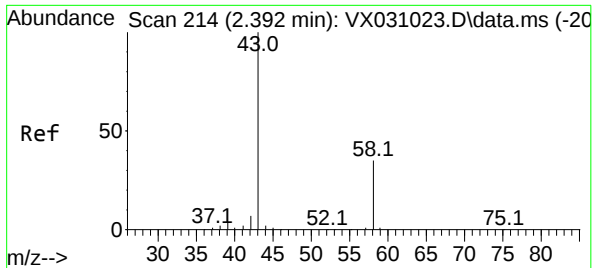


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX031058.D
Acq: 02 Sep 2022 11:44



Tgt Ion: 59 Resp: 4420
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

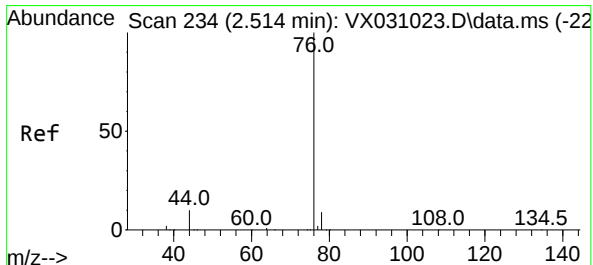
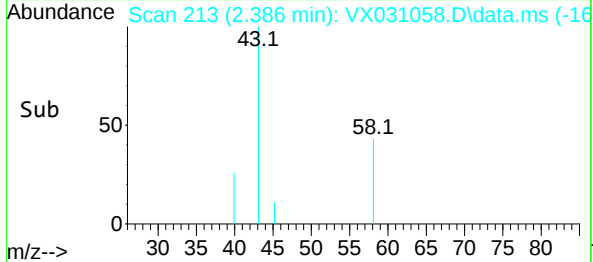
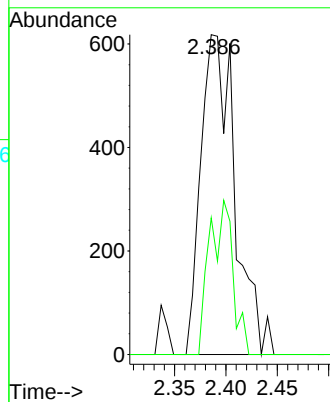
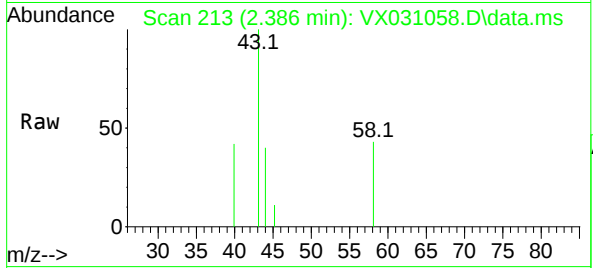




#16
Acetone
Concen: 1.236 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX031058.D
Acq: 02 Sep 2022 11:44

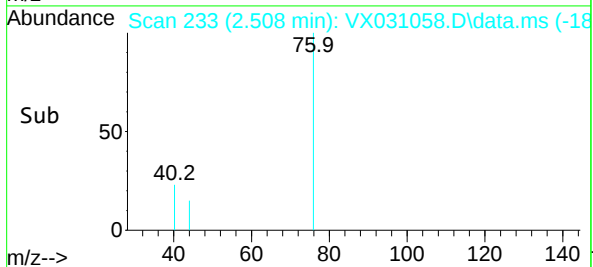
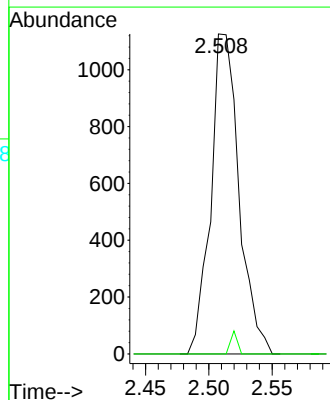
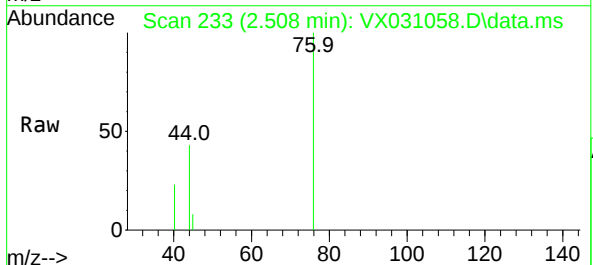
Instrument :
MSVOA_X
ClientSampleId :
MDL01

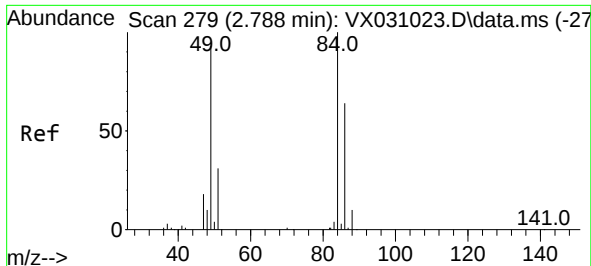
Tgt Ion: 43 Resp: 1427
Ion Ratio Lower Upper
43 100
58 42.7 27.7 41.5#



#17
Carbon Disulfide
Concen: 0.250 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX031058.D
Acq: 02 Sep 2022 11:44

