

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111722\
 Data File : VX032902.D
 Acq On : 17 Nov 2022 16:02
 Operator : JC/MD
 Sample : N5671-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20221115

Quant Time: Nov 18 01:41:29 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)

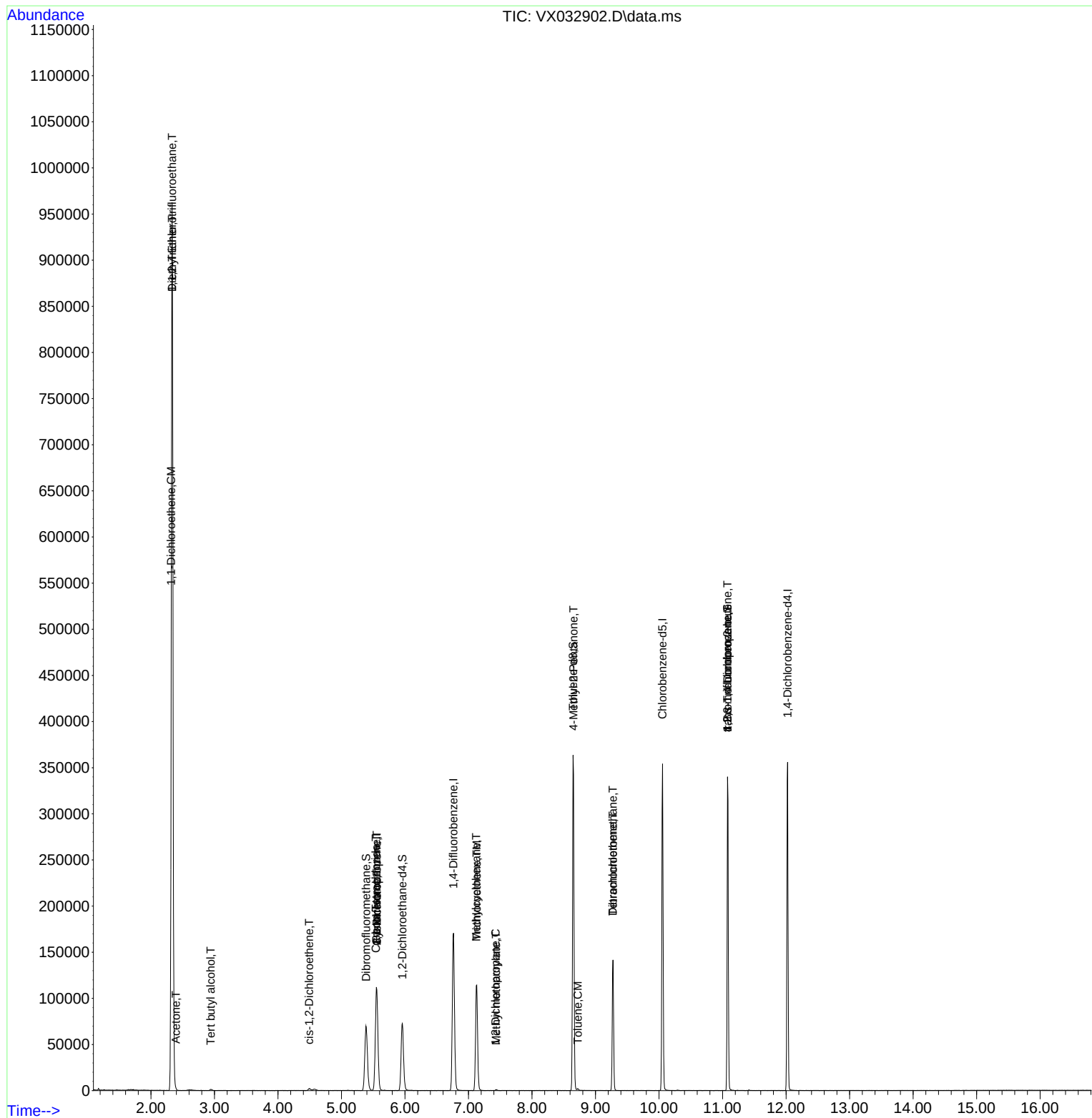
Internal Standards						
1) Pentafluorobenzene	5.550	168	106221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	174726	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74918	50.760	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.520%
35) Dibromofluoromethane	5.385	113	60652	48.664	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.320%
50) Toluene-d8	8.647	98	215600	49.749	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.500%
62) 4-Bromofluorobenzene	11.079	95	83965	49.599	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.200%
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.331	74	306	0.437	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.331	101	361674	317.166	ug/l	99
11) Tert butyl alcohol	2.940	59	812	3.780	ug/l #	72
12) 1,1-Dichloroethene	2.318	96	2731	2.564	ug/l #	69
16) Acetone	2.392	43	657	1.225	ug/l #	89
27) cis-1,2-Dichloroethene	4.489	96	1669	1.245	ug/l	83
31) Cyclohexane	5.556	56	2229	1.246	ug/l #	46
36) 1,1-Dichloropropene	5.556	75	8466	4.878	ug/l #	49
38) Carbon Tetrachloride	5.543	117	10973	5.700	ug/l #	16
39) Methylcyclohexane	7.122	83	538	0.262	ug/l #	1
44) Trichloroethene	7.129	130	44882	32.462	ug/l	98
45) 1,2-Dichloropropane	7.427	63	496	0.393	ug/l #	44
48) Methyl methacrylate	7.433	41	301	0.210	ug/l #	42
51) 4-Methyl-2-Pentanone	8.653	43	951	0.544	ug/l #	1
52) Toluene	8.720	92	741	0.231	ug/l	97
60) Dibromochloromethane	9.275	129	24897	16.891	ug/l #	11
64) Tetrachloroethene	9.275	164	26549	23.015	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	46634	28.368	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	46634	90.268	ug/l #	6

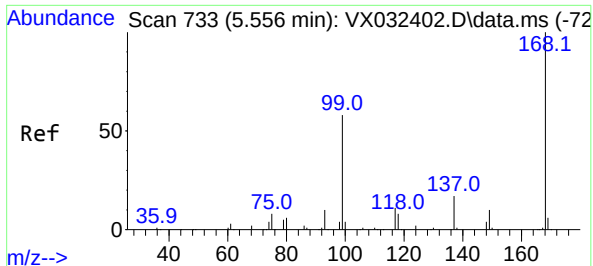
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

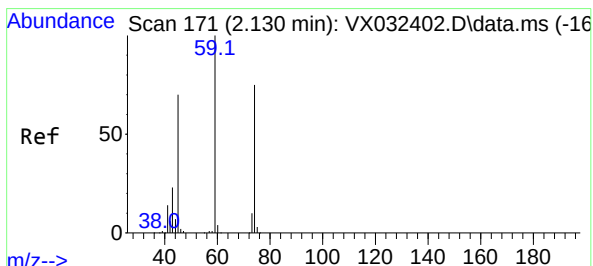
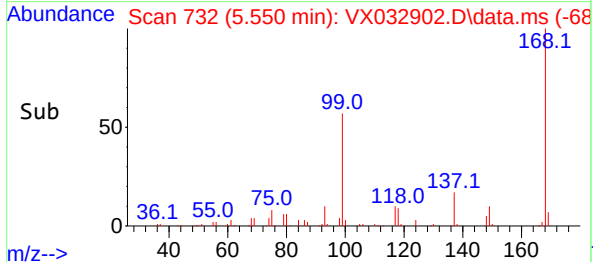
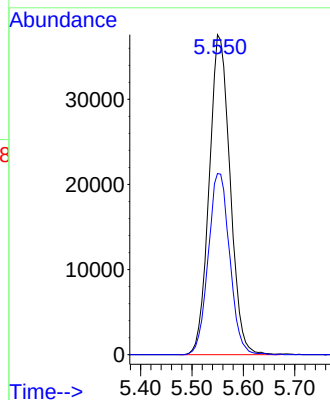
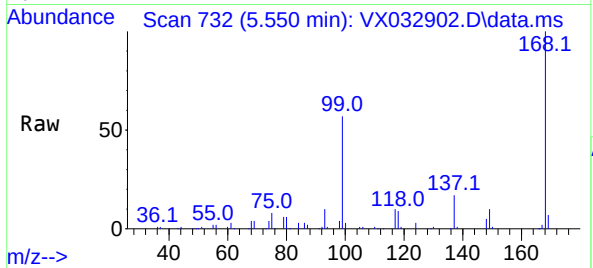




