

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111722\
 Data File : VX032907.D
 Acq On : 17 Nov 2022 17:58
 Operator : JC/MD
 Sample : N5672-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20221116

Quant Time: Nov 18 01:42:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

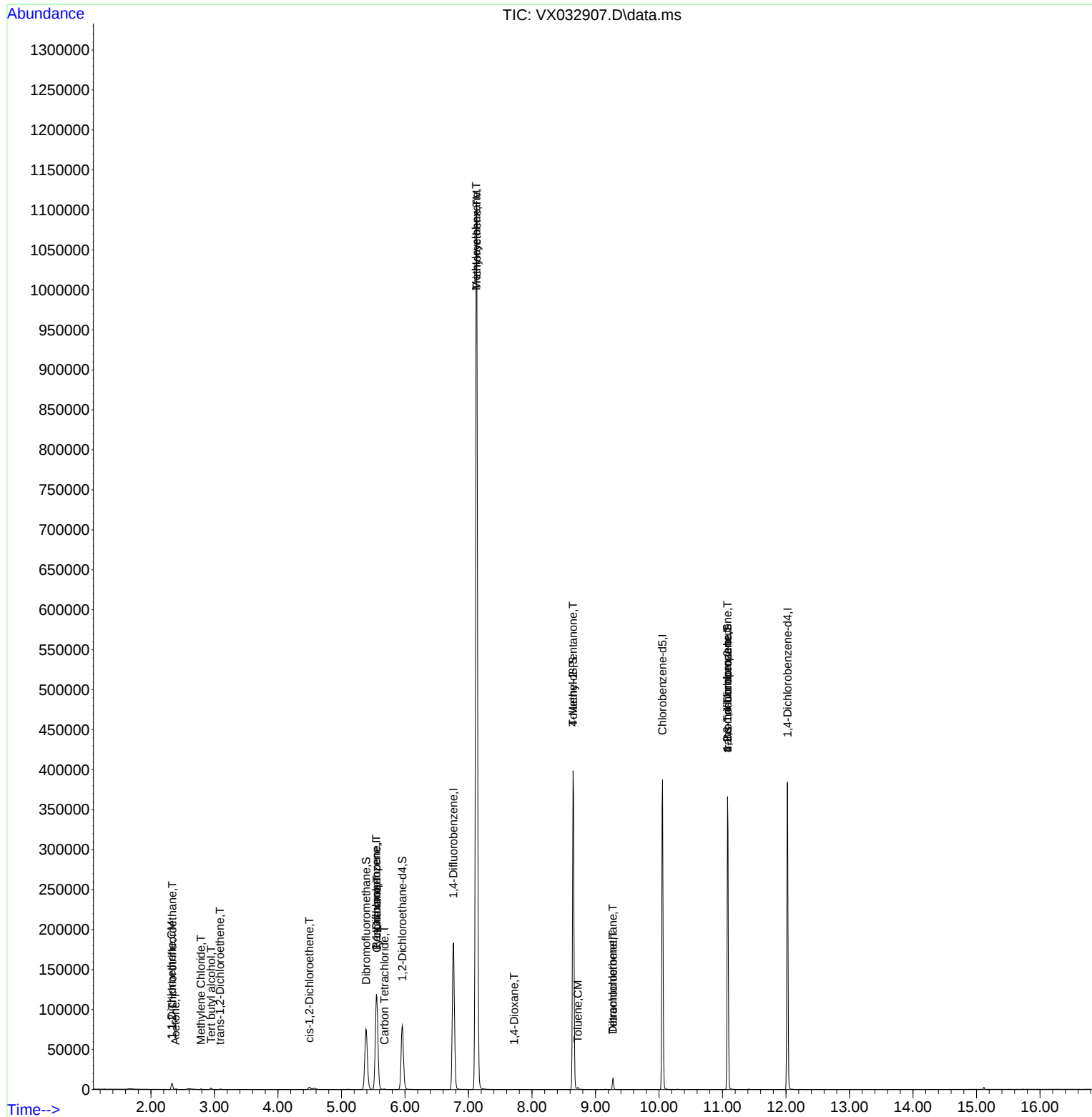
Internal Standards						
1) Pentafluorobenzene	5.550	168	113030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	188691	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	171543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	80944	51.539	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.080%
35) Dibromofluoromethane	5.385	113	63727	47.347	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.700%
50) Toluene-d8	8.647	98	235842	50.392	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.780%
62) 4-Bromofluorobenzene	11.079	95	91339	49.962	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.920%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.337	101	2739	2.257	ug/l	98
11) Tert butyl alcohol	2.947	59	1035	4.528	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	448	0.395	ug/l #	88
16) Acetone	2.386	43	976	1.710	ug/l	96
20) Methylene Chloride	2.788	84	371	0.283	ug/l #	83
21) trans-1,2-Dichloroethene	3.087	96	322	0.261	ug/l #	63
27) cis-1,2-Dichloroethene	4.495	96	1870	1.311	ug/l	93
31) Cyclohexane	5.556	56	2459	1.291	ug/l #	4
36) 1,1-Dichloropropene	5.550	75	8737	4.661	ug/l #	49
38) Carbon Tetrachloride	5.678	117	587	0.282	ug/l #	62
39) Methylcyclohexane	7.123	83	4956	2.235	ug/l #	1
44) Trichloroethene	7.129	130	427389	286.242	ug/l	99
49) 1,4-Dioxane	7.720	88	142	4.816	ug/l #	26
51) 4-Methyl-2-Pentanone	8.647	43	1004	0.532	ug/l #	1
52) Toluene	8.720	92	983	0.284	ug/l	97
60) Dibromochloromethane	9.275	129	2503	1.572	ug/l #	11
64) Tetrachloroethene	9.275	164	2633	2.097	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	49294	26.892	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	49294	85.572	ug/l #	6

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

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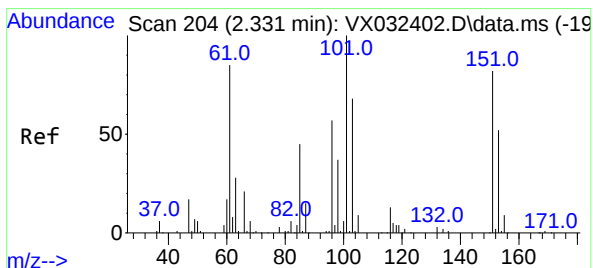
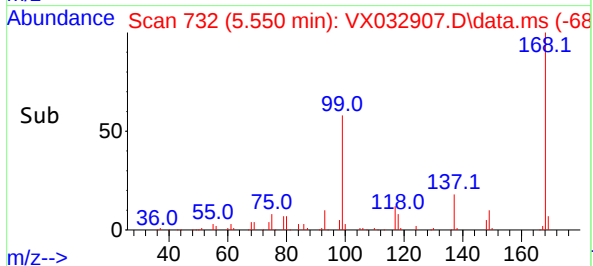
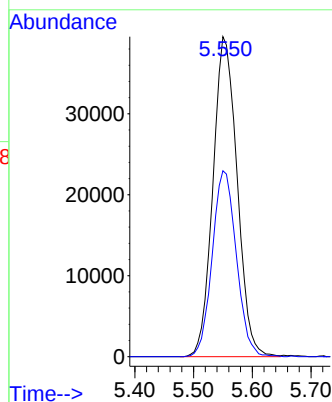
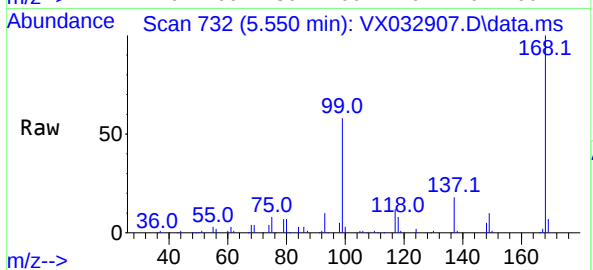