Tgt Ion: 76 Resp: 1749
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

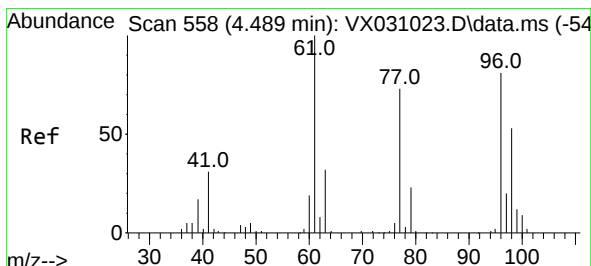
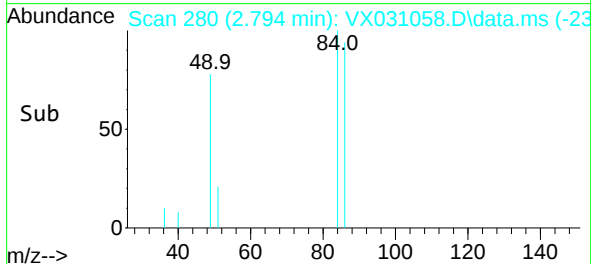
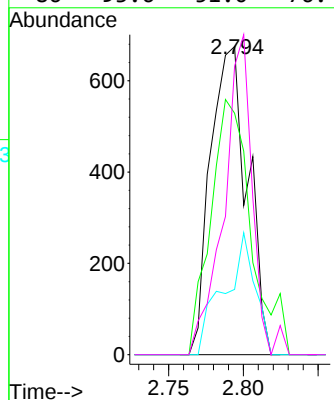
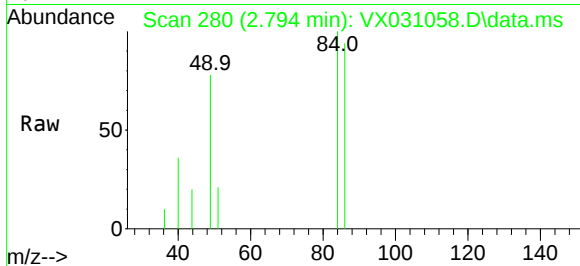




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031058.D
Acq: 02 Sep 2022 11:44

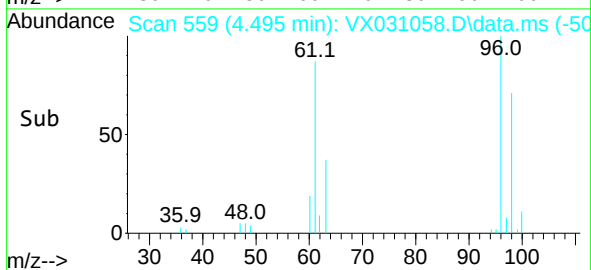
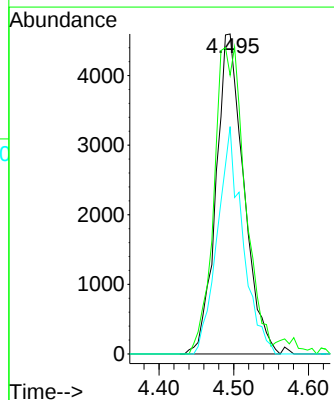
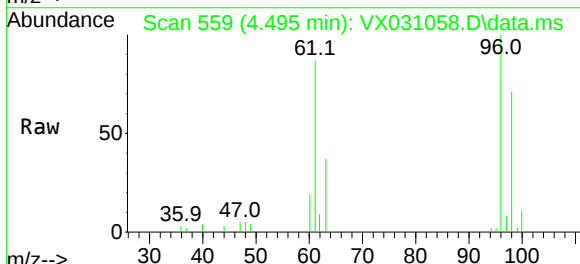
Instrument :
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ClientSampleId :
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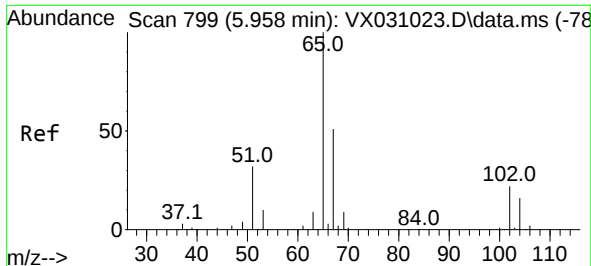
Tgt Ion: 84	Resp: 1165
Ion Ratio	Lower Upper
84 100	
49 78.4	93.8 140.6#
51 21.2	29.4 44.0#
86 93.6	51.0 76.4#



#27
cis-1,2-Dichloroethene
Concen: 3.534 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX031058.D
Acq: 02 Sep 2022 11:44

Tgt Ion: 96	Resp: 11896		
Ion Ratio	Lower	Upper	
96	100		
61	107.8	0.0	270.0
98	64.6	0.0	127.8

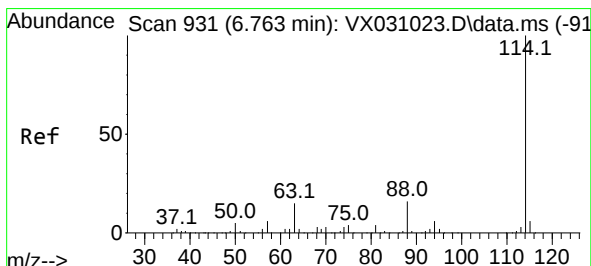
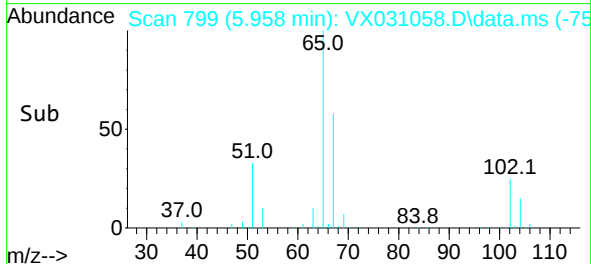
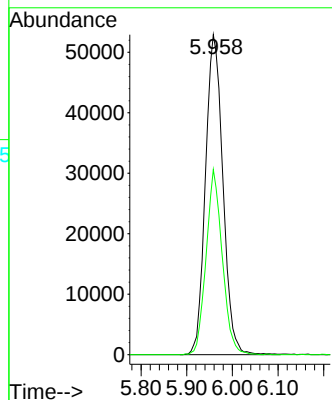
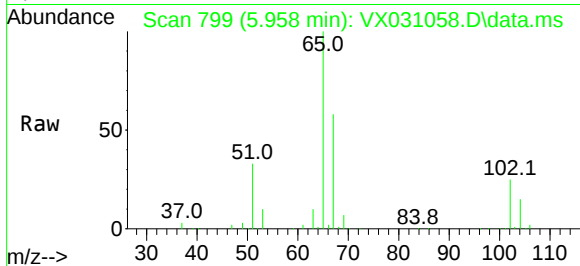




