

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
 Data File : VX033017.D
 Acq On : 23 Nov 2022 14:16
 Operator : JC/MD
 Sample : N5729-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20221117RE

Quant Time: Nov 24 04:06:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

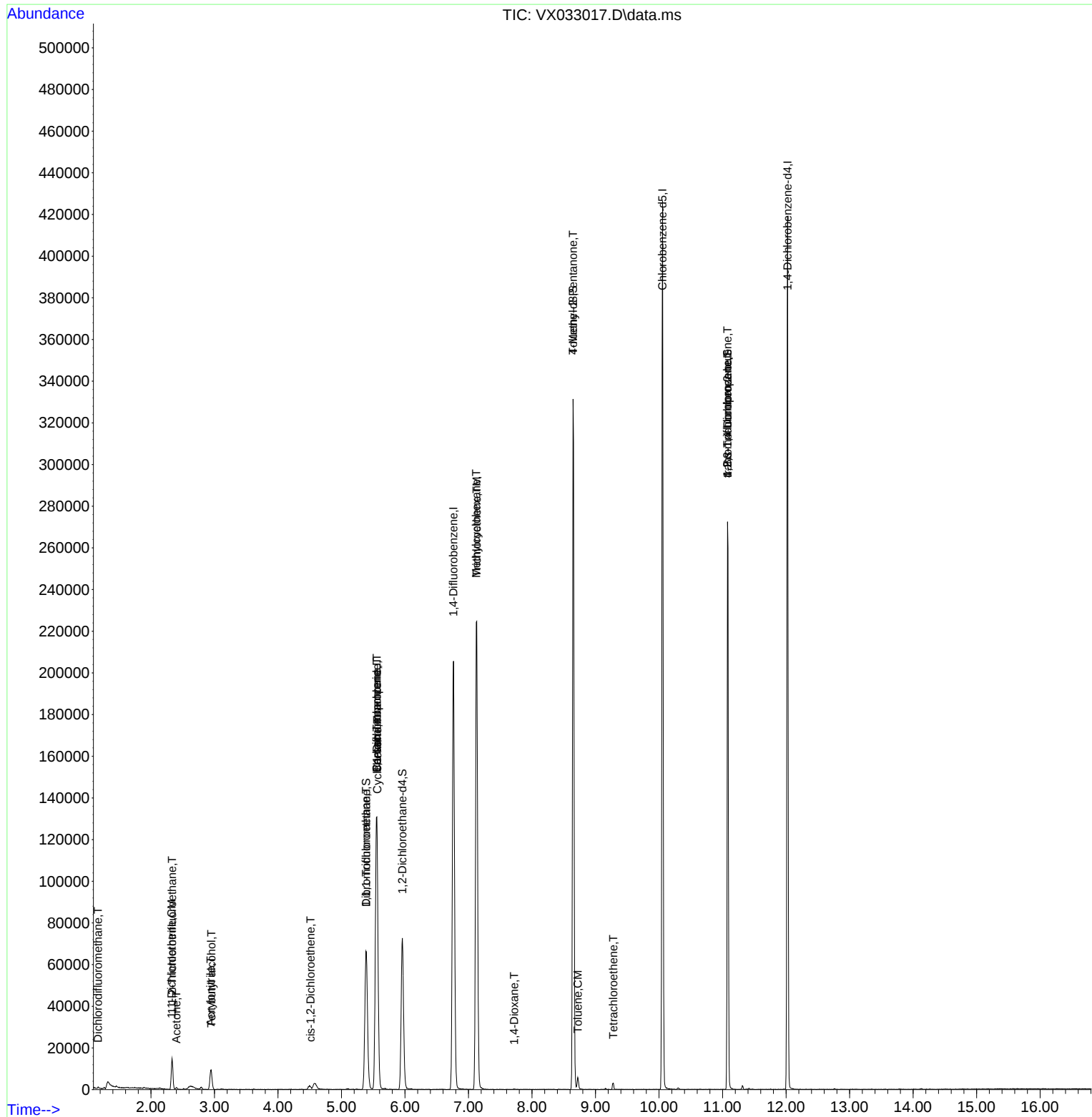
Internal Standards						
1) Pentafluorobenzene	5.556	168	127126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	206785	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72996	59.349	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	118.700%#
35) Dibromofluoromethane	5.385	113	57102	48.982	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.960%
50) Toluene-d8	8.647	98	197173	56.493	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	112.980%#
62) 4-Bromofluorobenzene	11.079	95	69313	45.262	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	415	0.427	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.331	101	5293	4.444	ug/l	99
11) Tert butyl alcohol	2.953	59	5604	28.555	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	665	0.599	ug/l	83
15) Acrylonitrile	2.941	53	117	0.211	ug/l #	17
16) Acetone	2.398	43	936	1.619	ug/l	99
20) Methylene Chloride	2.788	84	538	Below Cal	#	87
27) cis-1,2-Dichloroethene	4.513	96	1436	0.996	ug/l	83
31) Cyclohexane	5.562	56	2757	1.374	ug/l #	16
32) 1,1,1-Trichloroethane	5.385	97	1051	0.470	ug/l #	50
36) 1,1-Dichloropropene	5.556	75	9931	5.328	ug/l #	44
38) Carbon Tetrachloride	5.556	117	13070	6.321	ug/l #	16
39) Methylcyclohexane	7.123	83	1078	0.507	ug/l #	1
44) Trichloroethene	7.129	130	87734	59.824	ug/l	97
49) 1,4-Dioxane	7.720	88	123	4.827	ug/l #	40
51) 4-Methyl-2-Pentanone	8.647	43	879	0.530	ug/l #	1
52) Toluene	8.720	92	2214	0.644	ug/l	98
64) Tetrachloroethene	9.281	164	283	0.216	ug/l #	75
76) 1,2,3-Trichloropropane	11.079	75	37874	23.843	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37874	77.500	ug/l #	6

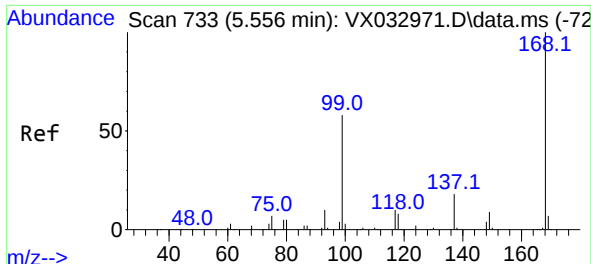
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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DUP02-20221117RE

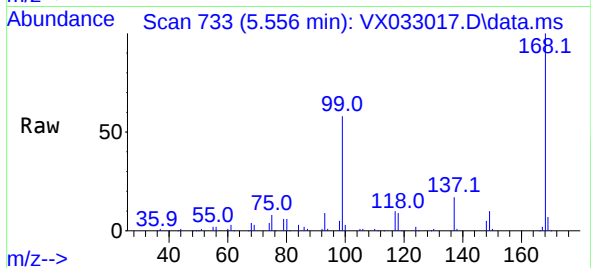
Quant Time: Nov 24 04:06:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 22 13:58:46 2022
Response via : Initial Calibration



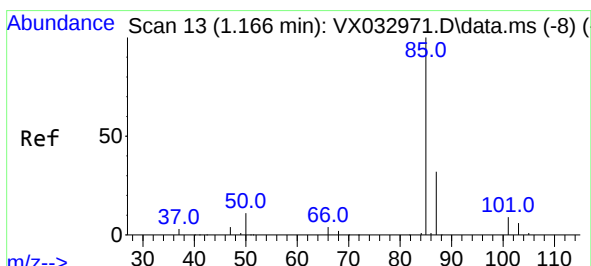
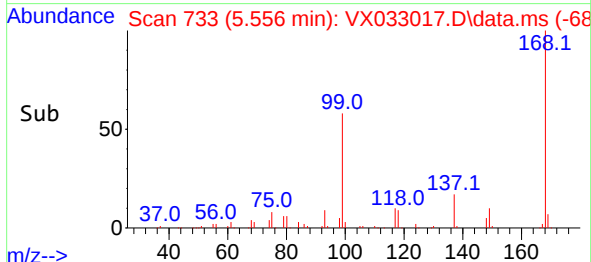
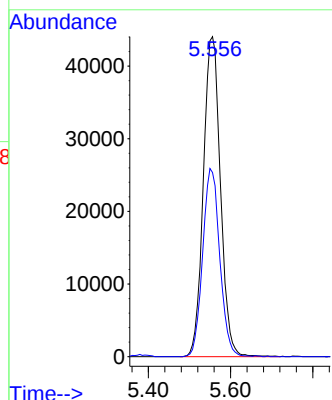