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

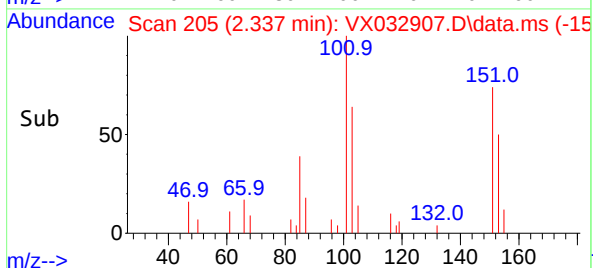
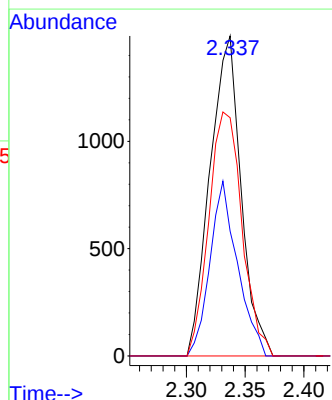
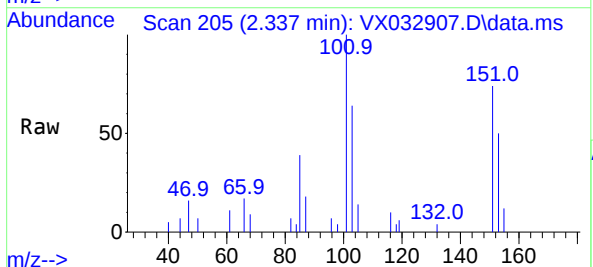
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20221116

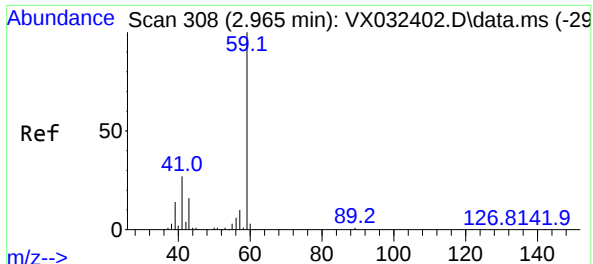
Tgt Ion:168 Resp: 113030
Ion Ratio Lower Upper
168 100
99 58.1 46.1 69.1



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.257 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

Tgt Ion:101 Resp: 2739
Ion Ratio Lower Upper
101 100
85 48.4 37.0 55.4
151 81.5 64.4 96.6

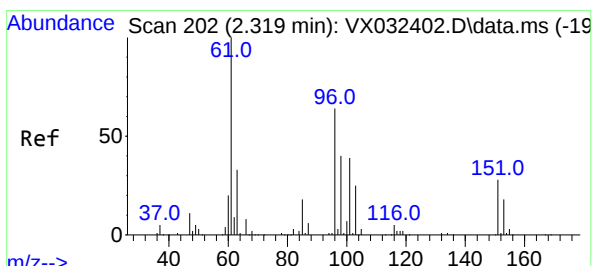
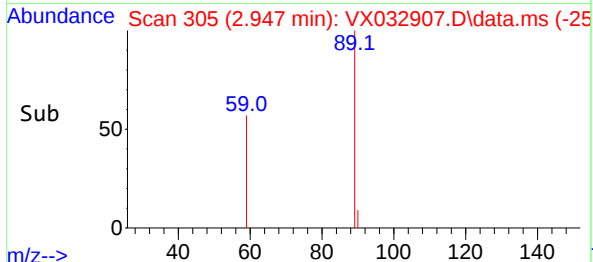
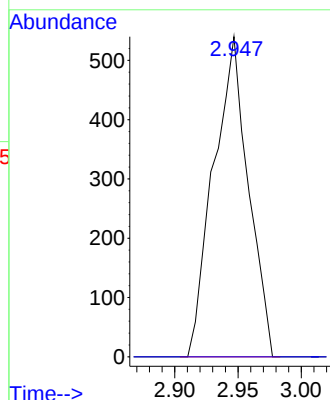
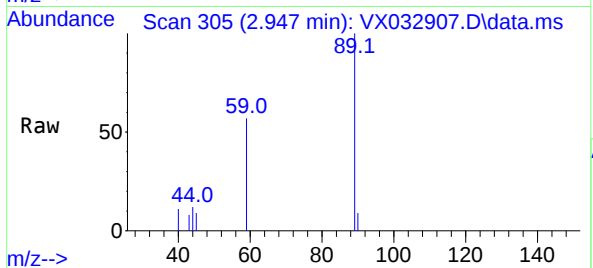




#11
Tert butyl alcohol
Concen: 4.528 ug/l
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

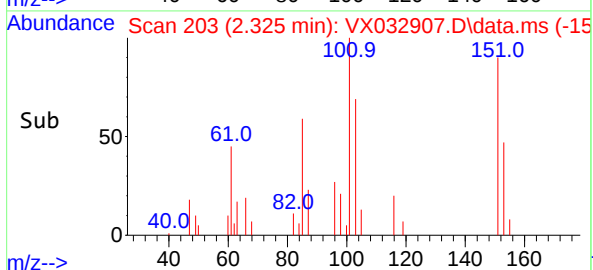
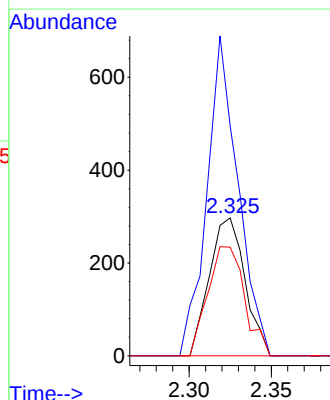
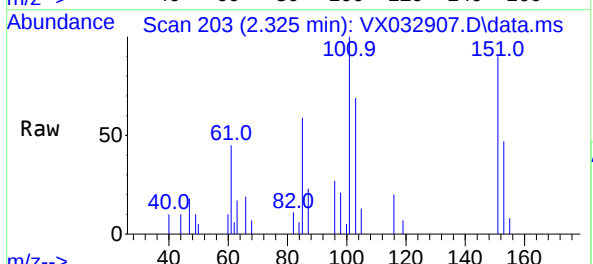
Instrument :
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ClientSampleId :
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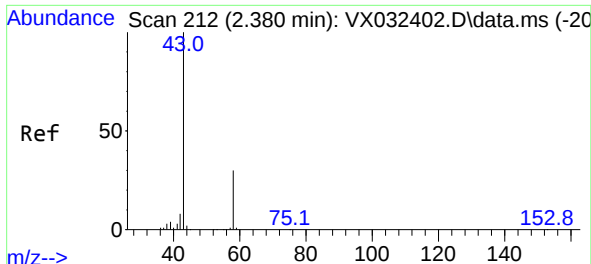
Tgt Ion: 59 Resp: 1035
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.395 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

Tgt Ion: 96 Resp: 448
Ion Ratio Lower Upper
96 100
61 167.0 125.1 187.7
98 78.8 50.6 76.0#

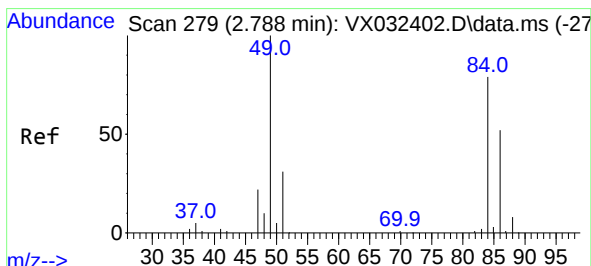
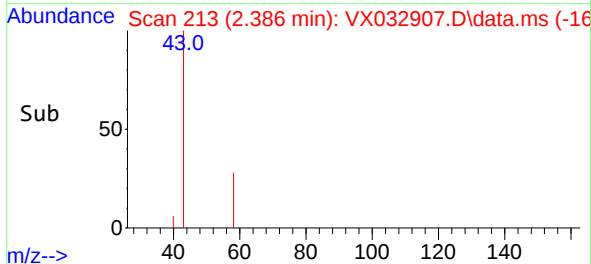
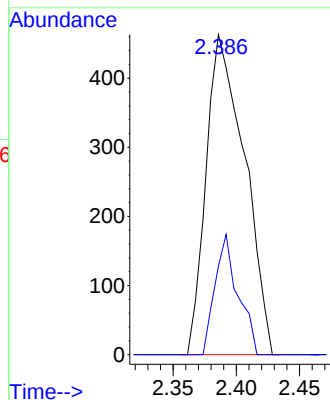
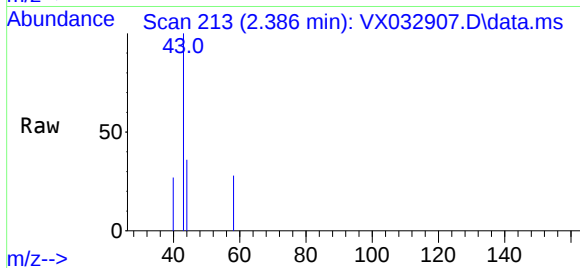