#33
 1,2-Dichloroethane-d4
 Concen: 46.943 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX031058.D
 Acq: 02 Sep 2022 11:44

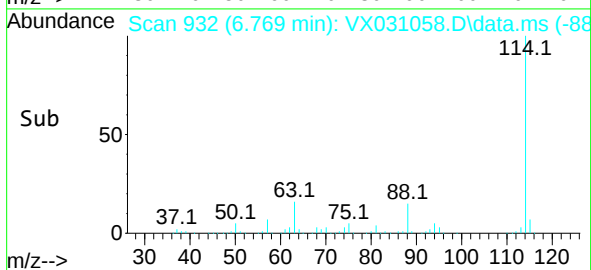
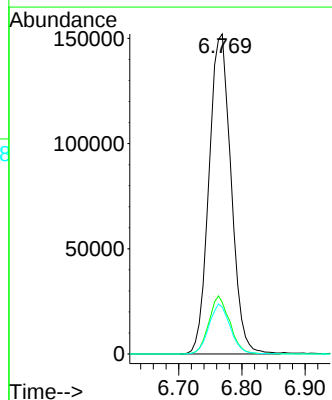
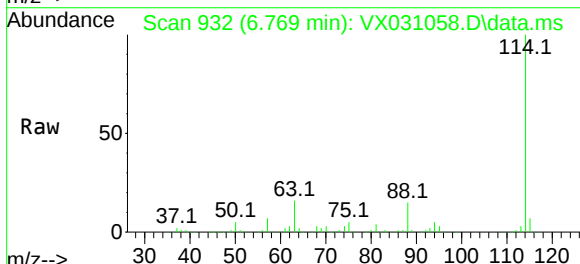
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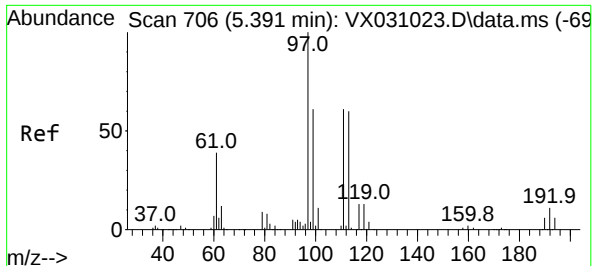
Tgt Ion: 65 Resp: 140339
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX031058.D
 Acq: 02 Sep 2022 11:44

Tgt Ion: 114 Resp: 368371
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 38.4
 88 14.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.153 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX031058.D

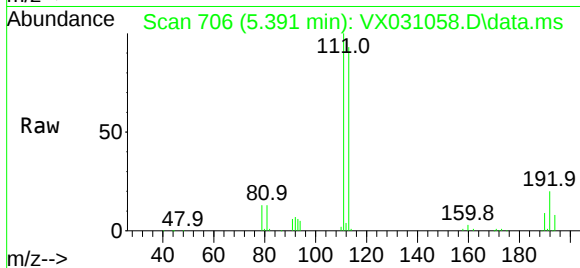
Acq: 02 Sep 2022 11:44

Instrument :

MSVOA_X

ClientSampleId :

MDL01



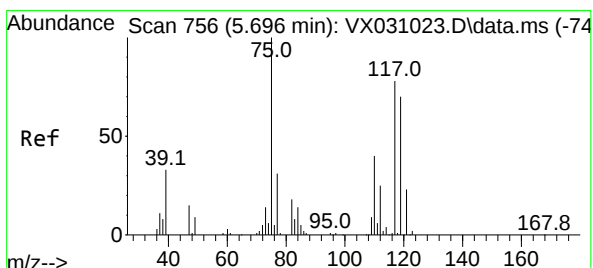
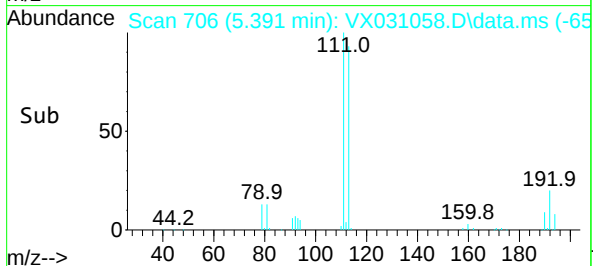
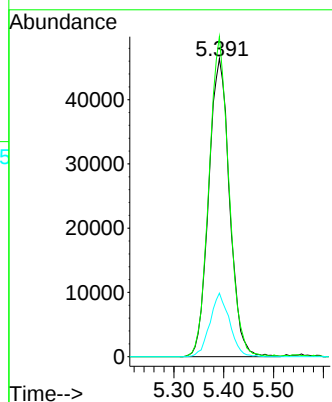
Tgt Ion:113 Resp: 134823

Ion Ratio Lower Upper

113 100

111 102.8 83.2 124.8

192 20.1 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.926 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX031058.D

