

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082522\
 Data File : VX030797.D
 Acq On : 26 Aug 2022 02:13
 Operator : JC/MD
 Sample : N4245-13RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20220816

Quant Time: Aug 26 02:45:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

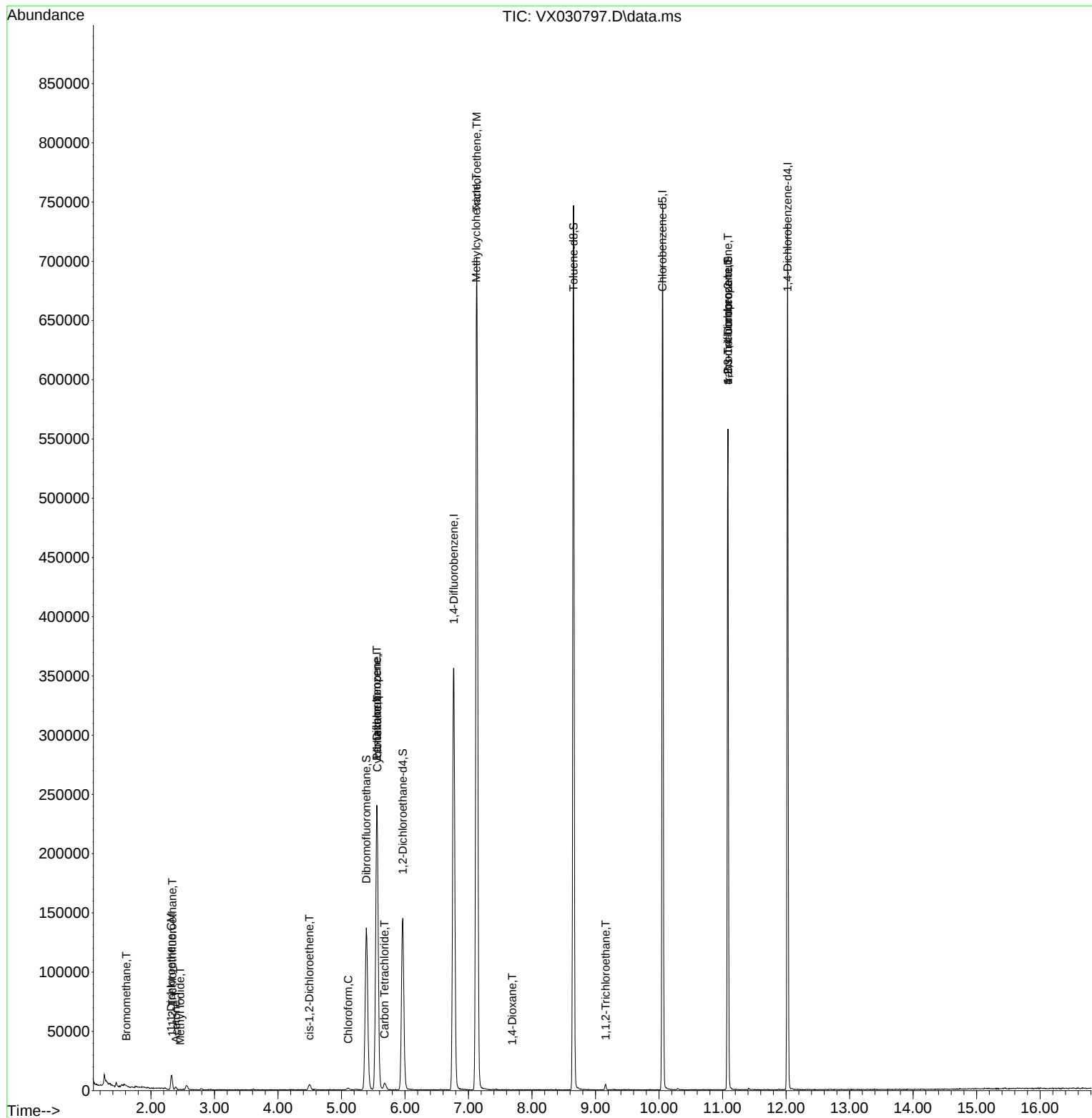
Internal Standards						
1) Pentafluorobenzene	5.556	168	227771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	387933	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	340931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	149723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	139817	52.186	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.380%			
35) Dibromofluoromethane	5.391	113	121282	50.870	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.740%			
50) Toluene-d8	8.653	98	450114	54.178	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.360%			
62) 4-Bromofluorobenzene	11.085	95	150543	48.671	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.340%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	436	Below Cal	#	80
4) Vinyl Chloride	1.642	62	20	Below Cal	#	43
5) Bromomethane	1.611	94	322	0.303	ug/l	93
6) Chloroethane	1.697	64	161	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	2.337	101	2539	1.145	ug/l	# 86
10) Methyl Iodide	2.459	142	160	4.109	ug/l	# 65
12) 1,1-Dichloroethene	2.319	96	2842	1.376	ug/l	92
16) Acetone	2.392	43	2456	1.984	ug/l	98
17) Carbon Disulfide	2.508	76	347	Below Cal	#	74
20) Methylene Chloride	2.794	84	466	Below Cal		93
27) cis-1,2-Dichloroethene	4.495	96	3420	1.248	ug/l	82
30) Chloroform	5.105	83	1770	0.387	ug/l	# 67
31) Cyclohexane	5.562	56	4376	1.277	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	17516	5.395	ug/l	# 48
38) Carbon Tetrachloride	5.678	117	4904	1.432	ug/l	95
39) Methylcyclohexane	7.123	83	3441	0.886	ug/l	# 1
44) Trichloroethene	7.129	130	285074	101.586	ug/l	99
49) 1,4-Dioxane	7.690	88	97	1.361	ug/l	# 25
55) 1,1,2-Trichloroethane	9.159	97	1660	0.616	ug/l	86
76) 1,2,3-Trichloropropane	11.085	75	73136	22.296	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	73136	71.936	ug/l	# 13