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

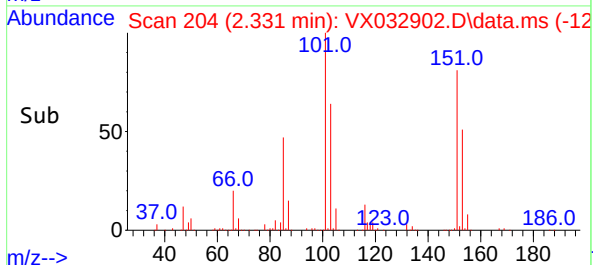
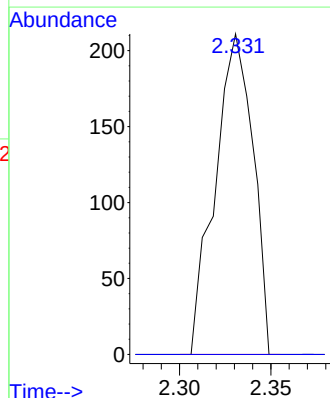
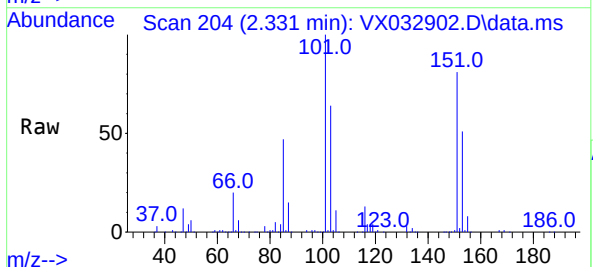
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20221115

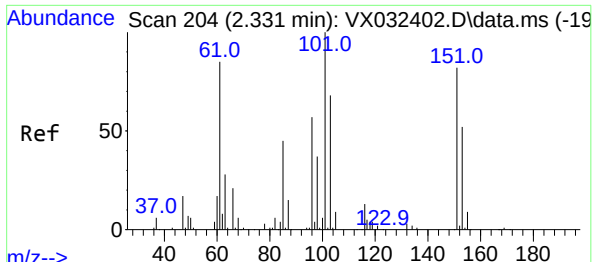
Tgt Ion:168 Resp: 106221
Ion Ratio Lower Upper
168 100
99 56.6 46.1 69.1



#8
Diethyl Ether
Concen: 0.437 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.201 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

Tgt Ion: 74 Resp: 306
Ion Ratio Lower Upper
74 100
45 0.0 46.6 139.7#

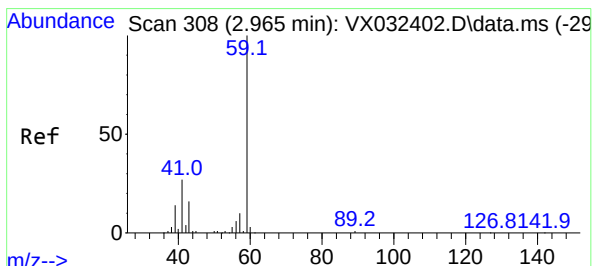
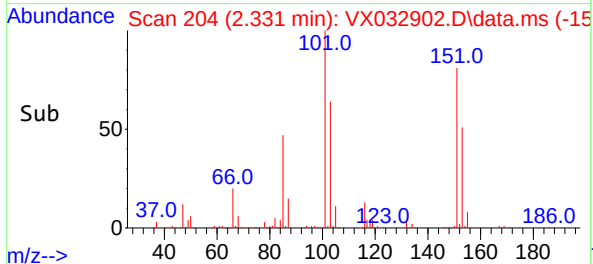
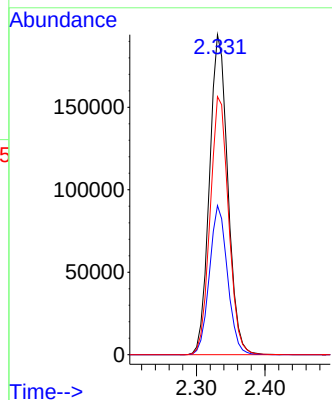
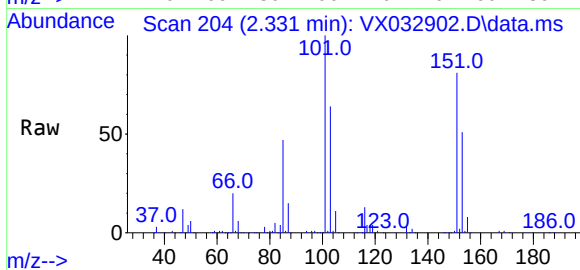




#9
1,1,2-Trichlorotrifluoroethane
Concen: 317.166 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

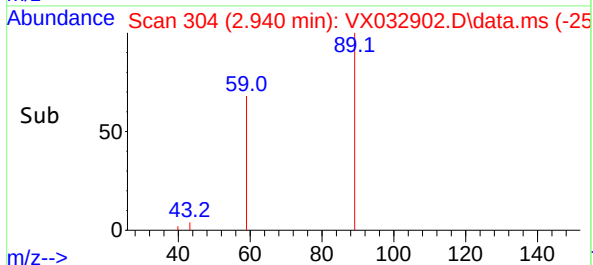
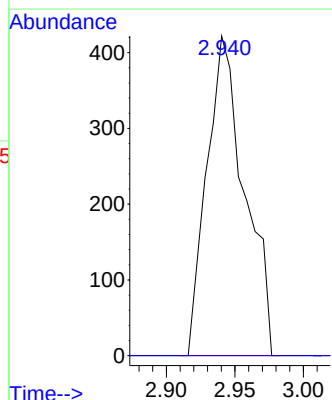
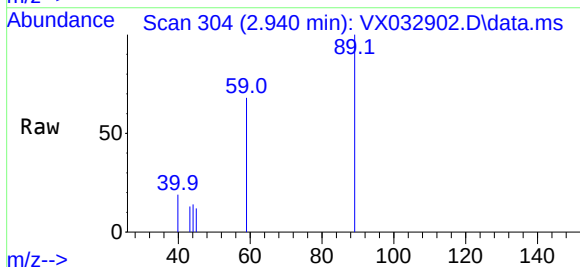
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20221115

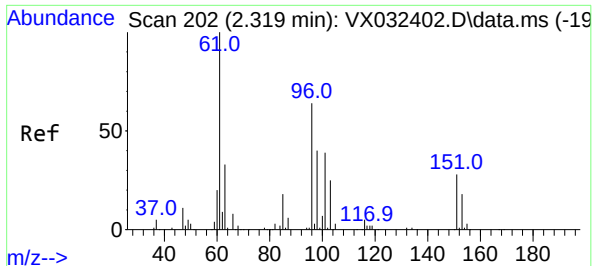
Tgt Ion:101 Resp: 361674
Ion Ratio Lower Upper
101 100
85 45.8 37.0 55.4
151 81.0 64.4 96.6



#11
Tert butyl alcohol
Concen: 3.780 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.025 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

Tgt Ion: 59 Resp: 812
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

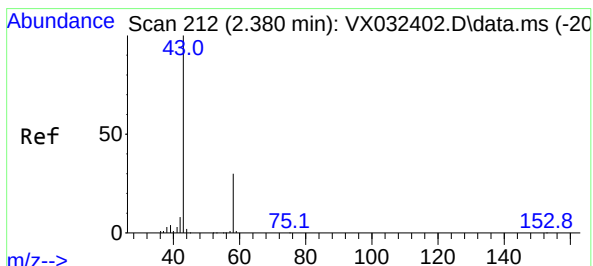
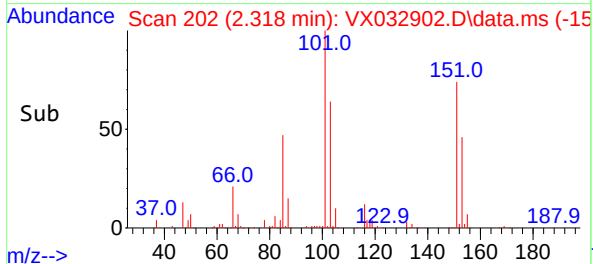
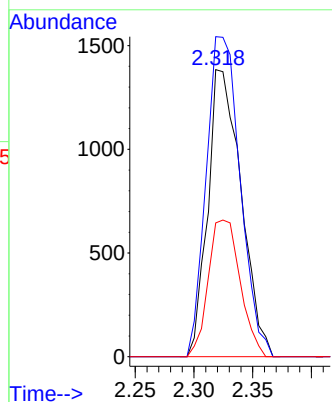
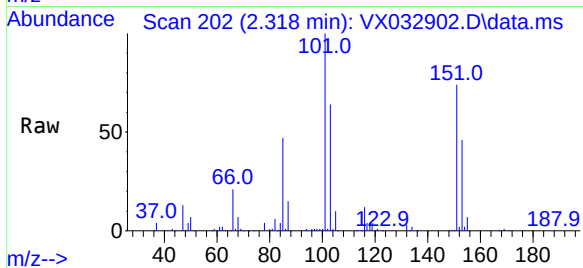




