

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090222\
 Data File : VX031060.D
 Acq On : 02 Sep 2022 12:31
 Operator : JC/MD
 Sample : N4298-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Quant Time: Sep 03 00:48:52 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)

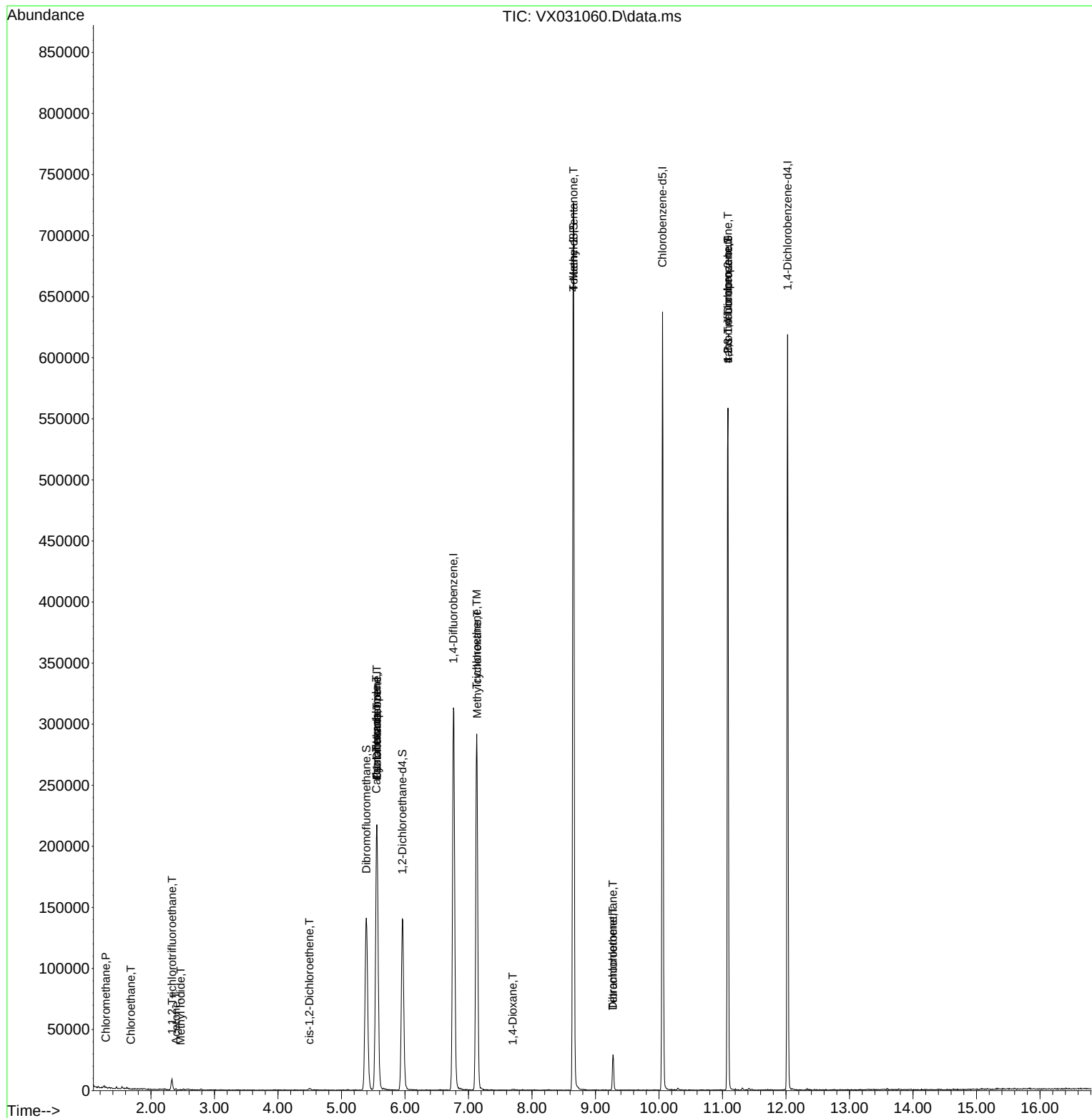
Internal Standards						
1) Pentafluorobenzene	5.556	168	224901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	356817	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	318522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	134705	46.550	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.100%
35) Dibromofluoromethane	5.391	113	130561	50.140	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.280%
50) Toluene-d8	8.653	98	472133	49.266	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.540%
62) 4-Bromofluorobenzene	11.086	95	158008	46.681	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.360%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	150	0.767	ug/l	97
6) Chloroethane	1.685	64	62	1.774	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	3119	1.153	ug/l	95
10) Methyl Iodide	2.465	142	330	3.027	ug/l #	89
11) Tert butyl alcohol	2.989	59	81	Below Cal	#	74
16) Acetone	2.392	43	628	0.562	ug/l #	81
20) Methylene Chloride	2.788	84	443	Below Cal	#	69
27) cis-1,2-Dichloroethene	4.495	96	1073	0.329	ug/l	85
31) Cyclohexane	5.556	56	3435	0.869	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	14815	4.062	ug/l #	45
38) Carbon Tetrachloride	5.550	117	20422	5.394	ug/l #	16
39) Methylcyclohexane	7.135	83	1368	0.303	ug/l #	1
44) Trichloroethene	7.129	130	123665	37.311	ug/l	100
49) 1,4-Dioxane	7.696	88	598	7.863	ug/l #	60
51) 4-Methyl-2-Pentanone	8.653	43	1462	0.459	ug/l #	1
60) Dibromochloromethane	9.275	129	5842	1.949	ug/l #	11
64) Tetrachloroethene	9.275	164	6002	1.887	ug/l	94
76) 1,2,3-Trichloropropane	11.086	75	71476	21.914	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.086	75	71476	68.870	ug/l #	12

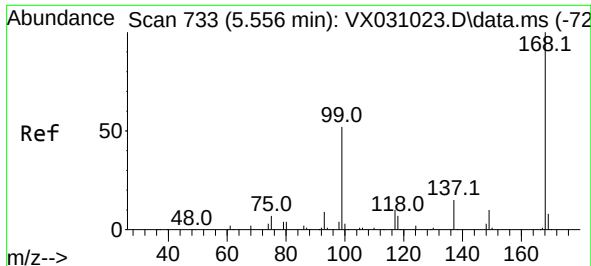
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 03 00:48:52 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

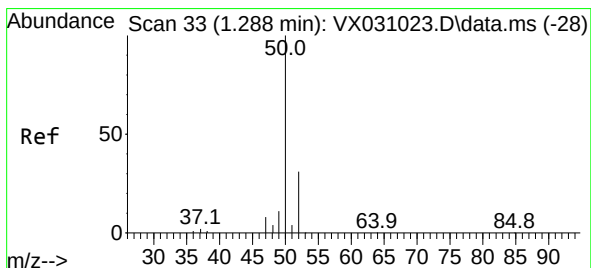
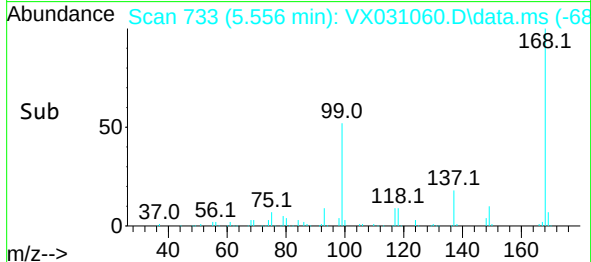
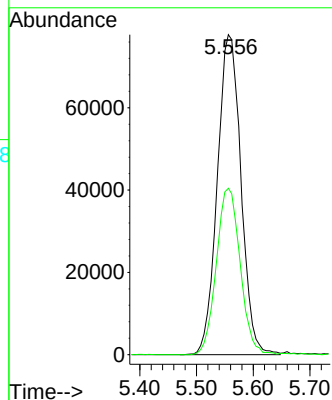
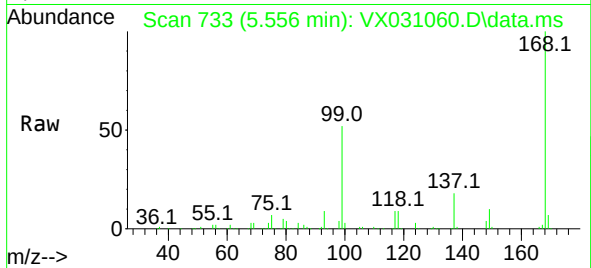




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX031060.D
Acq: 02 Sep 2022 12:31