#16
Acetone
Concen: 1.710 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

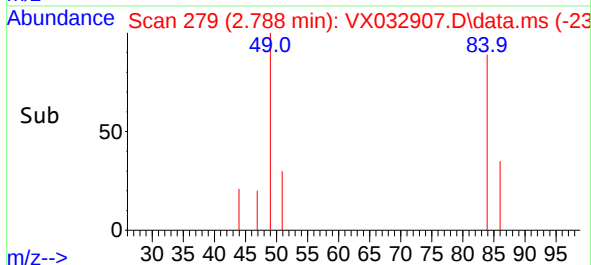
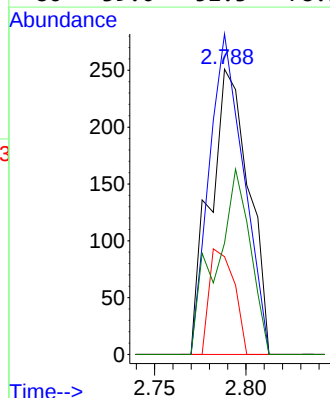
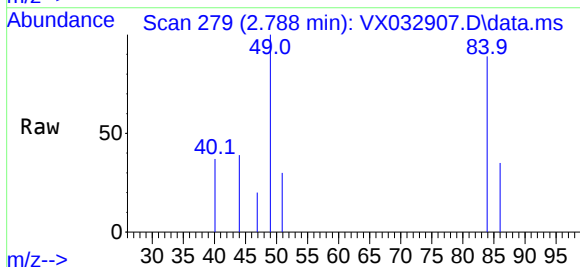
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20221116

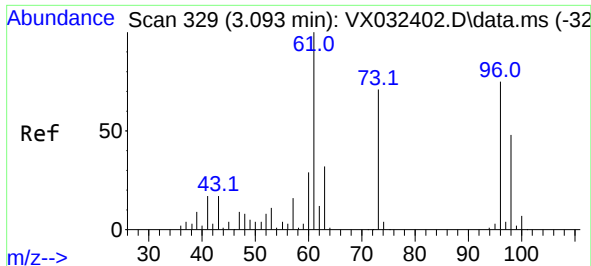
Tgt Ion: 43 Resp: 976
Ion Ratio Lower Upper
43 100
58 27.6 23.8 35.8



#20
Methylene Chloride
Concen: 0.283 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

Tgt Ion: 84 Resp: 371
Ion Ratio Lower Upper
84 100
49 112.4 101.0 151.6
51 34.3 31.1 46.7
86 39.0 52.3 78.5

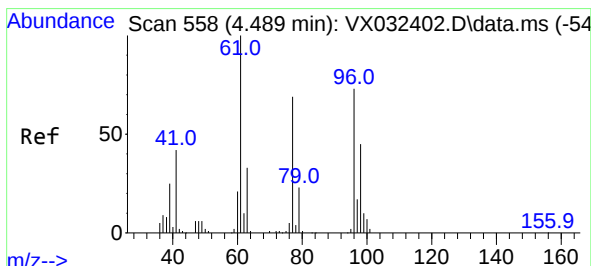
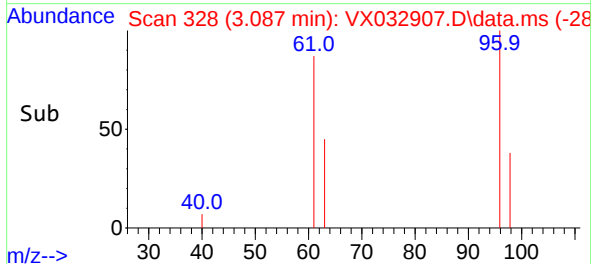
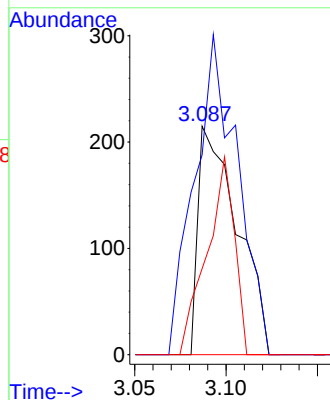
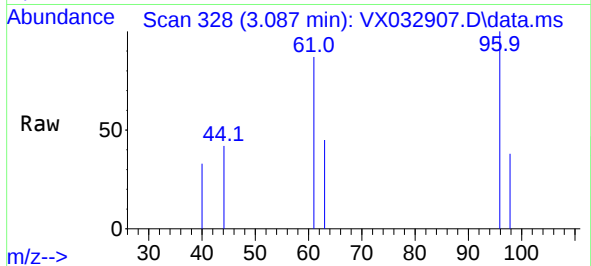




#21
trans-1,2-Dichloroethene
Concen: 0.261 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

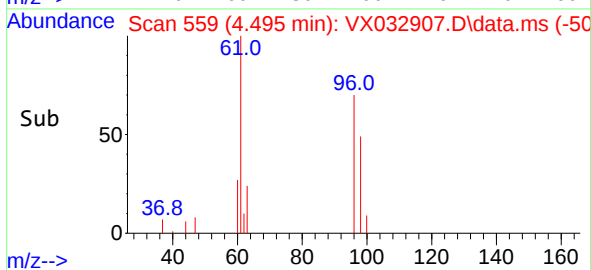
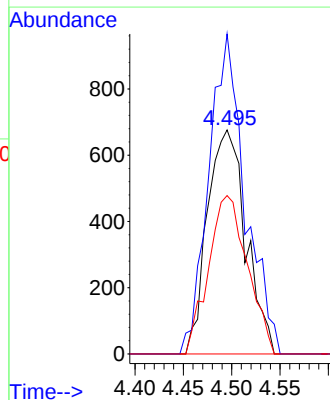
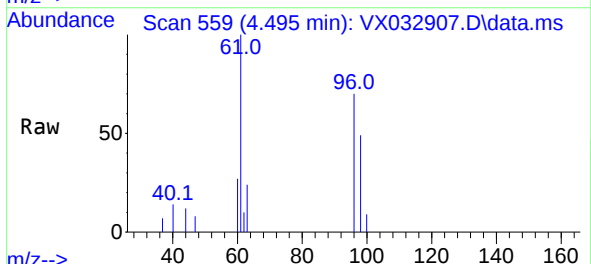
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20221116

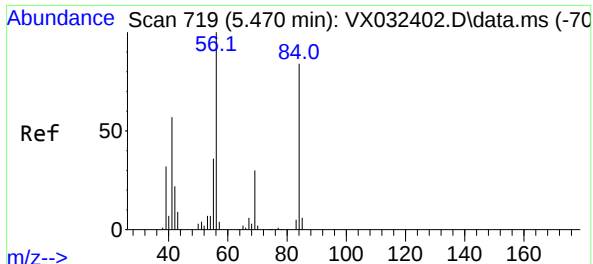
Tgt Ion: 96 Resp: 322
Ion Ratio Lower Upper
96 100
61 87.4 106.6 160.0#
98 37.7 51.0 76.6#



#27
cis-1,2-Dichloroethene
Concen: 1.311 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

Tgt Ion: 96 Resp: 1870
Ion Ratio Lower Upper
96 100
61 135.2 0.0 286.0
98 71.6 0.0 129.6