#12
1,1-Dichloroethene
Concen: 2.564 ug/l
RT: 2.318 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

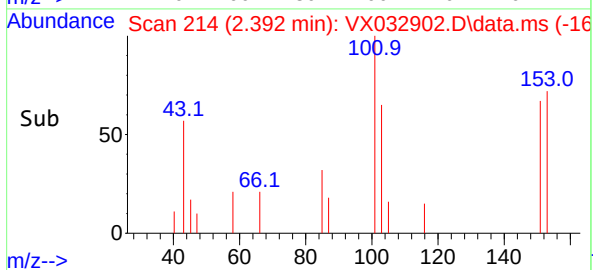
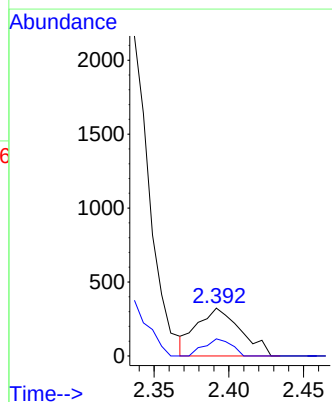
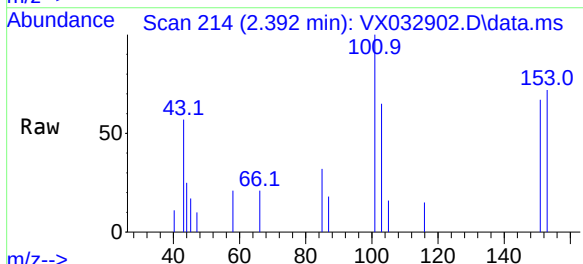
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20221115

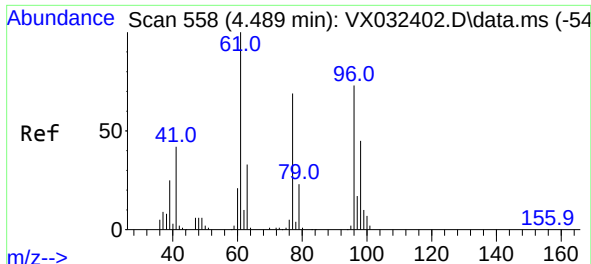
Tgt Ion: 96 Resp: 2731
Ion Ratio Lower Upper
96 100
61 111.5 125.1 187.7#
98 46.6 50.6 76.0#



#16
Acetone
Concen: 1.225 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

Tgt Ion: 43 Resp: 657
Ion Ratio Lower Upper
43 100
58 35.8 23.8 35.8#

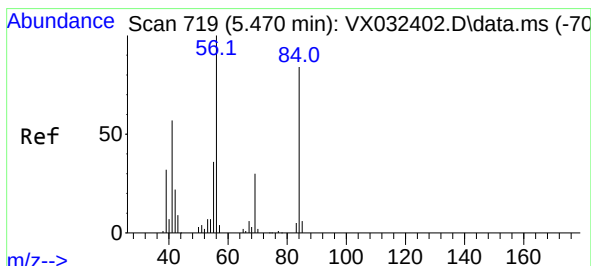
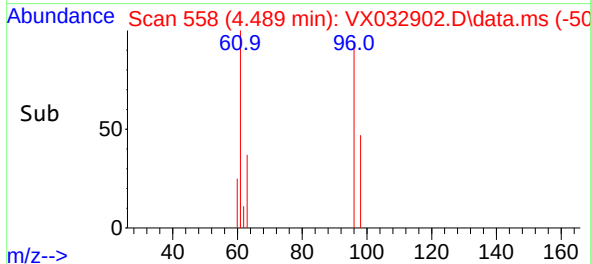
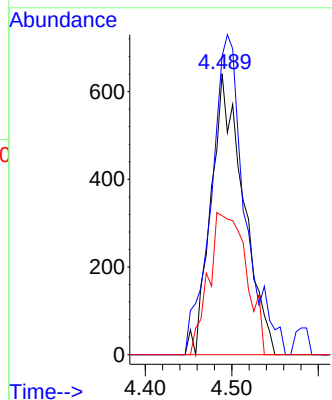
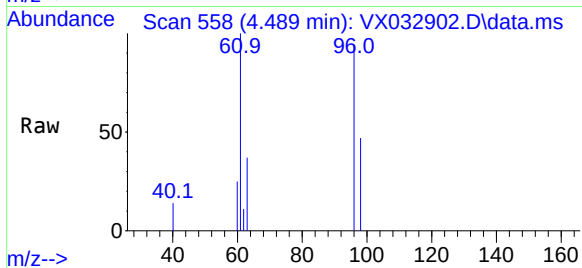




#27
cis-1,2-Dichloroethene
Concen: 1.245 ug/l
RT: 4.489 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

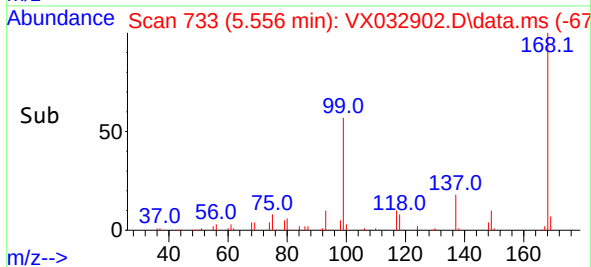
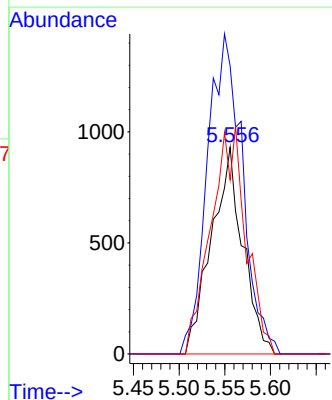
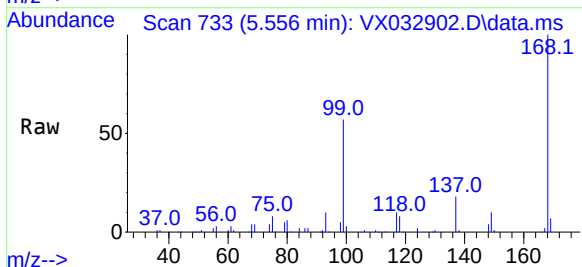
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20221115

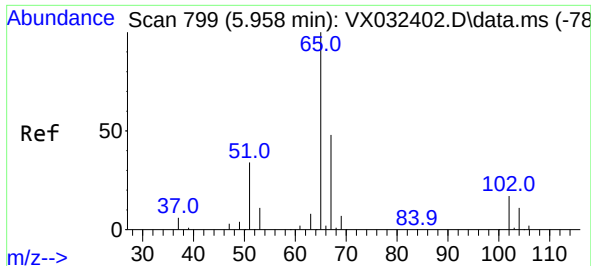
Tgt Ion: 96	Resp: 1669		
Ion	Ratio	Lower	Upper
96	100		
61	117.4	0.0	286.0
98	58.3	0.0	129.6



#31
Cyclohexane
Concen: 1.246 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

Tgt Ion: 56	Resp: 2229		
Ion Ratio	Lower	Upper	
56 100			
69 139.4	24.1	36.1#	
84 84.2	66.9	100.3	





#33

1,2-Dichloroethane-d4

Concen: 50.760 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX032902.D

Acq: 17 Nov 2022 16:02

Instrument :

MSVOA_X

ClientSampleId :

