

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021724\
 Data File : VX040298.D
 Acq On : 17 Feb 2024 13:38
 Operator : JC/MD
 Sample : P1507-14DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20240214DL

Quant Time: Feb 19 03:56:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

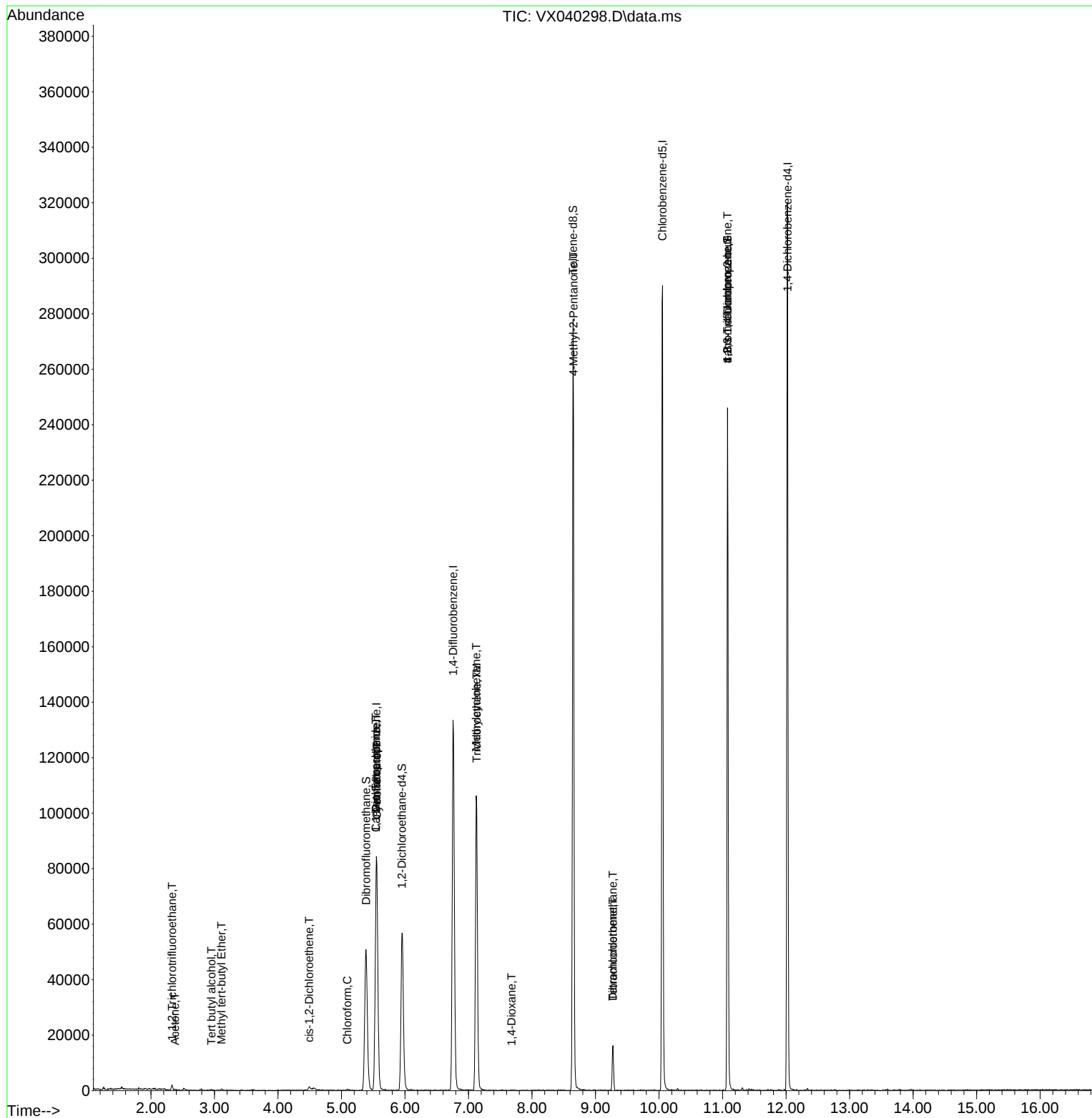
Internal Standards						
1) Pentafluorobenzene	5.550	168	78579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136074	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66925	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	54590	46.697	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.400%		
35) Dibromofluoromethane	5.385	113	44007	46.310	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.620%		
50) Toluene-d8	8.647	98	162270	45.650	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.300%#		
62) 4-Bromofluorobenzene	11.079	95	64152	44.251	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.500%		
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.331	101	718	0.862	ug/l #	91
11) Tert butyl alcohol	2.953	59	163	0.716	ug/l #	78
16) Acetone	2.380	43	332	0.691	ug/l #	47
19) Methyl tert-butyl Ether	3.111	73	696	0.246	ug/l #	54
20) Methylene Chloride	2.782	84	56	Below Cal	#	54
27) cis-1,2-Dichloroethene	4.489	96	875	0.839	ug/l	86
30) Chloroform	5.092	83	369	0.208	ug/l #	60
31) Cyclohexane	5.556	56	1827	1.310	ug/l #	4
36) 1,1-Dichloropropene	5.544	75	6466	4.857	ug/l #	42
38) Carbon Tetrachloride	5.544	117	7884	6.229	ug/l #	14
39) Methylcyclohexane	7.123	83	507	0.328	ug/l #	1
44) Trichloroethene	7.129	130	40304	39.251	ug/l	97
49) 1,4-Dioxane	7.677	88	19	0.738	ug/l #	71
51) 4-Methyl-2-Pentanone	8.653	43	778	0.493	ug/l #	1
60) Dibromochloromethane	9.275	129	2673	2.523	ug/l #	11
64) Tetrachloroethene	9.275	164	2875	3.138	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	34133	25.186	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	34133	69.253	ug/l #	5

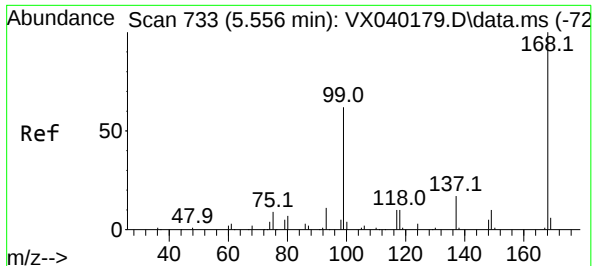
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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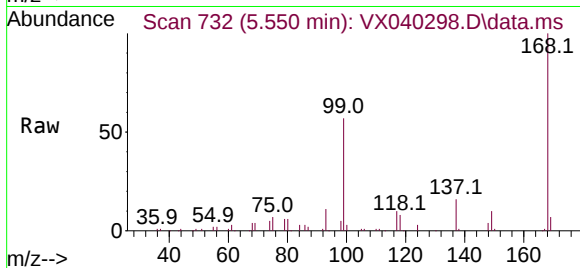
Quant Time: Feb 19 03:56:31 2024
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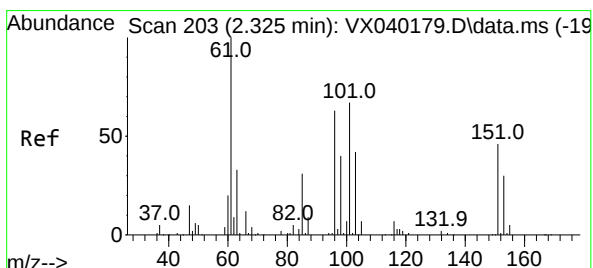
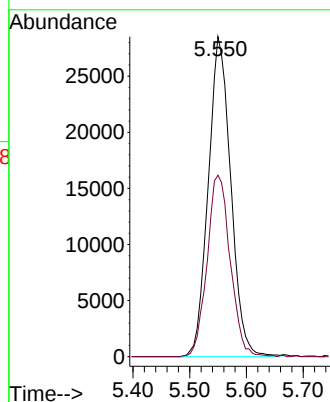
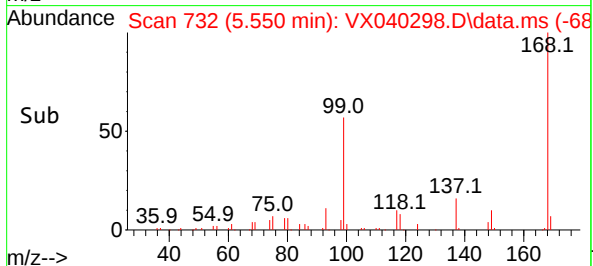