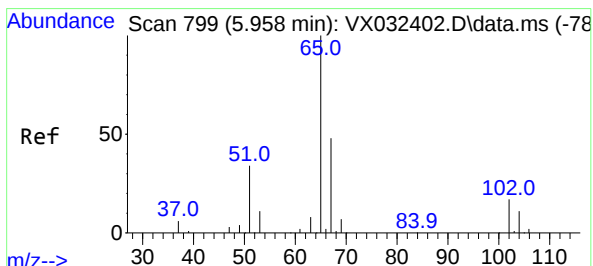
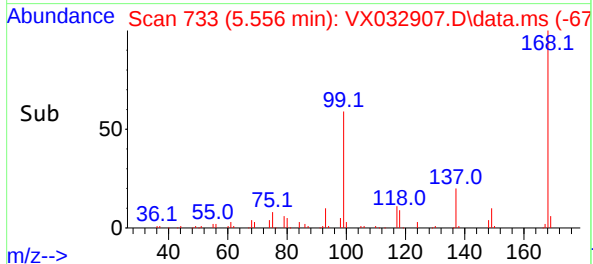
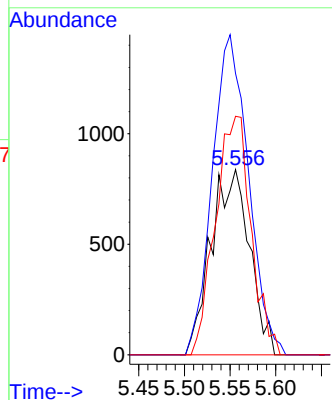
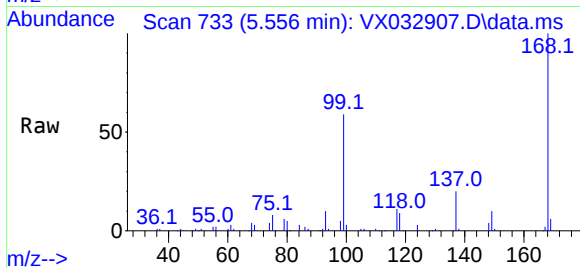




#31
Cyclohexane
Concen: 1.291 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

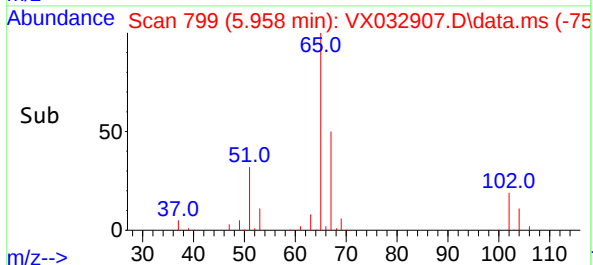
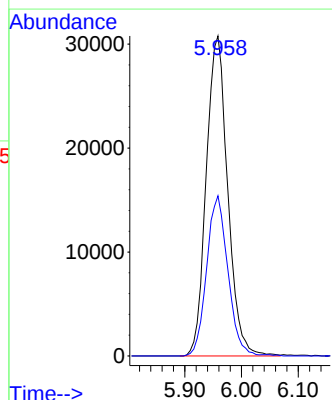
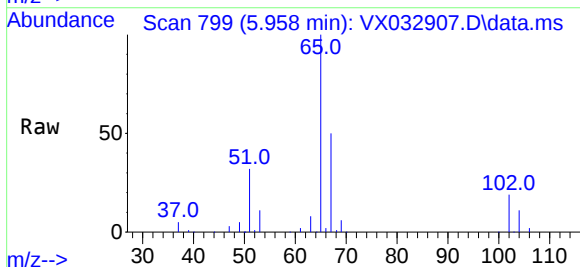
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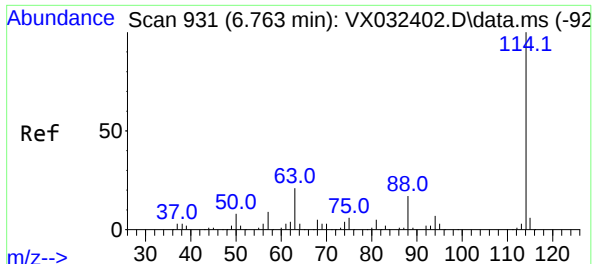
Tgt Ion: 56 Resp: 2459
Ion Ratio Lower Upper
56 100
69 151.8 24.1 36.1#
84 128.8 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 51.539 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

Tgt Ion: 65 Resp: 80944
Ion Ratio Lower Upper
65 100
67 49.3 0.0 101.8

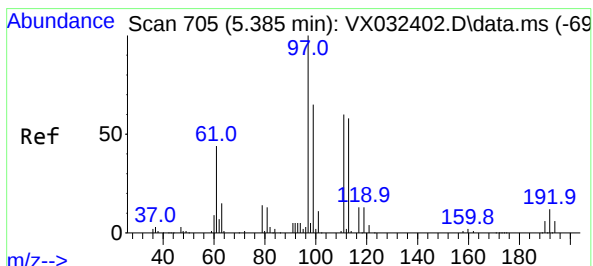
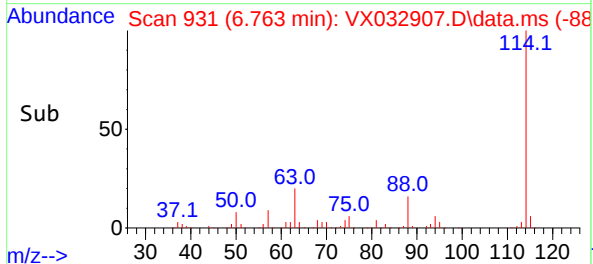
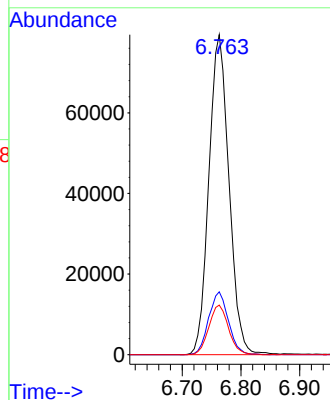
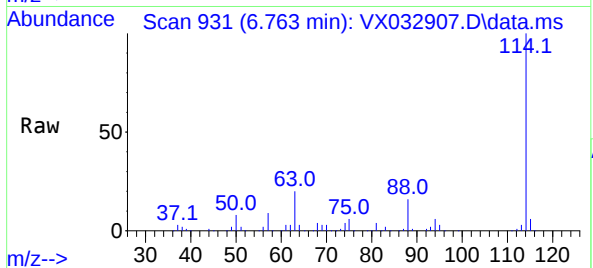




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

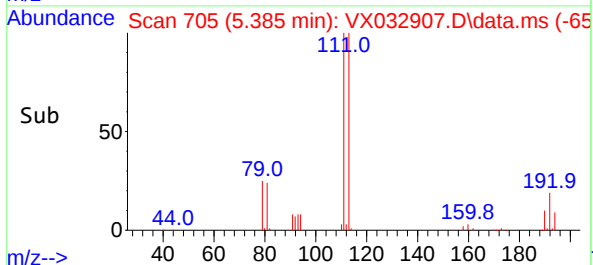
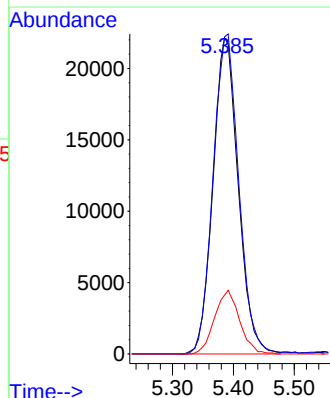
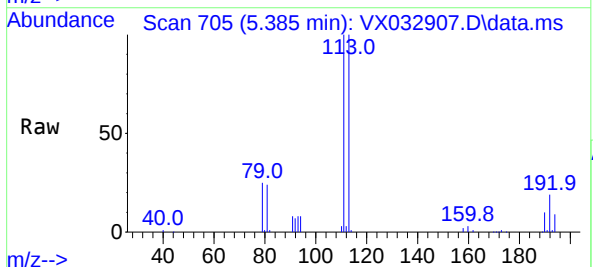
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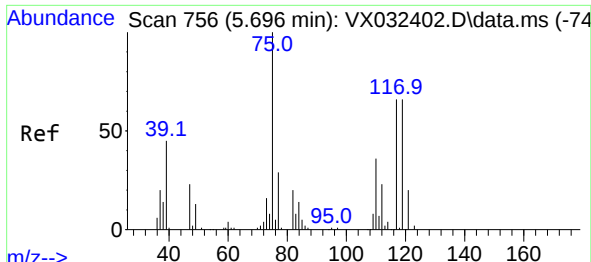
Tgt Ion:114 Resp: 188691
Ion Ratio Lower Upper
114 100
63 19.6 0.0 41.6
88 15.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.347 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

