

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031099.D
 Acq On : 03 Sep 2022 21:44
 Operator : JC/MD
 Sample : N4357-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20220823

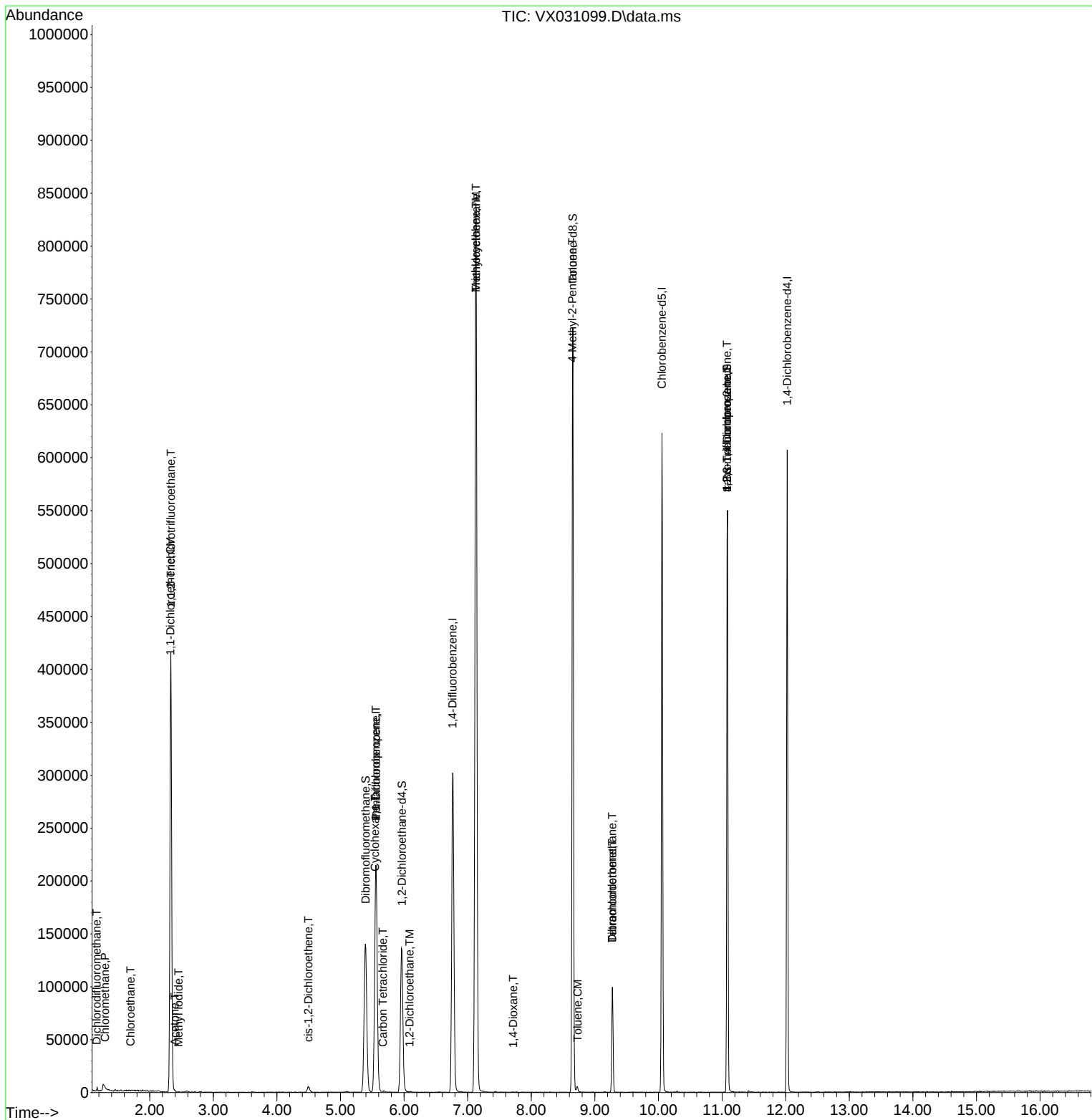
Quant Time: Sep 06 00:18:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

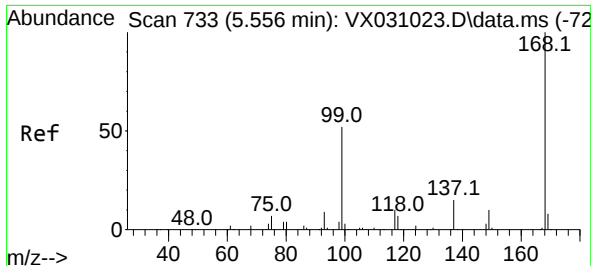
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	213386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	339235	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	303915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	136386	49.674	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.340%		
35) Dibromofluoromethane	5.397	113	126761	51.204	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.400%		
50) Toluene-d8	8.653	98	452462	49.660	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.320%		
62) 4-Bromofluorobenzene	11.079	95	151015	46.928	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.860%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	500	0.228	ug/l	88
3) Chloromethane	1.294	50	242	0.814	ug/l #	42
6) Chloroethane	1.697	64	628	2.099	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	162946	63.476	ug/l	91
10) Methyl Iodide	2.453	142	478	3.090	ug/l #	71
11) Tert butyl alcohol	2.959	59	91	Below Cal	#	74
12) 1,1-Dichloroethene	2.325	96	2161	0.872	ug/l #	65
16) Acetone	2.392	43	777	0.733	ug/l #	73
20) Methylene Chloride	2.800	84	398	Below Cal	#	51
27) cis-1,2-Dichloroethene	4.495	96	3977	1.286	ug/l	80
31) Cyclohexane	5.544	56	3457	0.922	ug/l #	10
36) 1,1-Dichloropropene	5.556	75	14280	4.118	ug/l #	48
38) Carbon Tetrachloride	5.666	117	1139	0.316	ug/l #	62
39) Methylcyclohexane	7.129	83	3438	0.800	ug/l #	1
42) 1,2-Dichloroethane	6.086	62	756	0.230	ug/l #	73
44) Trichloroethene	7.129	130	348617	110.632	ug/l	99
49) 1,4-Dioxane	7.714	88	445	6.154	ug/l #	71
51) 4-Methyl-2-Pentanone	8.647	43	1352	0.447	ug/l #	1
52) Toluene	8.726	92	2086	0.323	ug/l	97
60) Dibromochloromethane	9.275	129	18496	6.490	ug/l #	11
64) Tetrachloroethene	9.275	164	19501	6.427	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	70933	22.678	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	70933	71.270	ug/l #	13

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

Quant Time: Sep 06 00:18:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 02 02:49:21 2022
Response via : Initial Calibration

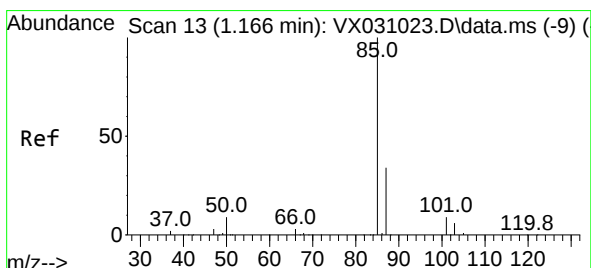
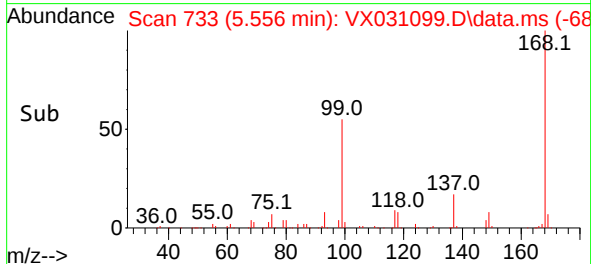
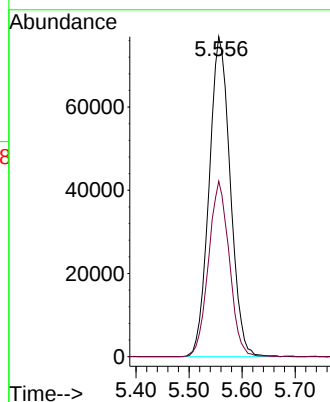
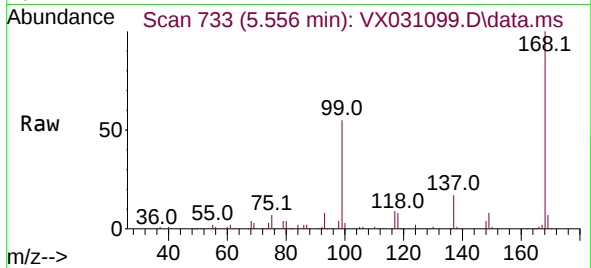




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

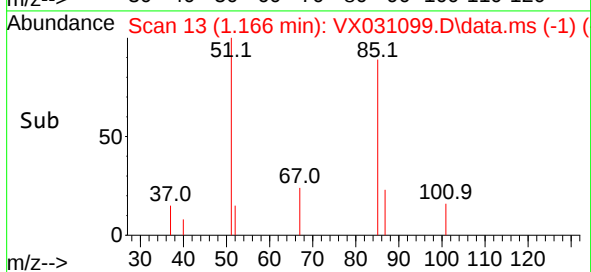
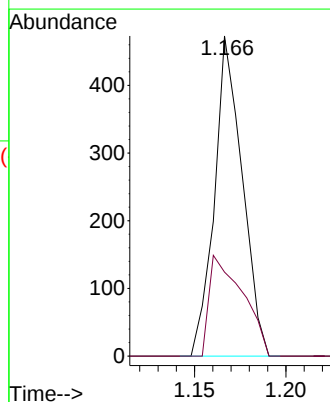
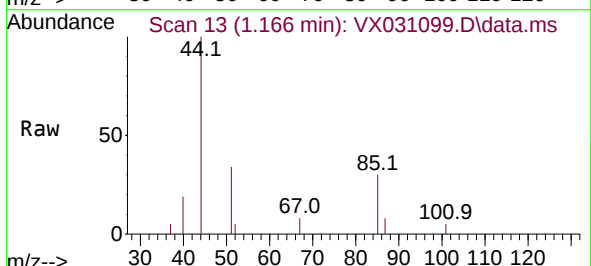
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220823