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20240214DL

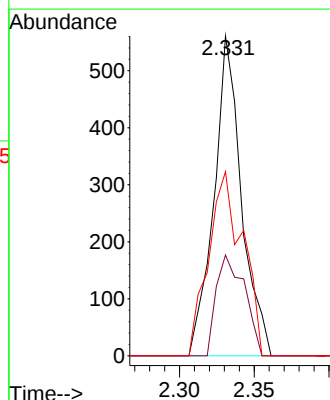
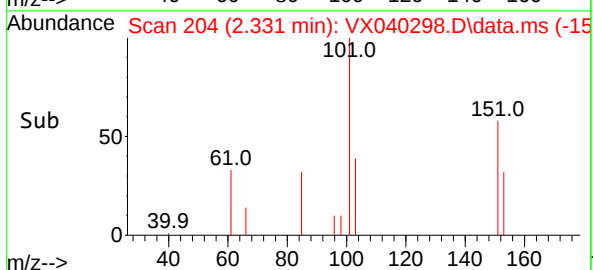
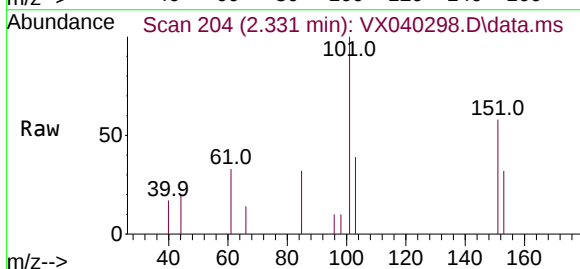


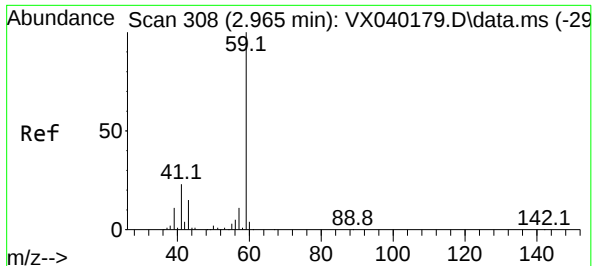
Tgt Ion:168 Resp: 78579
Ion Ratio Lower Upper
168 100
99 56.7 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.862 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

Tgt Ion:101 Resp: 718
Ion Ratio Lower Upper
101 100
85 32.3 37.0 55.6#
151 71.4 58.6 87.8





#11

Tert butyl alcohol

Concen: 0.716 ug/l

RT: 2.953 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX040298.D

Acq: 17 Feb 2024 13:38

Instrument :

MSVOA_X

ClientSampleId :

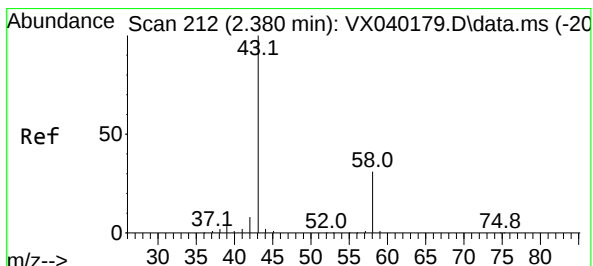
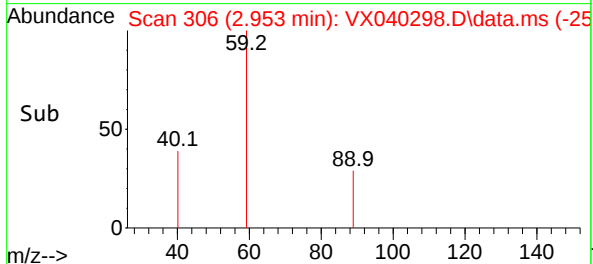
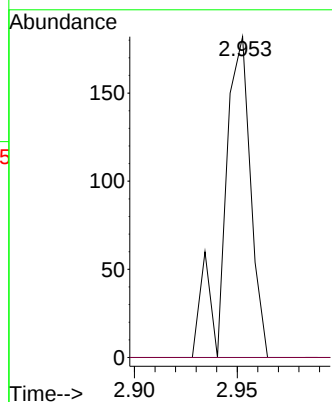
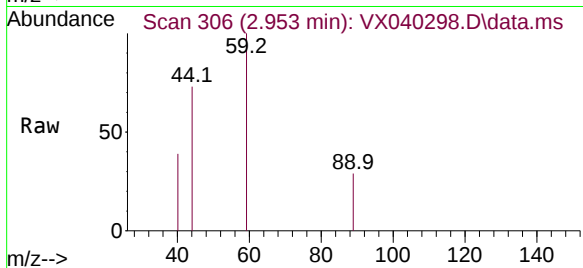
RE131D1-20240214DL

Tgt Ion: 59 Resp: 163

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 0.691 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX040298.D

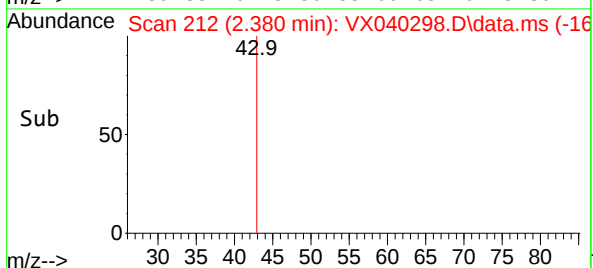
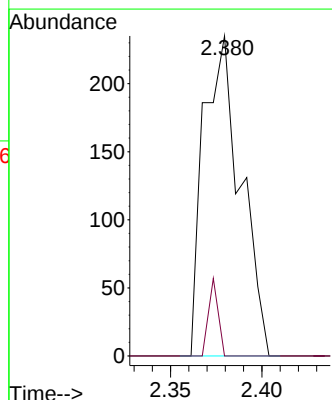
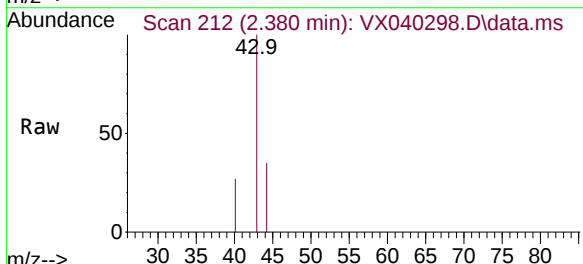
Acq: 17 Feb 2024 13:38