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

Instrument :
MSVOA_X
ClientSampleId :
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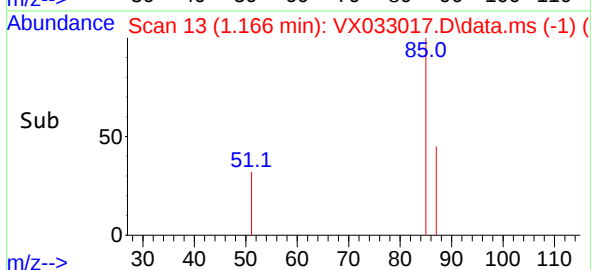
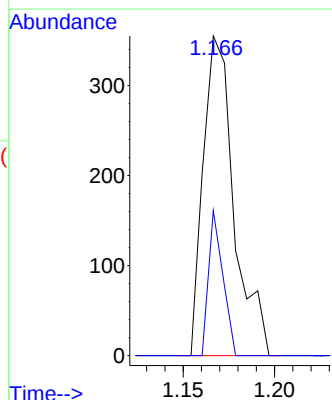
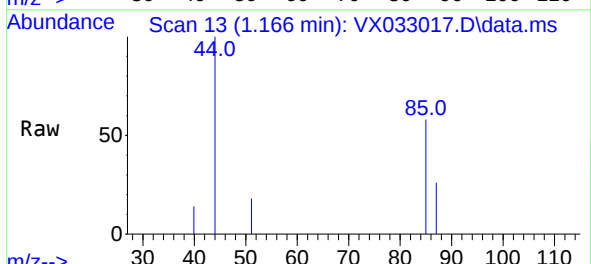


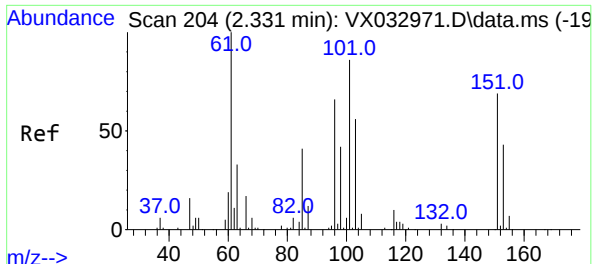
Tgt Ion:168 Resp: 127126
Ion Ratio Lower Upper
168 100
99 57.6 46.1 69.1



#2
Dichlorodifluoromethane
Concen: 0.427 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

Tgt Ion: 85 Resp: 415
Ion Ratio Lower Upper
85 100
87 45.4 15.6 46.7

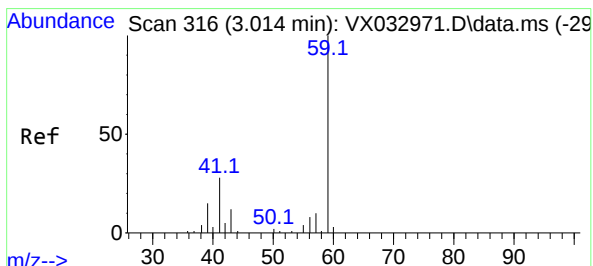
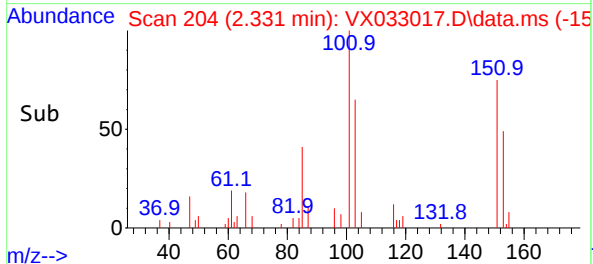
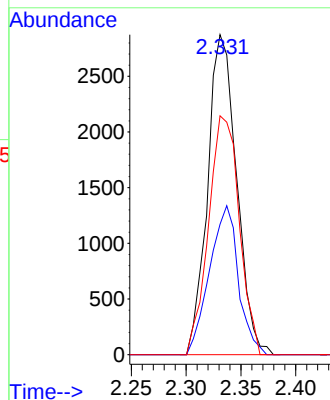
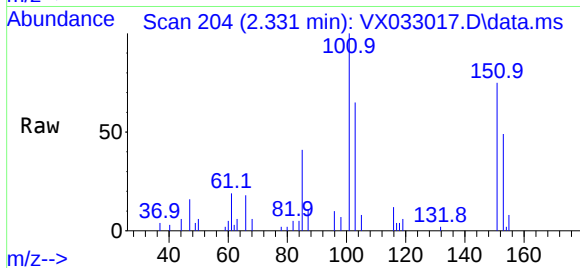




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.444 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

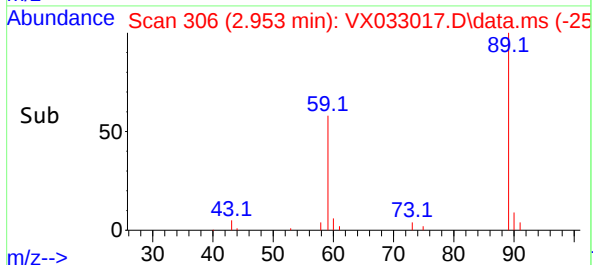
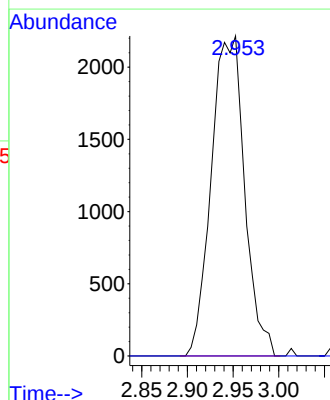
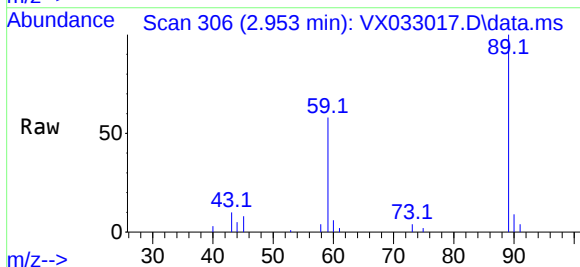
Instrument :
MSVOA_X
ClientSampleId :
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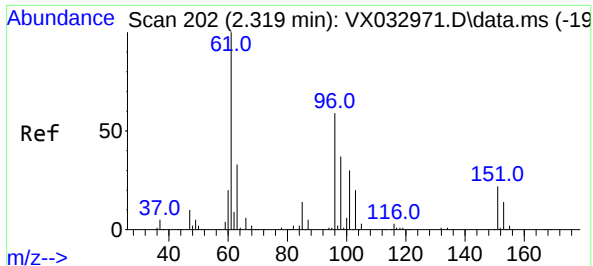
Tgt Ion:101 Resp: 5293
Ion Ratio Lower Upper
101 100
85 46.2 37.0 55.4
151 78.9 64.4 96.6



#11
Tert butyl alcohol
Concen: 28.555 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

Tgt Ion: 59 Resp: 5604
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

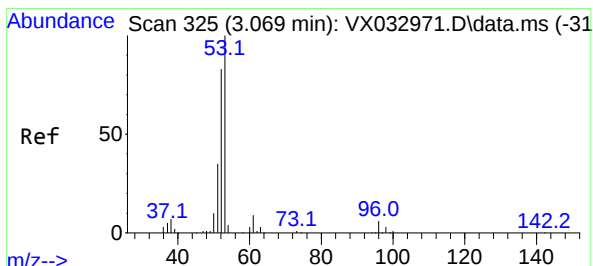
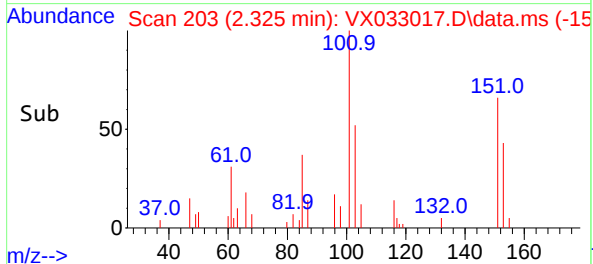
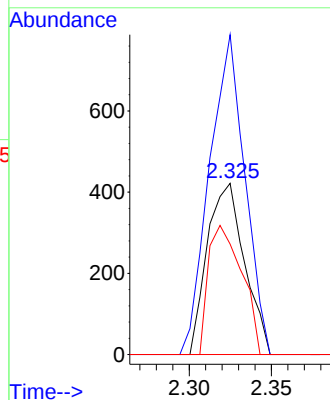
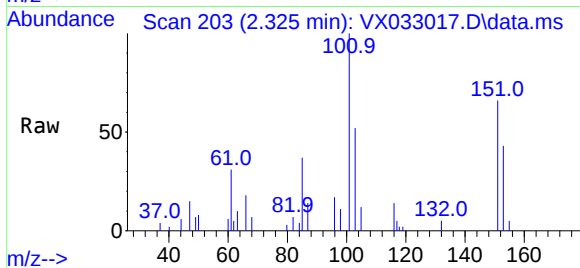