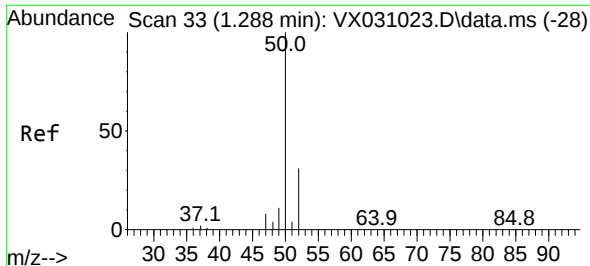
Tgt Ion:168 Resp: 213386
Ion Ratio Lower Upper
168 100
99 54.9 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 0.228 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

Tgt Ion: 85 Resp: 500
Ion Ratio Lower Upper
85 100
87 26.2 16.5 49.5

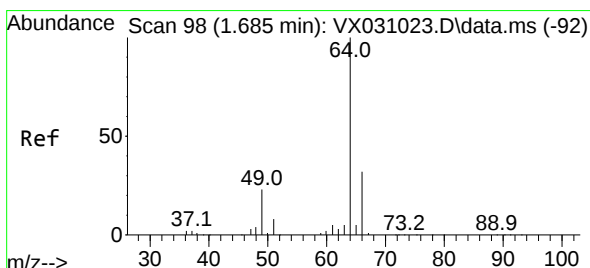
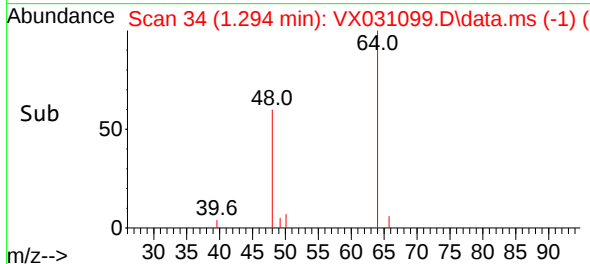
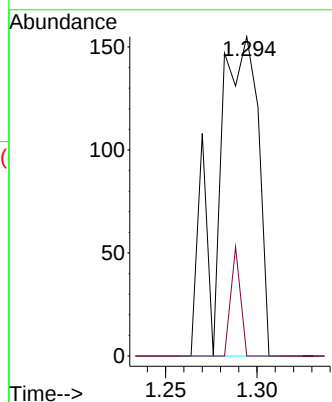
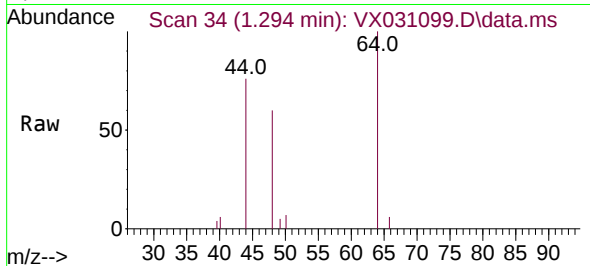




#3
Chloromethane
Concen: 0.814 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

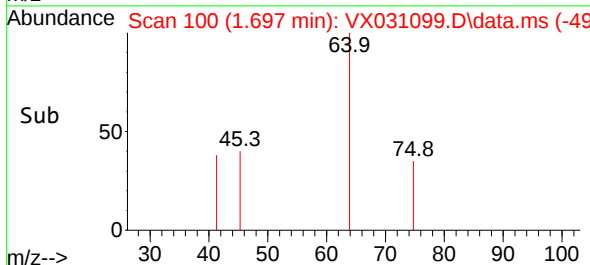
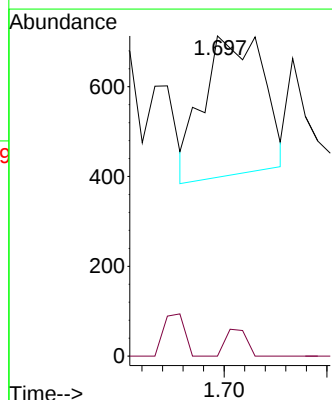
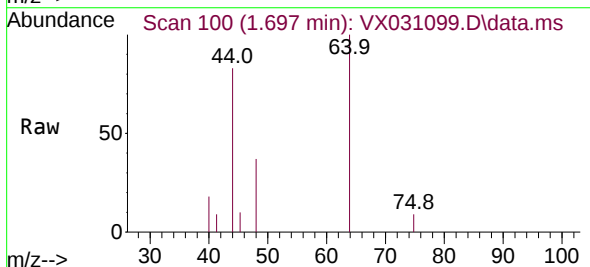
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220823

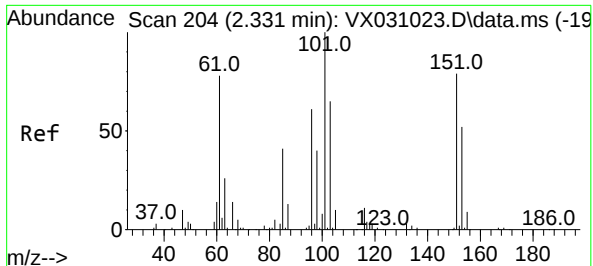
Tgt Ion: 50 Resp: 242
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



#6
Chloroethane
Concen: 2.099 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

Tgt Ion: 64 Resp: 628
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

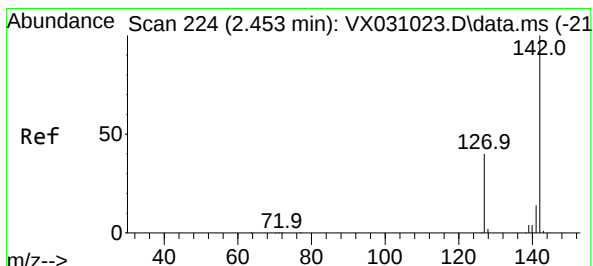
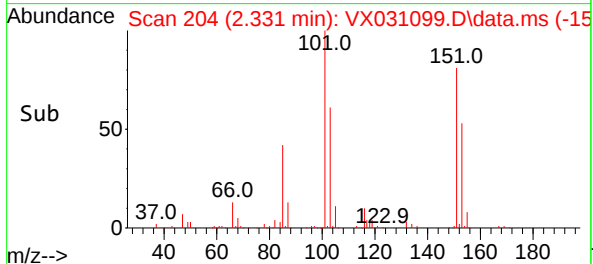
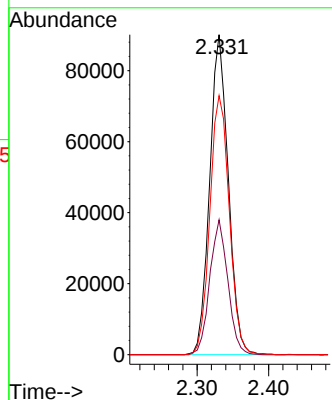
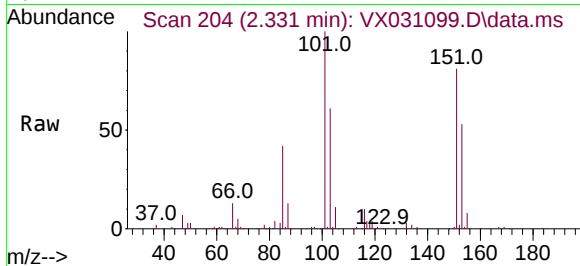




#9
1,1,2-Trichlorotrifluoroethane
Concen: 63.476 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

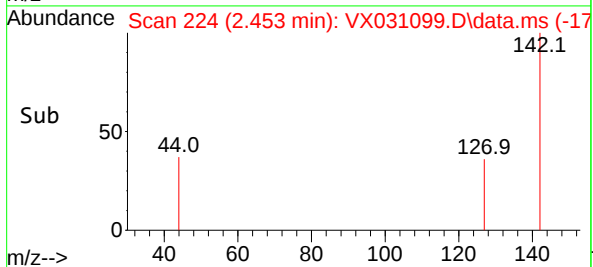
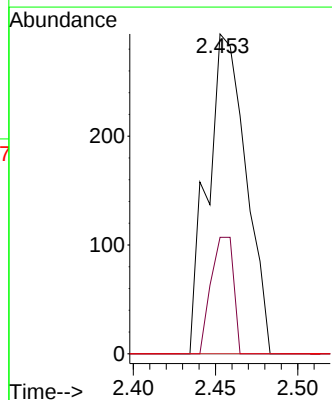
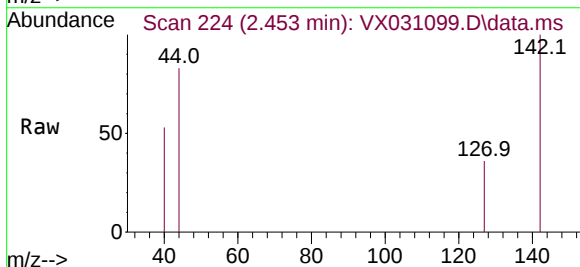
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220823