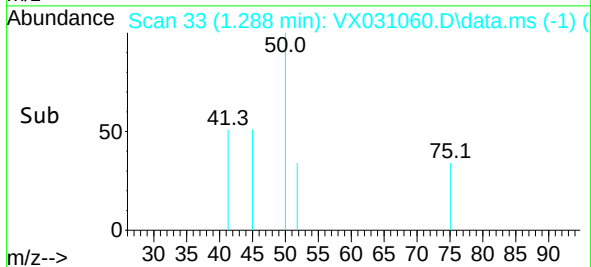
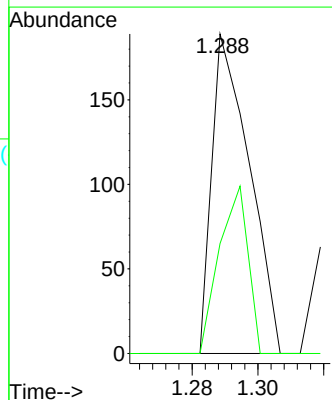
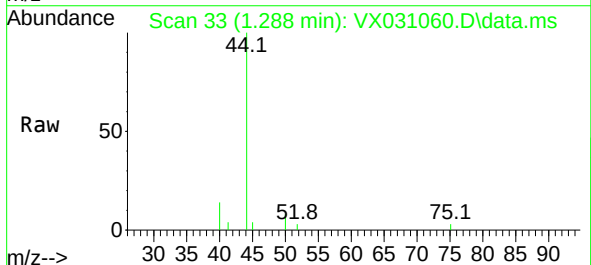
Instrument :
MSVOA_X
ClientSampleId :
MDL03

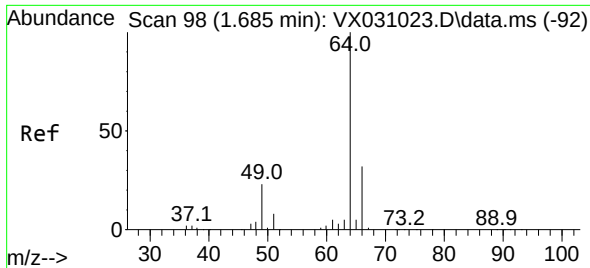
Tgt Ion:168 Resp: 224901
Ion Ratio Lower Upper
168 100
99 52.0 44.0 66.0



#3
Chloromethane
Concen: 0.767 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031060.D
Acq: 02 Sep 2022 12:31

Tgt Ion: 50 Resp: 150
Ion Ratio Lower Upper
50 100
52 34.4 26.3 39.5

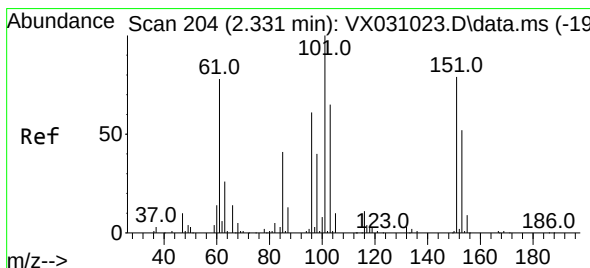
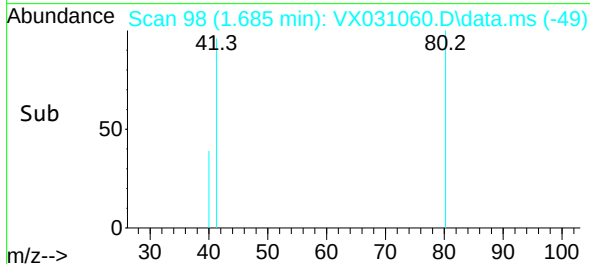
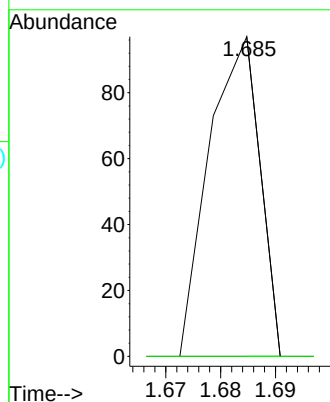
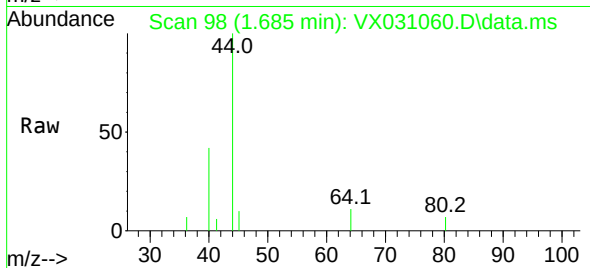




#6
 Chloroethane
 Concen: 1.774 ug/l
 RT: 1.685 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX031060.D
 Acq: 02 Sep 2022 12:31

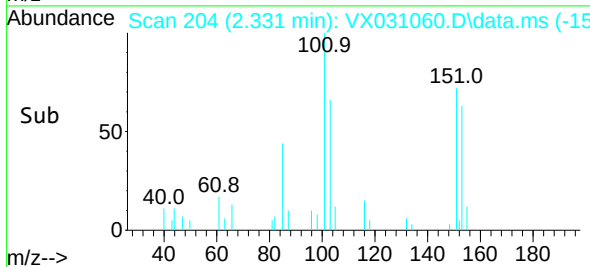
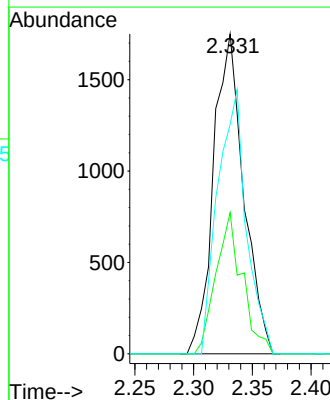
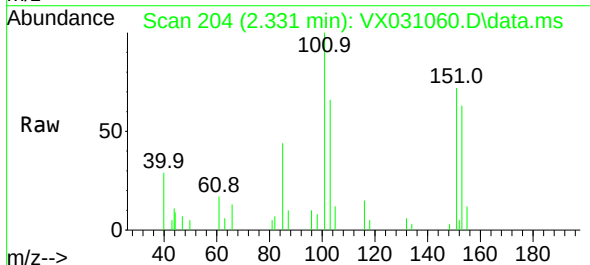
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

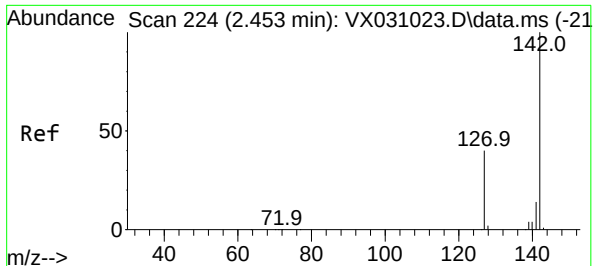
Tgt Ion: 64 Resp: 62
 Ion Ratio Lower Upper
 64 100
 66 0.0 27.2 40.8#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.153 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: VX031060.D
 Acq: 02 Sep 2022 12:31

Tgt Ion: 101 Resp: 3119
 Ion Ratio Lower Upper
 101 100
 85 38.6 34.0 51.0
 151 78.4 59.4 89.0

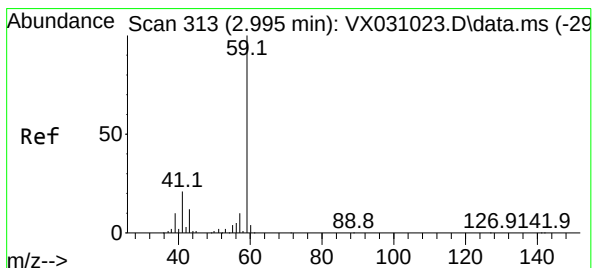
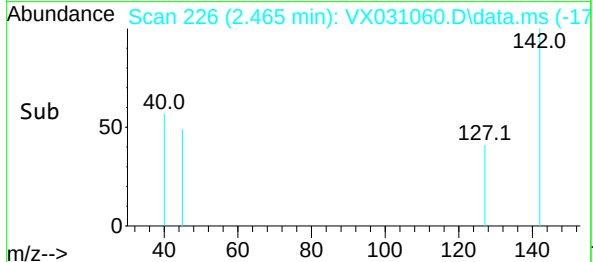
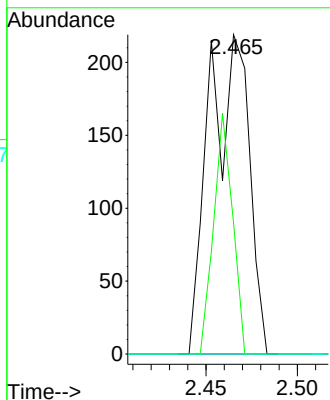
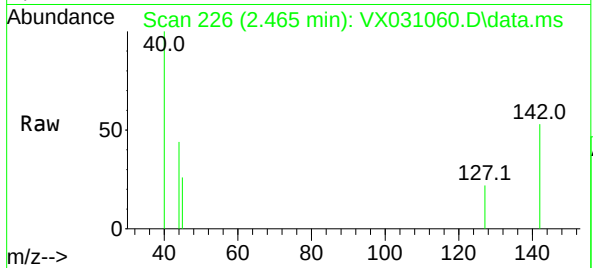