Acq: 02 Sep 2022 11:44

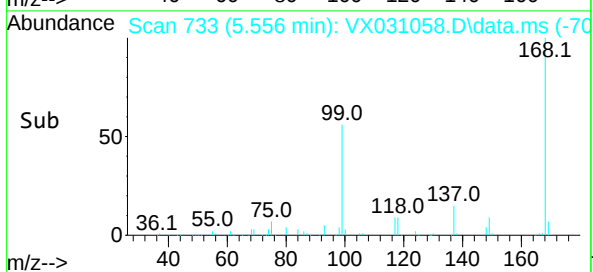
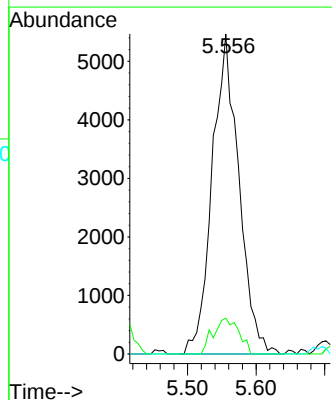
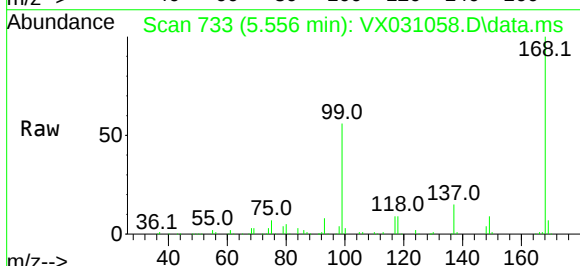
Tgt Ion: 75 Resp: 14783

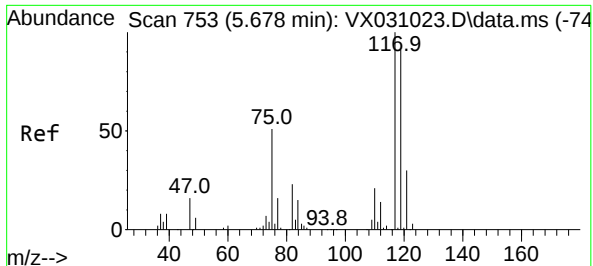
Ion Ratio Lower Upper

75 100

110 10.7 19.3 57.9#

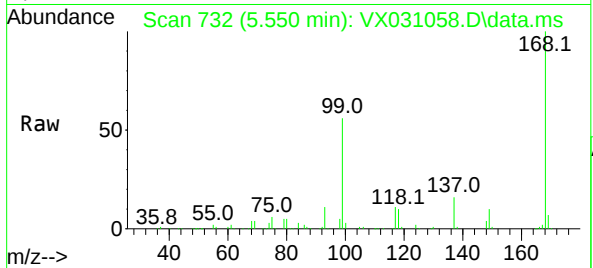
77 0.0 24.4 36.6#



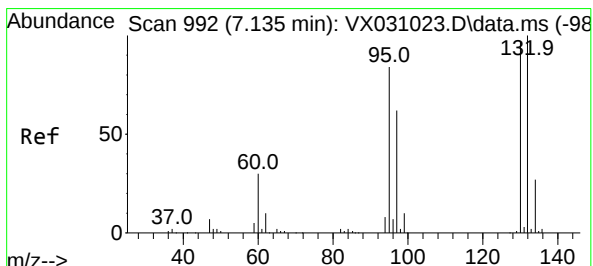
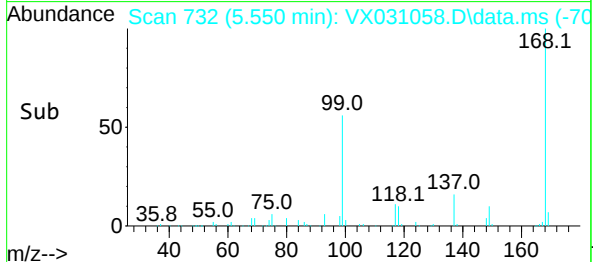
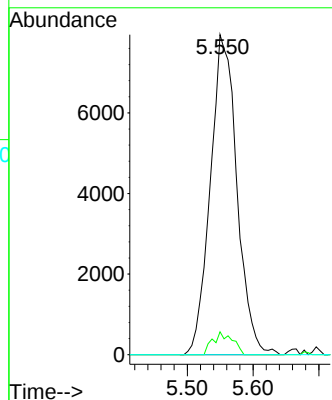


#38
Carbon Tetrachloride
Concen: 5.725 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX031058.D
Acq: 02 Sep 2022 11:44

Instrument :
MSVOA_X
ClientSampleId :
MDL01

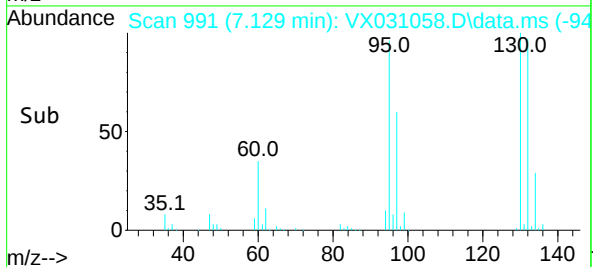
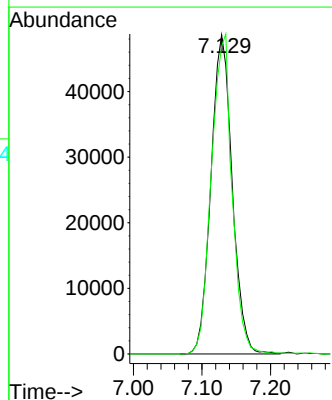
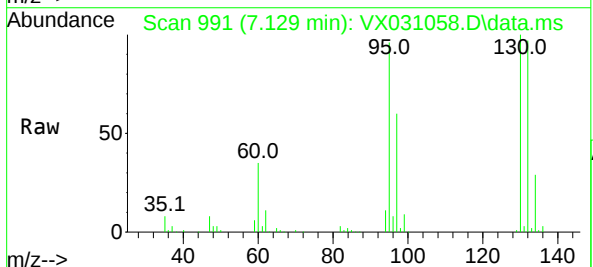