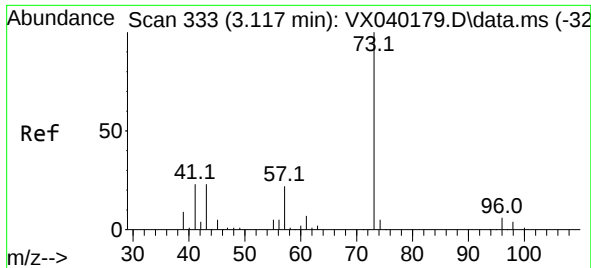
Tgt Ion: 43 Resp: 332

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#

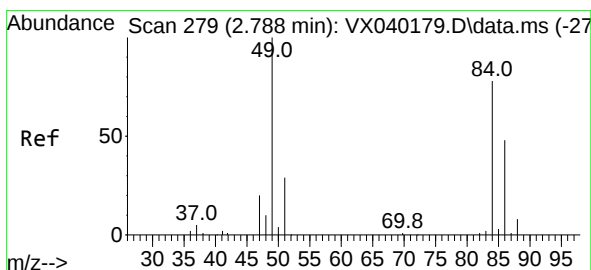
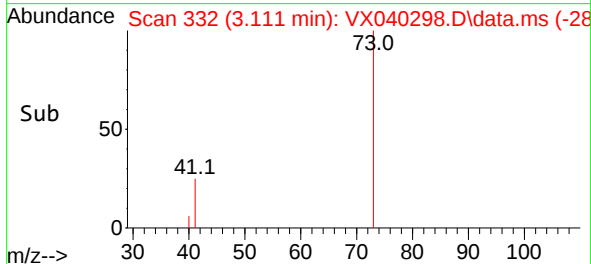
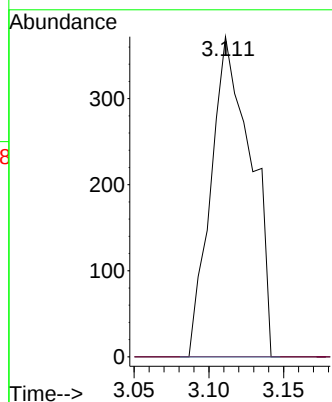
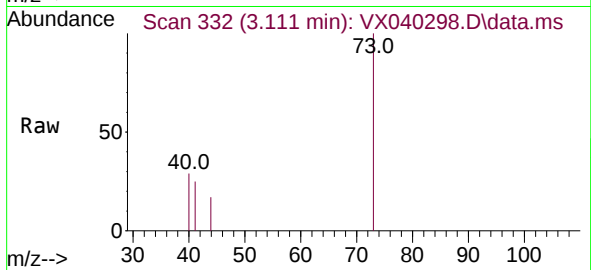




#19
Methyl tert-butyl Ether
Concen: 0.246 ug/l
RT: 3.111 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

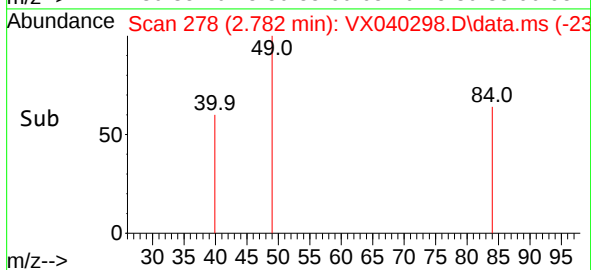
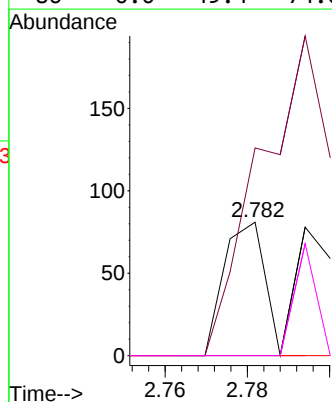
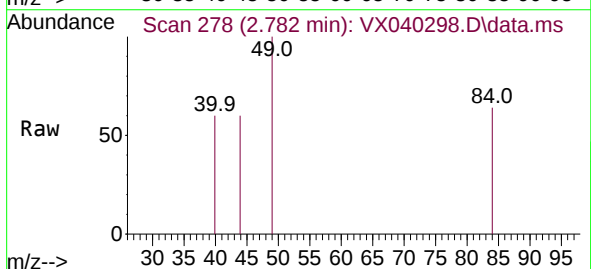
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20240214DL

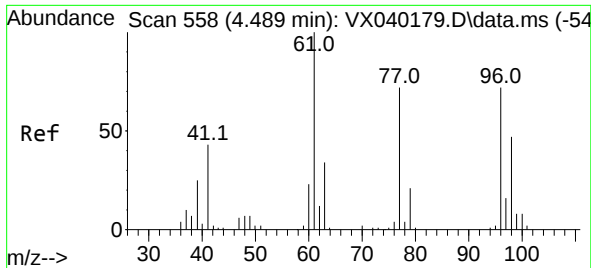
Tgt Ion: 73 Resp: 696
Ion Ratio Lower Upper
73 100
57 0.0 17.3 25.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

Tgt Ion: 84 Resp: 56
Ion Ratio Lower Upper
84 100
49 155.6 103.6 155.4#
51 0.0 33.8 50.6#
86 0.0 49.4 74.0#





#27

cis-1,2-Dichloroethene

Concen: 0.839 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX040298.D

Acq: 17 Feb 2024 13:38

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20240214DL

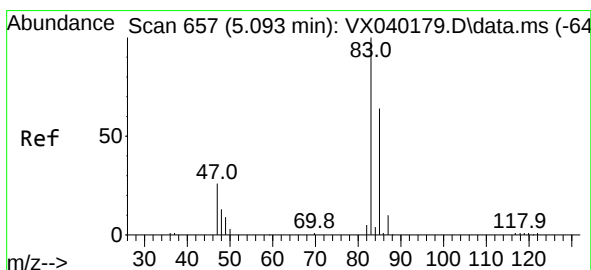
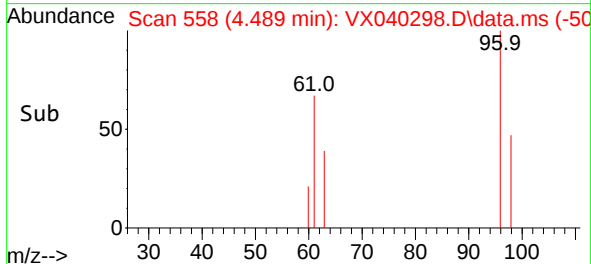
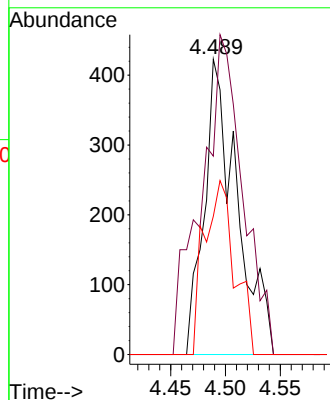
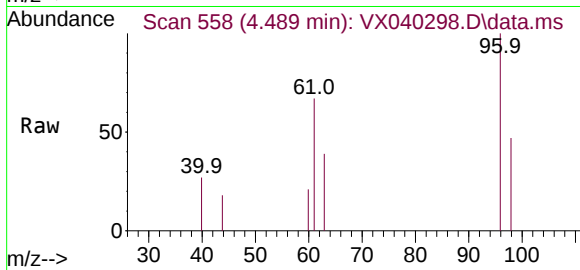
Tgt Ion: 96 Resp: 875

Ion Ratio Lower Upper

96 100

61 137.1 0.0 312.2

98 55.1 0.0 129.0



#30

Chloroform

Concen: 0.208 ug/l

RT: 5.092 min Scan# 657

Delta R.T. -0.006 min

Lab File: VX040298.D

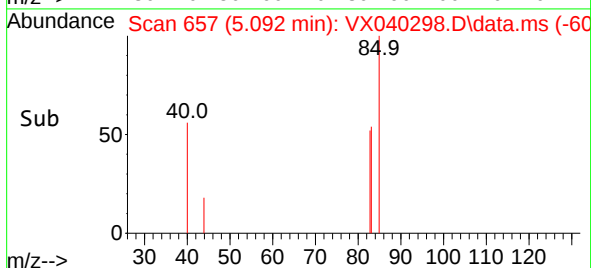
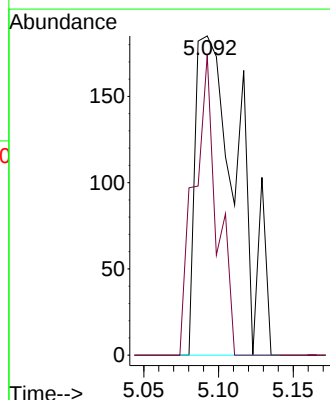
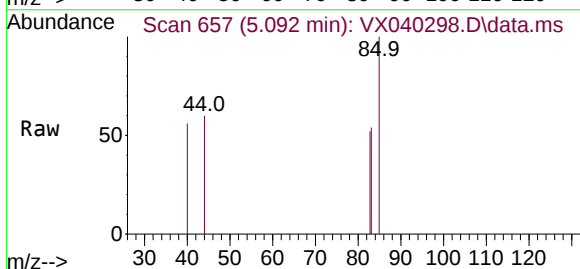
Acq: 17 Feb 2024 13:38