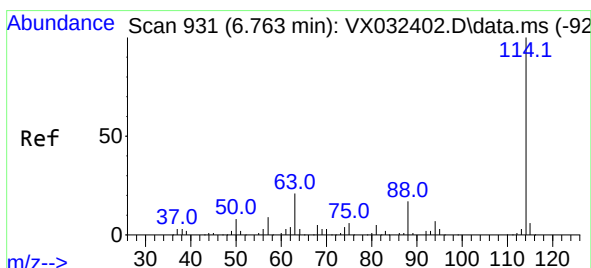
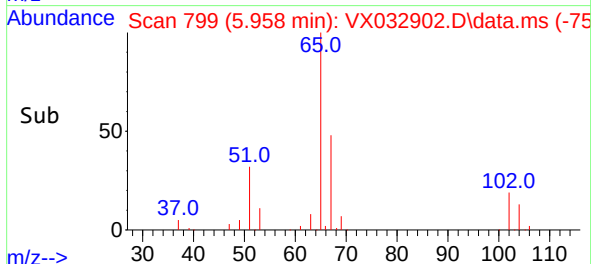
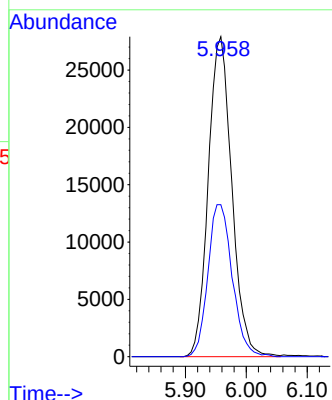
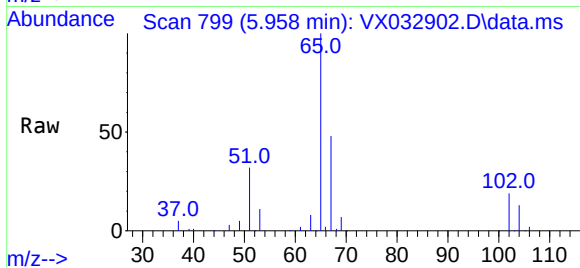
RE134D4-20221115

Tgt Ion: 65 Resp: 74918

Ion Ratio Lower Upper

65 100

67 49.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032902.D

Acq: 17 Nov 2022 16:02

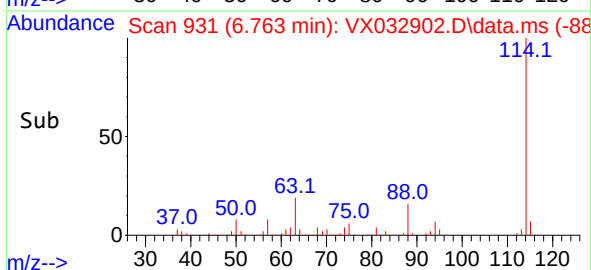
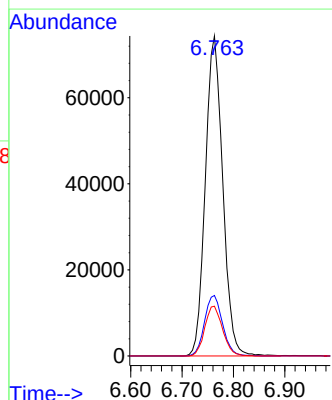
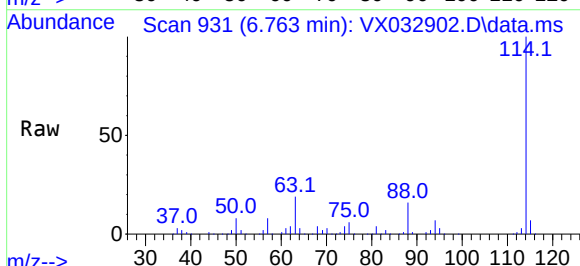
Tgt Ion: 114 Resp: 174726

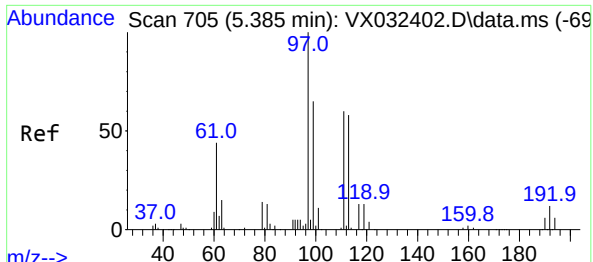
Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.6

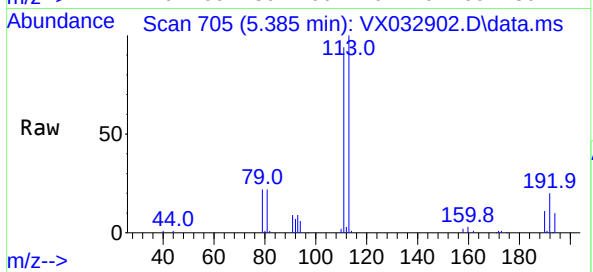
88 15.5 0.0 33.4



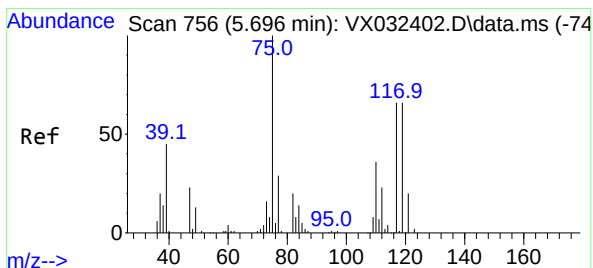
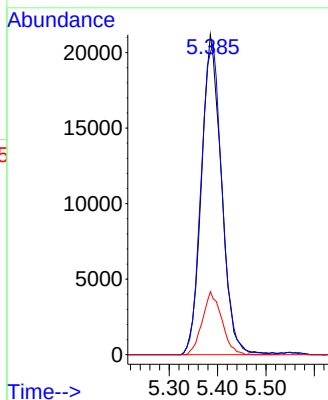
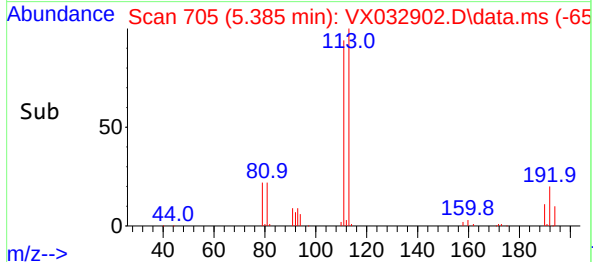


#35
Dibromofluoromethane
Concen: 48.664 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20221115

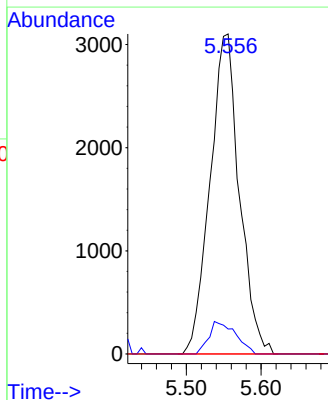
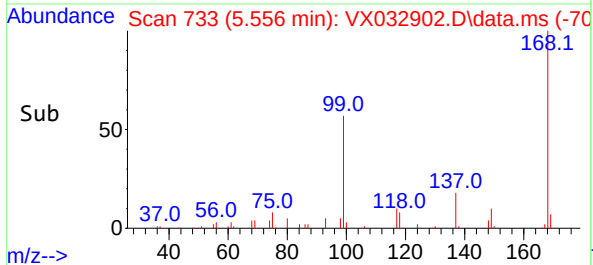
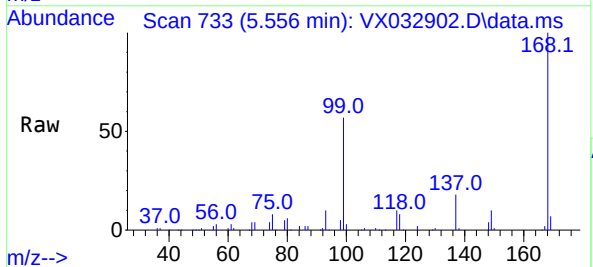