#12
1,1-Dichloroethene
Concen: 0.599 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

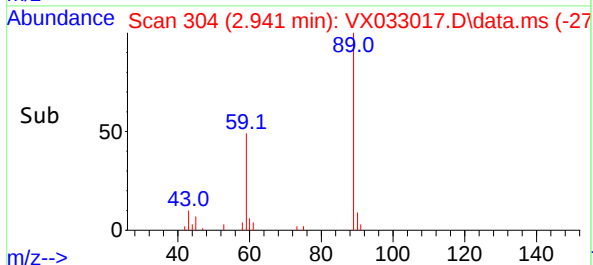
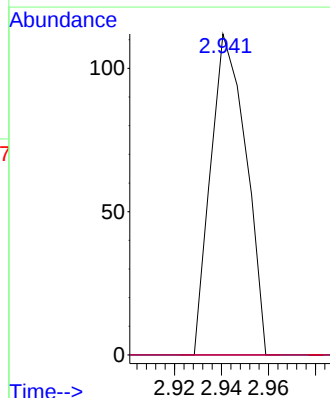
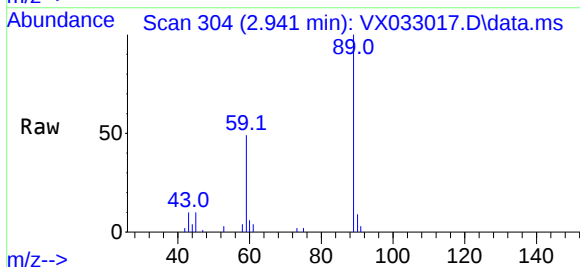
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117RE

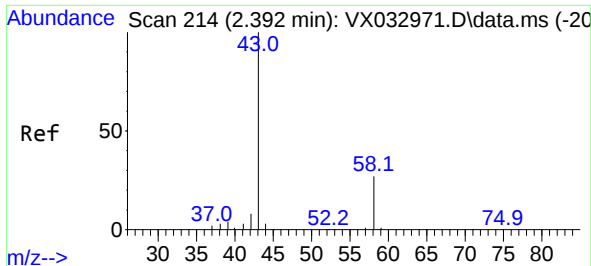
Tgt Ion: 96 Resp: 665
Ion Ratio Lower Upper
96 100
61 186.7 125.1 187.7
98 64.5 50.6 76.0



#15
Acrylonitrile
Concen: 0.211 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.121 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

Tgt Ion: 53 Resp: 117
Ion Ratio Lower Upper
53 100
52 0.0 67.4 101.0#
51 0.0 30.3 45.5#

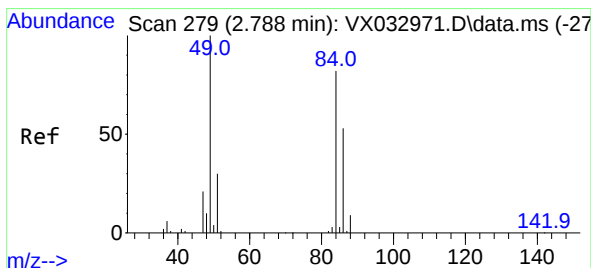
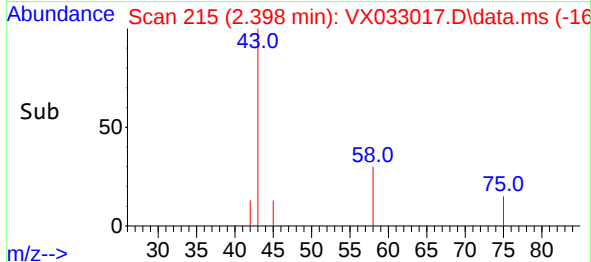
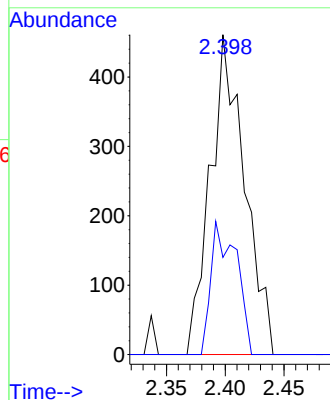
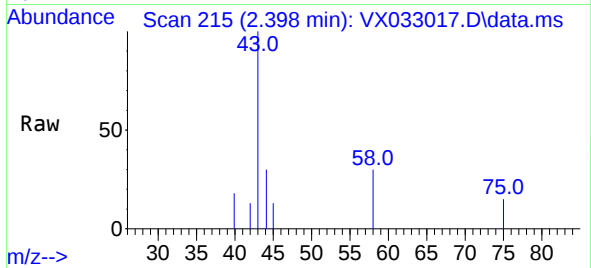




#16
Acetone
Concen: 1.619 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.018 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

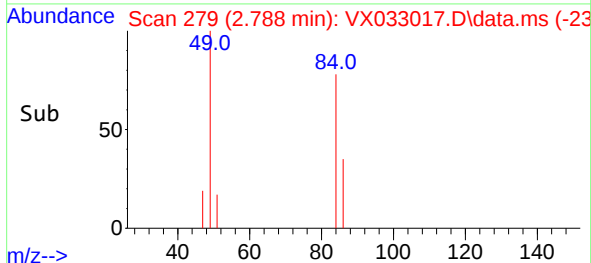
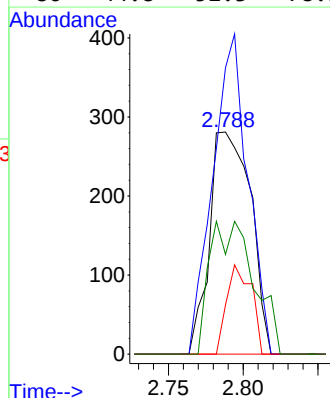
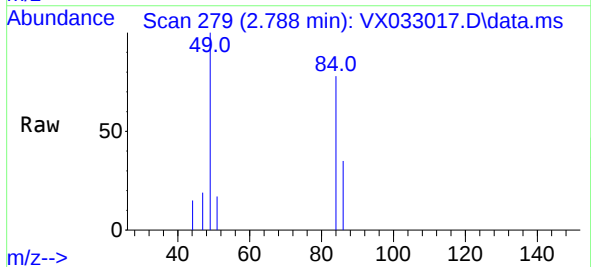
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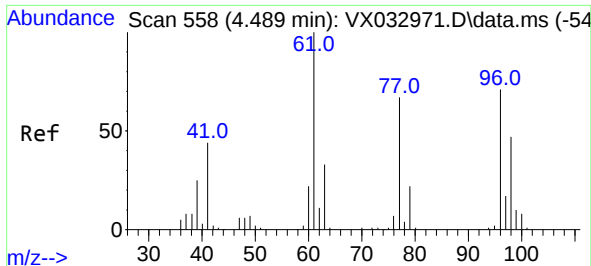
Tgt Ion: 43 Resp: 936
Ion Ratio Lower Upper
43 100
58 30.4 23.8 35.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

Tgt Ion: 84 Resp: 538
Ion Ratio Lower Upper
84 100
49 128.8 101.0 151.6
51 22.1 31.1 46.7#
86 44.8 52.3 78.5#