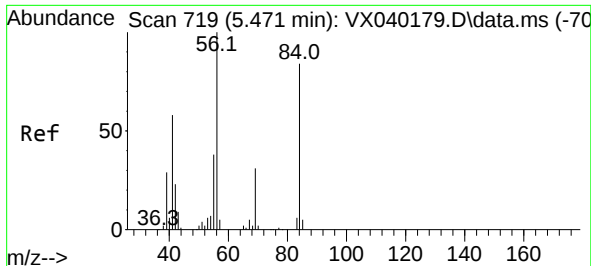
Tgt Ion: 83 Resp: 369

Ion Ratio Lower Upper

83 100

85 94.1 50.3 75.5#

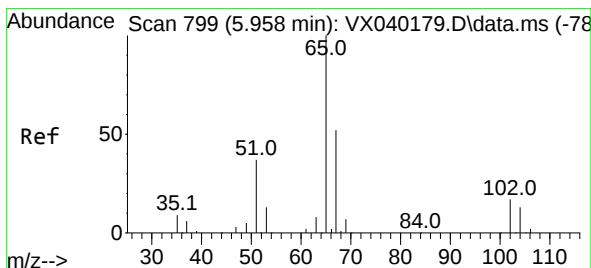
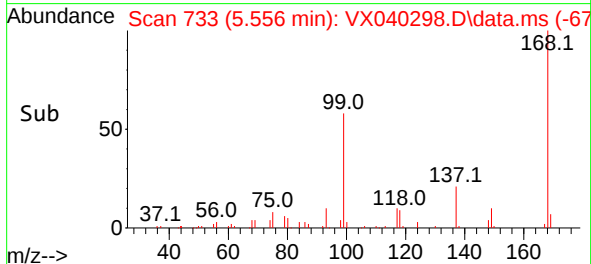
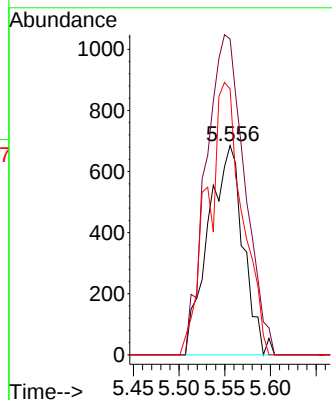
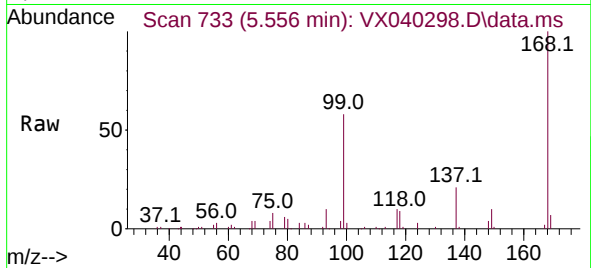




#31
Cyclohexane
Concen: 1.310 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

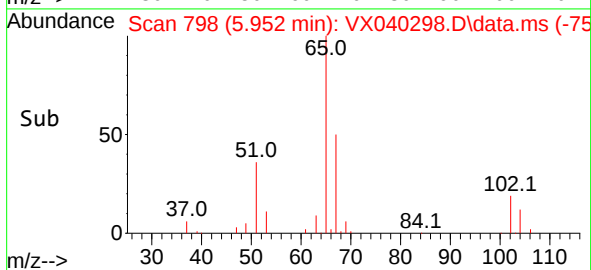
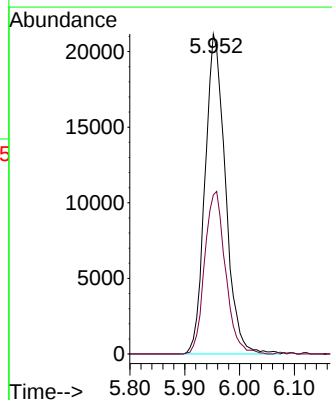
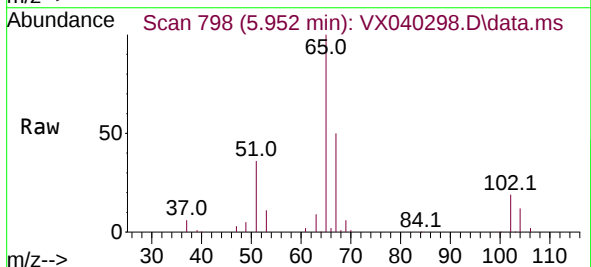
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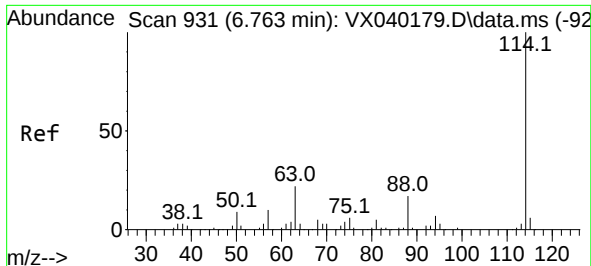
Tgt Ion: 56 Resp: 1827
Ion Ratio Lower Upper
56 100
69 150.9 23.4 35.2#
84 127.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.697 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

Tgt Ion: 65 Resp: 54590
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.2

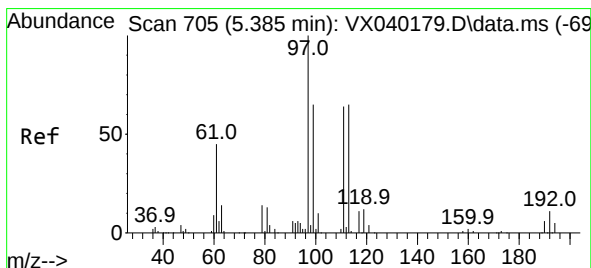
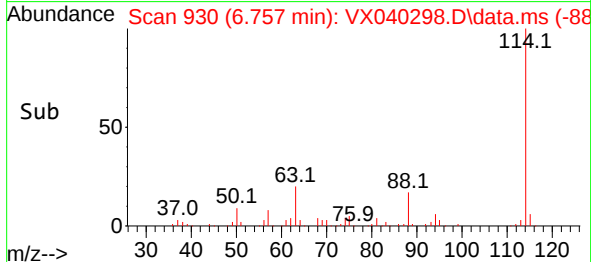
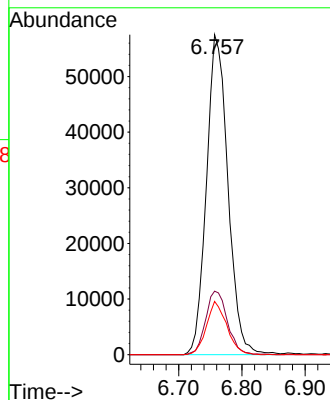
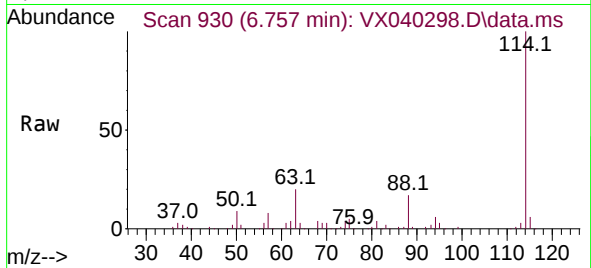