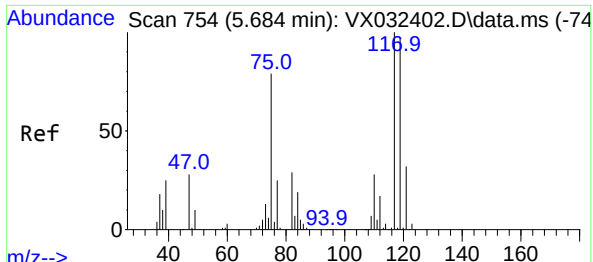
Tgt Ion:113 Resp: 60652
Ion Ratio Lower Upper
113 100
111 101.4 82.4 123.6
192 19.2 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.878 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

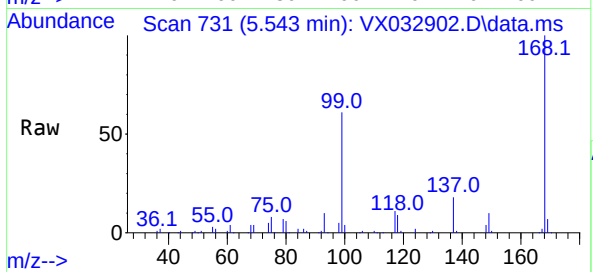
Tgt Ion: 75 Resp: 8466
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.0 24.5 36.7#



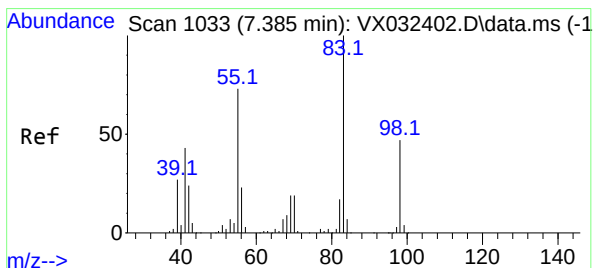
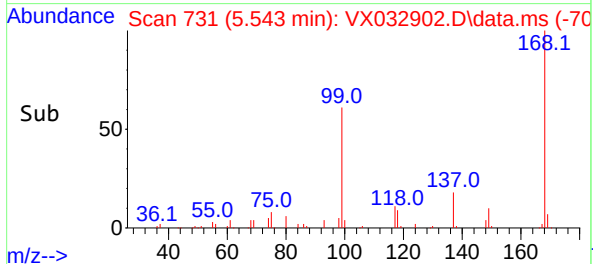
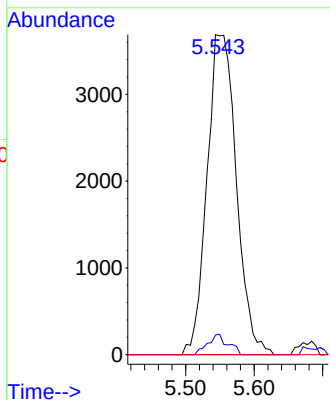


#38
Carbon Tetrachloride
Concen: 5.700 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20221115

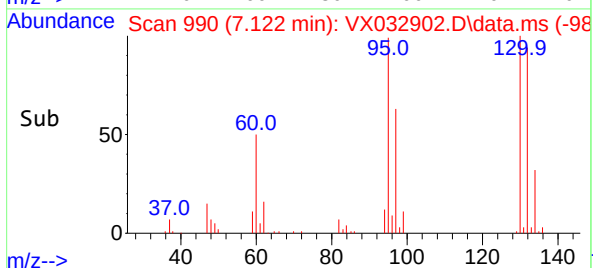
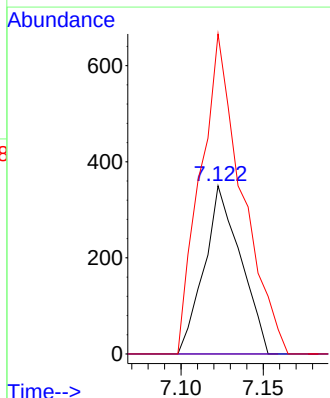
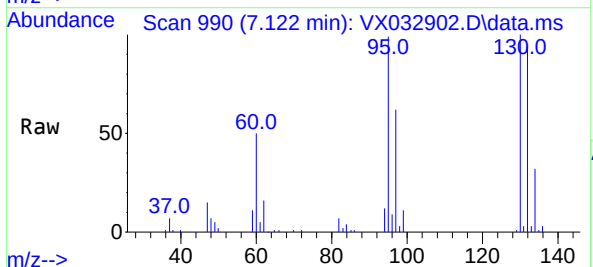


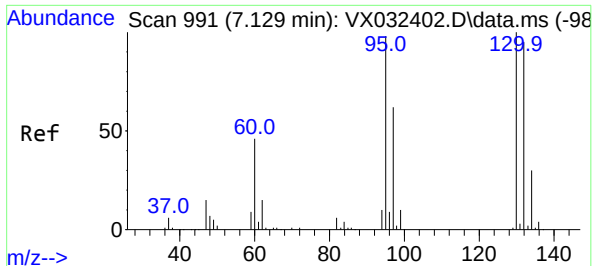
Tgt Ion:117 Resp: 10973
Ion Ratio Lower Upper
117 100
119 6.1 77.2 115.8#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 0.262 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

Tgt Ion: 83 Resp: 538
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 190.3 37.2 55.8#

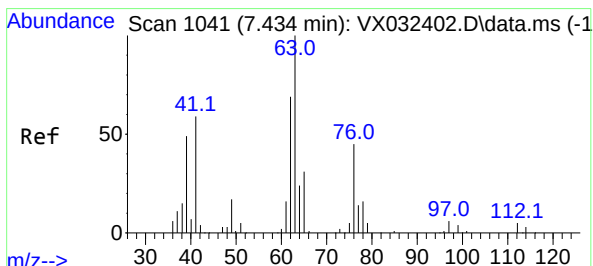
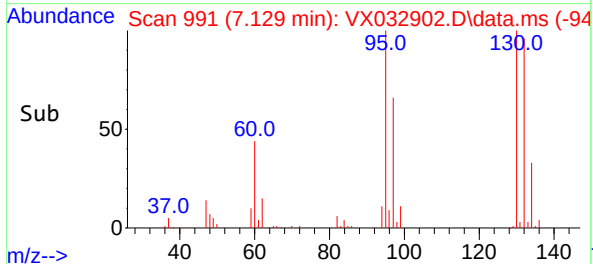
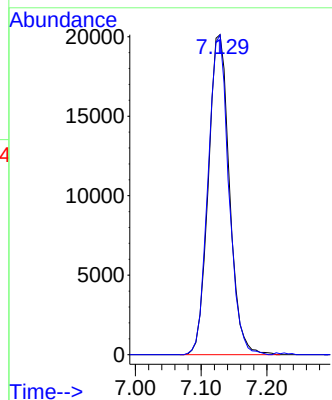
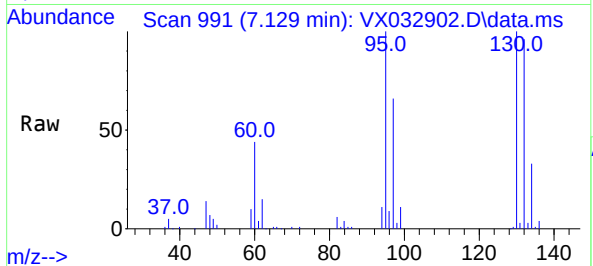




#44
Trichloroethene
Concen: 32.462 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

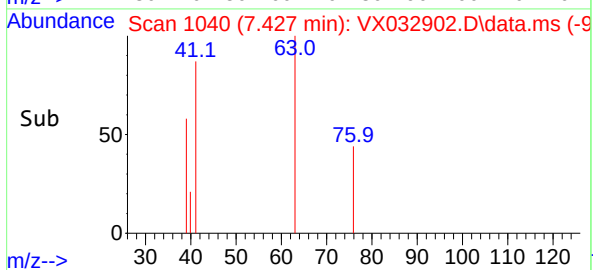
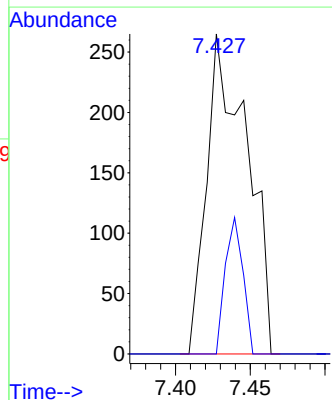
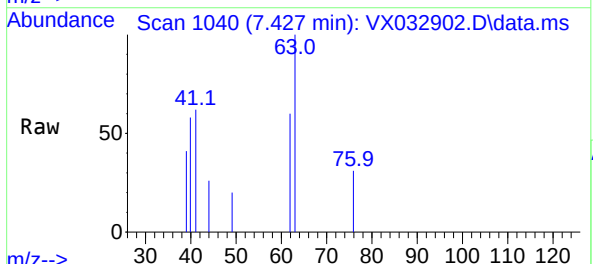
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20221115