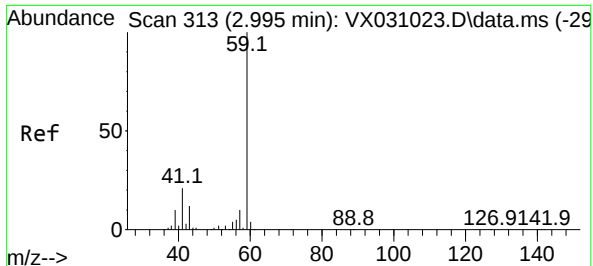
Tgt Ion:101 Resp: 162946
Ion Ratio Lower Upper
101 100
85 41.0 34.0 51.0
151 84.6 59.4 89.0



#10
Methyl Iodide
Concen: 3.090 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

Tgt Ion:142 Resp: 478
Ion Ratio Lower Upper
142 100
127 21.1 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.959 min Scan# 30

Delta R.T. -0.030 min

Lab File: VX031099.D

Acq: 03 Sep 2022 21:44

Instrument :

MSVOA_X

ClientSampleId :

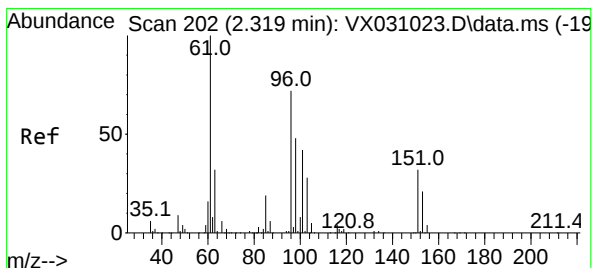
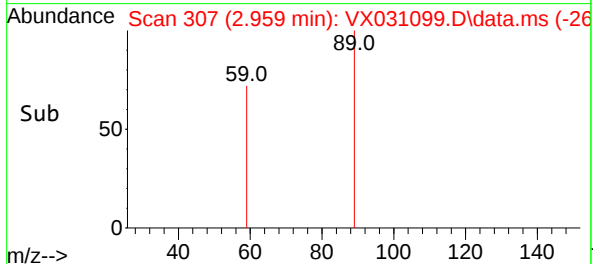
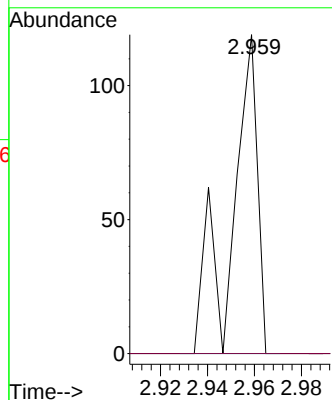
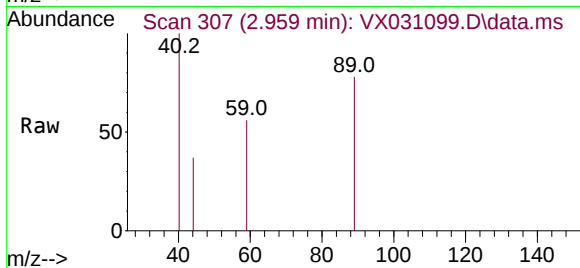
DUP05-20220823

Tgt Ion: 59 Resp: 91

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 0.872 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX031099.D

Acq: 03 Sep 2022 21:44

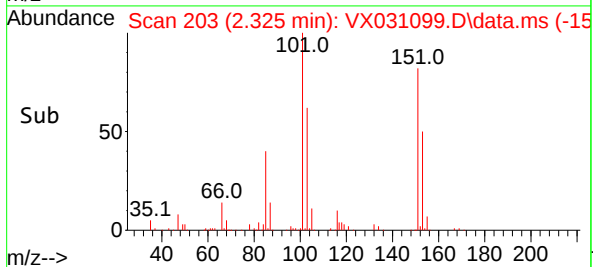
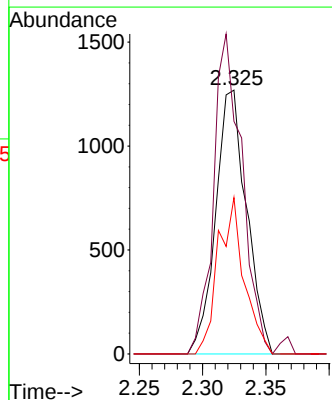
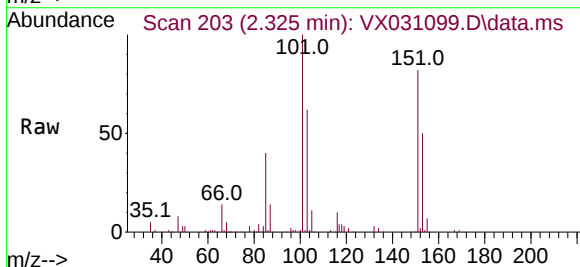
Tgt Ion: 96 Resp: 2161

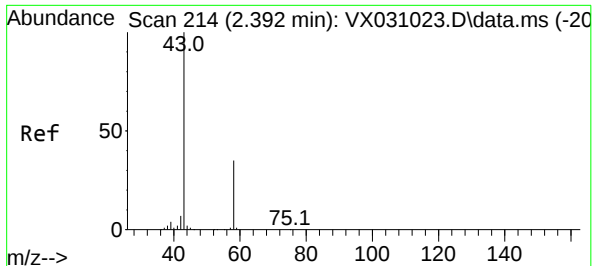
Ion Ratio Lower Upper

96 100

61 88.2 117.4 176.0#

98 59.3 52.2 78.4

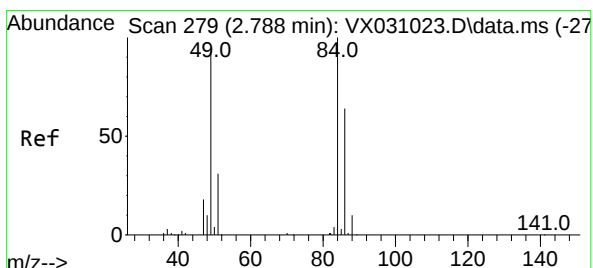
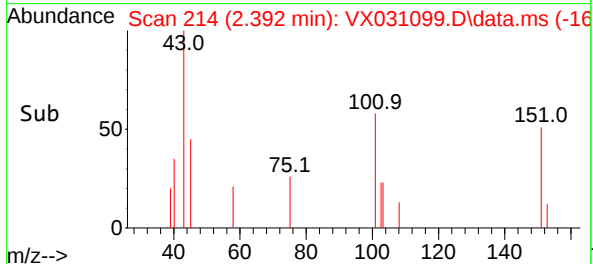
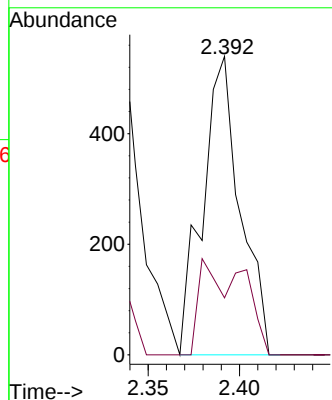
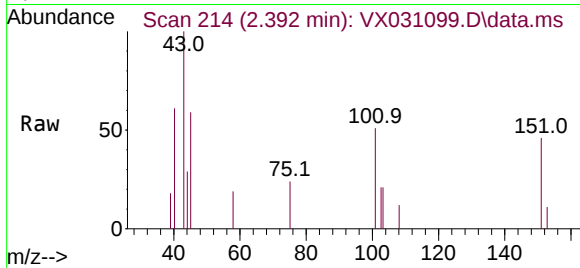




#16
Acetone
Concen: 0.733 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

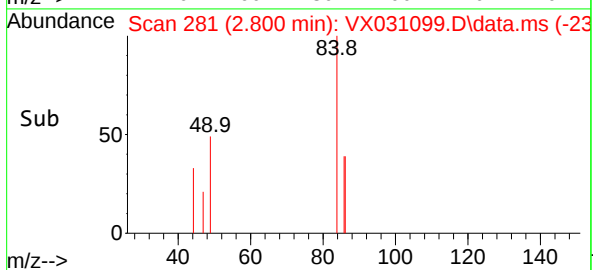
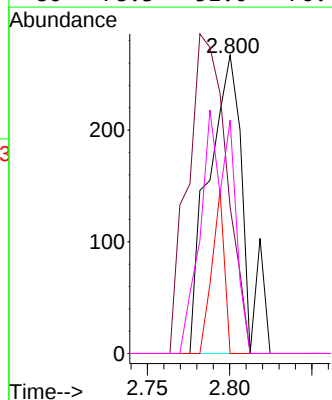
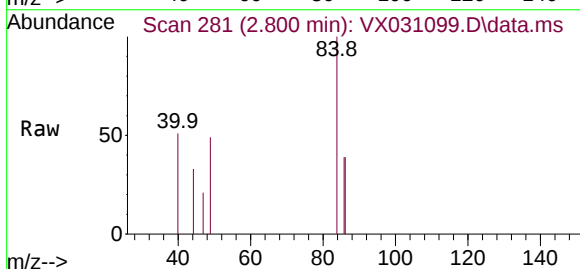
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MSVOA_X
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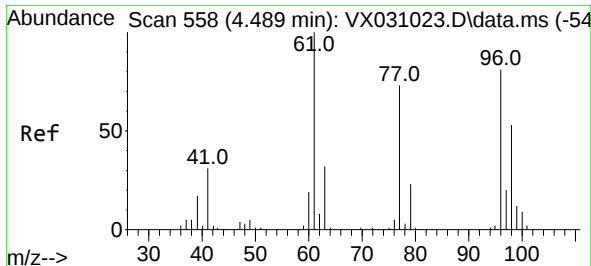
Tgt Ion: 43 Resp: 777
Ion Ratio Lower Upper
43 100
58 19.1 27.7 41.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