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

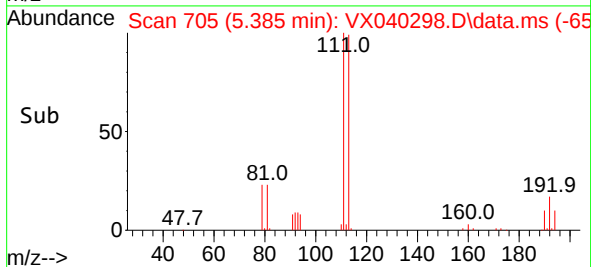
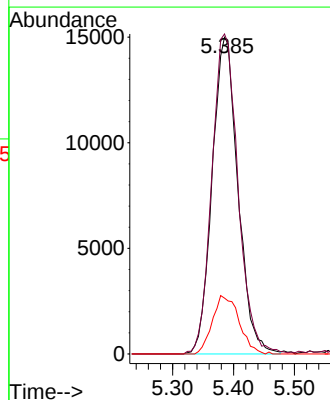
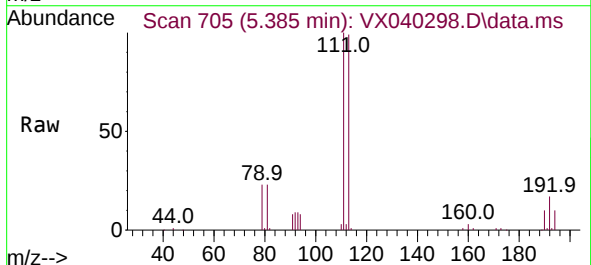
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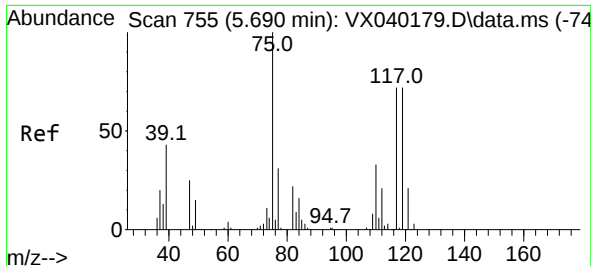
Tgt Ion:114 Resp: 136074
Ion Ratio Lower Upper
114 100
63 19.8 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.310 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

Tgt Ion:113 Resp: 44007
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 19.0 13.3 19.9

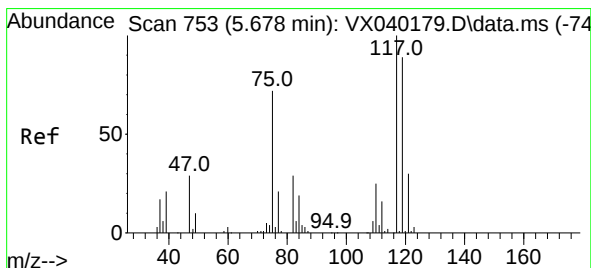
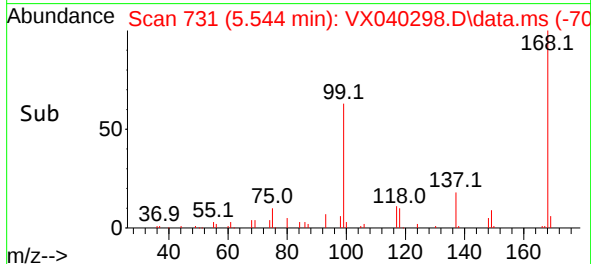
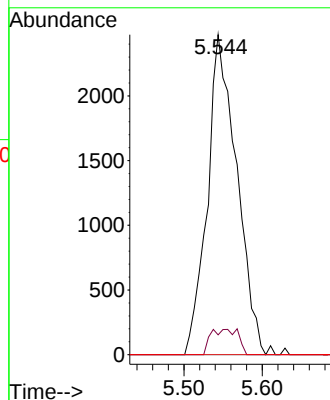
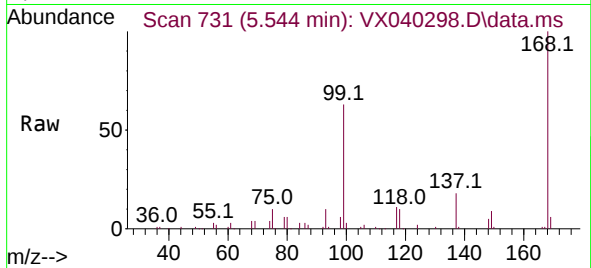




#36
1,1-Dichloropropene
Concen: 4.857 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.152 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

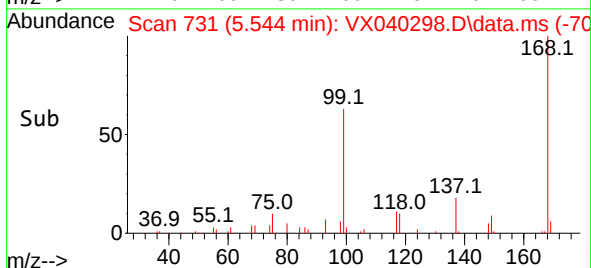
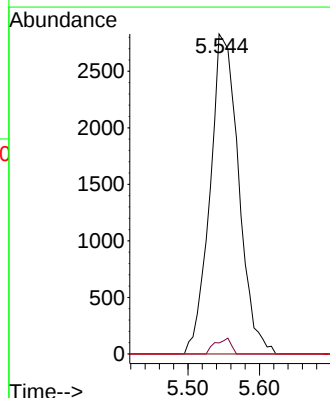
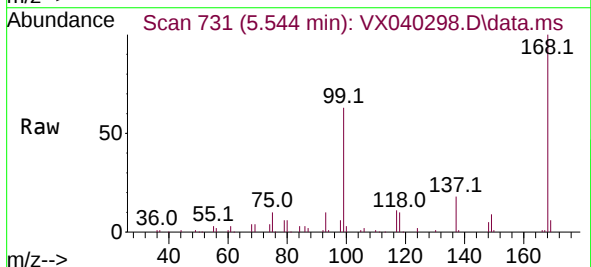
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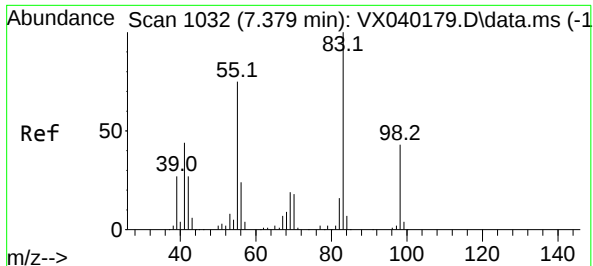
Tgt Ion: 75 Resp: 6466
Ion Ratio Lower Upper
75 100
110 0.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.229 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

Tgt Ion: 117 Resp: 7884
Ion Ratio Lower Upper
117 100
119 3.5 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.328 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.256 min

Lab File: VX040298.D

Acq: 17 Feb 2024 13:38

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20240214DL

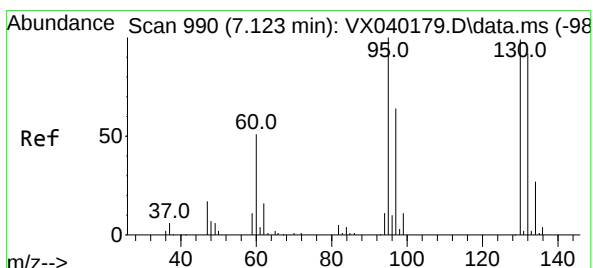
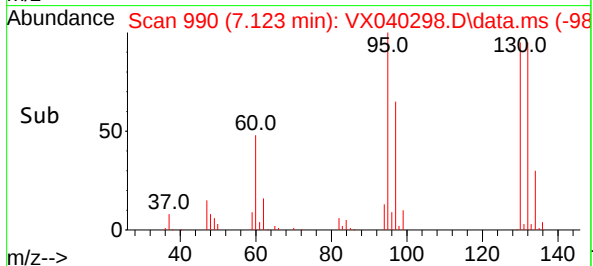
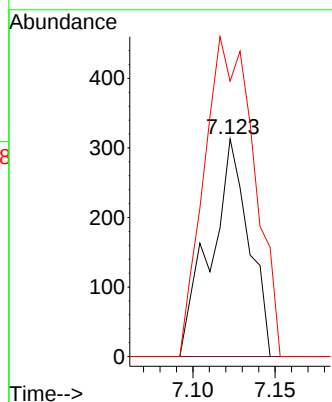
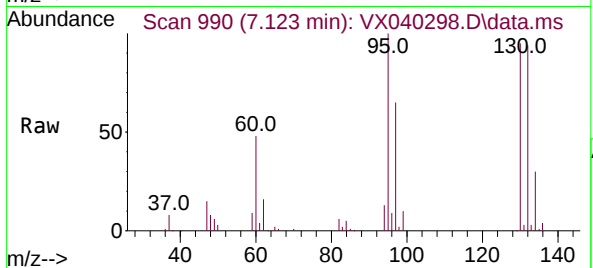
Tgt Ion: 83 Resp: 507