Tgt Ion:113 Resp: 63727
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 19.9 15.4 23.2

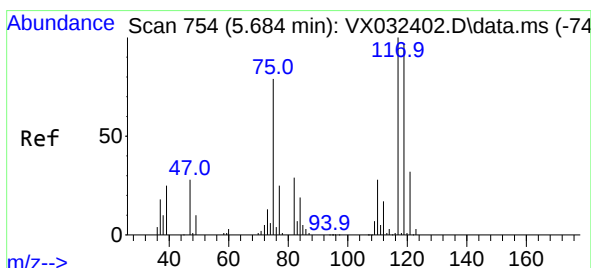
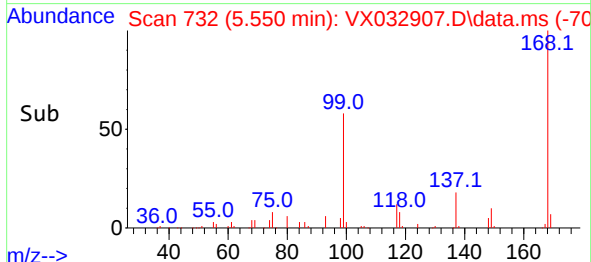
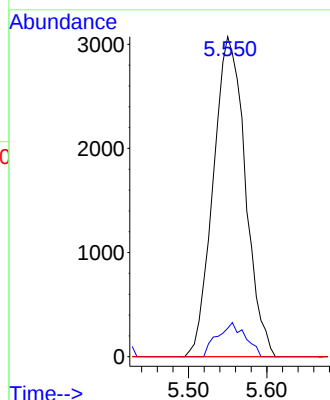
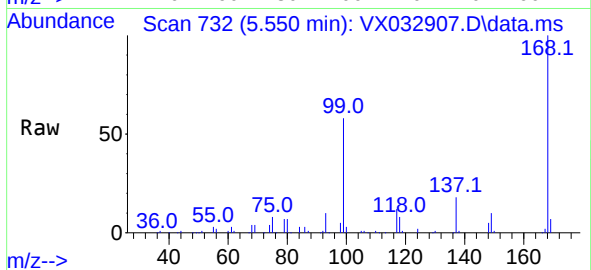




#36
1,1-Dichloropropene
Concen: 4.661 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

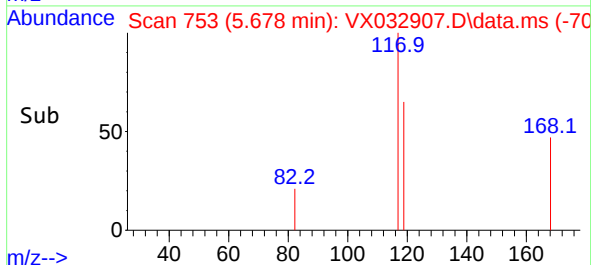
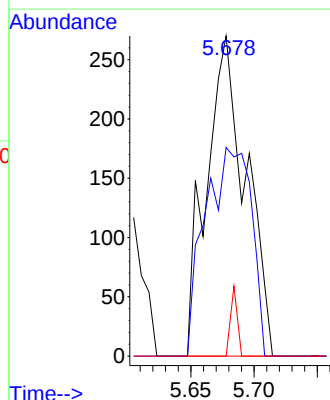
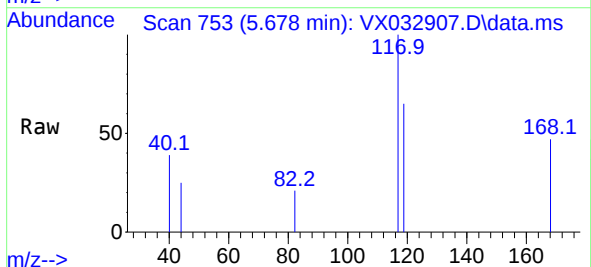
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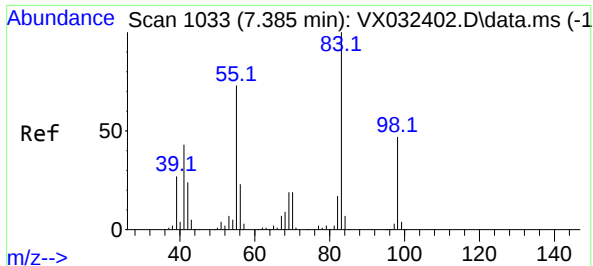
Tgt Ion: 75 Resp: 8737
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 0.282 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

Tgt Ion: 117 Resp: 587
Ion Ratio Lower Upper
117 100
119 65.2 77.2 115.8#
121 0.0 25.8 38.6#

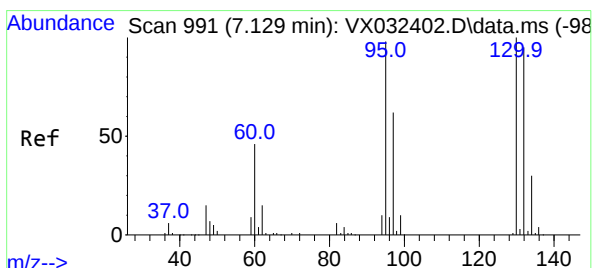
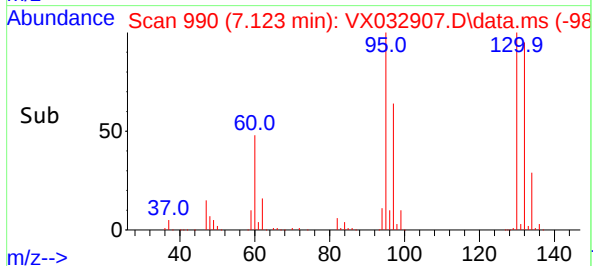
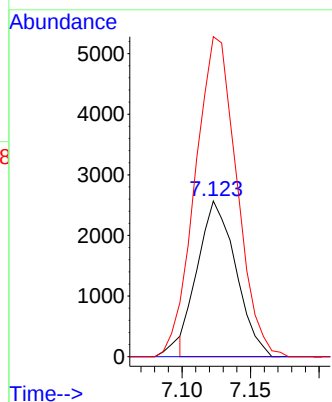
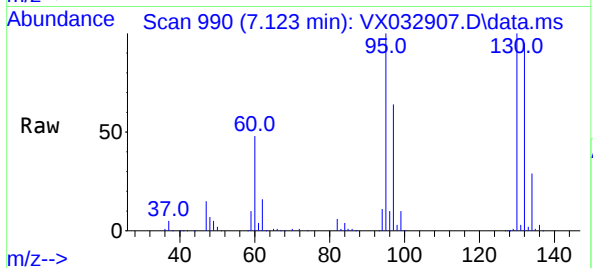




#39
Methylcyclohexane
Concen: 2.235 ug/l
RT: 7.123 min Scan# 991
Delta R.T. -0.262 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

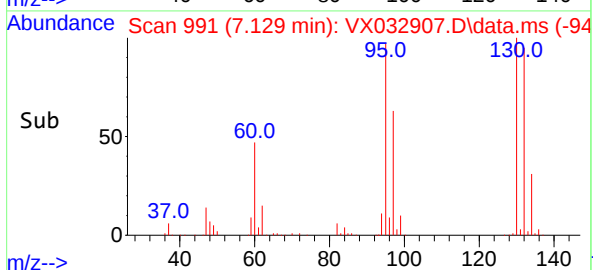
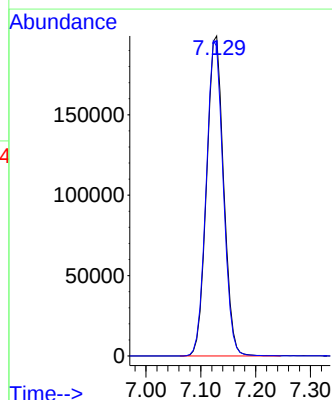
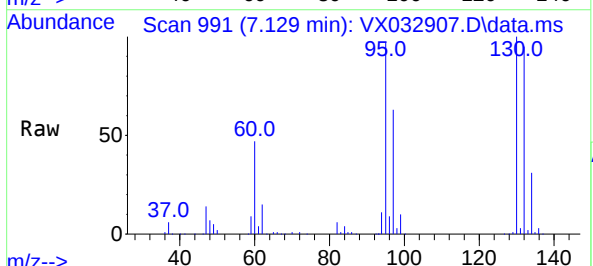
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20221116