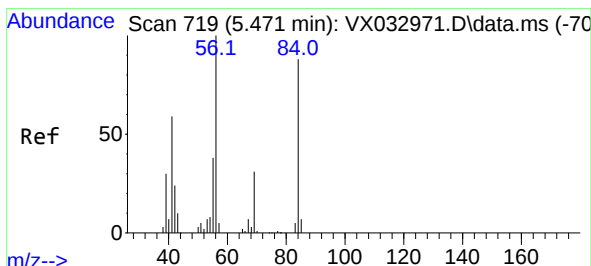
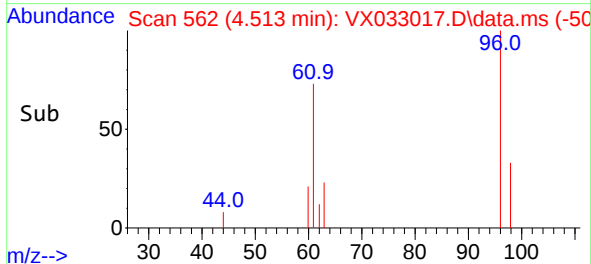
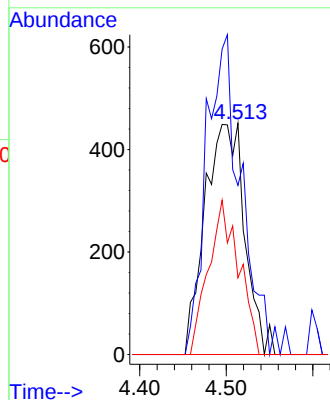
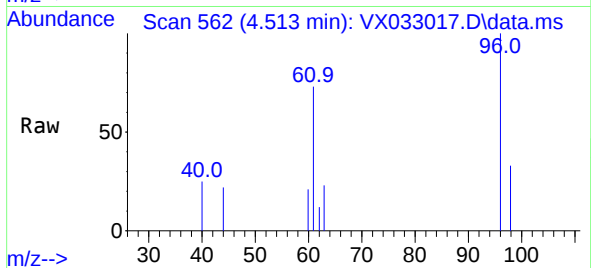




#27
cis-1,2-Dichloroethene
Concen: 0.996 ug/l
RT: 4.513 min Scan# 50
Delta R.T. 0.024 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

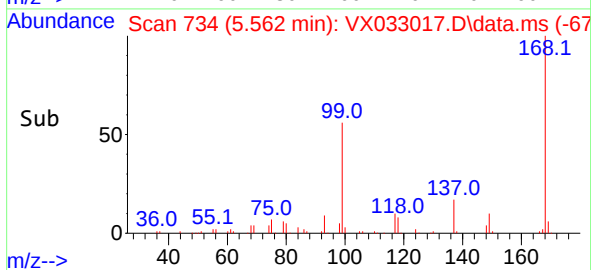
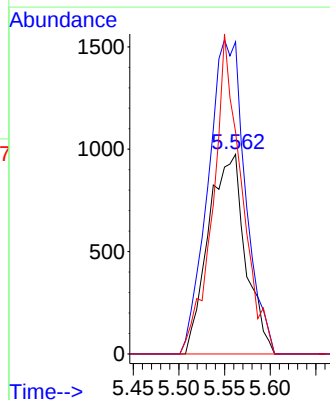
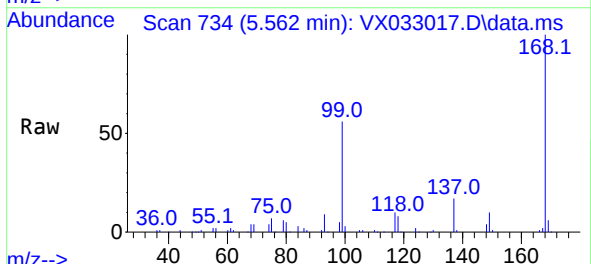
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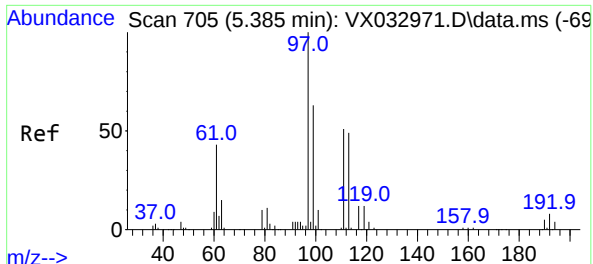
Tgt Ion: 96 Resp: 1436
Ion Ratio Lower Upper
96 100
61 121.4 0.0 286.0
98 51.3 0.0 129.6



#31
Cyclohexane
Concen: 1.374 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.092 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

Tgt Ion: 56 Resp: 2757
Ion Ratio Lower Upper
56 100
69 156.4 24.1 36.1#
84 111.3 66.9 100.3#

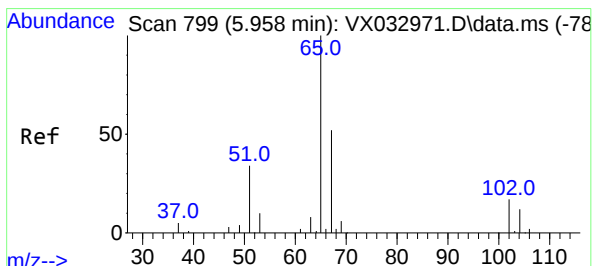
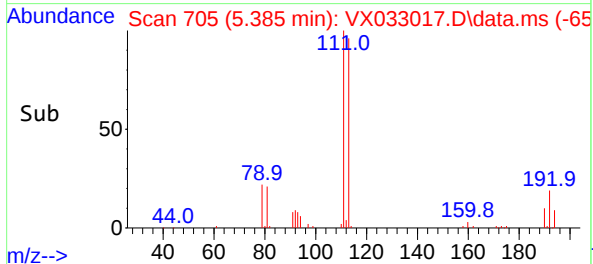
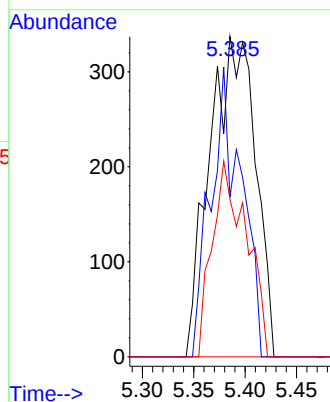
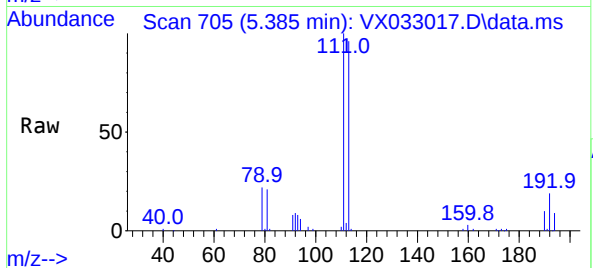




#32
1,1,1-Trichloroethane
Concen: 0.470 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

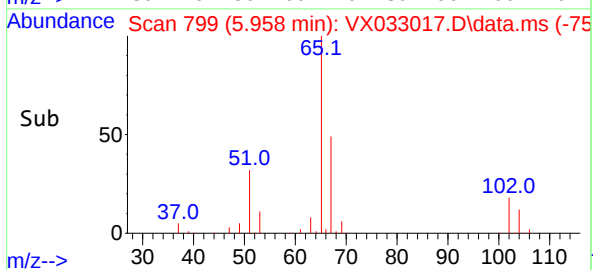
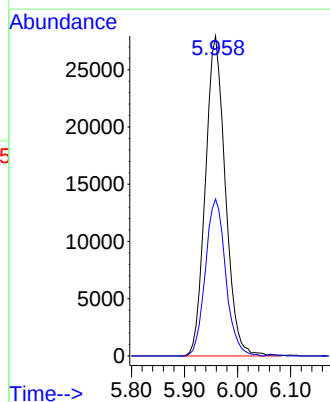
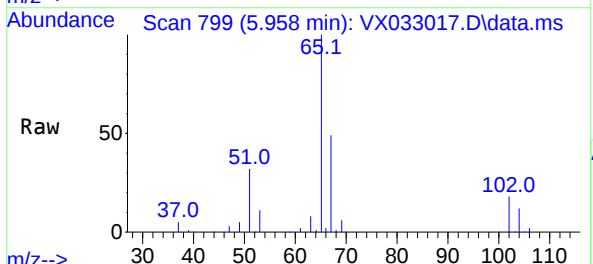
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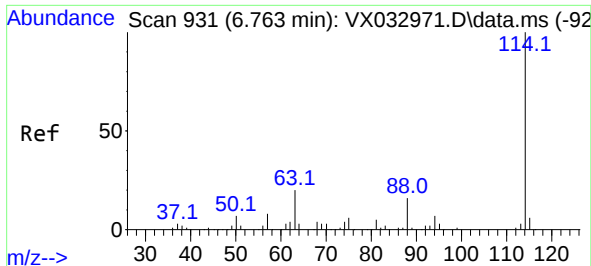
Tgt Ion: 97 Resp: 1051
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 45.7 35.2 52.8



#33
1,2-Dichloroethane-d4
Concen: 59.349 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