#10
Methyl Iodide
Concen: 3.027 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX031060.D
Acq: 02 Sep 2022 12:31

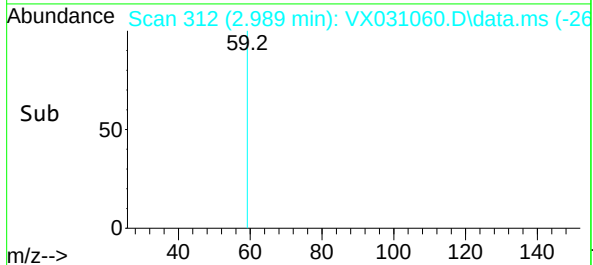
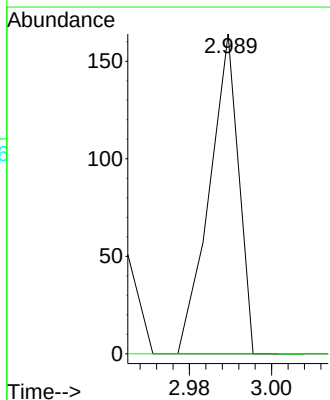
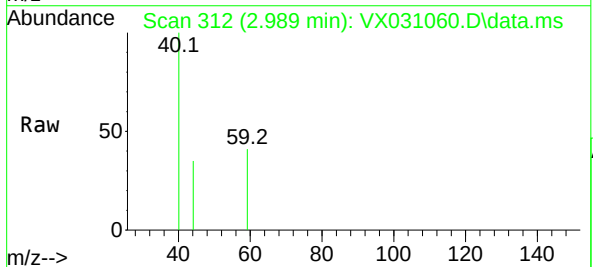
Instrument :
MSVOA_X
ClientSampleId :
MDL03

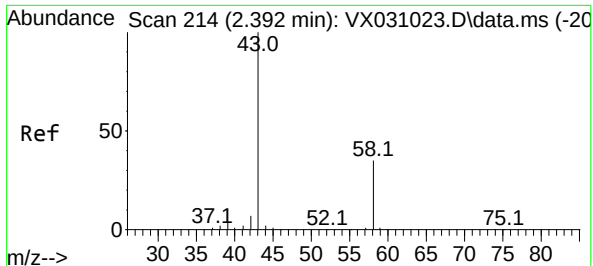
Tgt Ion:142 Resp: 330
Ion Ratio Lower Upper
142 100
127 36.1 30.2 45.2
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.989 min Scan# 312
Delta R.T. 0.000 min
Lab File: VX031060.D
Acq: 02 Sep 2022 12:31

Tgt Ion: 59 Resp: 81
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

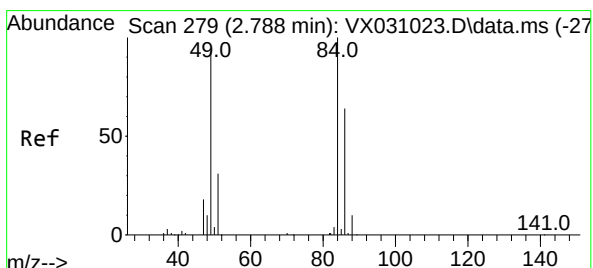
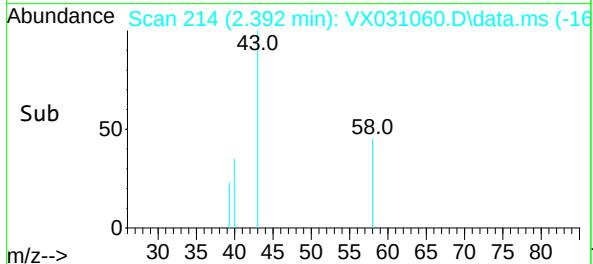
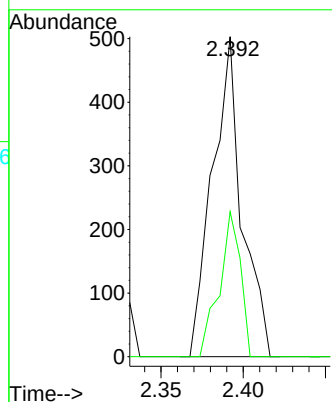
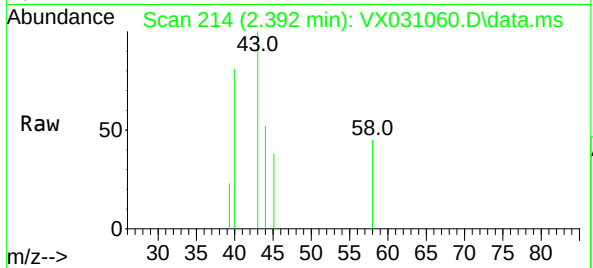




#16
Acetone
Concen: 0.562 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031060.D
Acq: 02 Sep 2022 12:31

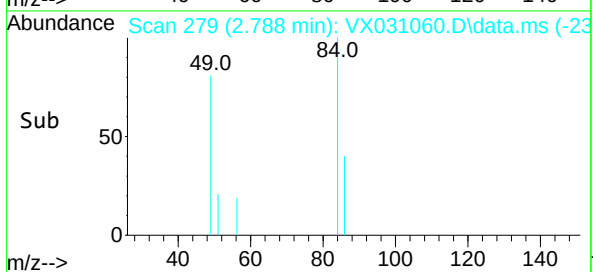
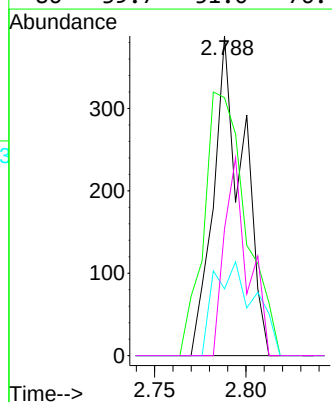
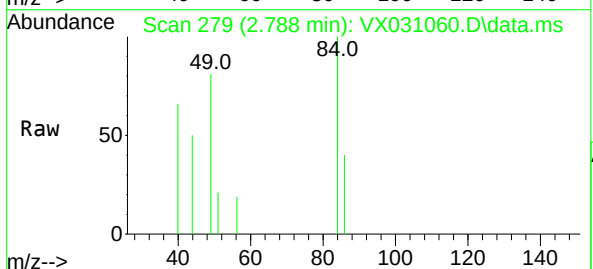
Instrument :
MSVOA_X
ClientSampleId :
MDL03

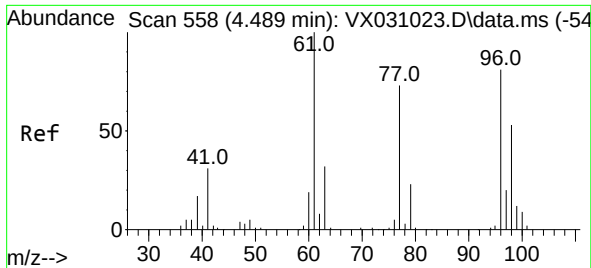
Tgt Ion: 43 Resp: 628
Ion Ratio Lower Upper
43 100
58 45.3 27.7 41.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031060.D
Acq: 02 Sep 2022 12:31

Tgt Ion: 84 Resp: 443
Ion Ratio Lower Upper
84 100
49 80.7 93.8 140.6#
51 20.9 29.4 44.0#
86 39.7 51.0 76.4#