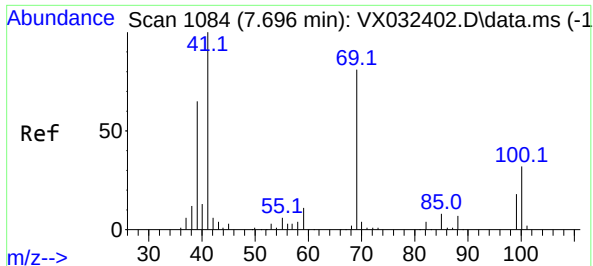
Tgt Ion:130 Resp: 44882
Ion Ratio Lower Upper
130 100
95 99.9 0.0 195.2



#45
1,2-Dichloropropane
Concen: 0.393 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

Tgt Ion: 63 Resp: 496
Ion Ratio Lower Upper
63 100
65 0.0 24.6 36.8#





#48

Methyl methacrylate

Concen: 0.210 ug/l

RT: 7.433 min Scan# 1041

Delta R.T. -0.262 min

Lab File: VX032902.D

Acq: 17 Nov 2022 16:02

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20221115

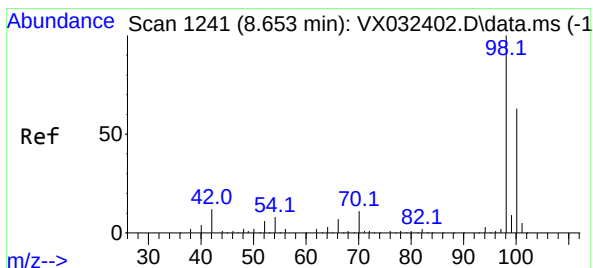
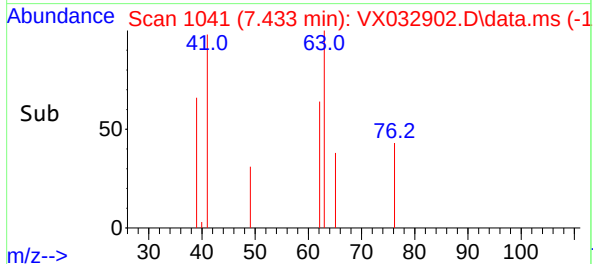
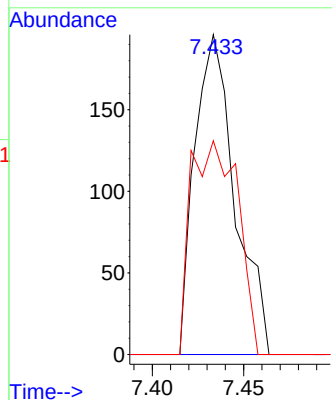
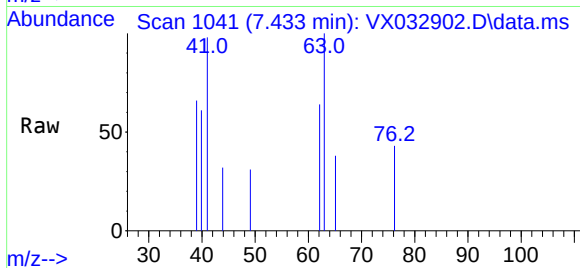
Tgt Ion: 41 Resp: 301

Ion Ratio Lower Upper

41 100

69 0.0 65.1 97.7#

39 78.1 51.9 77.9#



#50

Toluene-d8

Concen: 49.749 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032902.D

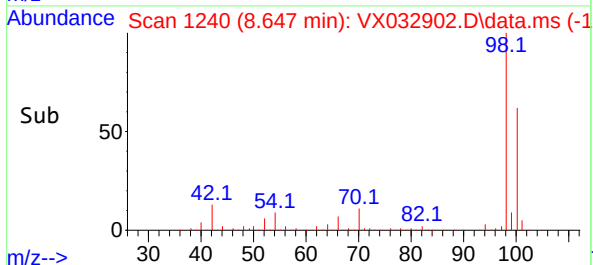
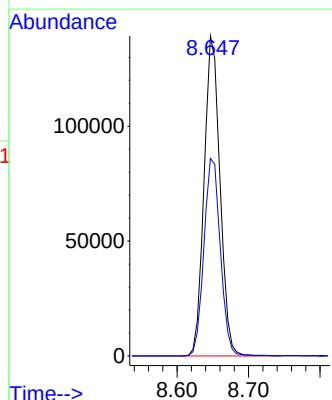
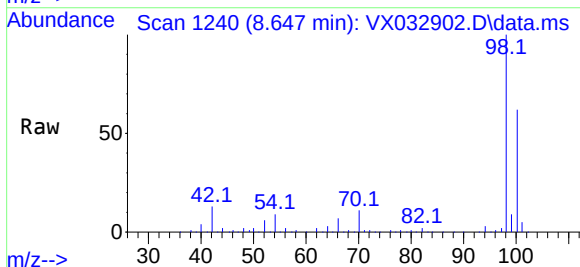
Acq: 17 Nov 2022 16:02

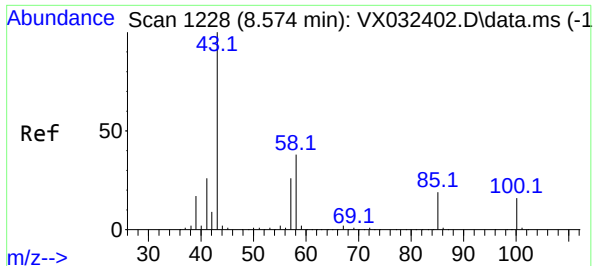
Tgt Ion: 98 Resp: 215600

Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.544 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX032902.D

Acq: 17 Nov 2022 16:02

Instrument :

MSVOA_X

ClientSampleId :

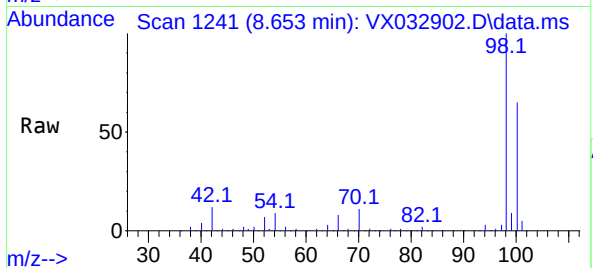
RE134D4-20221115

Tgt Ion: 43 Resp: 951

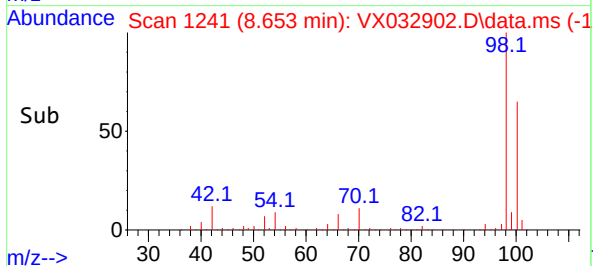
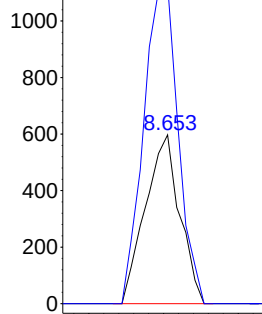
Ion Ratio Lower Upper