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 126.5 36.7 55.1#



#44

Trichloroethene

Concen: 39.251 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX040298.D

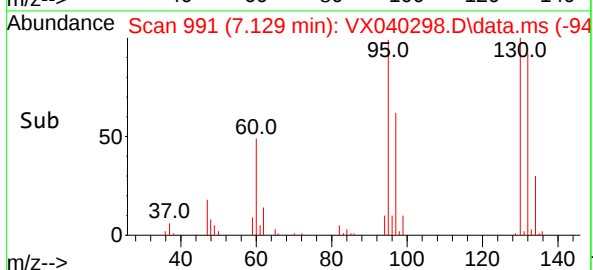
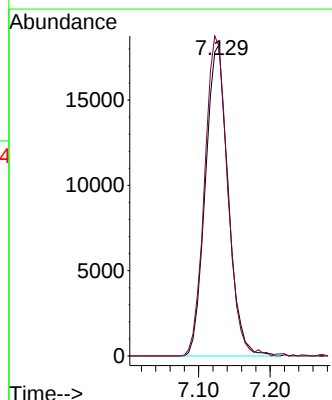
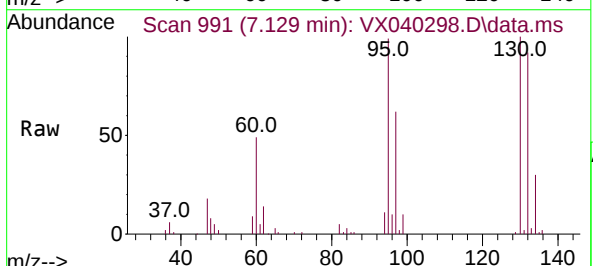
Acq: 17 Feb 2024 13:38

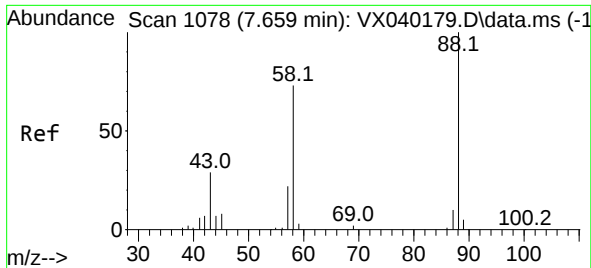
Tgt Ion:130 Resp: 40304

Ion Ratio Lower Upper

130 100

95 99.3 0.0 204.4

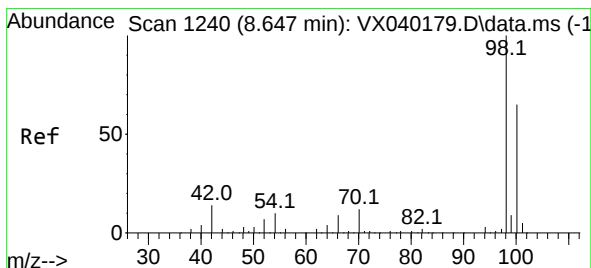
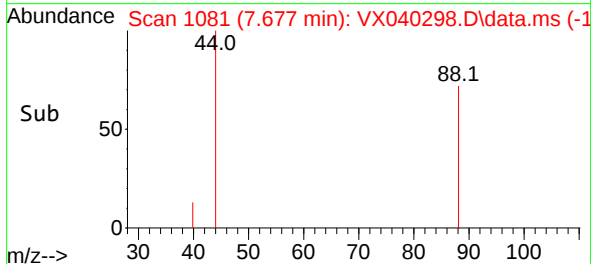
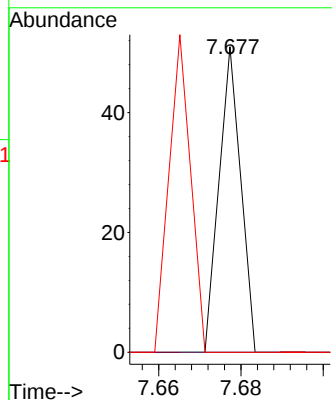
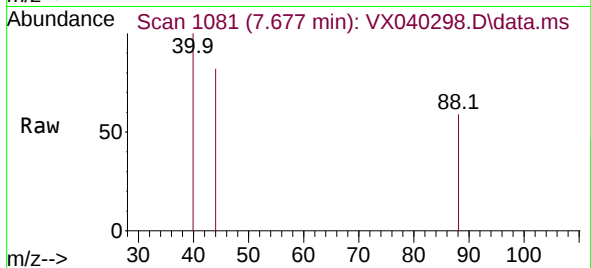




#49
1,4-Dioxane
Concen: 0.738 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

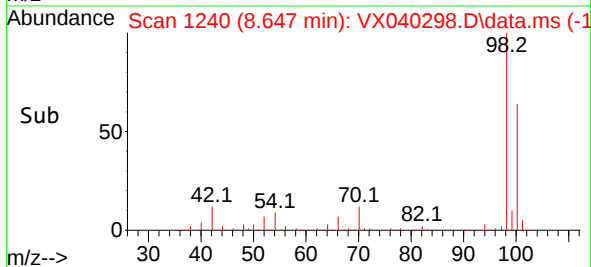
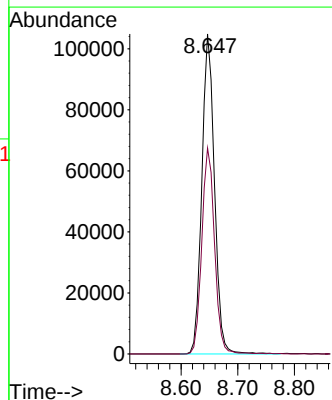
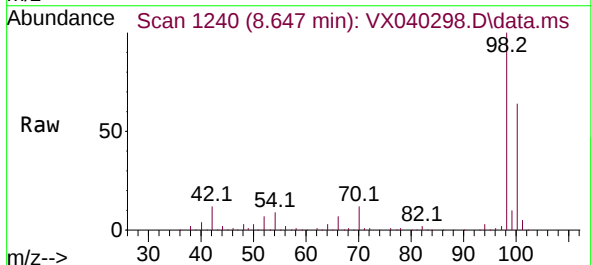
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20240214DL

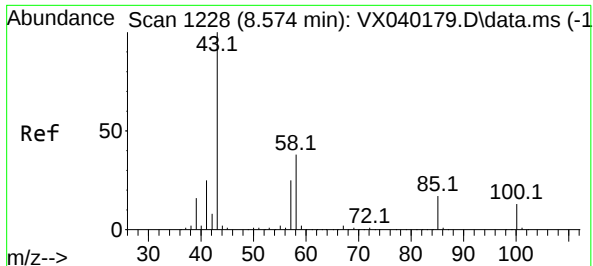
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 100.0 60.1 90.1#



#50
Toluene-d8
Concen: 45.650 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