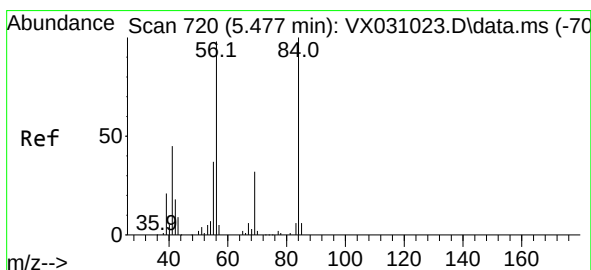
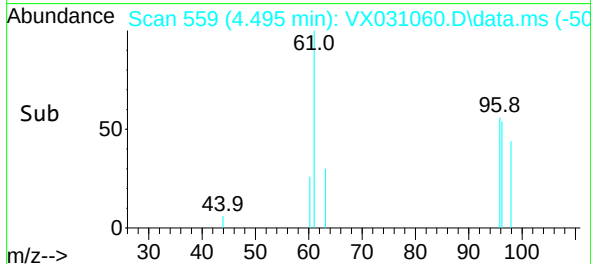
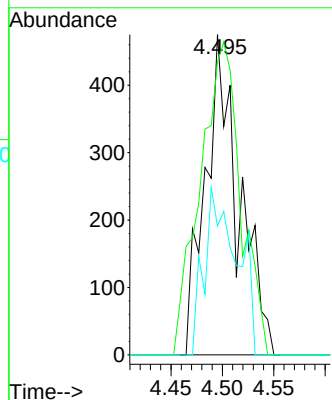
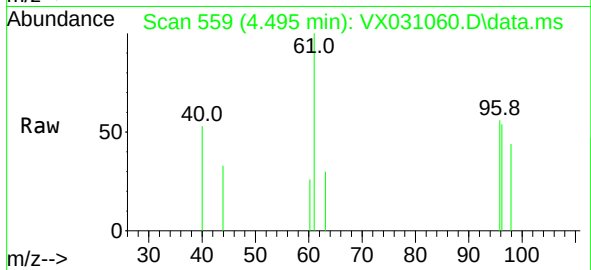




#27
 cis-1,2-Dichloroethene
 Concen: 0.329 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX031060.D
 Acq: 02 Sep 2022 12:31

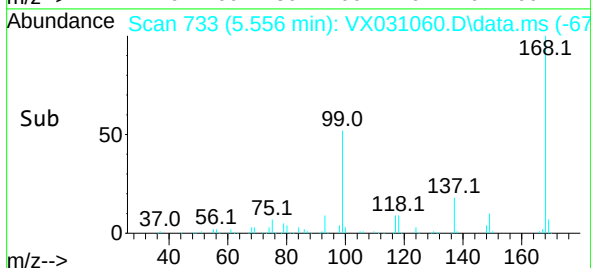
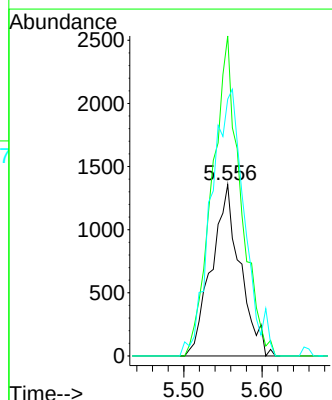
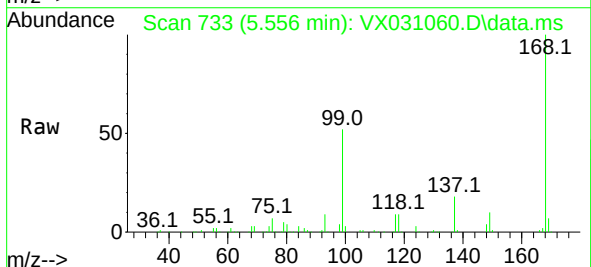
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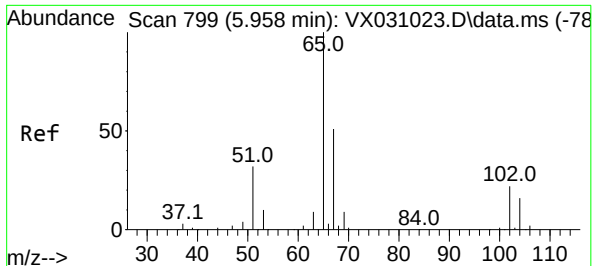
Tgt Ion: 96 Resp: 1073
 Ion Ratio Lower Upper
 96 100
 61 118.5 0.0 270.0
 98 50.8 0.0 127.8



#31
 Cyclohexane
 Concen: 0.869 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. 0.079 min
 Lab File: VX031060.D
 Acq: 02 Sep 2022 12:31

Tgt Ion: 56 Resp: 3435
 Ion Ratio Lower Upper
 56 100
 69 186.7 25.4 38.0#
 84 149.8 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 46.550 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031060.D

Acq: 02 Sep 2022 12:31

Instrument :

MSVOA_X

ClientSampleId :

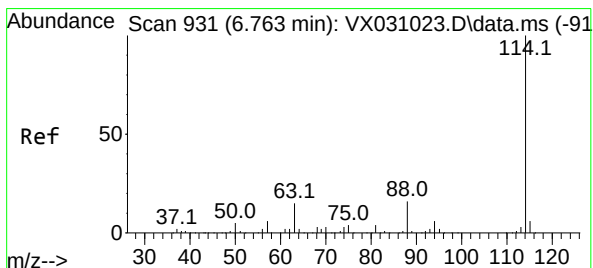
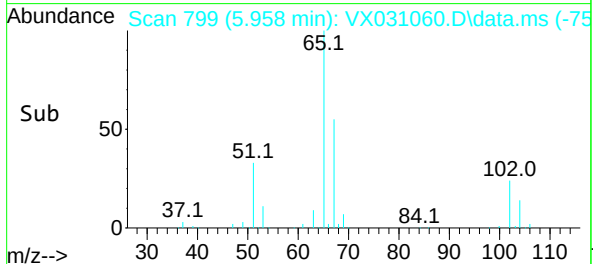
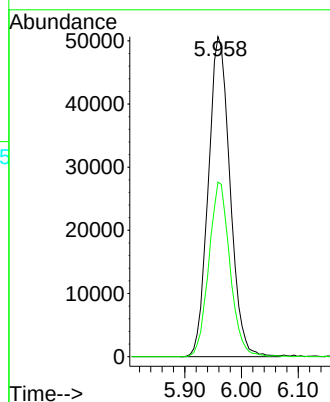
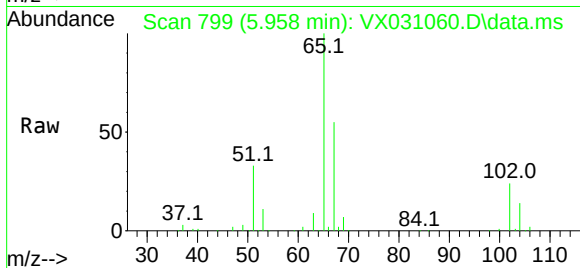
MDL03

Tgt Ion: 65 Resp: 134705

Ion Ratio Lower Upper

65 100

67 53.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX031060.D

Acq: 02 Sep 2022 12:31

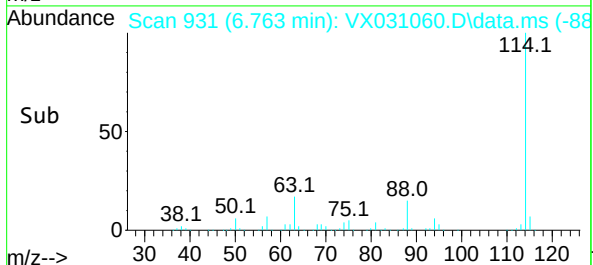
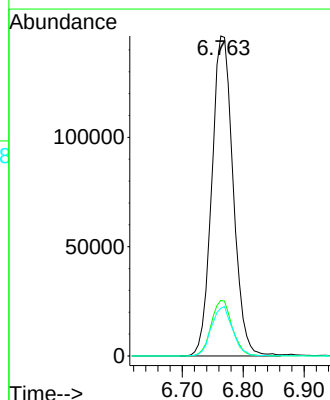
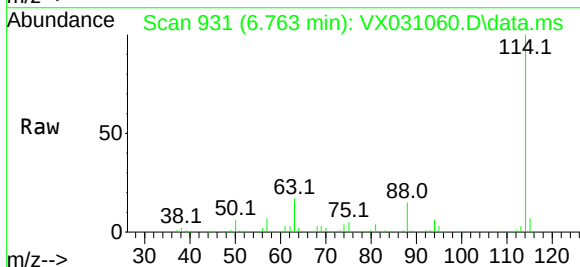
Tgt Ion: 114 Resp: 356817