Tgt Ion: 65 Resp: 72996
Ion Ratio Lower Upper
65 100
67 49.8 0.0 101.8

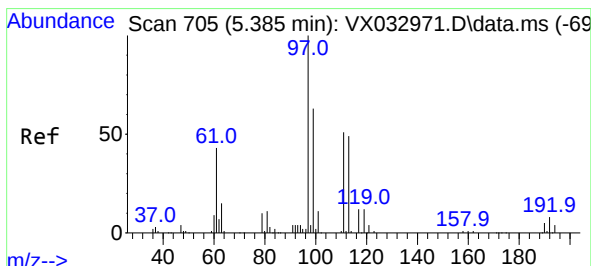
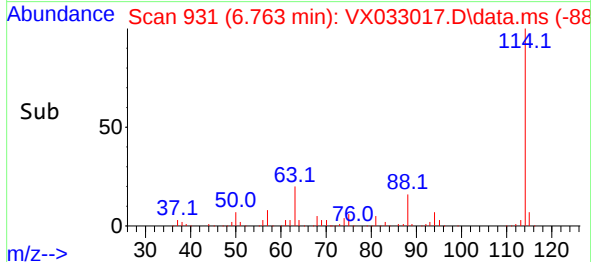
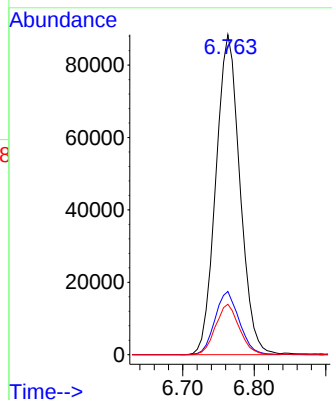
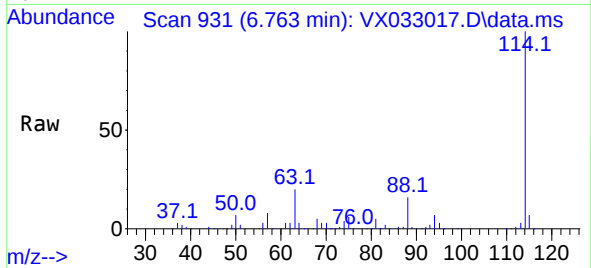




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

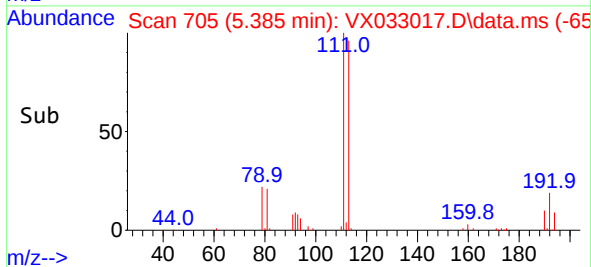
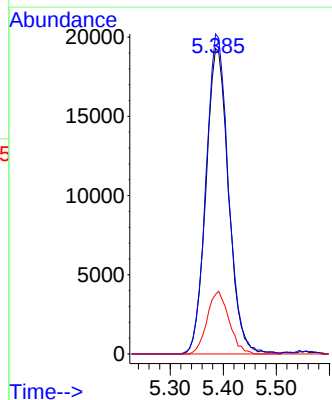
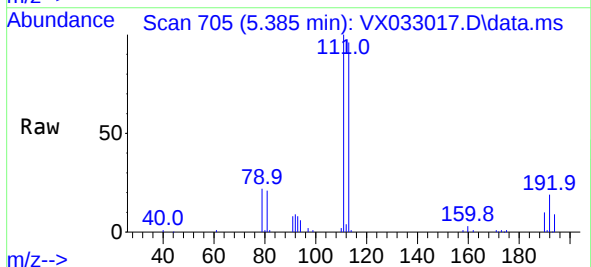
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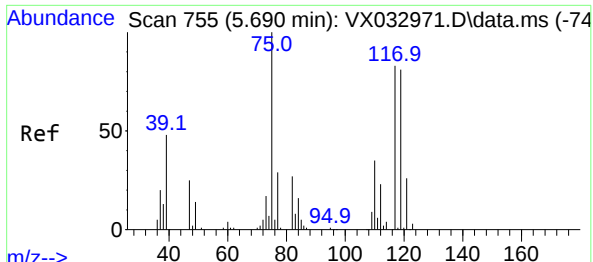
Tgt Ion:114 Resp: 206785
Ion Ratio Lower Upper
114 100
63 19.7 0.0 41.6
88 15.8 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.982 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

Tgt Ion:113 Resp: 57102
Ion Ratio Lower Upper
113 100
111 103.7 82.4 123.6
192 19.8 15.4 23.2

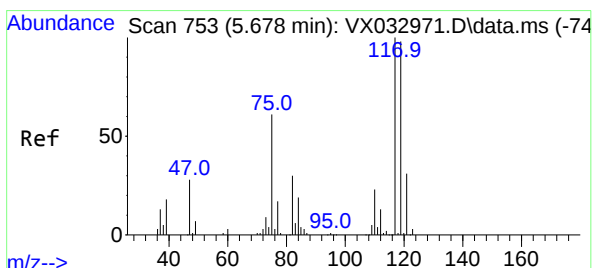
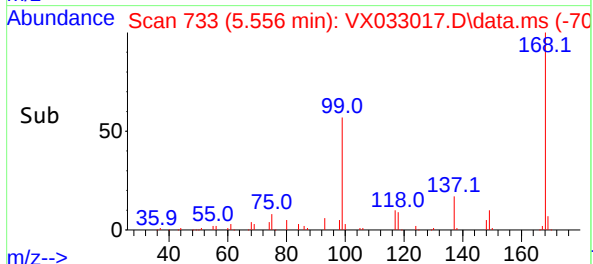
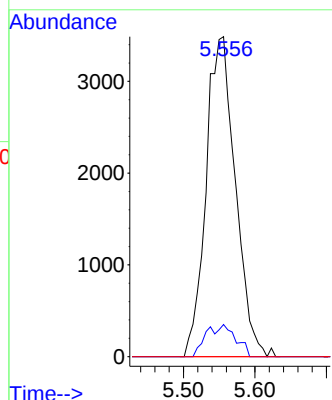
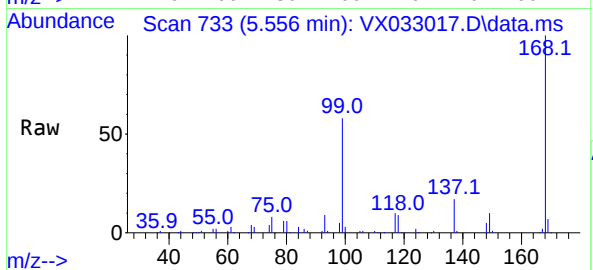




#36
1,1-Dichloropropene
Concen: 5.328 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

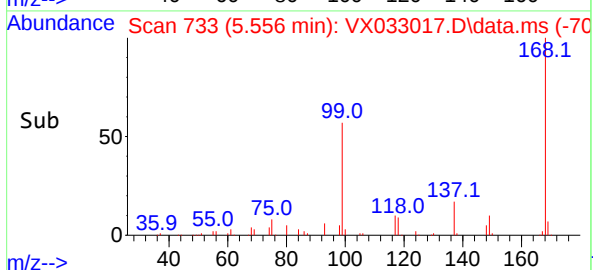
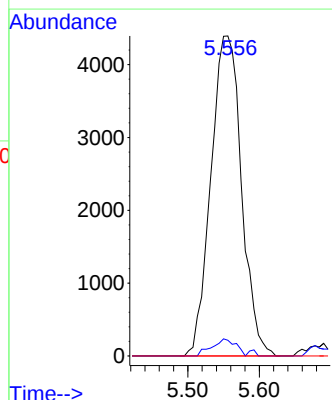
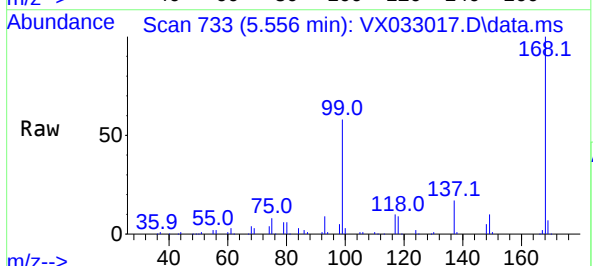
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117RE

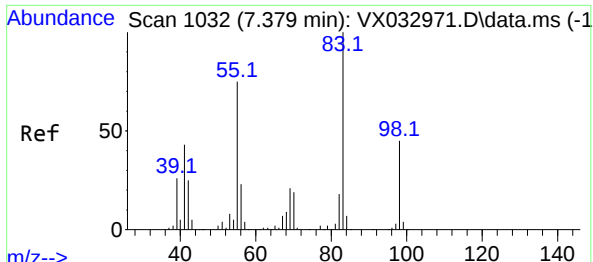
Tgt Ion: 75 Resp: 9931
Ion Ratio Lower Upper
75 100
110 4.0 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.321 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