Tgt Ion: 98 Resp: 162270
Ion Ratio Lower Upper
98 100
100 65.1 53.1 79.7

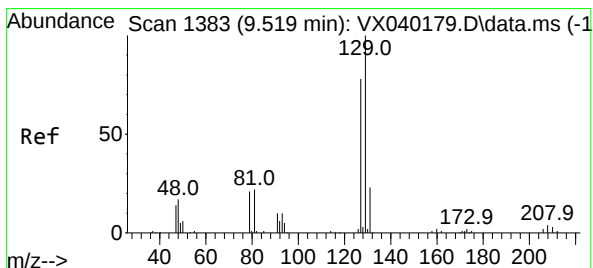
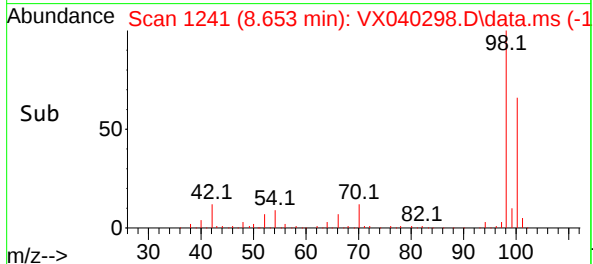
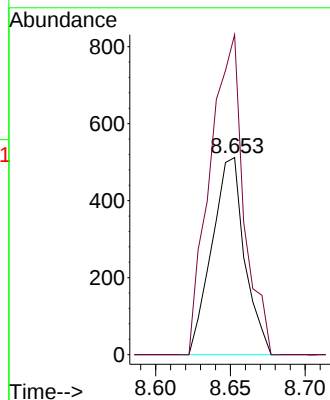
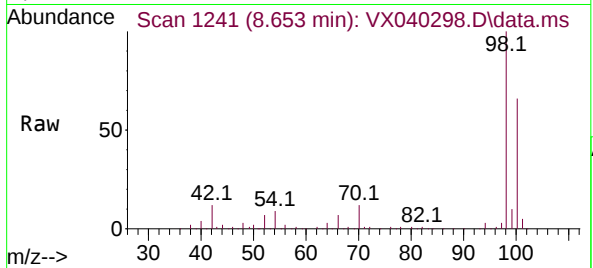




#51
4-Methyl-2-Pentanone
Concen: 0.493 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

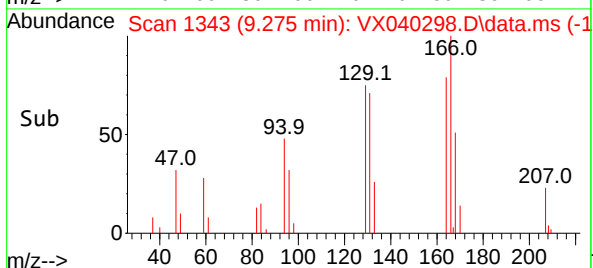
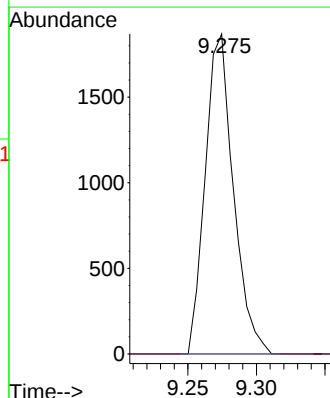
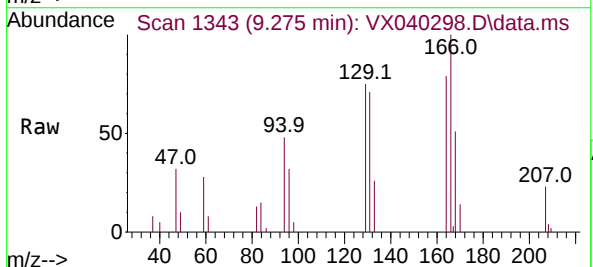
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20240214DL

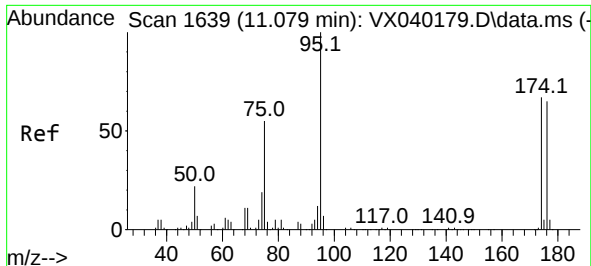
Tgt Ion: 43 Resp: 778
Ion Ratio Lower Upper
43 100
58 167.9 30.4 45.6#



#60
Dibromochloromethane
Concen: 2.523 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

Tgt Ion: 129 Resp: 2673
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#





#62

4-Bromofluorobenzene

Concen: 44.251 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX040298.D

Acq: 17 Feb 2024 13:38

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20240214DL

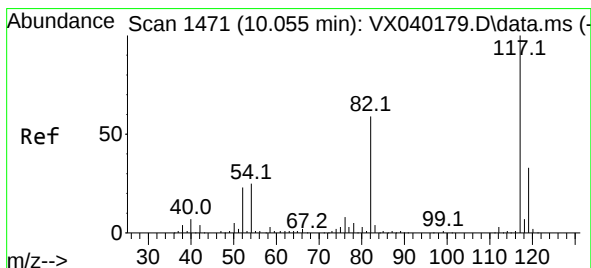
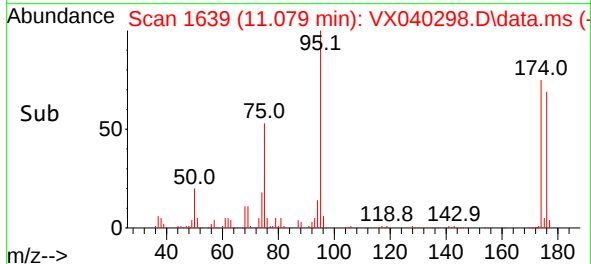
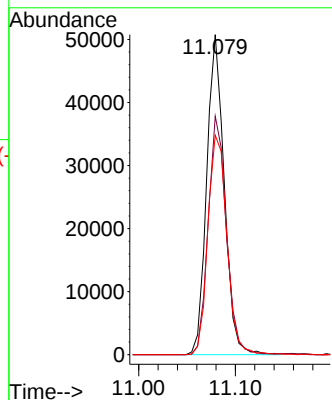
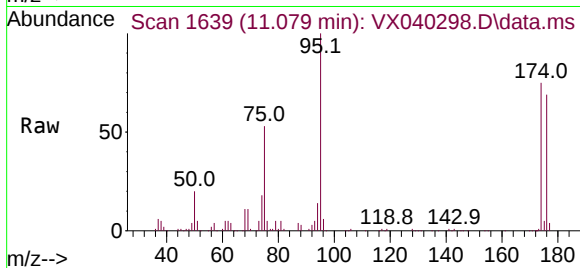
Tgt Ion: 95 Resp: 64152

Ion Ratio Lower Upper

95 100

174 76.7 0.0 135.6

176 74.3 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX040298.D

Acq: 17 Feb 2024 13:38

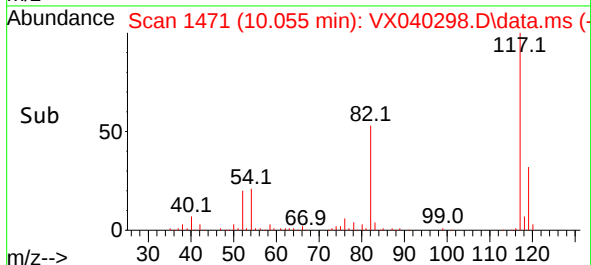
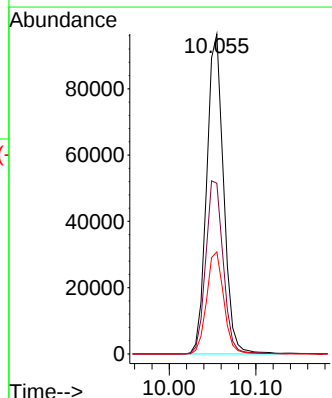
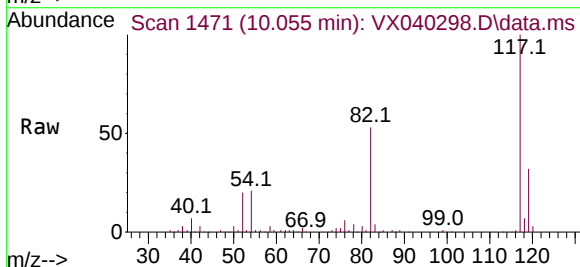
Tgt Ion: 117 Resp: 130754