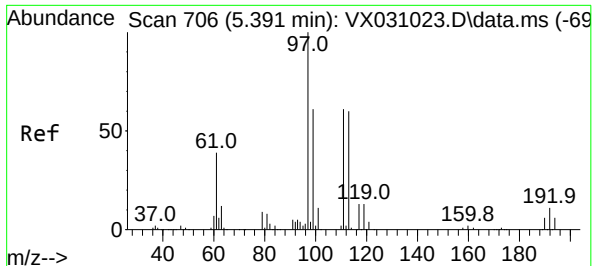
Ion Ratio Lower Upper

114 100

63 17.4 0.0 38.4

88 14.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.140 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX031060.D

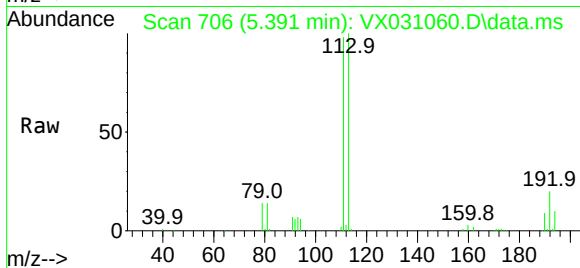
Acq: 02 Sep 2022 12:31

Instrument :

MSVOA_X

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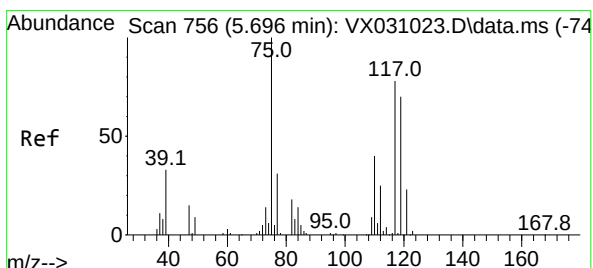
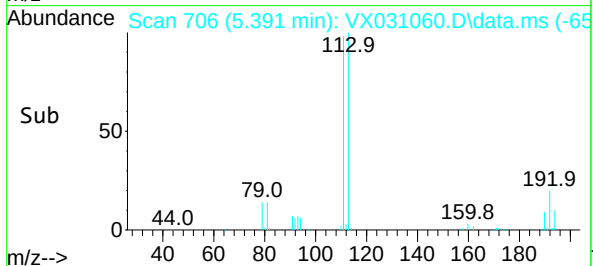
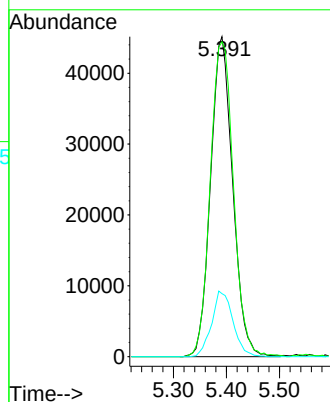
Tgt Ion:113 Resp: 130561

Ion Ratio Lower Upper

113 100

111 103.3 83.2 124.8

192 19.8 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.062 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX031060.D

Acq: 02 Sep 2022 12:31

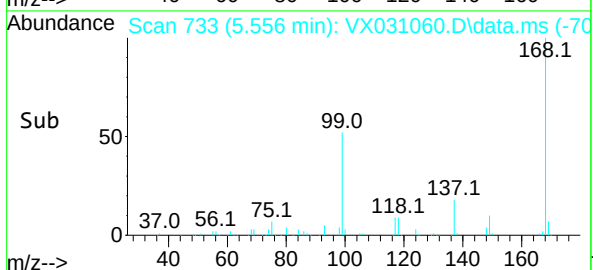
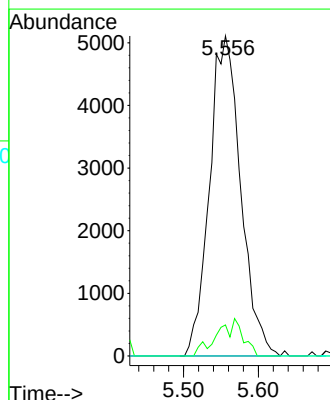
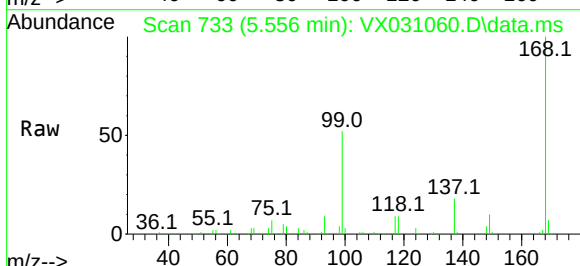
Tgt Ion: 75 Resp: 14815

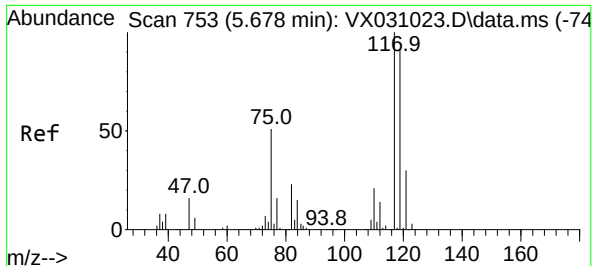
Ion Ratio Lower Upper

75 100

110 5.6 19.3 57.9#

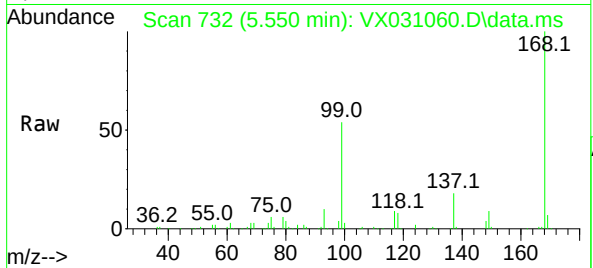
77 0.0 24.4 36.6#



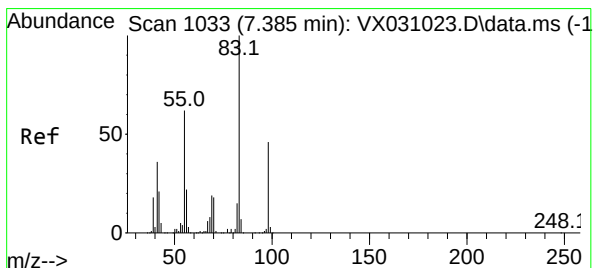
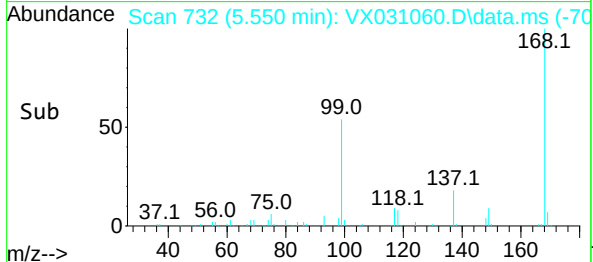
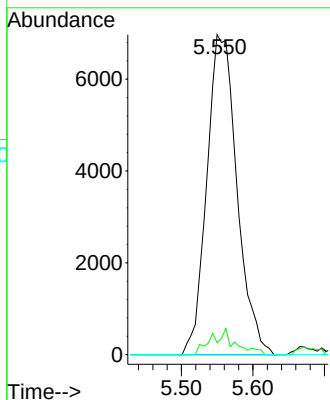


#38
Carbon Tetrachloride
Concen: 5.394 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX031060.D
Acq: 02 Sep 2022 12:31