Tgt Ion: 117 Resp: 13070
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 25.8 38.6#

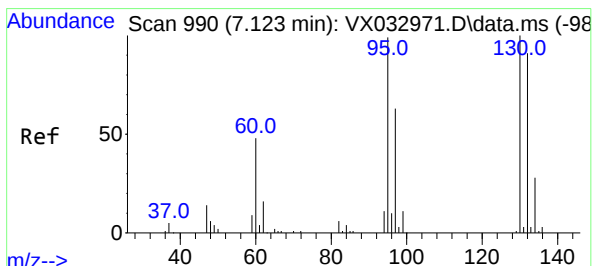
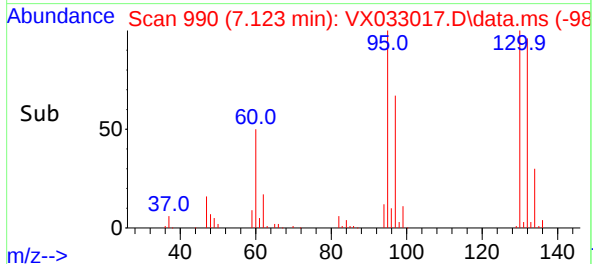
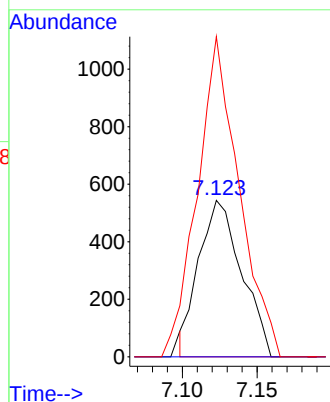
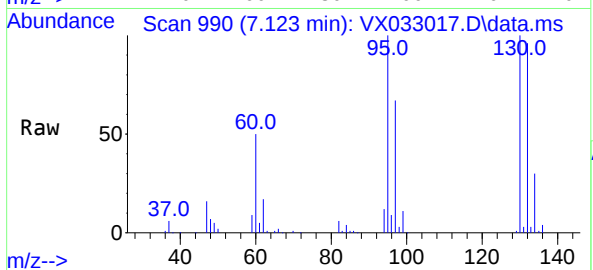




#39
Methylcyclohexane
Concen: 0.507 ug/l
RT: 7.123 min Scan# 991
Delta R.T. -0.262 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

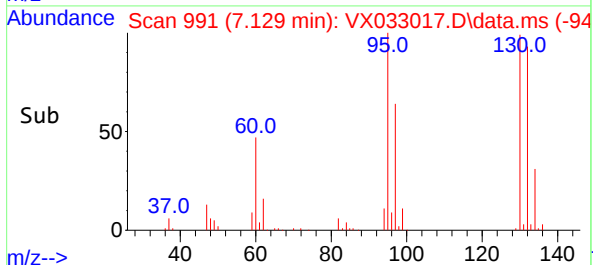
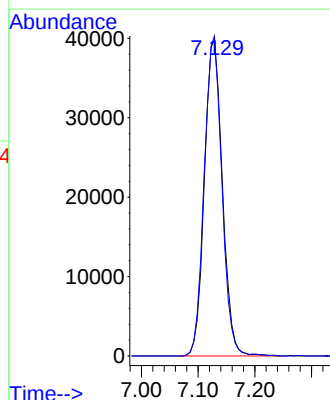
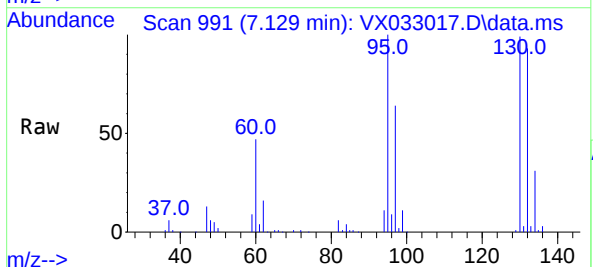
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117RE

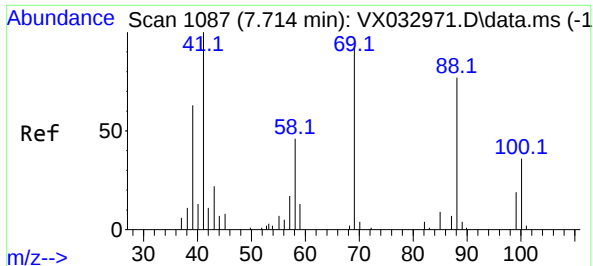
Tgt Ion: 83 Resp: 1078
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 204.6 37.2 55.8#



#44
Trichloroethene
Concen: 59.824 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

Tgt Ion:130 Resp: 87734
Ion Ratio Lower Upper
130 100
95 101.0 0.0 195.2





#49

1,4-Dioxane

Concen: 4.827 ug/l

RT: 7.720 min Scan# 1087

Delta R.T. 0.049 min

Lab File: VX033017.D

Acq: 23 Nov 2022 14:16

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20221117RE

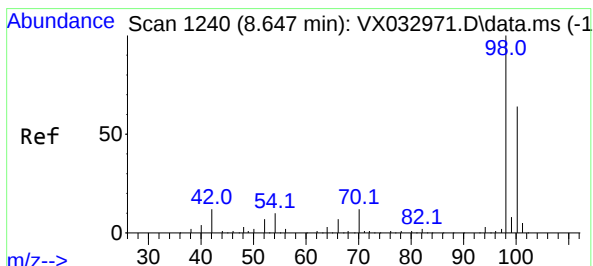
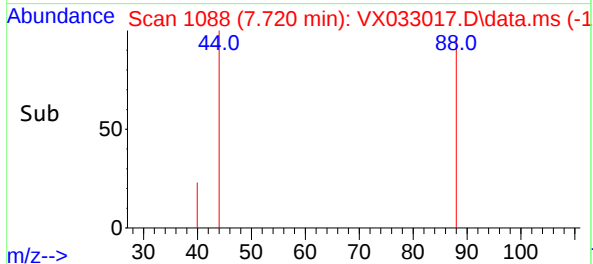
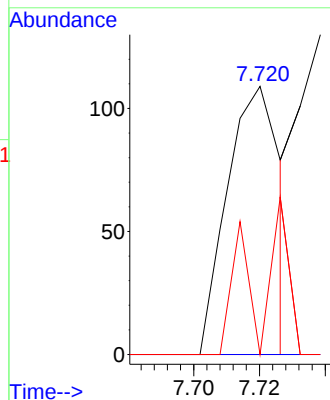
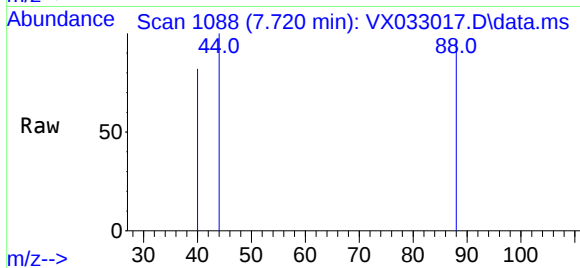
Tgt Ion: 88 Resp: 123

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

58 16.3 51.7 77.5#



#50

Toluene-d8

Concen: 56.493 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033017.D

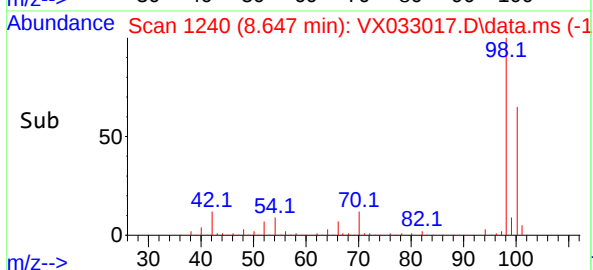
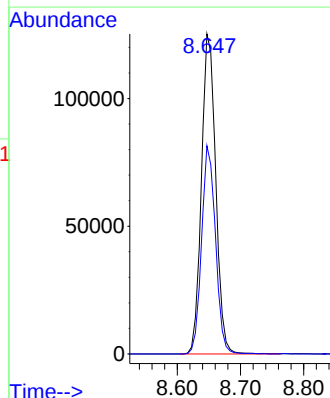
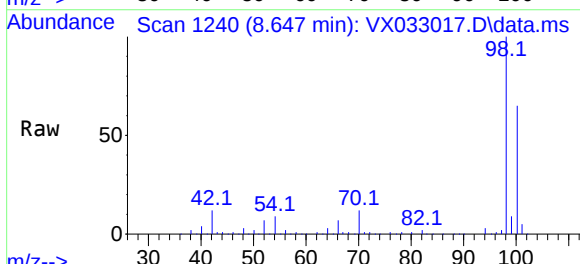
Acq: 23 Nov 2022 14:16