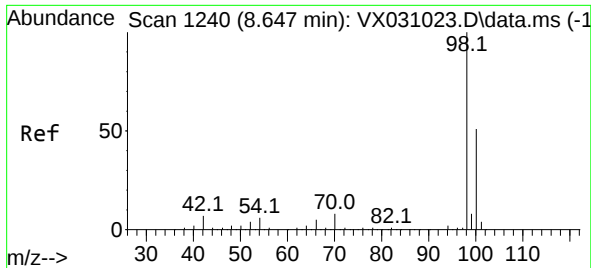
Tgt Ion:117 Resp: 22377
Ion Ratio Lower Upper
117 100
119 7.1 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 30.652 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031058.D
Acq: 02 Sep 2022 11:44

Tgt Ion:130 Resp: 104885
Ion Ratio Lower Upper
130 100
95 96.4 0.0 194.8

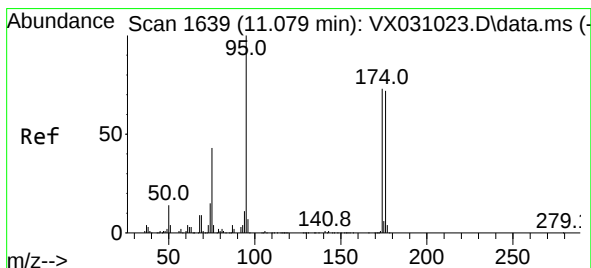
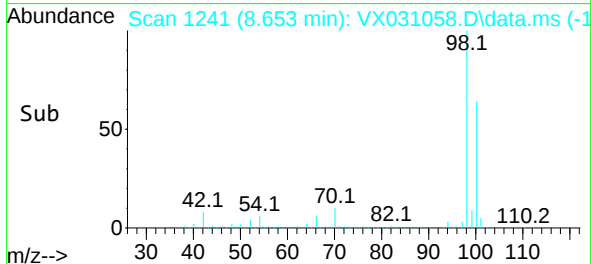
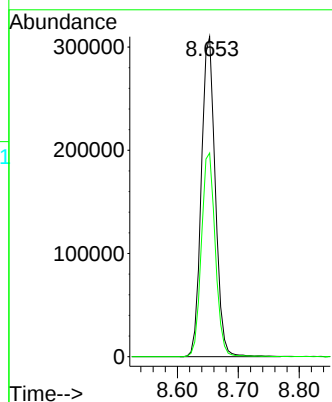
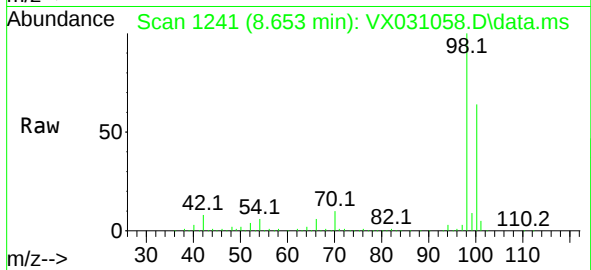




#50
Toluene-d8
Concen: 49.685 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031058.D
Acq: 02 Sep 2022 11:44

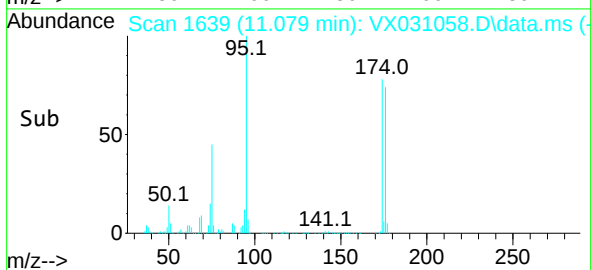
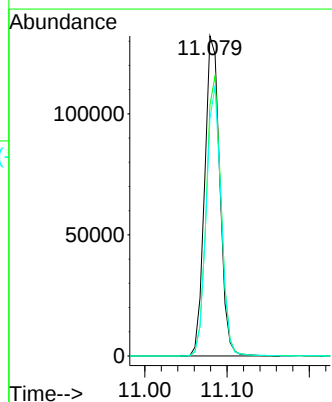
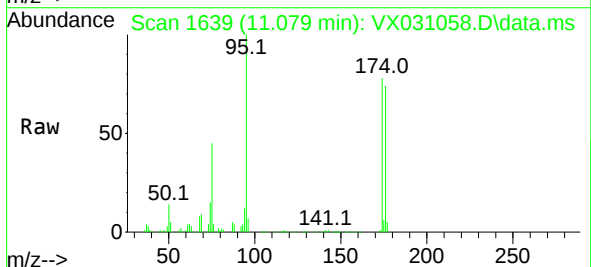
Instrument :
MSVOA_X
ClientSampleId :
MDL01

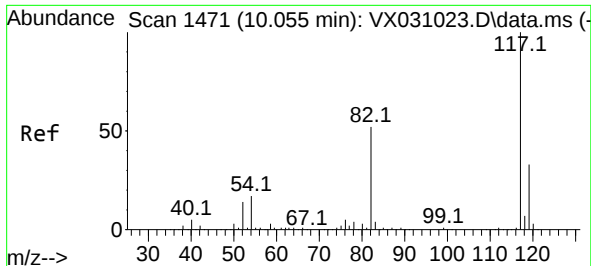
Tgt Ion: 98 Resp: 491567
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 48.329 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX031058.D
Acq: 02 Sep 2022 11:44