Tgt Ion: 84 Resp: 398
Ion Ratio Lower Upper
84 100
49 49.1 93.8 140.6#
51 0.0 29.4 44.0#
86 78.3 51.0 76.4#

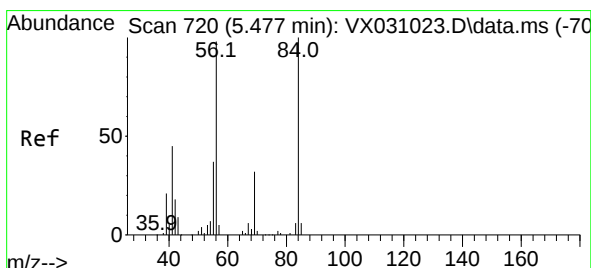
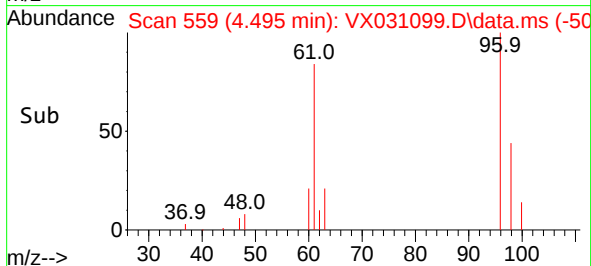
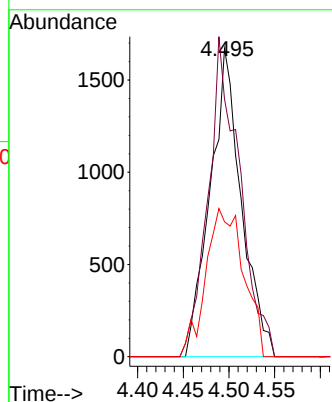
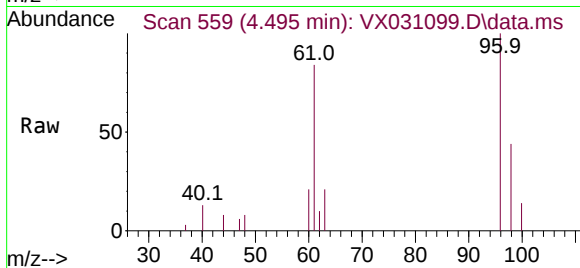




#27
cis-1,2-Dichloroethene
Concen: 1.286 ug/l
RT: 4.495 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

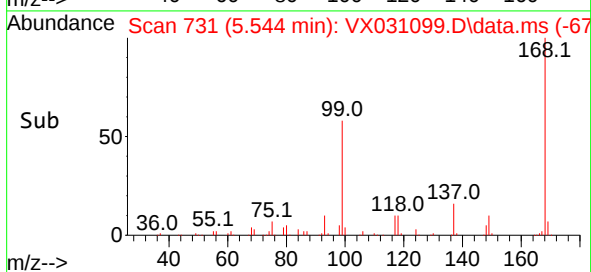
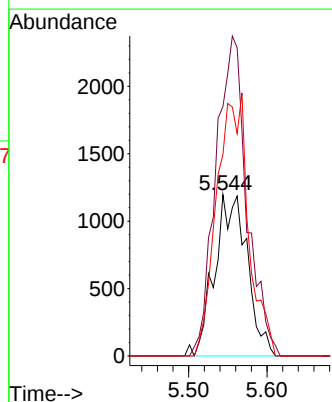
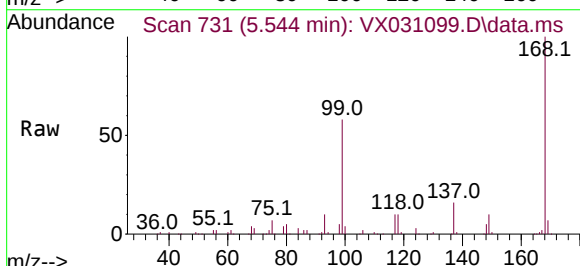
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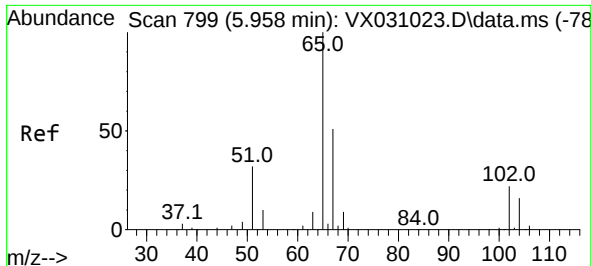
Tgt Ion: 96	Resp: 3977		
Ion	Ratio	Lower	Upper
96	100		
61	104.2	0.0	270.0
98	58.3	0.0	127.8



#31
Cyclohexane
Concen: 0.922 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.067 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

Tgt Ion: 56	Resp: 3457		
Ion Ratio	Lower	Upper	
56	100		
69	154.6	25.4	38.0#
84	124.9	68.9	103.3#





#33

1,2-Dichloroethane-d4

Concen: 49.674 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX031099.D

Acq: 03 Sep 2022 21:44

Instrument :

MSVOA_X

ClientSampleId :

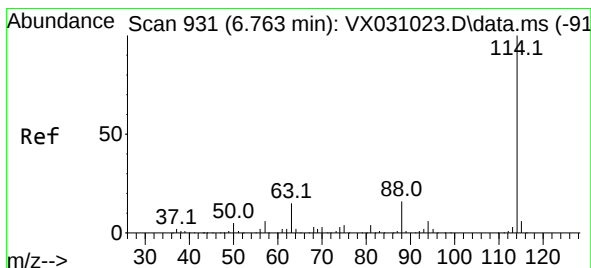
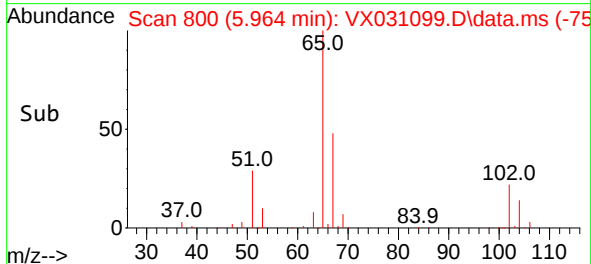
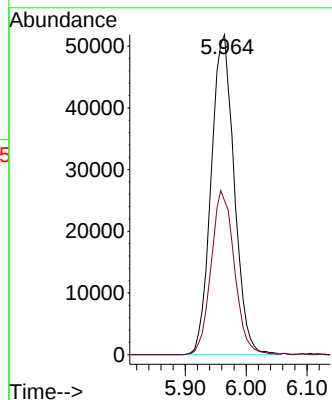
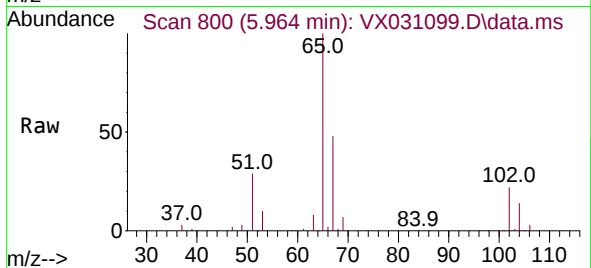
DUP05-20220823

Tgt Ion: 65 Resp: 136386

Ion Ratio Lower Upper

65 100

67 51.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX031099.D

Acq: 03 Sep 2022 21:44

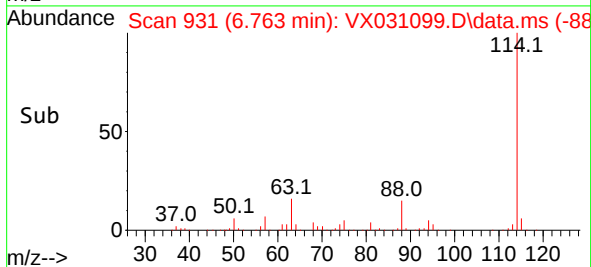
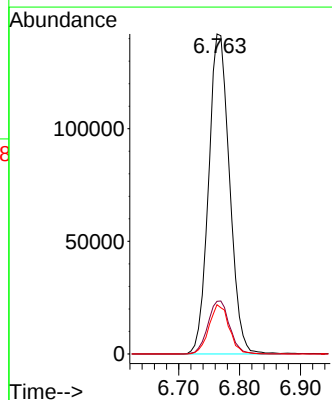
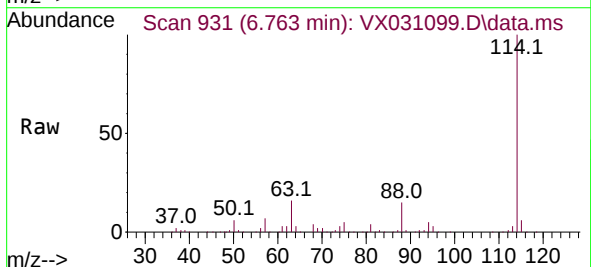
Tgt Ion: 114 Resp: 339235