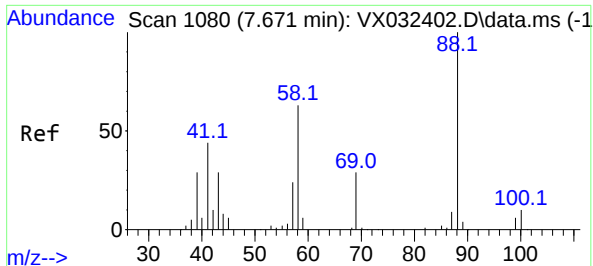
Tgt Ion: 83 Resp: 4956
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 202.6 37.2 55.8#



#44
Trichloroethene
Concen: 286.242 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

Tgt Ion:130 Resp: 427389
Ion Ratio Lower Upper
130 100
95 96.8 0.0 195.2





#49

1,4-Dioxane

Concen: 4.816 ug/l

RT: 7.720 min Scan# 1088

Delta R.T. 0.049 min

Lab File: VX032907.D

Acq: 17 Nov 2022 17:58

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20221116

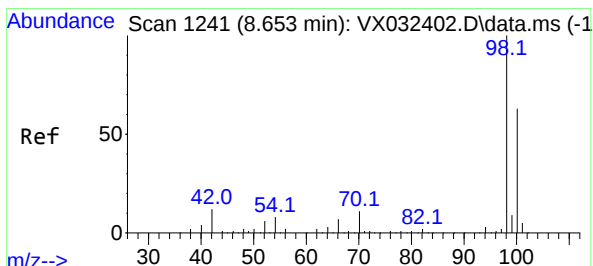
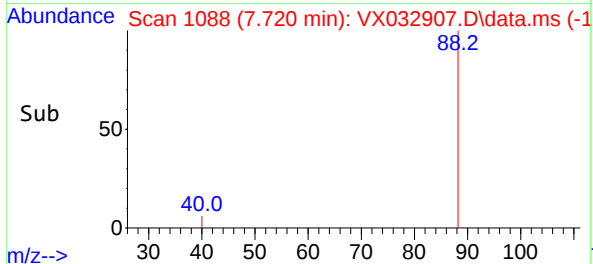
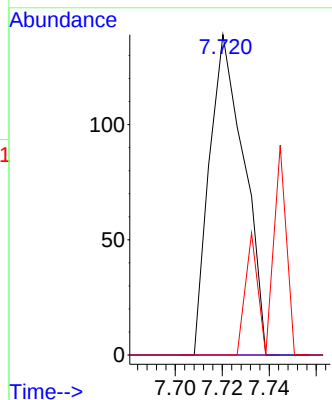
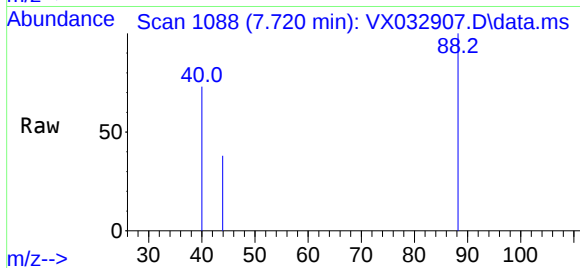
Tgt Ion: 88 Resp: 142

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

58 0.0 51.7 77.5#



#50

Toluene-d8

Concen: 50.392 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032907.D

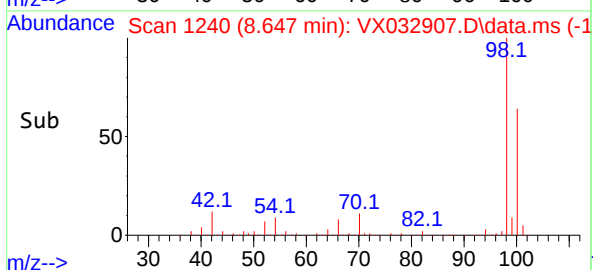
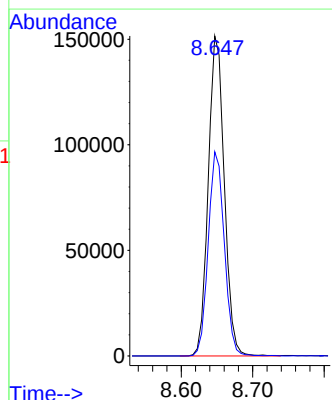
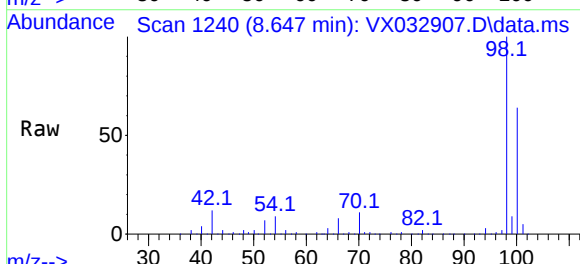
Acq: 17 Nov 2022 17:58

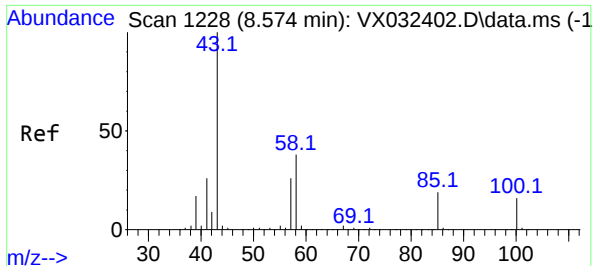
Tgt Ion: 98 Resp: 235842

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3

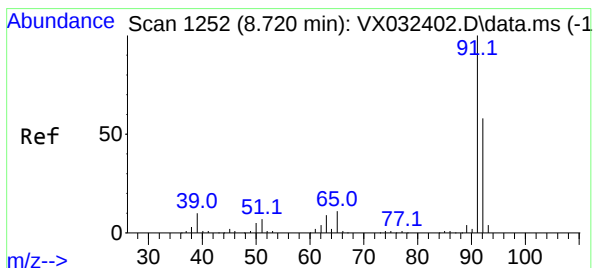
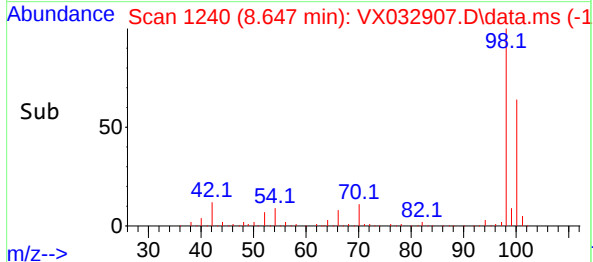
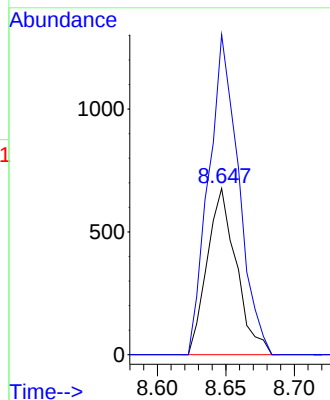
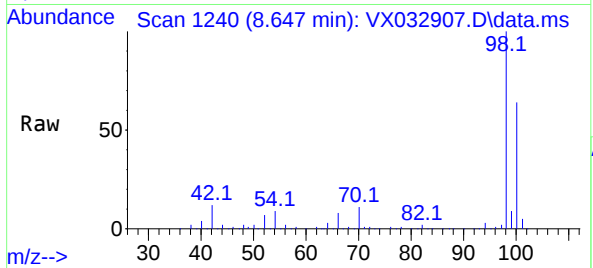




#51
4-Methyl-2-Pentanone
Concen: 0.532 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