Tgt Ion: 95 Resp: 168884
Ion Ratio Lower Upper
95 100
174 85.8 0.0 149.0
176 83.0 0.0 146.0

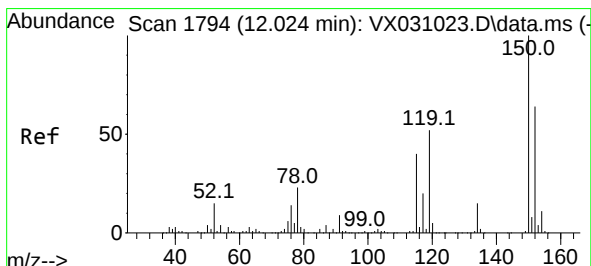
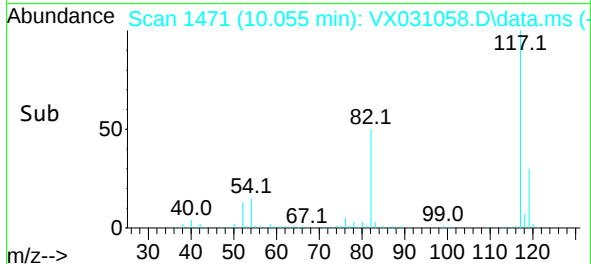
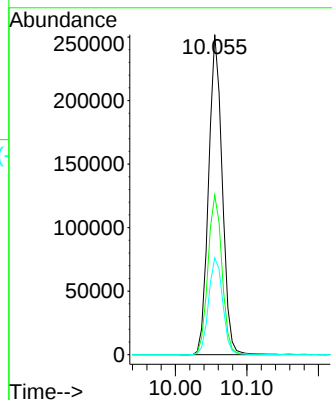
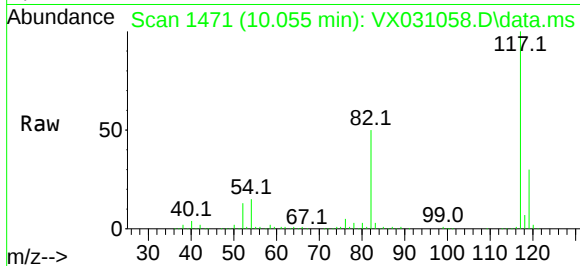




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031058.D
Acq: 02 Sep 2022 11:44

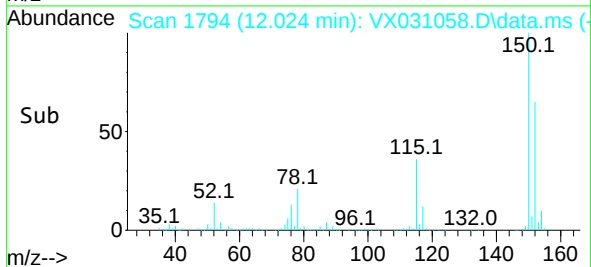
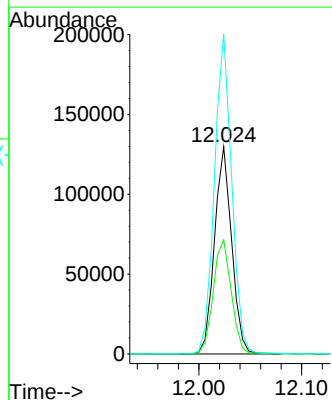
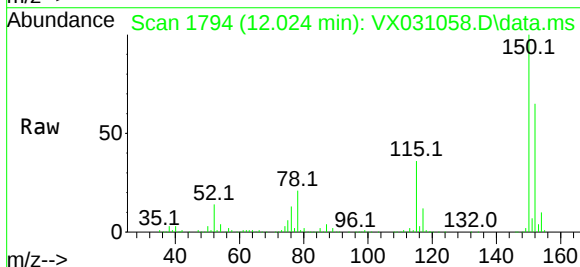
Instrument :
MSVOA_X
ClientSampleId :
MDL01

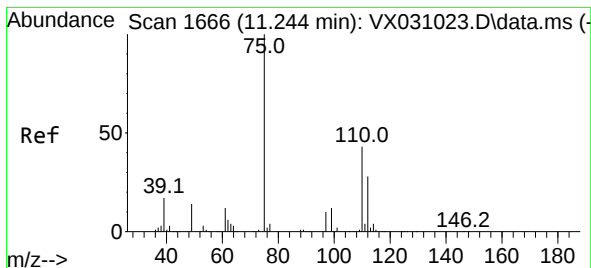
Tgt Ion:117 Resp: 332890
Ion Ratio Lower Upper
117 100
82 49.8 42.7 64.1
119 30.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031058.D
Acq: 02 Sep 2022 11:44

Tgt Ion:152 Resp: 150872
Ion Ratio Lower Upper
152 100
115 57.7 40.5 121.5
150 154.9 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 21.237 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX031058.D

Acq: 02 Sep 2022 11:44

Instrument :

MSVOA_X

ClientSampleId :