Instrument :
MSVOA_X
ClientSampleId :
MDL03

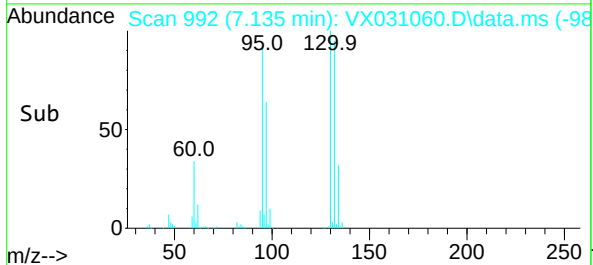
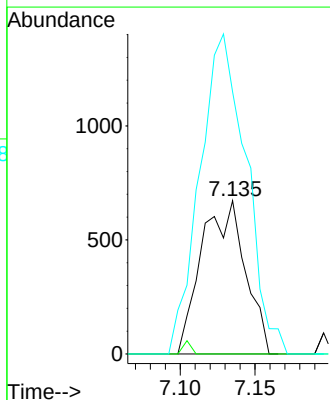
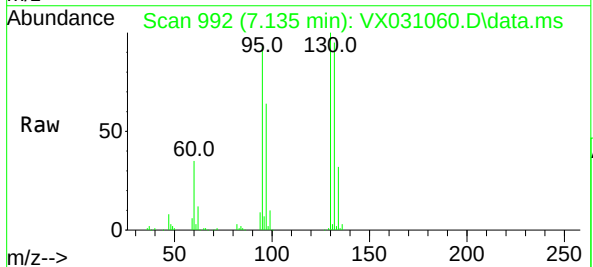


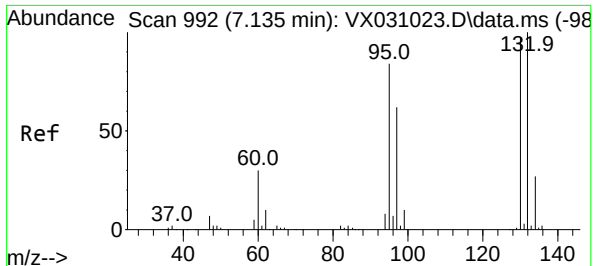
Tgt Ion:117 Resp: 20422
Ion Ratio Lower Upper
117 100
119 3.8 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 0.303 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX031060.D
Acq: 02 Sep 2022 12:31

Tgt Ion: 83 Resp: 1368
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 154.6 36.5 54.7#

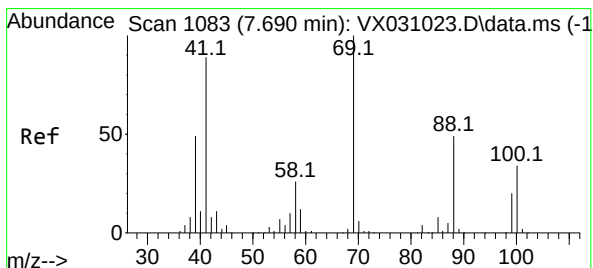
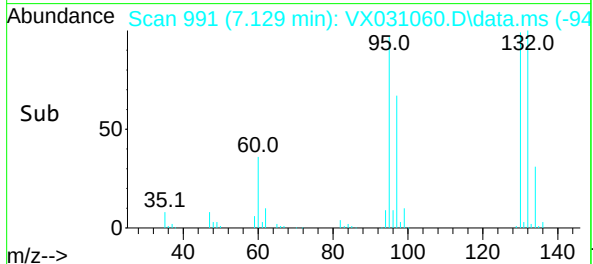
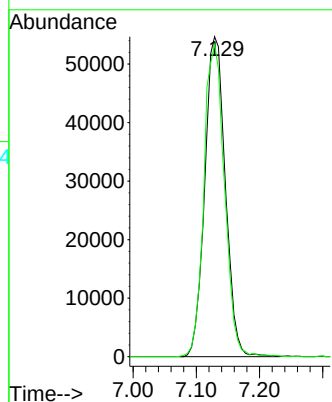
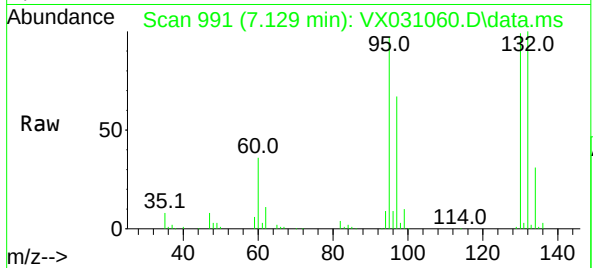




#44
 Trichloroethene
 Concen: 37.311 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. -0.000 min
 Lab File: VX031060.D
 Acq: 02 Sep 2022 12:31

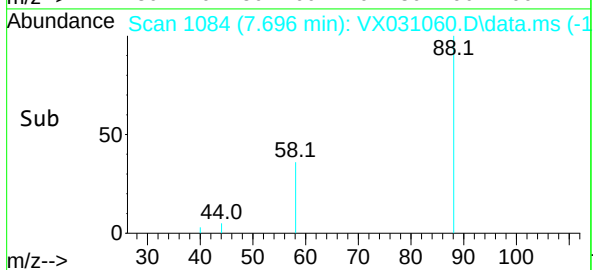
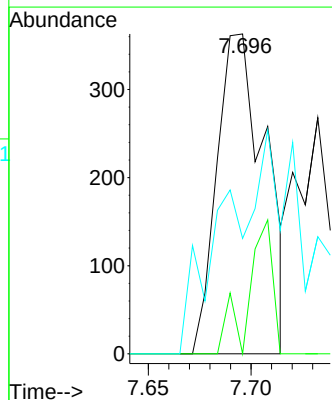
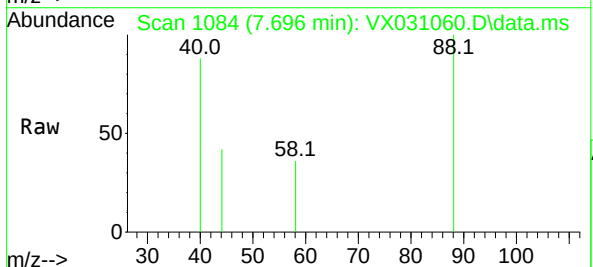
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

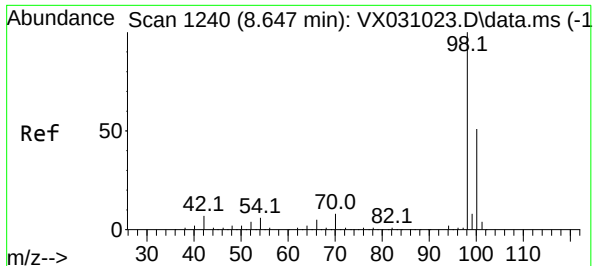
Tgt Ion:130 Resp: 123665
 Ion Ratio Lower Upper
 130 100
 95 97.4 0.0 194.8



#49
 1,4-Dioxane
 Concen: 7.863 ug/l
 RT: 7.696 min Scan# 1084
 Delta R.T. 0.019 min
 Lab File: VX031060.D
 Acq: 02 Sep 2022 12:31

Tgt Ion: 88 Resp: 598
 Ion Ratio Lower Upper
 88 100
 43 0.0 23.8 35.8#
 58 40.6 53.8 80.6#





#50

Toluene-d8

Concen: 49.266 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX031060.D

Acq: 02 Sep 2022 12:31

Instrument :

MSVOA_X

ClientSampleId :

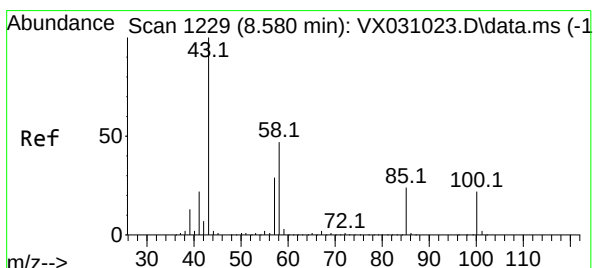
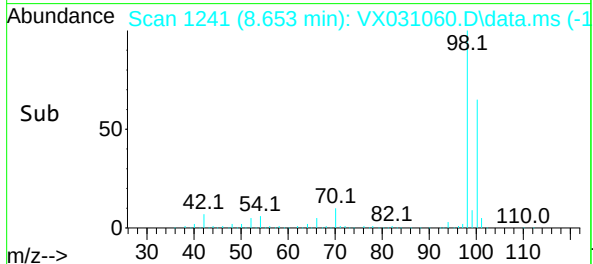
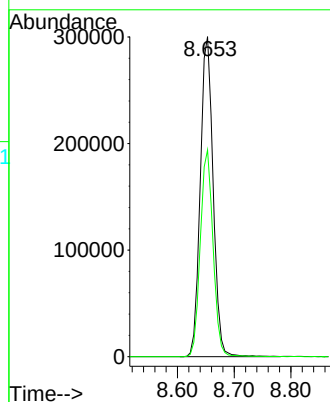
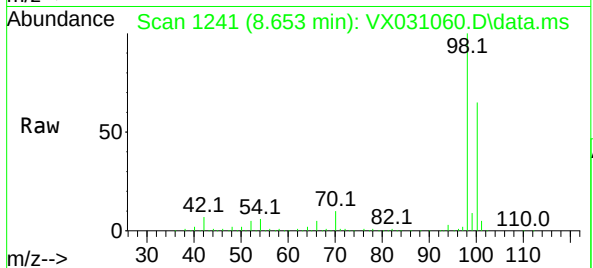
MDL03