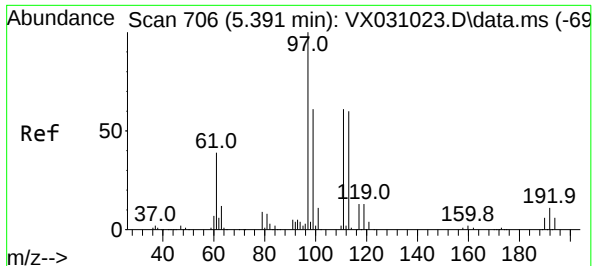
Ion Ratio Lower Upper

114 100

63 16.4 0.0 38.4

88 15.4 0.0 31.8

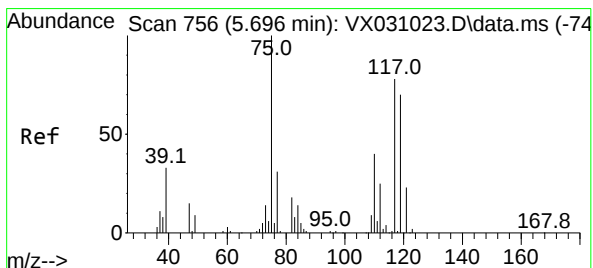
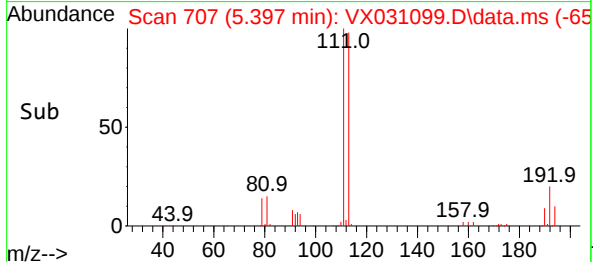
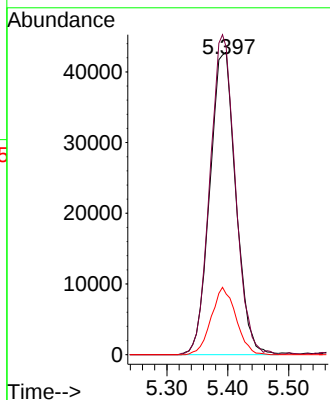
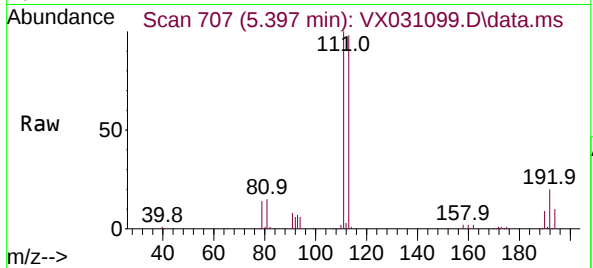




#35
Dibromofluoromethane
Concen: 51.204 ug/l
RT: 5.397 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

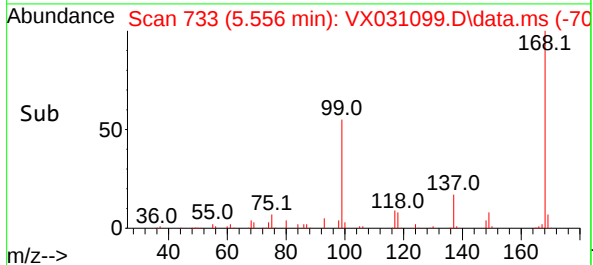
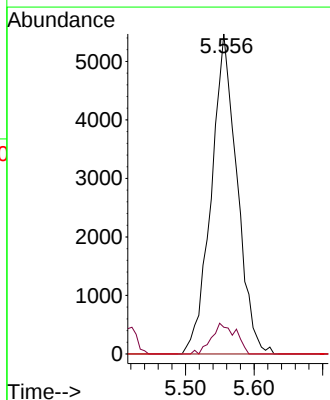
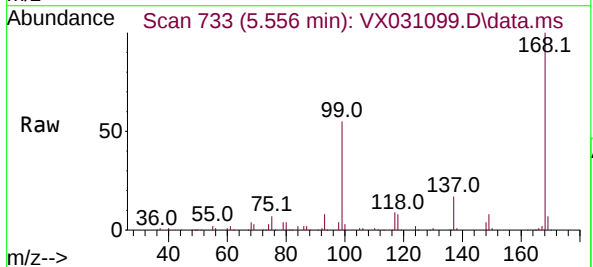
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220823

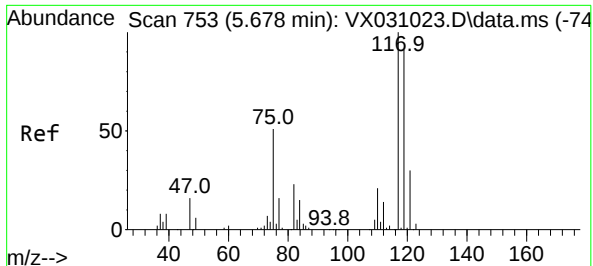
Tgt Ion:113 Resp: 126761
Ion Ratio Lower Upper
113 100
111 103.2 83.2 124.8
192 21.2 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.118 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

Tgt Ion: 75 Resp: 14280
Ion Ratio Lower Upper
75 100
110 9.0 19.3 57.9#
77 0.0 24.4 36.6#

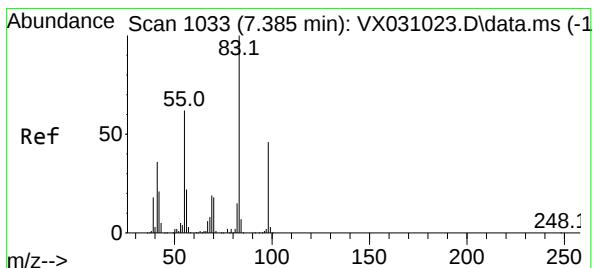
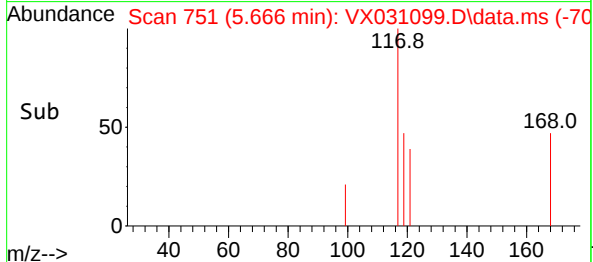
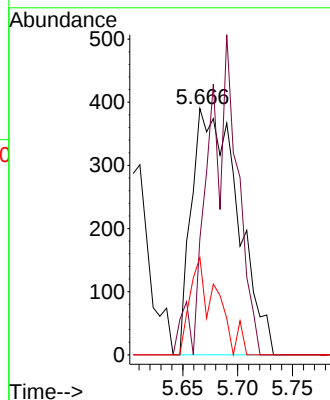
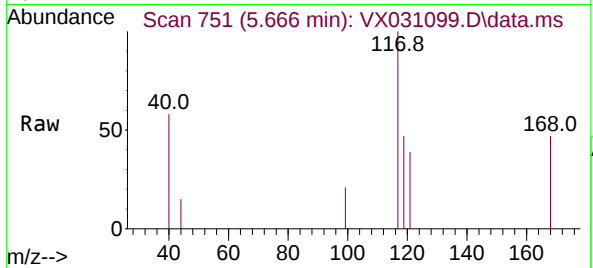




#38
Carbon Tetrachloride
Concen: 0.316 ug/l
RT: 5.666 min Scan# 711
Delta R.T. -0.018 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

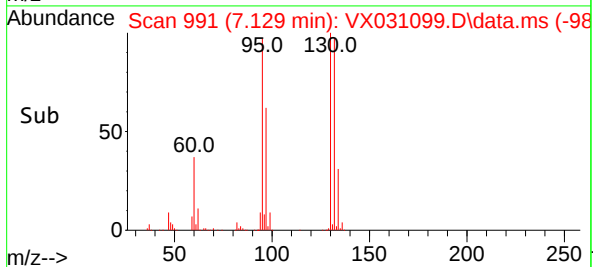
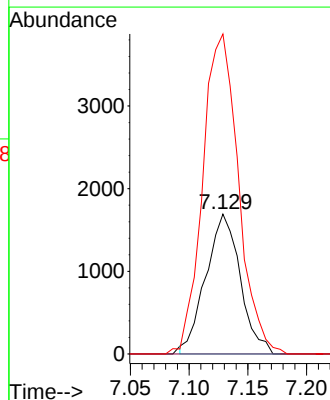
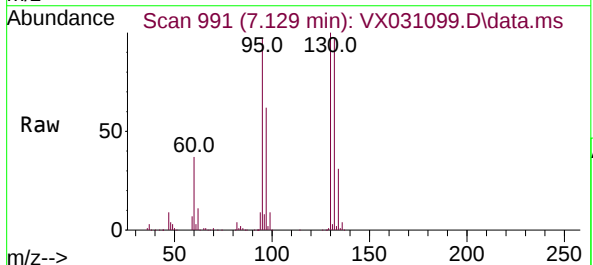
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220823

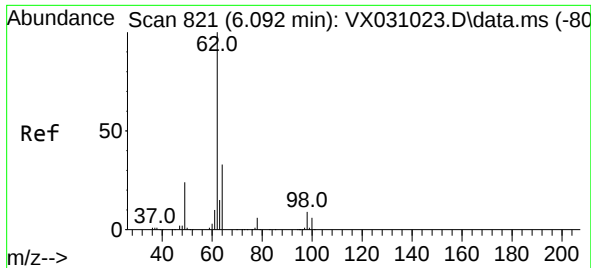
Tgt Ion:117 Resp: 1139
Ion Ratio Lower Upper
117 100
119 47.2 74.1 111.1#
121 39.5 25.8 38.8#