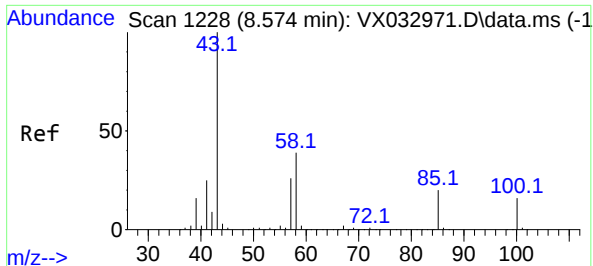
Tgt Ion: 98 Resp: 197173

Ion Ratio Lower Upper

98 100

100 63.4 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.530 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX033017.D

Acq: 23 Nov 2022 14:16

Instrument :

MSVOA_X

ClientSampleId :

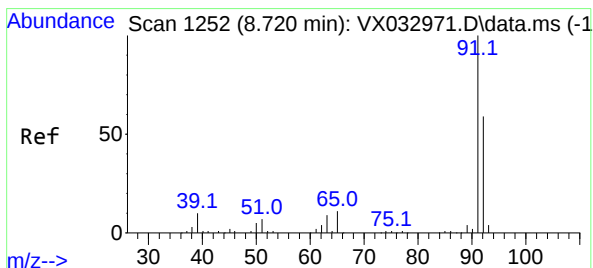
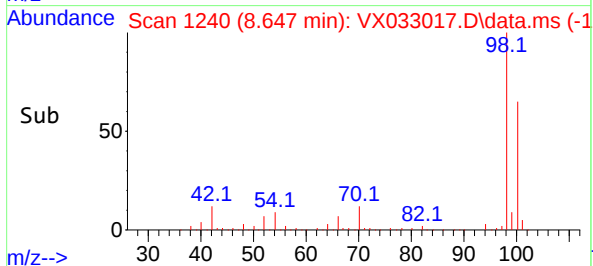
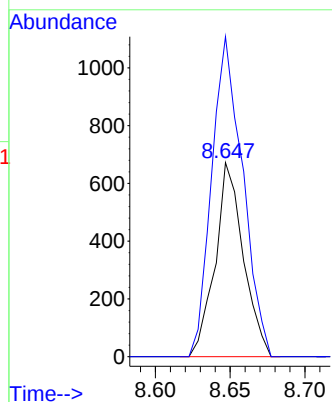
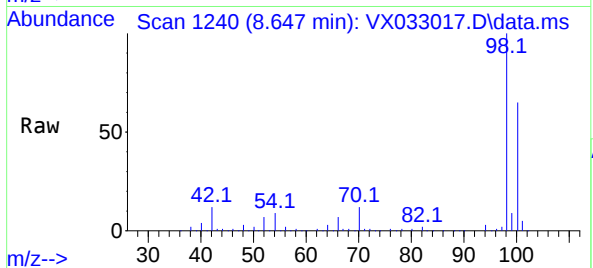
DUP02-20221117RE

Tgt Ion: 43 Resp: 879

Ion Ratio Lower Upper

43 100

58 181.5 30.9 46.3#



#52

Toluene

Concen: 0.644 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX033017.D

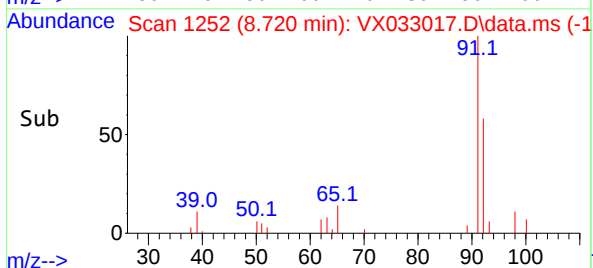
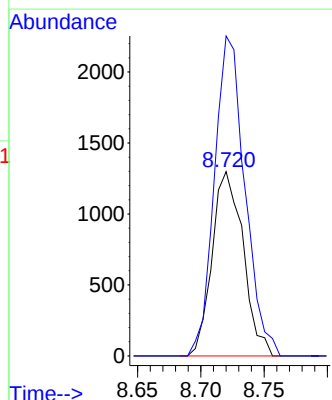
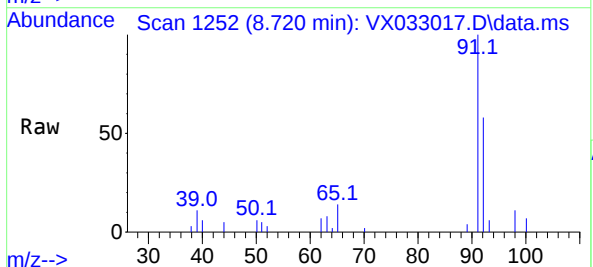
Acq: 23 Nov 2022 14:16

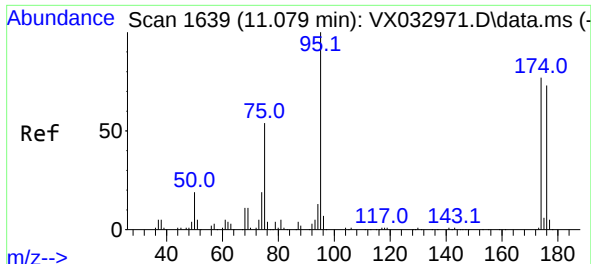
Tgt Ion: 92 Resp: 2214

Ion Ratio Lower Upper

92 100

91 170.7 138.3 207.5

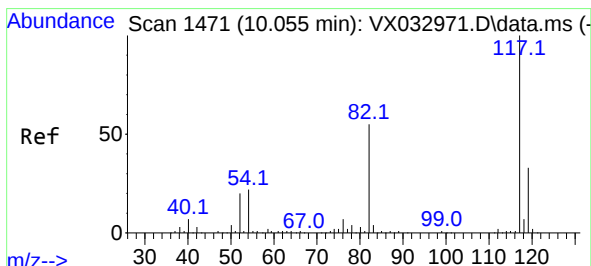
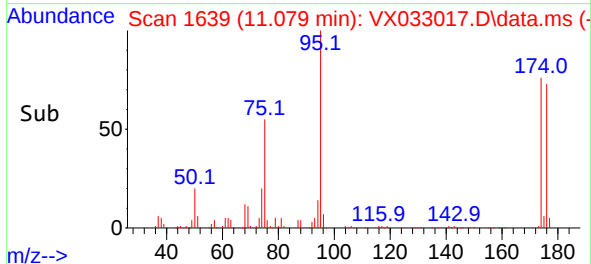
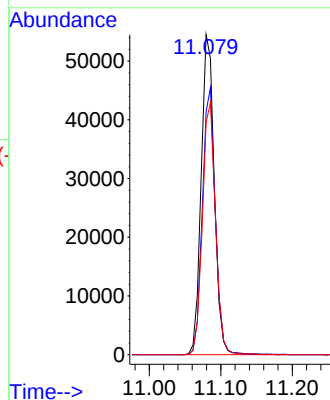
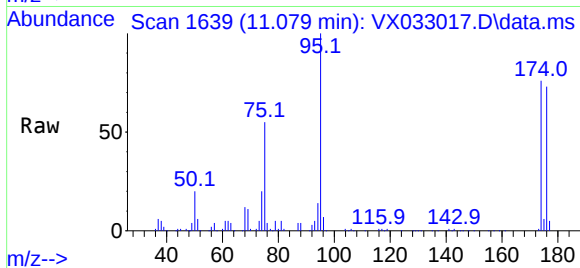




#62
4-Bromofluorobenzene
Concen: 45.262 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