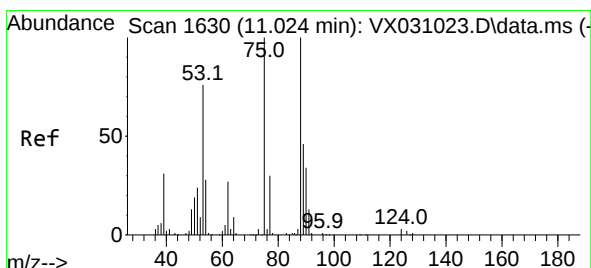
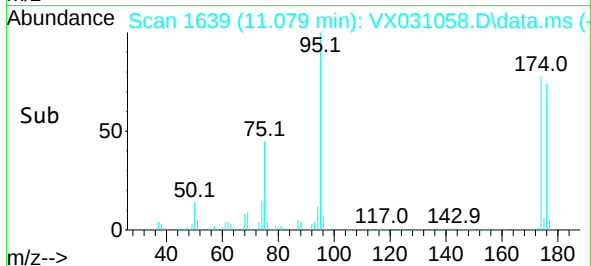
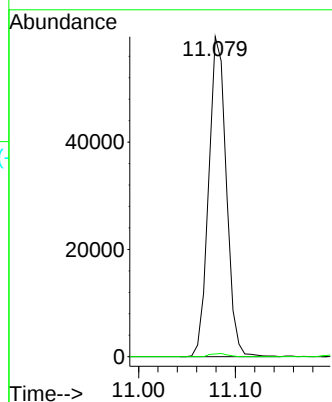
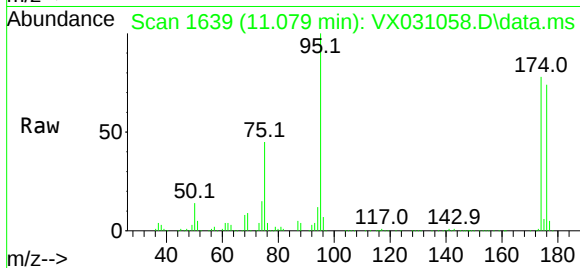
MDL01

Tgt Ion: 75 Resp: 75743

Ion Ratio Lower Upper

75 100

77 1.0 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.744 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.055 min

Lab File: VX031058.D

Acq: 02 Sep 2022 11:44

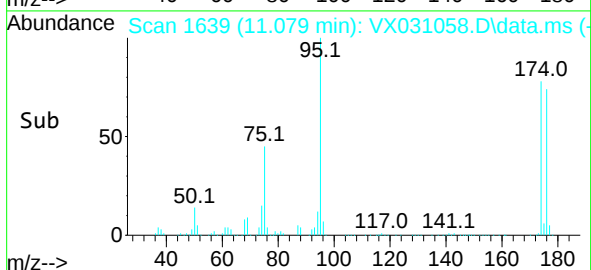
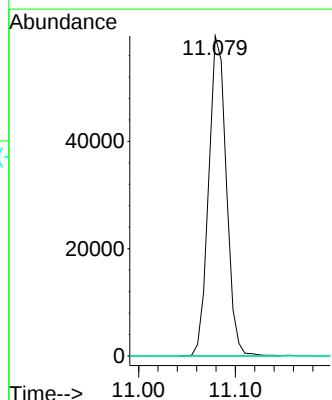
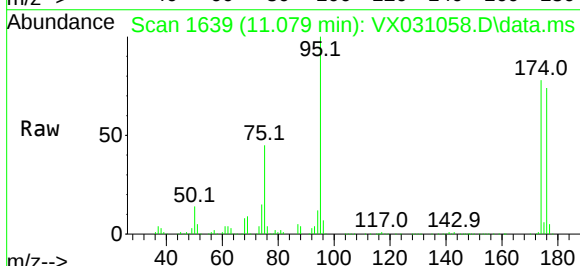
Tgt Ion: 75 Resp: 75743

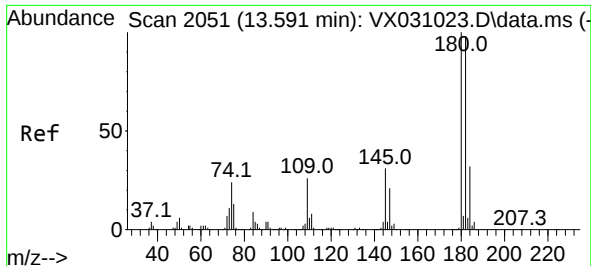
Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.0 34.8 52.2#

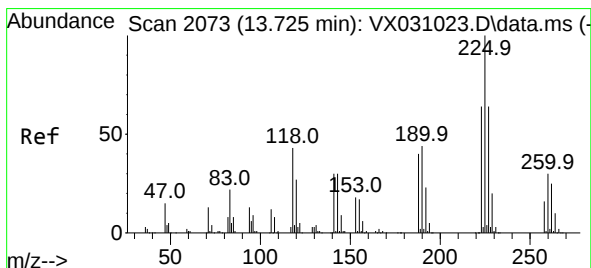
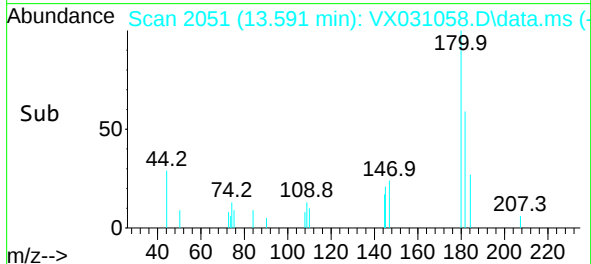
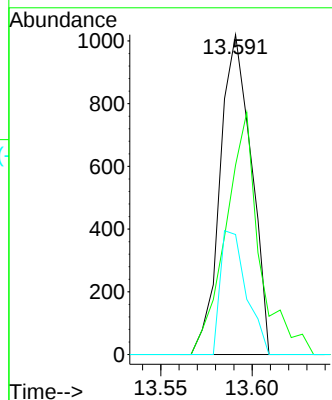
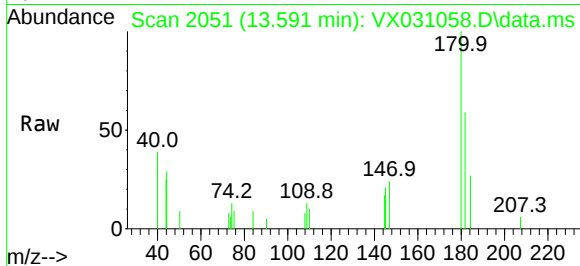