#39
Methylcyclohexane
Concen: 0.800 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

Tgt Ion: 83 Resp: 3438
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 225.4 36.5 54.7#





#42

1,2-Dichloroethane

Concen: 0.230 ug/l

RT: 6.086 min Scan# 81

Delta R.T. -0.006 min

Lab File: VX031099.D

Acq: 03 Sep 2022 21:44

Instrument :

MSVOA_X

ClientSampleId :

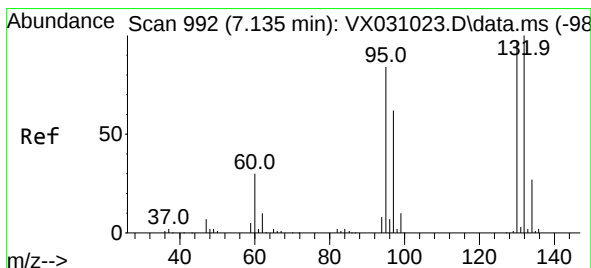
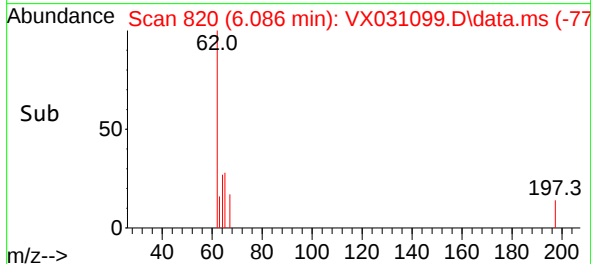
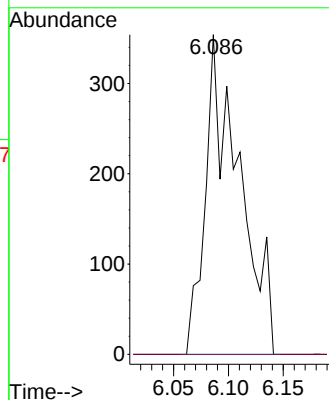
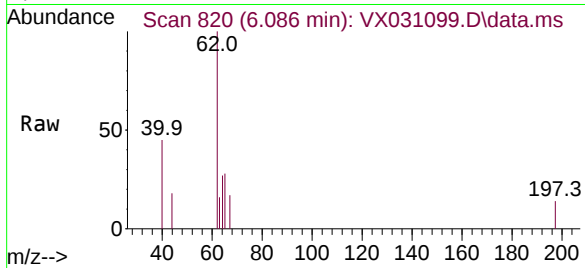
DUP05-20220823

Tgt Ion: 62 Resp: 756

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 110.632 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX031099.D

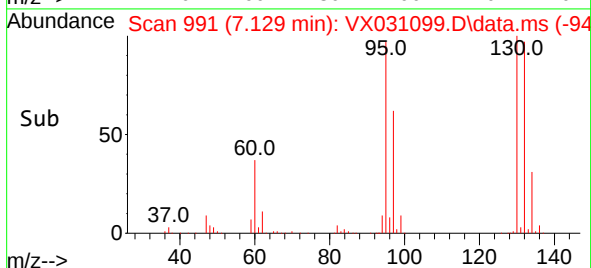
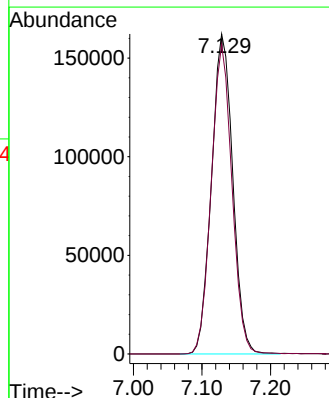
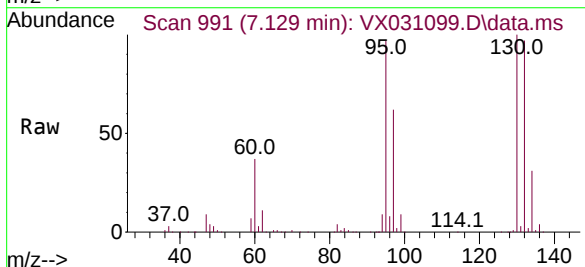
Acq: 03 Sep 2022 21:44

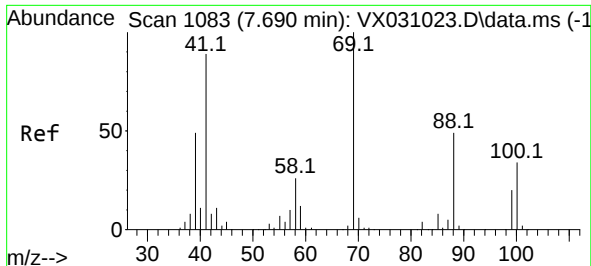
Tgt Ion:130 Resp: 348617

Ion Ratio Lower Upper

130 100

95 96.6 0.0 194.8





#49

1,4-Dioxane

Concen: 6.154 ug/l

RT: 7.714 min Scan# 1083

Delta R.T. 0.037 min

Lab File: VX031099.D

Acq: 03 Sep 2022 21:44

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20220823

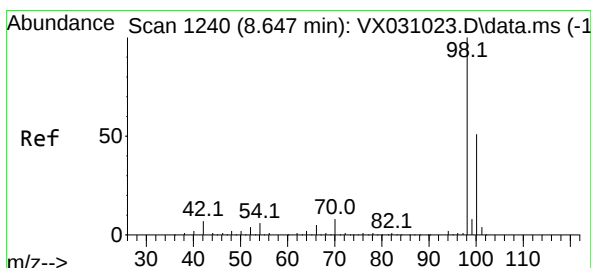
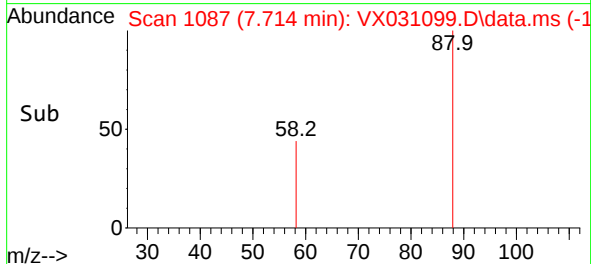
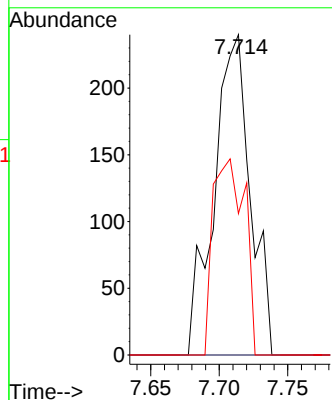
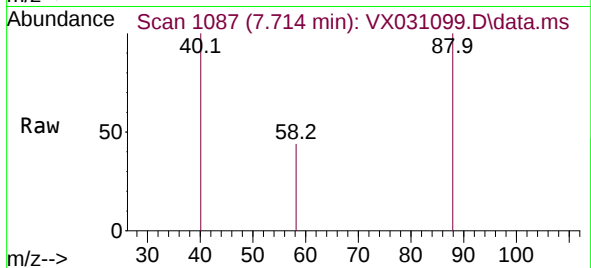
Tgt Ion: 88 Resp: 445

Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 53.3 53.8 80.6#



#50

Toluene-d8

Concen: 49.660 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX031099.D

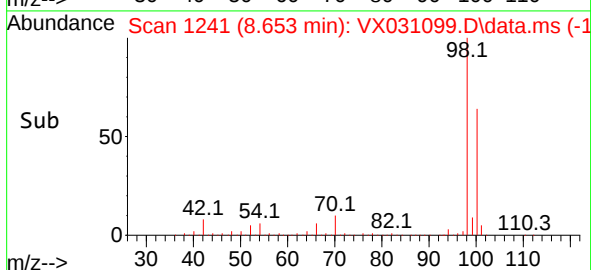
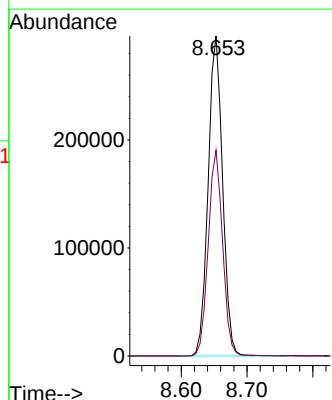
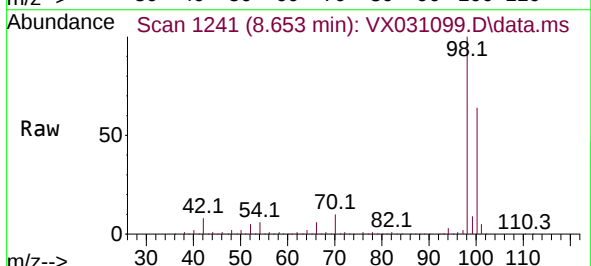
Acq: 03 Sep 2022 21:44