43 100

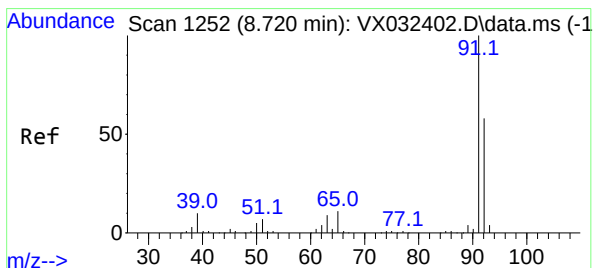
58 190.0 30.9 46.3#



Abundance



Time-->



#52

Toluene

Concen: 0.231 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX032902.D

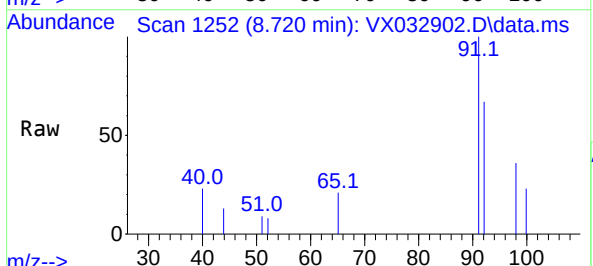
Acq: 17 Nov 2022 16:02

Tgt Ion: 92 Resp: 741

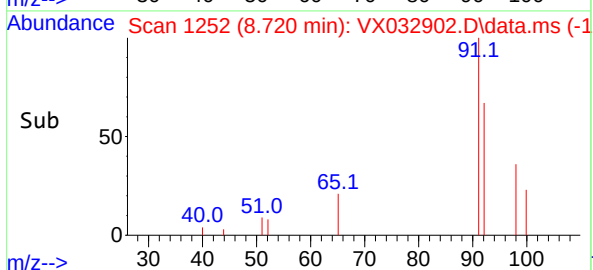
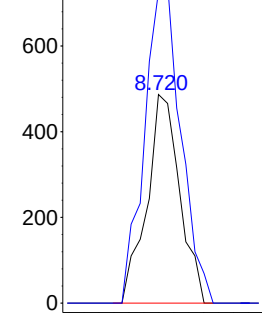
Ion Ratio Lower Upper

92 100

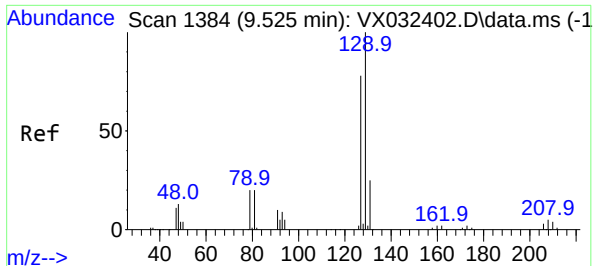
91 169.0 138.3 207.5



Abundance



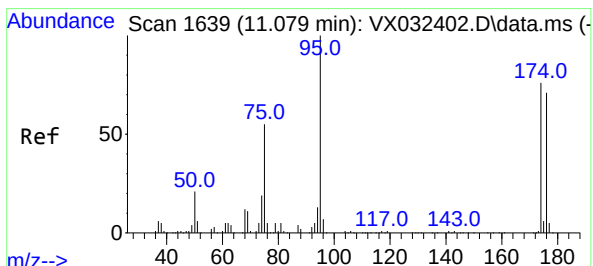
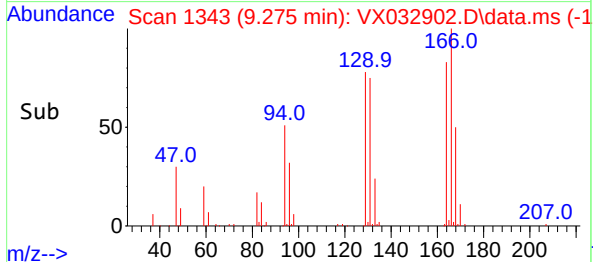
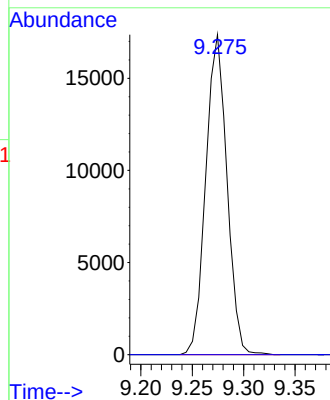
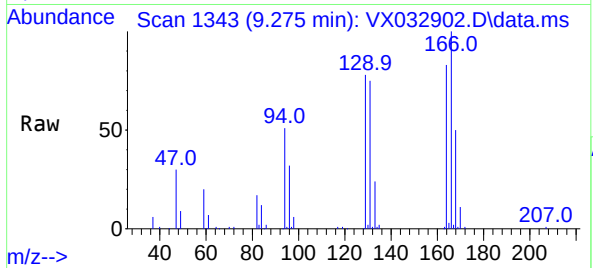
Time-->



#60
Dibromochloromethane
Concen: 16.891 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

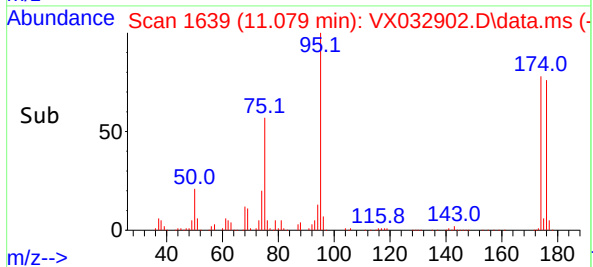
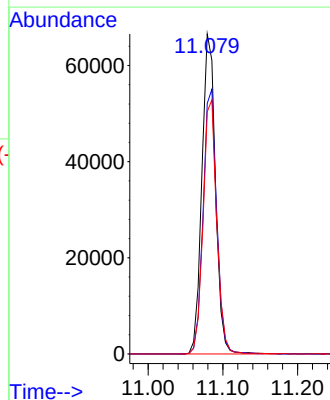
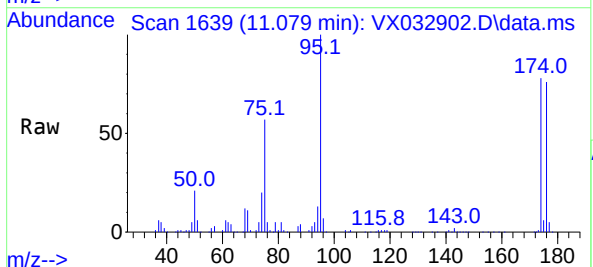
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20221115

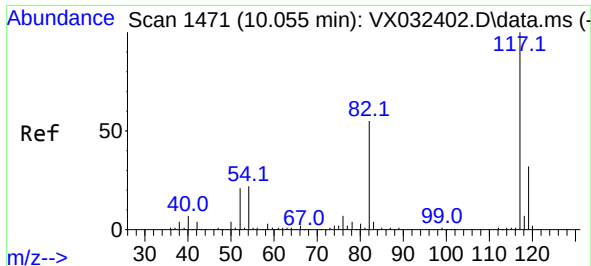
Tgt Ion:129 Resp: 24897
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 49.599 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

Tgt Ion: 95 Resp: 83965
Ion Ratio Lower Upper
95 100
174 82.9 0.0 164.0
176 79.9 0.0 154.4

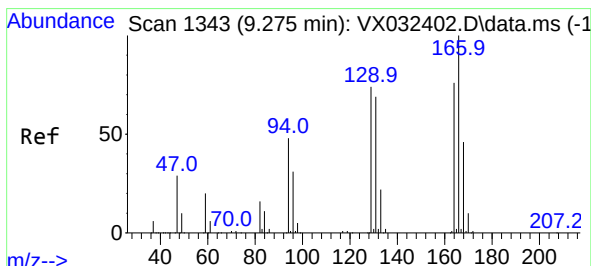
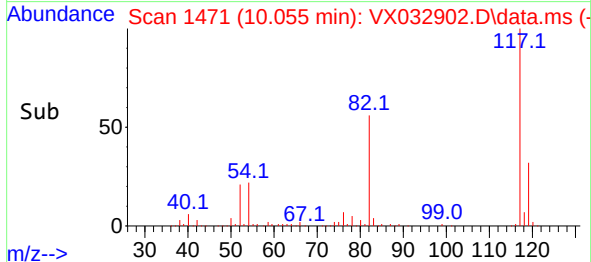
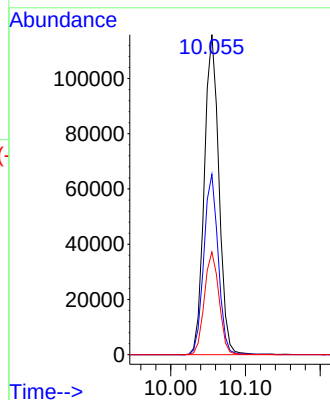
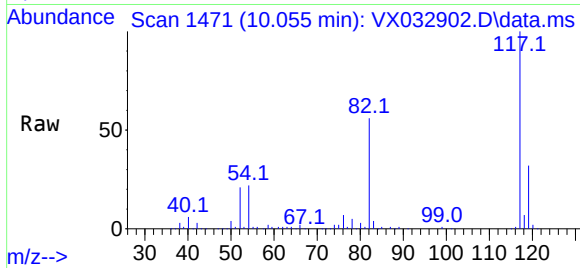