#93
 1,2,4-Trichlorobenzene
 Concen: 0.311 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. -0.000 min
 Lab File: VX031058.D
 Acq: 02 Sep 2022 11:44

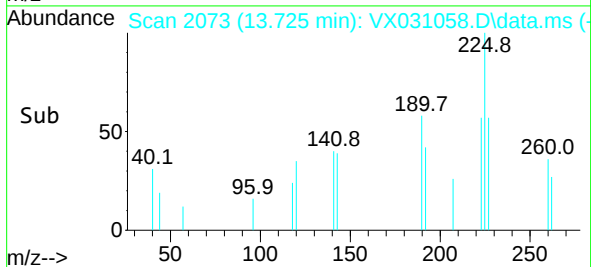
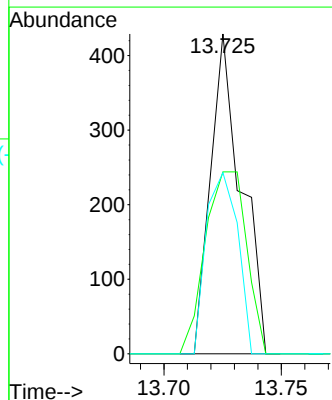
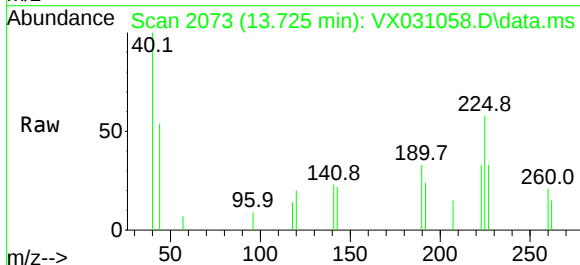
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

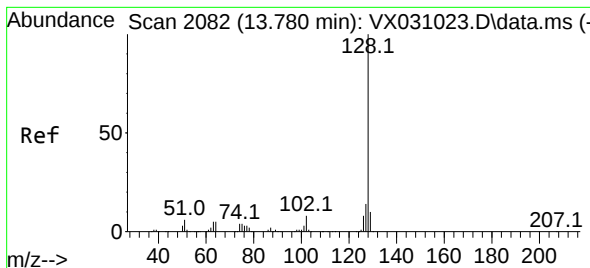
Tgt Ion:180	Resp:	1213
Ion	Ratio	Lower Upper
180	100	
182	81.9	48.2 144.6
145	32.2	15.9 47.6



#94
 Hexachlorobutadiene
 Concen: 0.229 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX031058.D
 Acq: 02 Sep 2022 11:44

Tgt Ion:225	Resp:	391
Ion	Ratio	Lower Upper
225	100	
223	76.5	30.6 91.6
227	57.8	31.9 95.9





#95

Naphthalene

Concen: 0.215 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX031058.D

Acq: 02 Sep 2022 11:44

Instrument :

MSVOA_X

ClientSampleId :

MDL01

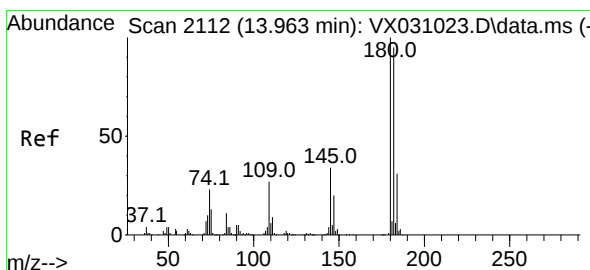
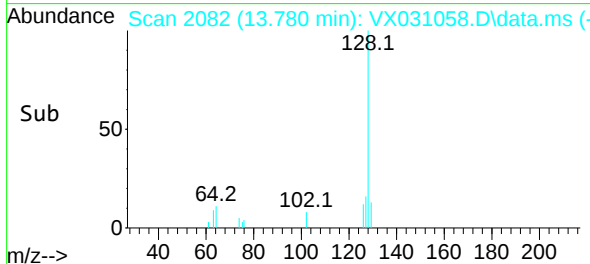
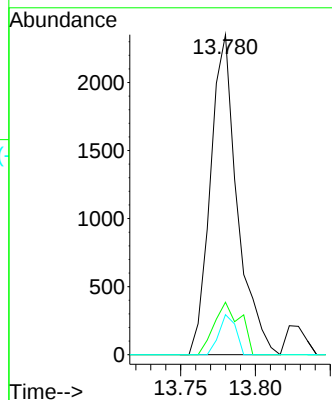
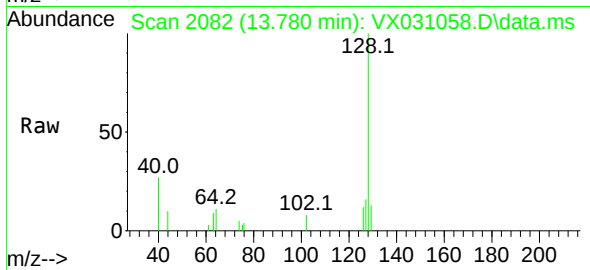
Tgt Ion:128 Resp: 2936

Ion Ratio Lower Upper

128 100

127 16.0 10.2 15.2#

129 7.8 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.232 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX031058.D

Acq: 02 Sep 2022 11:44

Tgt Ion:180 Resp: 949

Ion Ratio Lower Upper

180 100

182 101.1 47.0 141.0

145 34.4 17.0 50.9