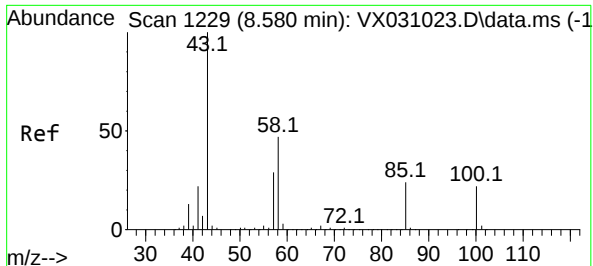
Tgt Ion: 98 Resp: 452462

Ion Ratio Lower Upper

98 100

100 63.8 52.3 78.5

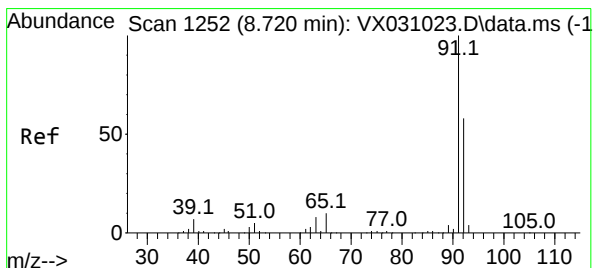
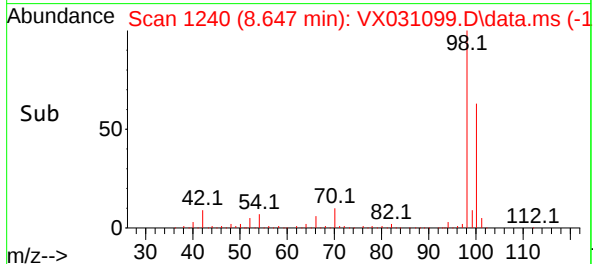
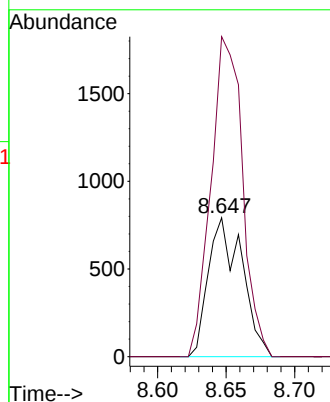
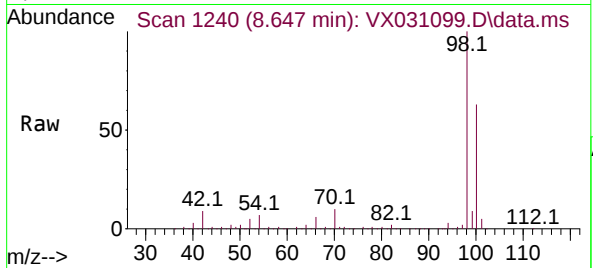




#51
4-Methyl-2-Pentanone
Concen: 0.447 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

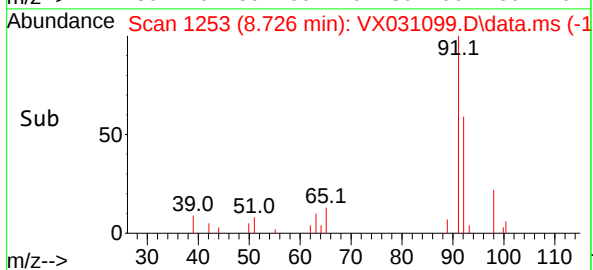
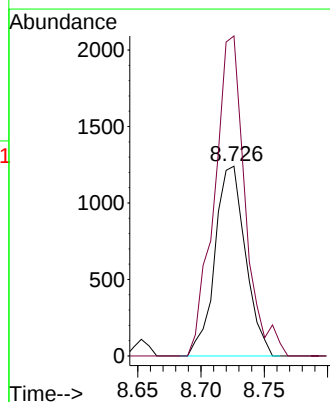
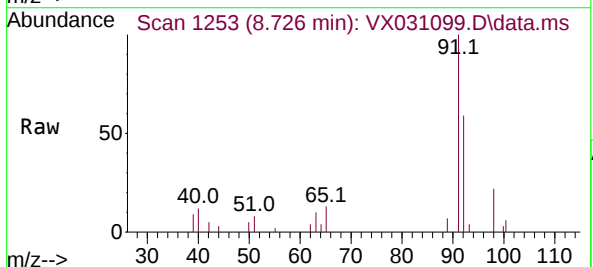
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220823

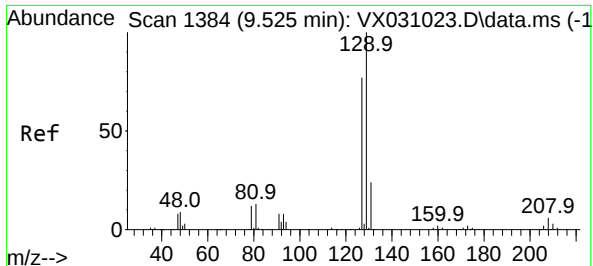
Tgt Ion: 43 Resp: 1352
Ion Ratio Lower Upper
43 100
58 216.2 31.4 47.2#



#52
Toluene
Concen: 0.323 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

Tgt Ion: 92 Resp: 2086
Ion Ratio Lower Upper
92 100
91 169.7 139.2 208.8

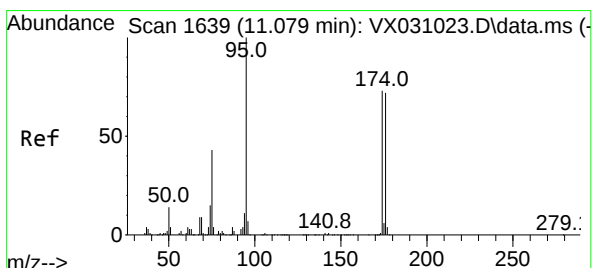
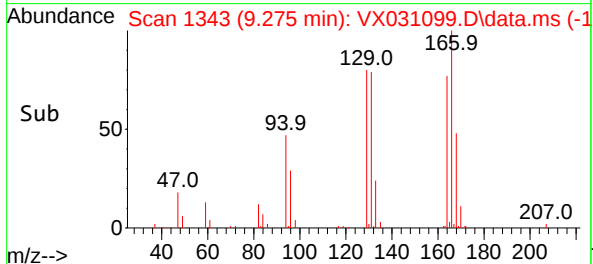
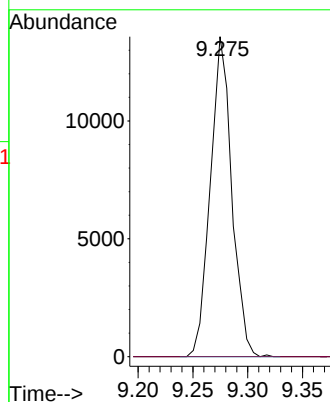
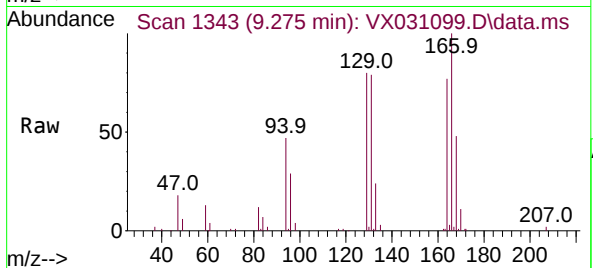




#60
Dibromochloromethane
Concen: 6.490 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

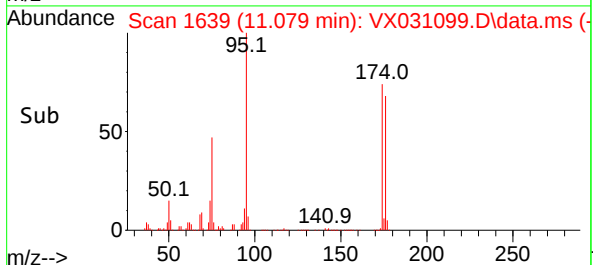
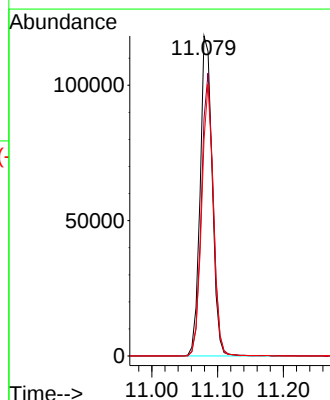
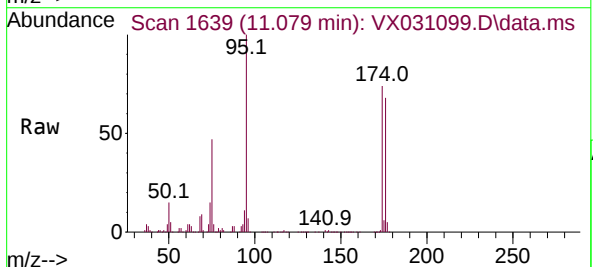
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220823

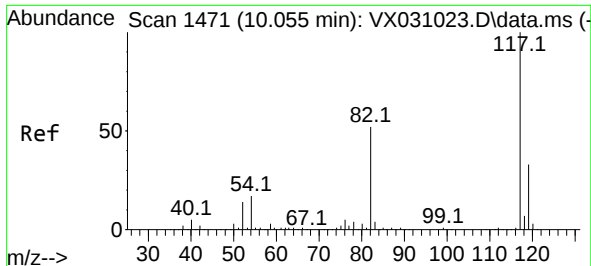
Tgt Ion:129 Resp: 18496
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 46.928 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

Tgt Ion: 95 Resp: 151015
Ion Ratio Lower Upper
95 100
174 86.8 0.0 149.0
176 82.6 0.0 146.0