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

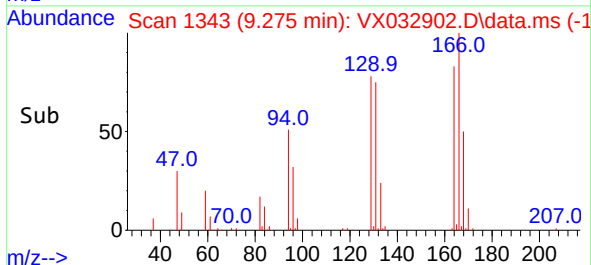
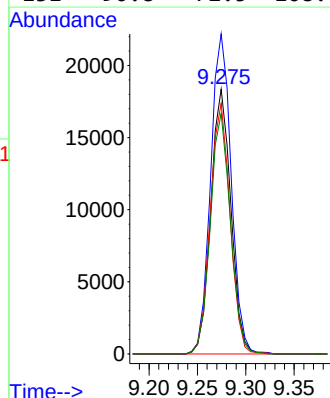
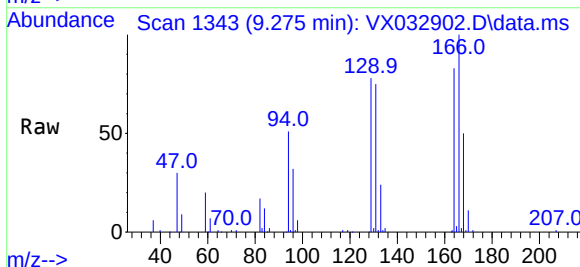
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20221115

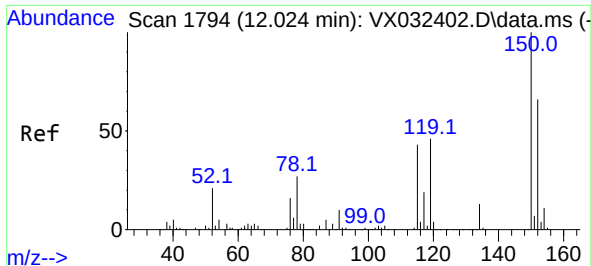
Tgt Ion:117 Resp: 157606
Ion Ratio Lower Upper
117 100
82 56.3 44.3 66.5
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 23.015 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

Tgt Ion:164 Resp: 26549
Ion Ratio Lower Upper
164 100
166 120.8 105.4 158.2
129 94.6 78.2 117.2
131 90.8 72.5 108.7

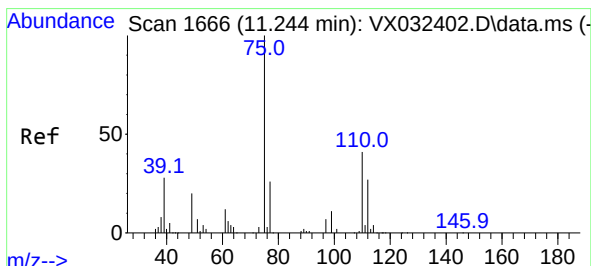
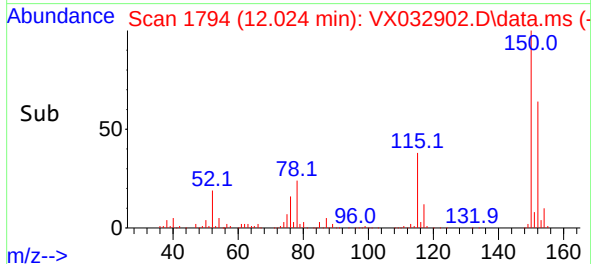
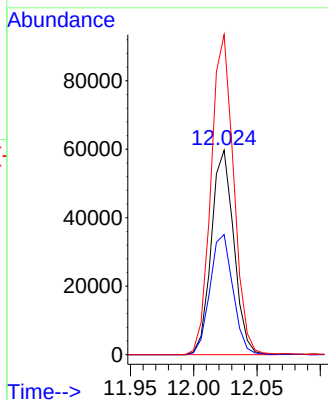
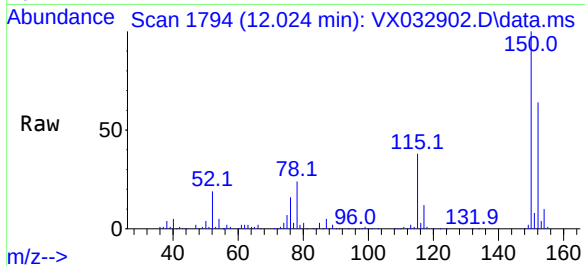




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

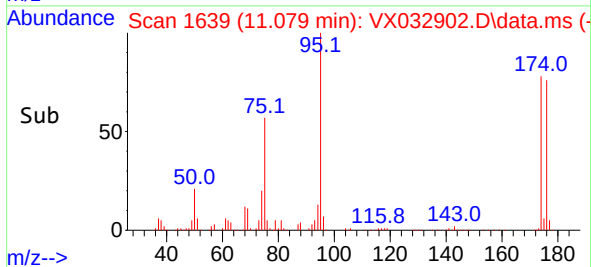
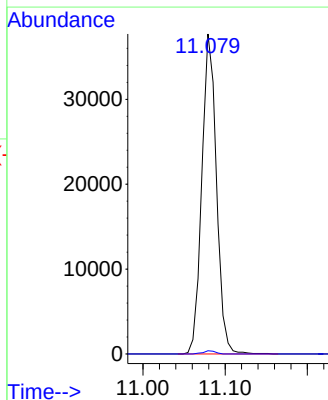
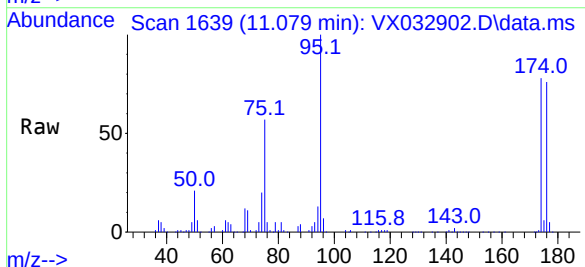
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20221115

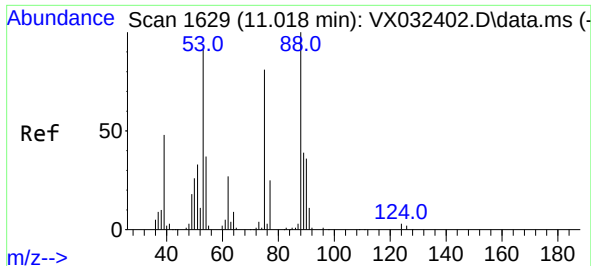
Tgt Ion:152 Resp: 73891
Ion Ratio Lower Upper
152 100
115 60.3 44.0 132.0
150 157.9 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 28.368 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032902.D
Acq: 17 Nov 2022 16:02

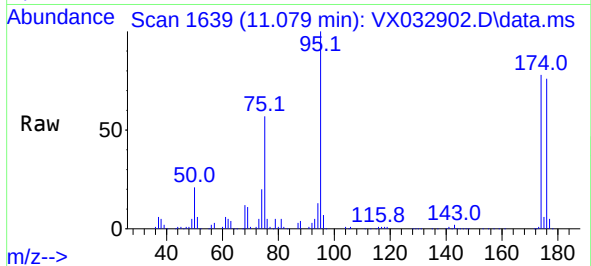
Tgt Ion: 75 Resp: 46634
Ion Ratio Lower Upper
75 100
77 0.8 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.268 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032902.D
 Acq: 17 Nov 2022 16:02

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20221115



Tgt Ion: 75 Resp: 46634
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