Tgt Ion: 98 Resp: 472133

Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 0.459 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX031060.D

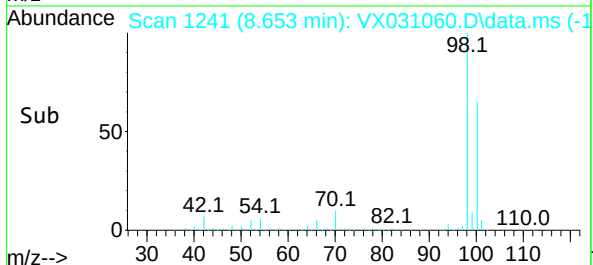
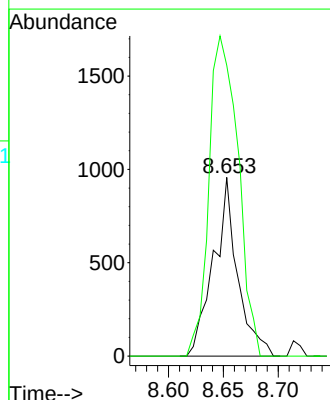
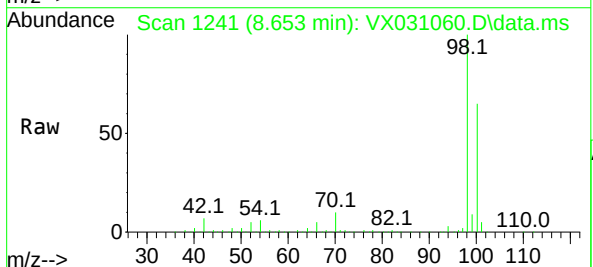
Acq: 02 Sep 2022 12:31

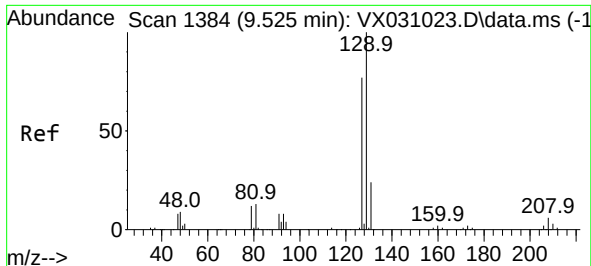
Tgt Ion: 43 Resp: 1462

Ion Ratio Lower Upper

43 100

58 216.8 31.4 47.2#





#60

Dibromochloromethane

Concen: 1.949 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX031060.D

Acq: 02 Sep 2022 12:31

Instrument :

MSVOA_X

ClientSampleId :

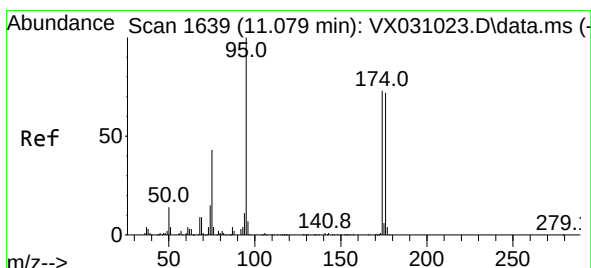
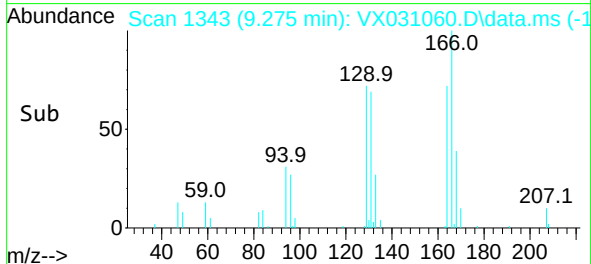
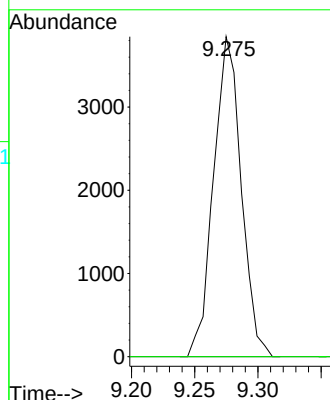
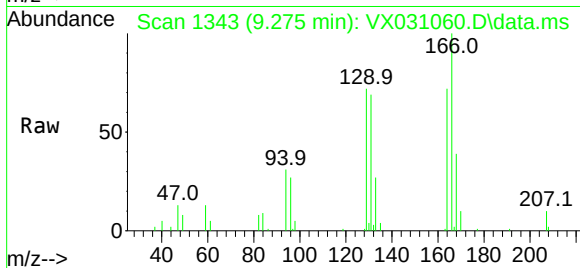
MDL03

Tgt Ion:129 Resp: 5842

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



#62

4-Bromofluorobenzene

Concen: 46.681 ug/l

RT: 11.086 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX031060.D

Acq: 02 Sep 2022 12:31

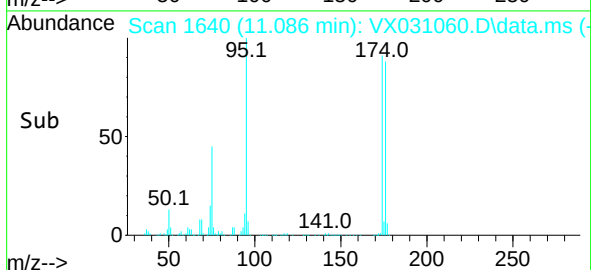
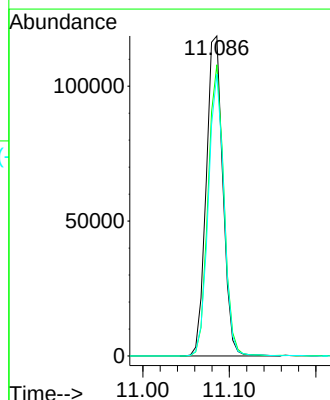
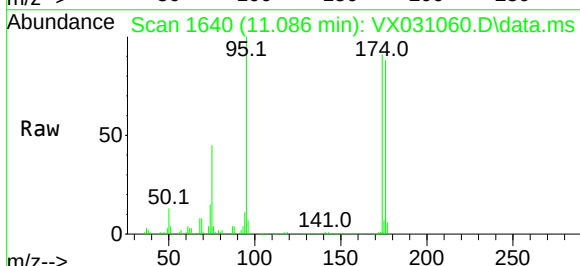
Tgt Ion: 95 Resp: 158008

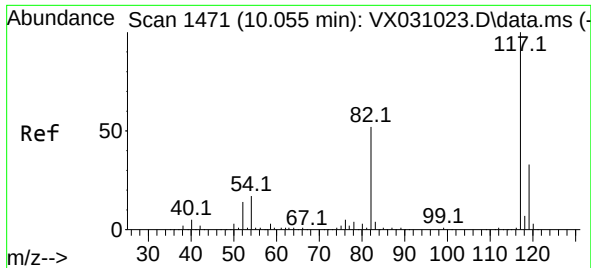
Ion Ratio Lower Upper

95 100

174 87.0 0.0 149.0

176 83.2 0.0 146.0

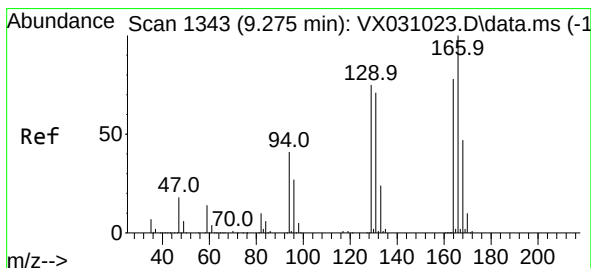
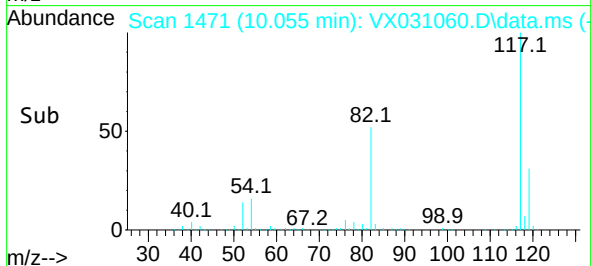
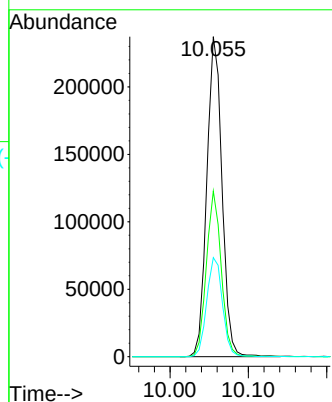
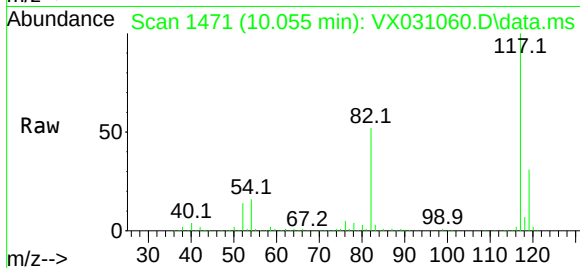