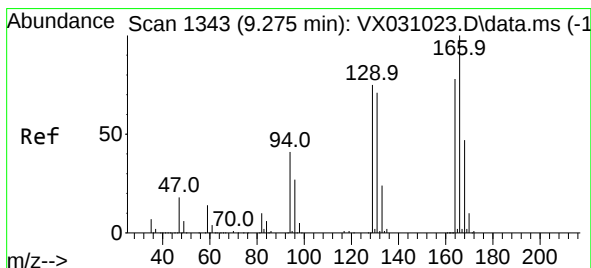
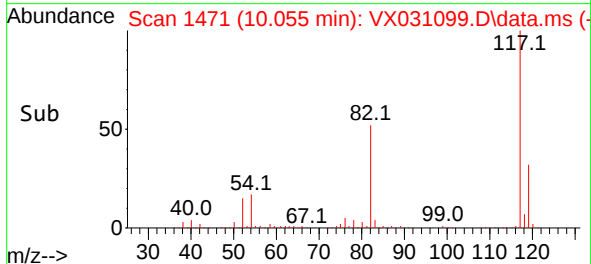
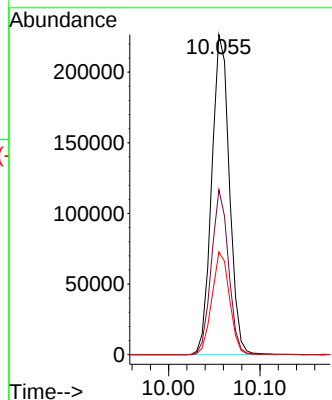
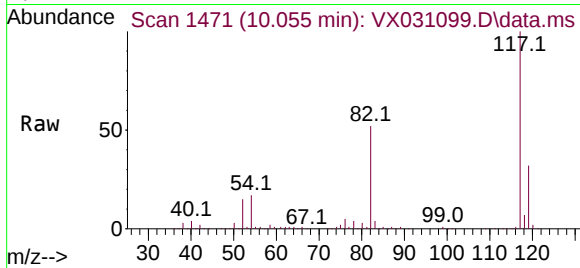




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

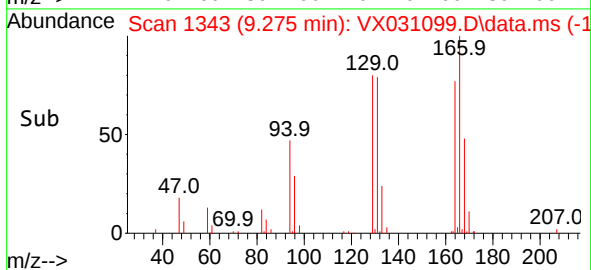
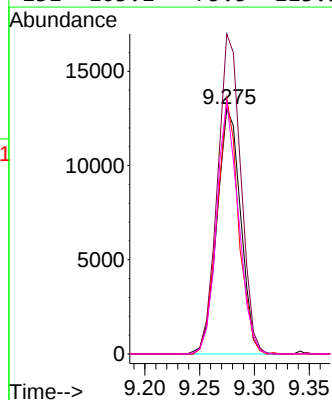
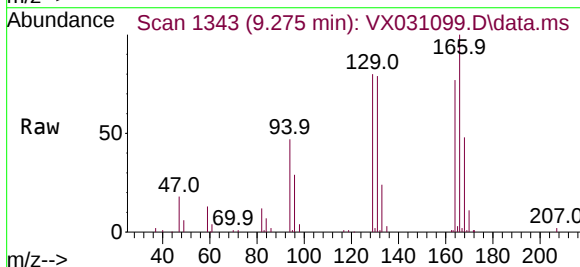
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220823

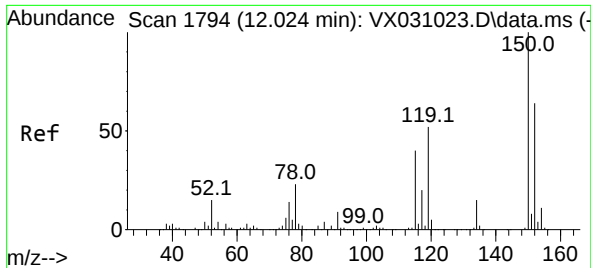
Tgt Ion:117 Resp: 303915
Ion Ratio Lower Upper
117 100
82 51.5 42.7 64.1
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 6.427 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX031099.D
Acq: 03 Sep 2022 21:44

Tgt Ion:164 Resp: 19501
Ion Ratio Lower Upper
164 100
166 130.6 98.2 147.4
129 104.4 80.8 121.2
131 103.1 75.5 113.3

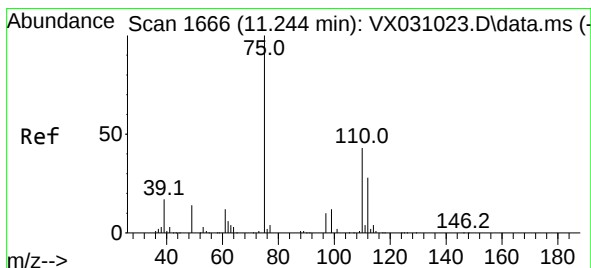
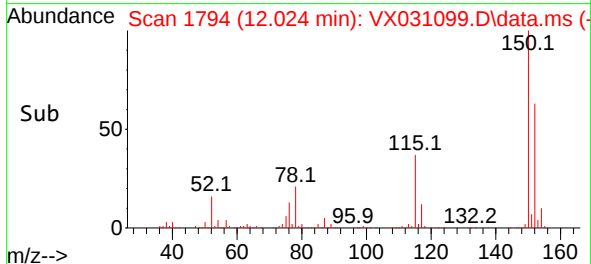
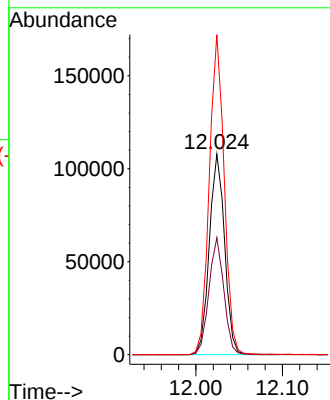
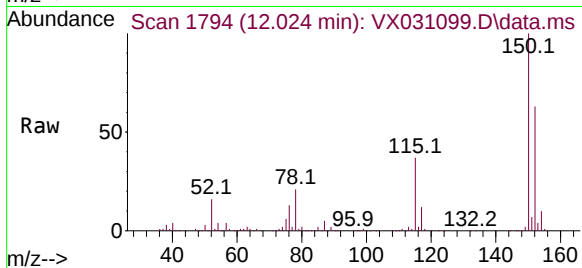




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031099.D
 Acq: 03 Sep 2022 21:44

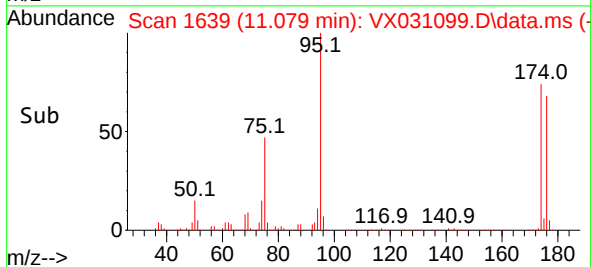
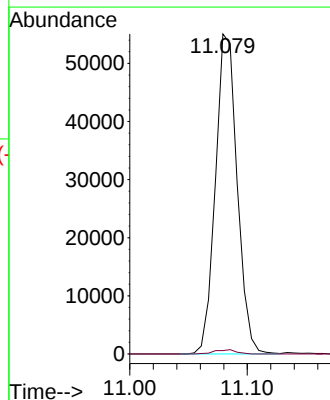
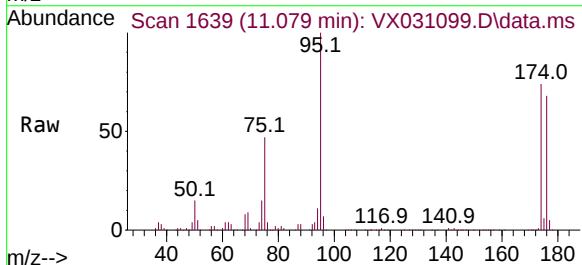
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20220823

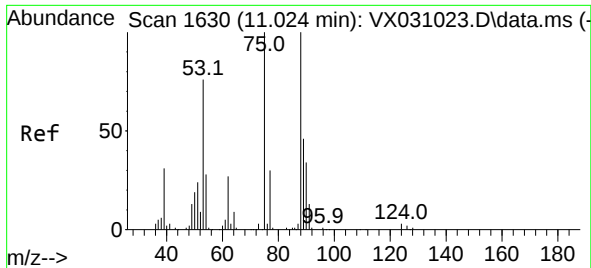
Tgt Ion:152 Resp: 132317
 Ion Ratio Lower Upper
 152 100
 115 57.0 40.5 121.5
 150 155.1 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 22.678 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX031099.D
 Acq: 03 Sep 2022 21:44

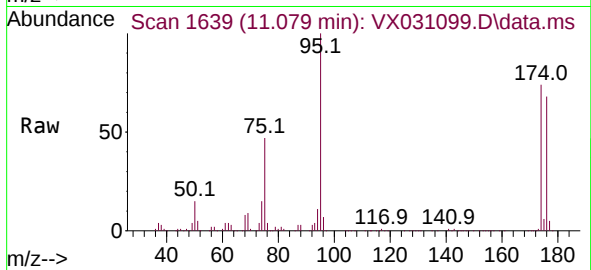
Tgt Ion: 75 Resp: 70933
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.270 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.055 min
 Lab File: VX031099.D
 Acq: 03 Sep 2022 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20220823



Tgt Ion: 75 Resp: 70933
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#