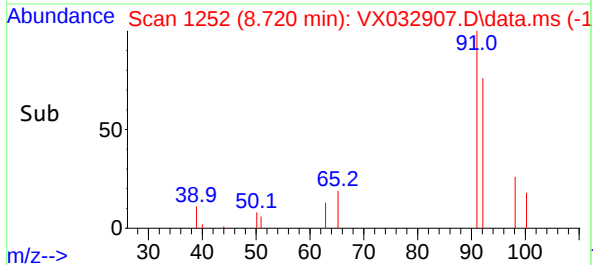
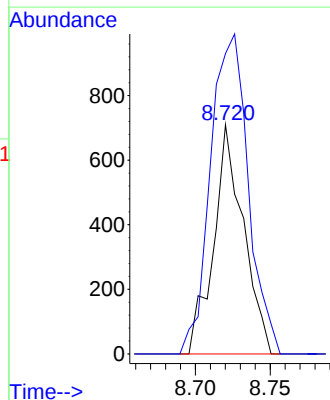
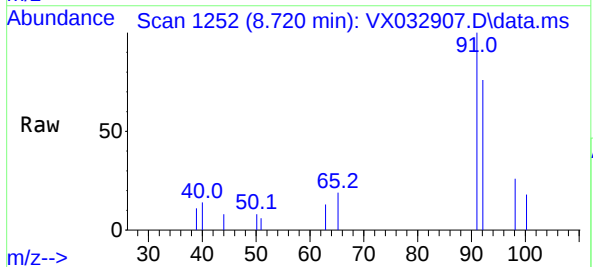
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20221116

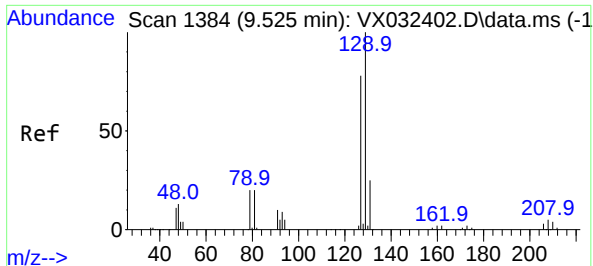
Tgt Ion: 43 Resp: 1004
Ion Ratio Lower Upper
43 100
58 197.7 30.9 46.3#



#52
Toluene
Concen: 0.284 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

Tgt Ion: 92 Resp: 983
Ion Ratio Lower Upper
92 100
91 176.8 138.3 207.5





#60

Dibromochloromethane

Concen: 1.572 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX032907.D

Acq: 17 Nov 2022 17:58

Instrument :

MSVOA_X

ClientSampleId :

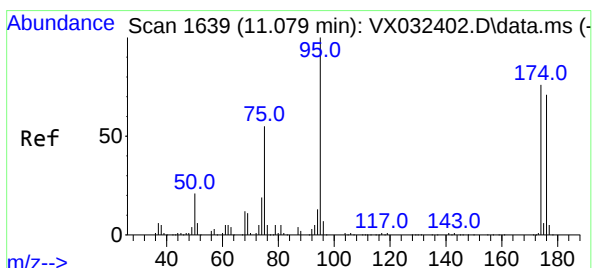
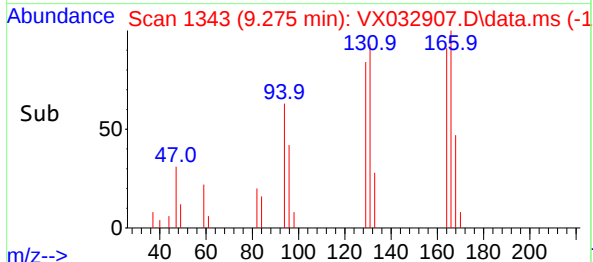
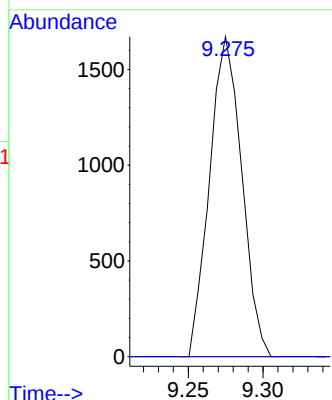
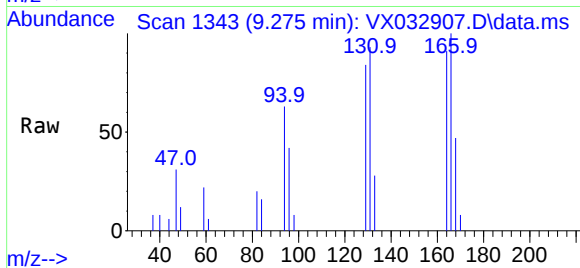
RE122D1-20221116

Tgt Ion:129 Resp: 2503

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#



#62

4-Bromofluorobenzene

Concen: 49.962 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032907.D

Acq: 17 Nov 2022 17:58

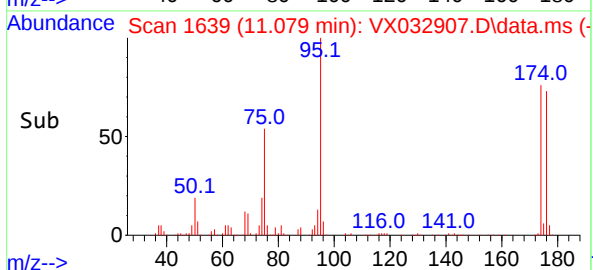
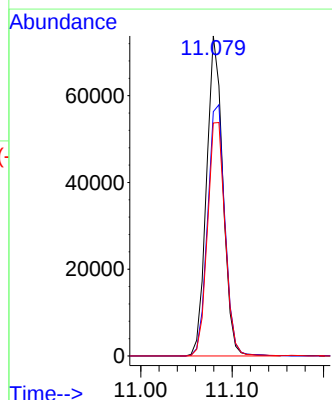
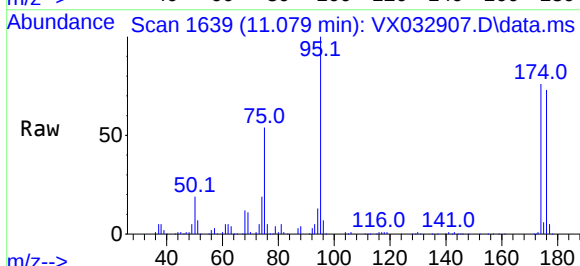
Tgt Ion: 95 Resp: 91339

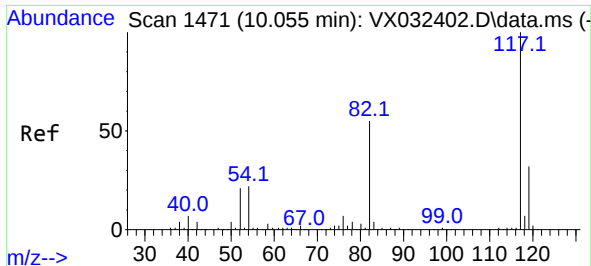
Ion Ratio Lower Upper

95 100

174 83.3 0.0 164.0

176 78.6 0.0 154.4

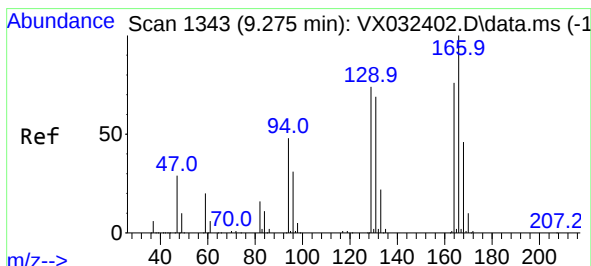
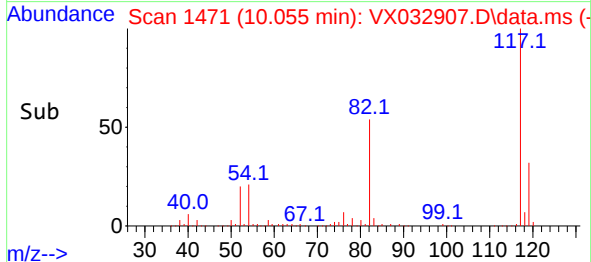
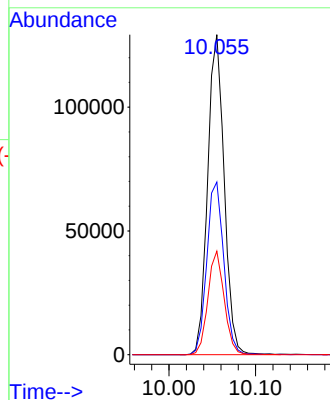
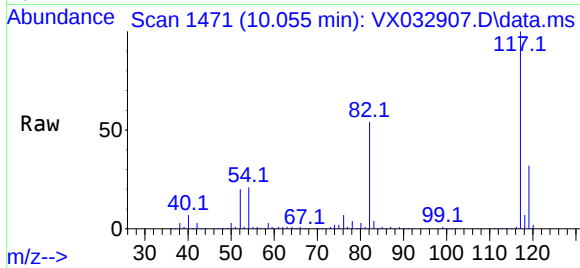