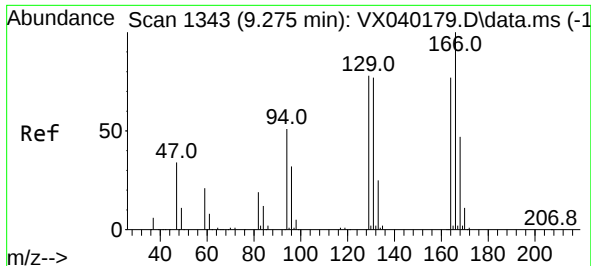
Ion Ratio Lower Upper

117 100

82 53.4 46.2 69.4

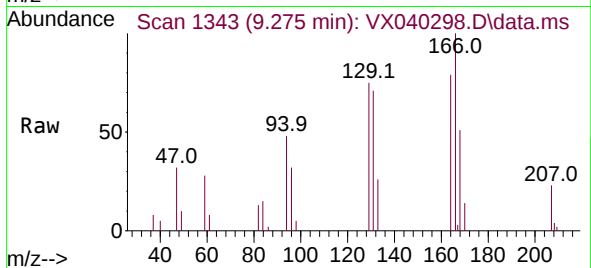
119 31.9 25.5 38.3





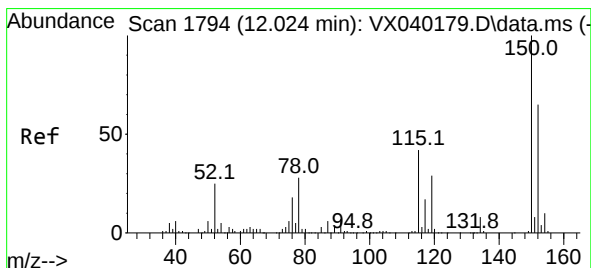
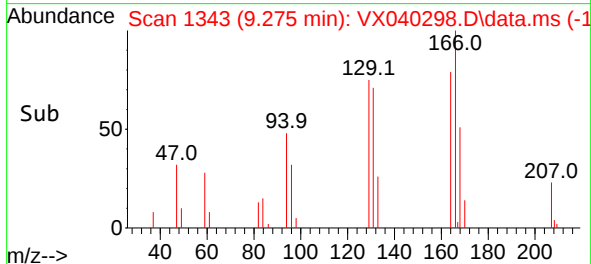
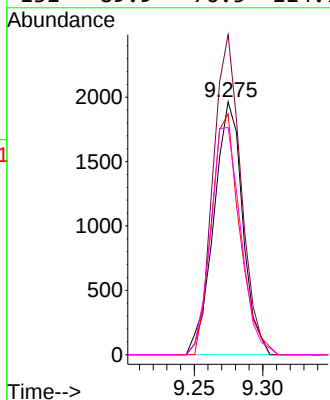
#64
Tetrachloroethene
Concen: 3.138 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20240214DL



Tgt Ion:164 Resp: 2875

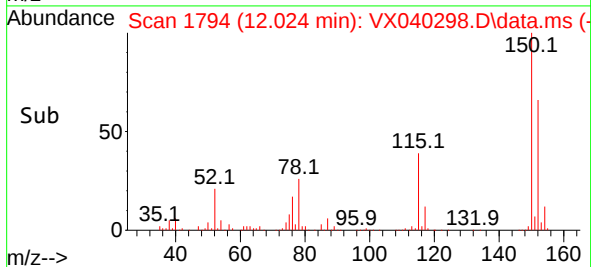
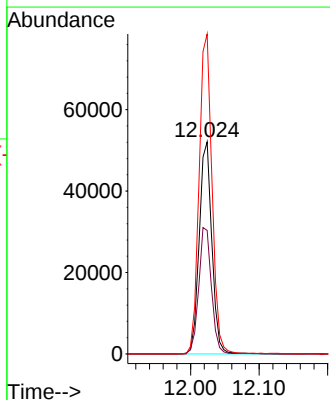
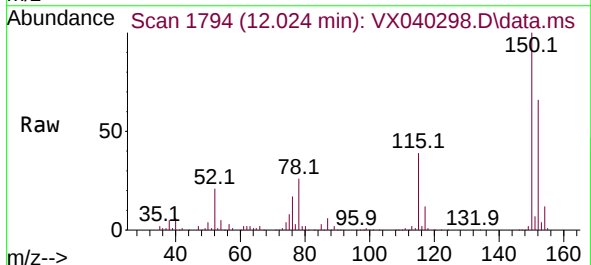
Ion	Ratio	Lower	Upper
164	100		
166	126.6	102.7	154.1
129	95.2	80.4	120.6
131	89.9	76.5	114.7

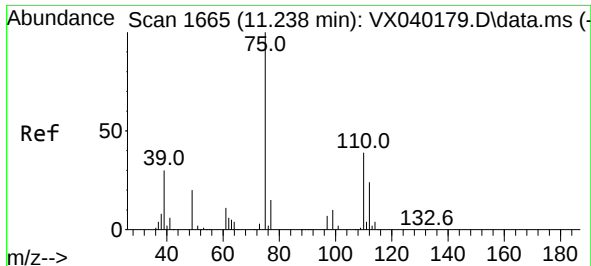


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

Tgt Ion:152 Resp: 66925

Ion	Ratio	Lower	Upper
152	100		
115	59.8	43.3	129.9
150	153.8	0.0	345.0

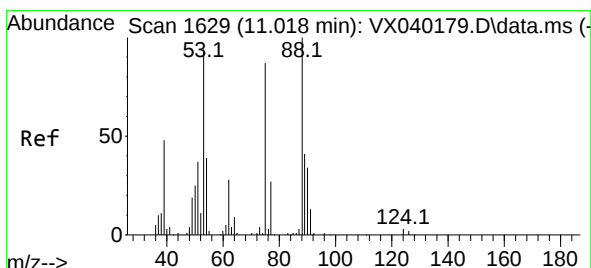
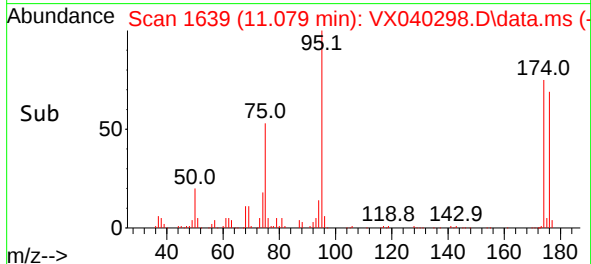
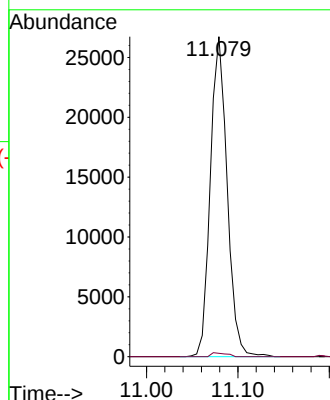
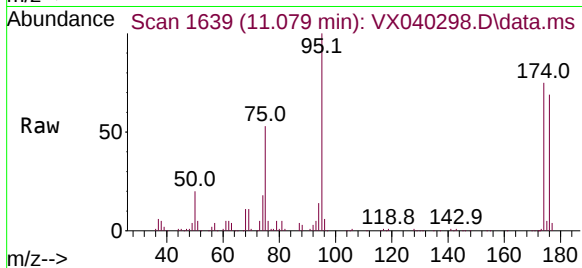




#76
1,2,3-Trichloropropane
Concen: 25.186 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20240214DL

Tgt Ion: 75 Resp: 34133
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.253 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040298.D
Acq: 17 Feb 2024 13:38

Tgt Ion: 75 Resp: 34133
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