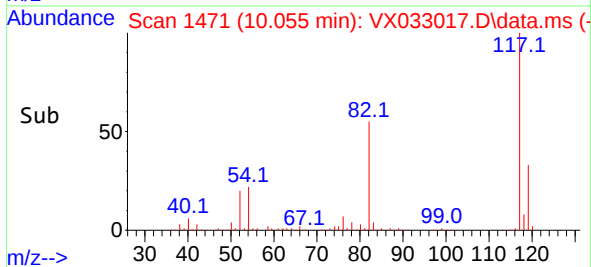
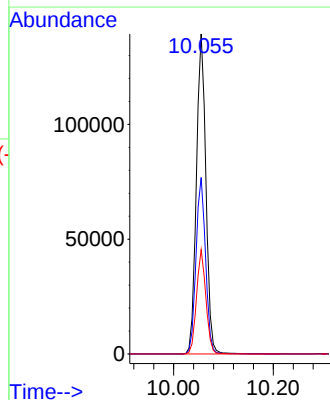
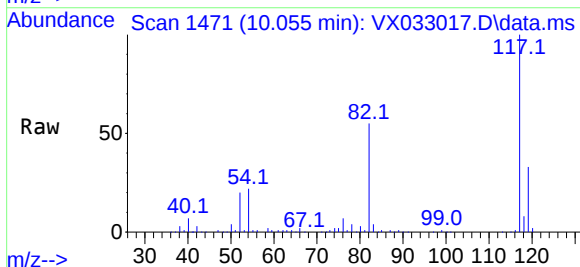
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117RE

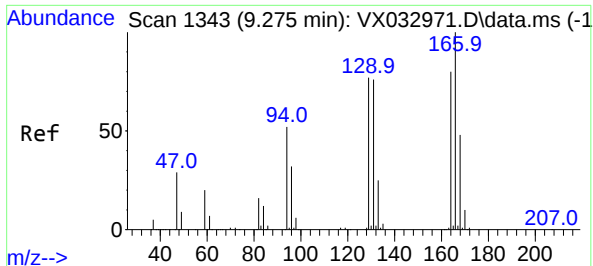
Tgt Ion: 95 Resp: 69313
Ion Ratio Lower Upper
95 100
174 82.6 0.0 164.0
176 78.6 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

Tgt Ion: 117 Resp: 184985
Ion Ratio Lower Upper
117 100
82 55.2 44.3 66.5
119 32.6 25.7 38.5



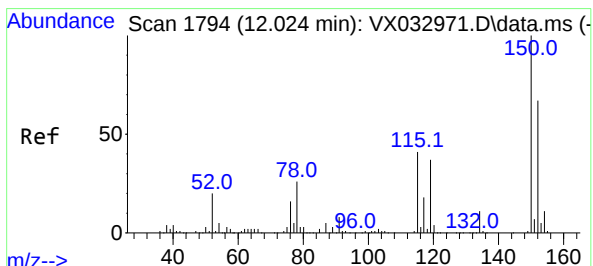
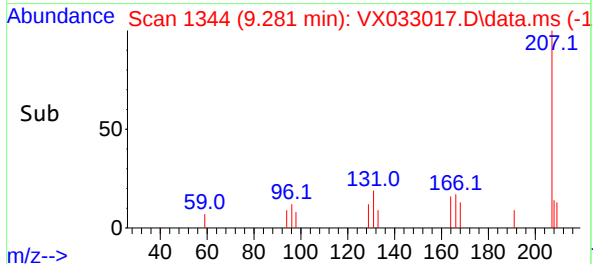
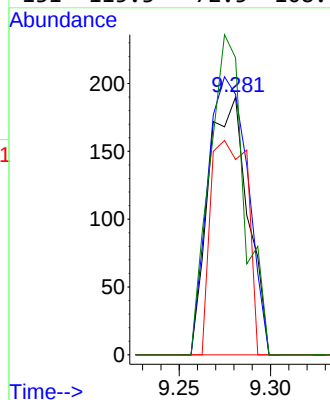
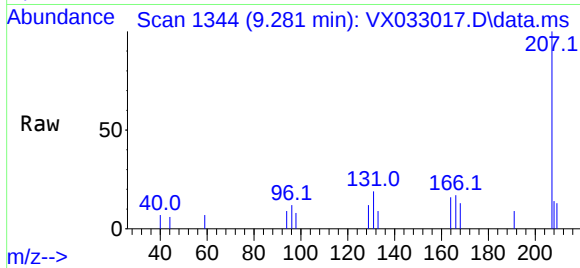


#64
Tetrachloroethene
Concen: 0.216 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117RE

Tgt Ion:164 Resp: 283

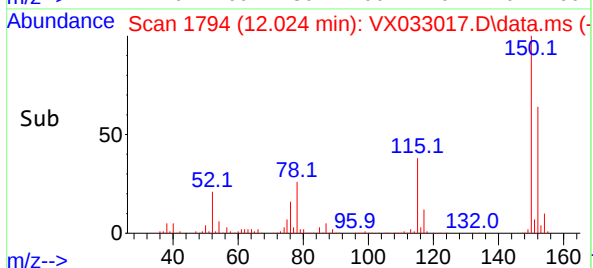
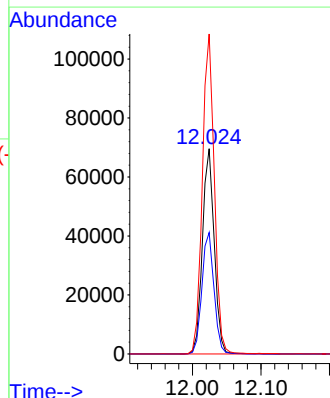
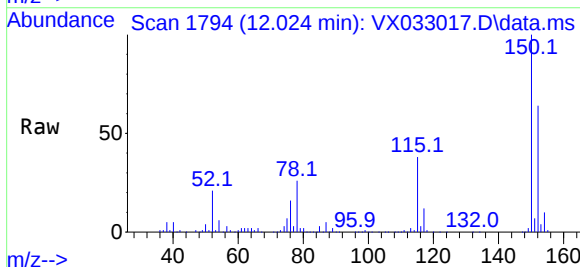
Ion	Ratio	Lower	Upper
164	100		
166	101.1	105.4	158.2#
129	75.8	78.2	117.2#
131	115.3	72.5	108.7#

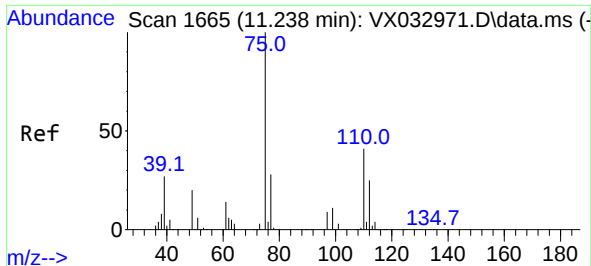


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

Tgt Ion:152 Resp: 83877

Ion	Ratio	Lower	Upper
152	100		
115	60.4	44.0	132.0
150	157.2	0.0	351.8

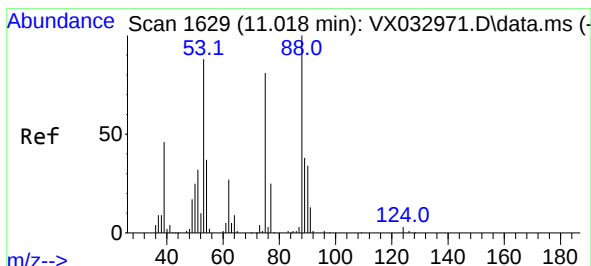
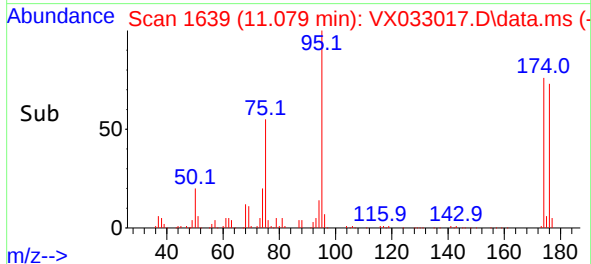
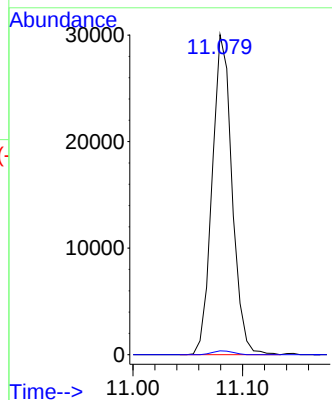
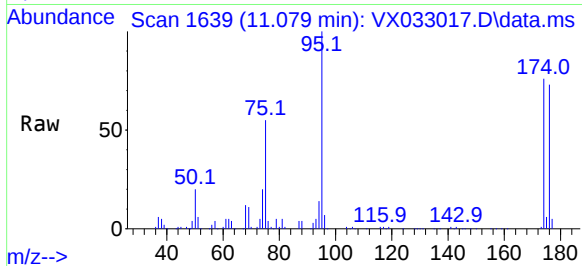




#76
1,2,3-Trichloropropane
Concen: 23.843 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117RE

Tgt Ion: 75 Resp: 37874
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033017.D
Acq: 23 Nov 2022 14:16

Tgt Ion: 75 Resp: 37874
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