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

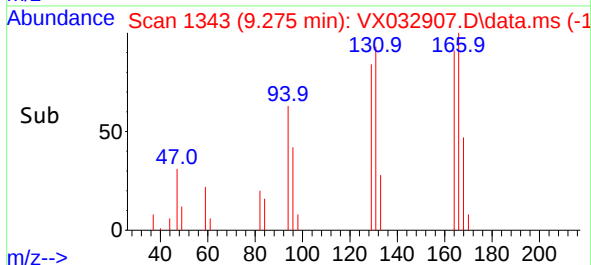
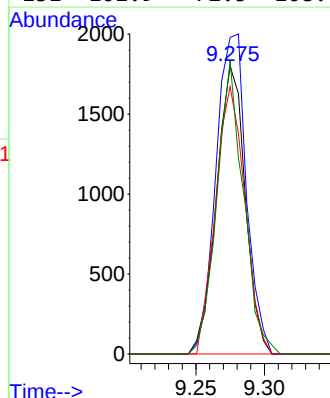
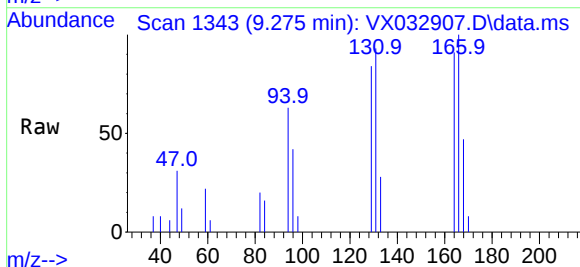
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20221116

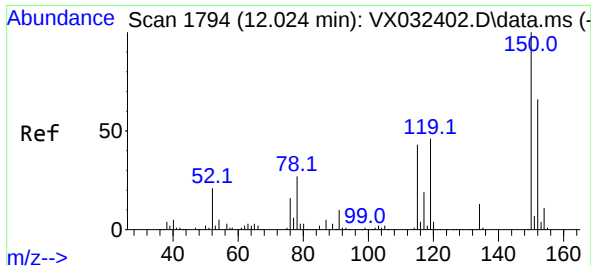
Tgt Ion:117 Resp: 171543
Ion Ratio Lower Upper
117 100
82 54.0 44.3 66.5
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 2.097 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

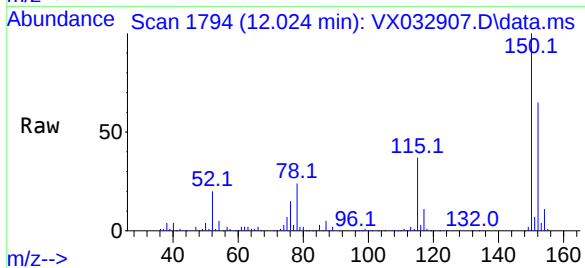
Tgt Ion:164 Resp: 2633
Ion Ratio Lower Upper
164 100
166 109.9 105.4 158.2
129 92.8 78.2 117.2
131 101.9 72.5 108.7



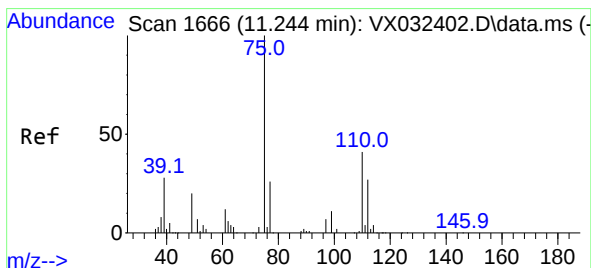
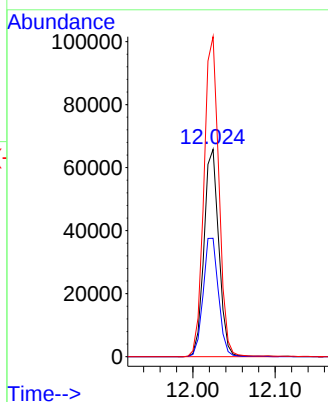
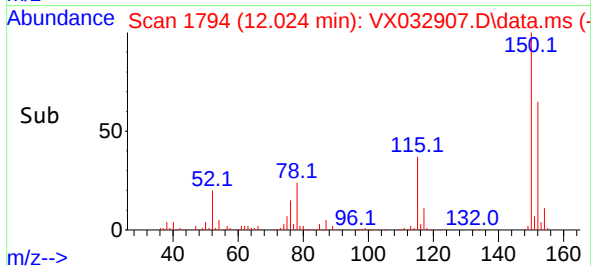


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

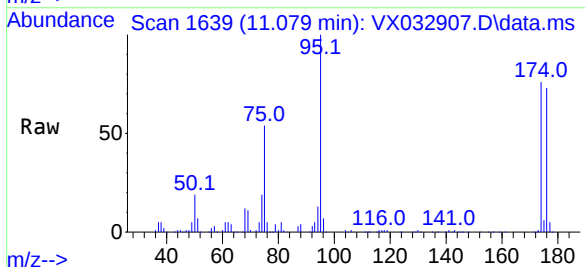
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20221116



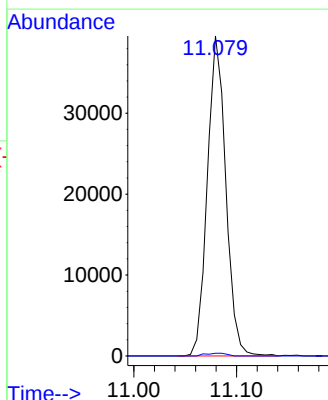
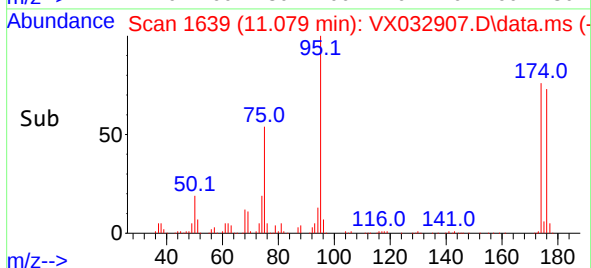
Tgt Ion:152 Resp: 82392
Ion Ratio Lower Upper
152 100
115 59.0 44.0 132.0
150 155.2 0.0 351.8

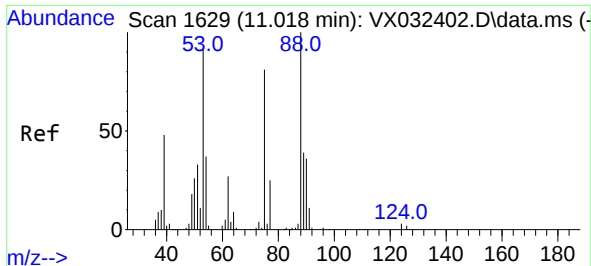


#76
1,2,3-Trichloropropane
Concen: 26.892 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58



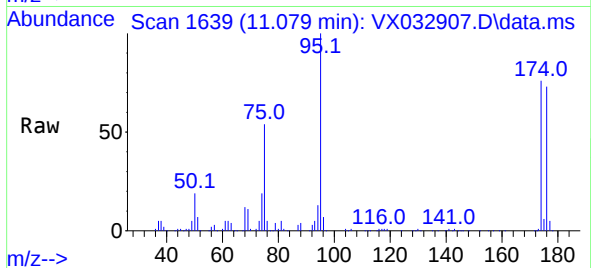
Tgt Ion: 75 Resp: 49294
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 85.572 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX032907.D
Acq: 17 Nov 2022 17:58

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20221116



Tgt Ion: 75 Resp: 49294
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