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031060.D
Acq: 02 Sep 2022 12:31

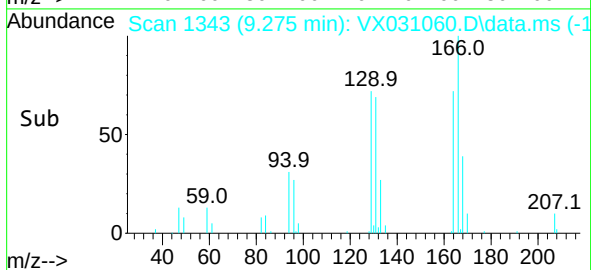
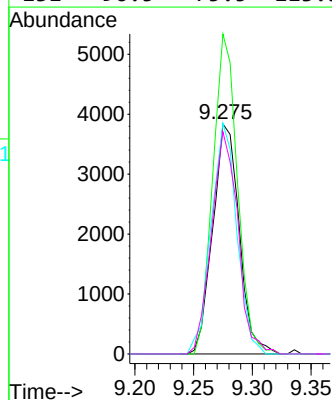
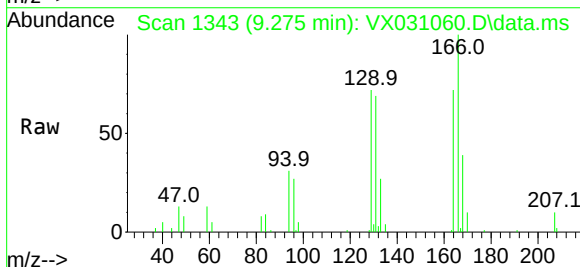
Instrument :
MSVOA_X
ClientSampleId :
MDL03

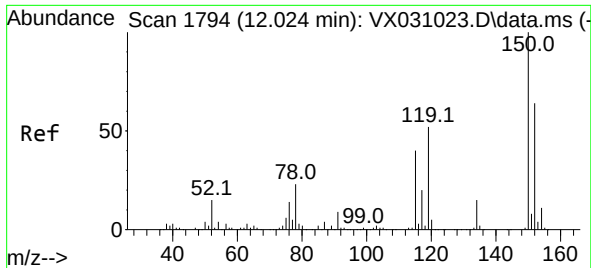
Tgt Ion:117 Resp: 318522
Ion Ratio Lower Upper
117 100
82 51.8 42.7 64.1
119 31.0 25.4 38.2



#64
Tetrachloroethene
Concen: 1.887 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX031060.D
Acq: 02 Sep 2022 12:31

Tgt Ion:164 Resp: 6002
Ion Ratio Lower Upper
164 100
166 139.1 98.2 147.4
129 100.2 80.8 121.2
131 96.5 75.5 113.3

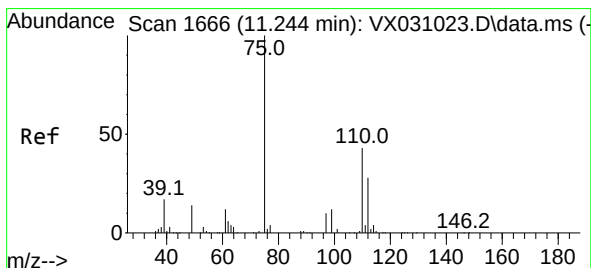
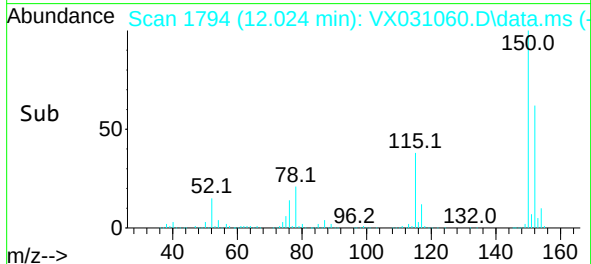
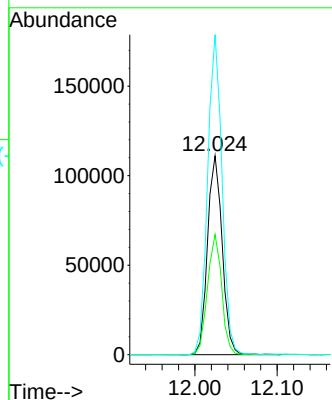
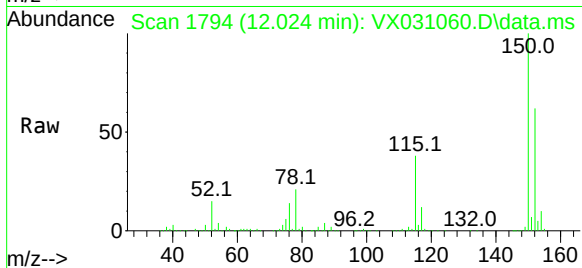




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031060.D
 Acq: 02 Sep 2022 12:31

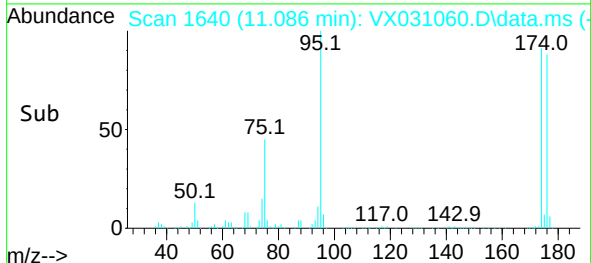
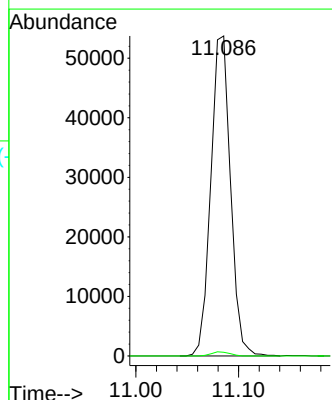
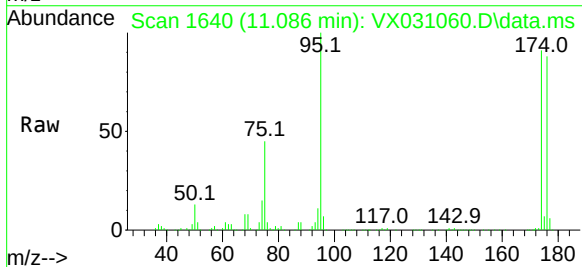
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

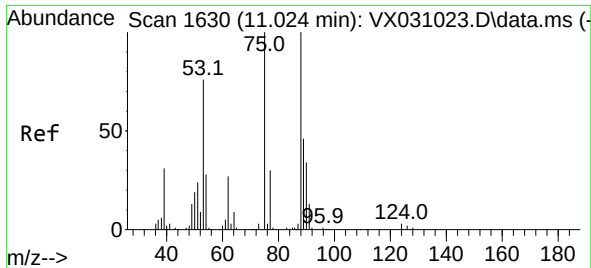
Tgt Ion:152 Resp: 137977
 Ion Ratio Lower Upper
 152 100
 115 58.3 40.5 121.5
 150 157.4 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 21.914 ug/l
 RT: 11.086 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX031060.D
 Acq: 02 Sep 2022 12:31

Tgt Ion: 75 Resp: 71476
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.870 ug/l
 RT: 11.086 min Scan# 1
 Delta R.T. 0.062 min
 Lab File: VX031060.D
 Acq: 02 Sep 2022 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Tgt Ion: 75 Resp: 71476
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