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

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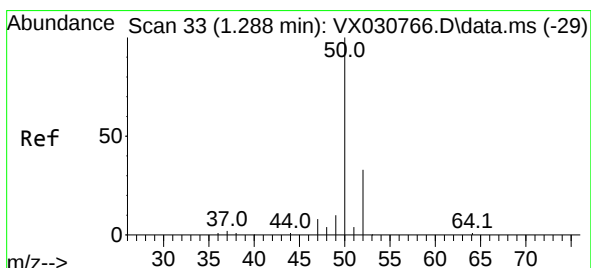
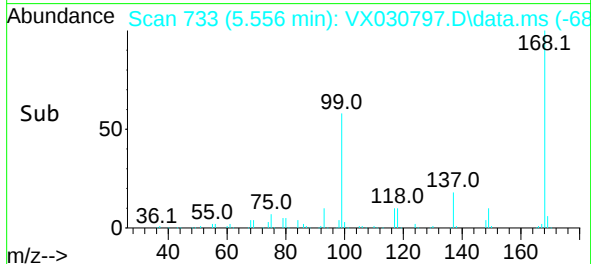
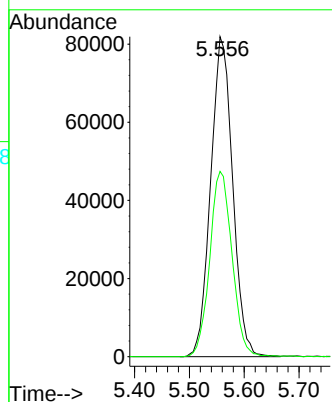
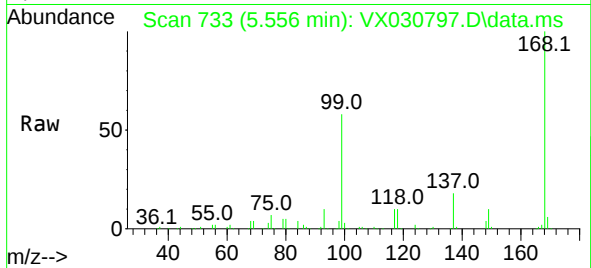




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

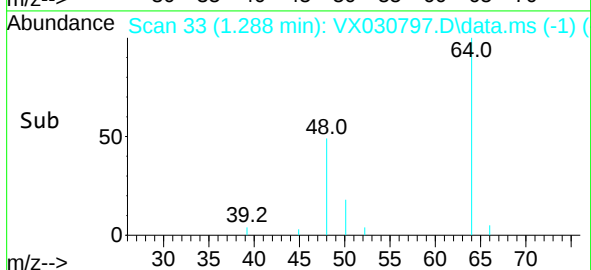
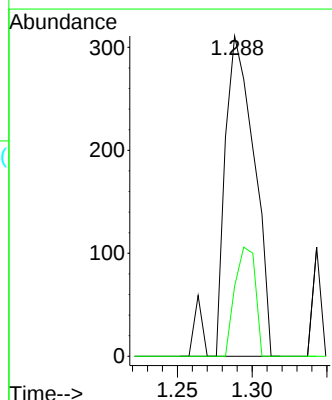
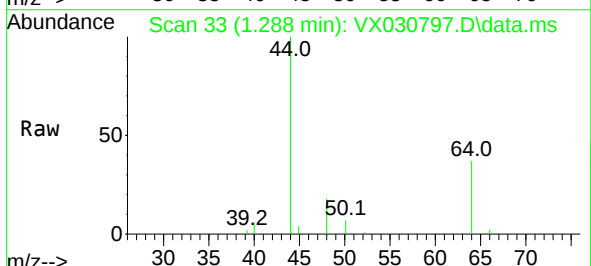
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816

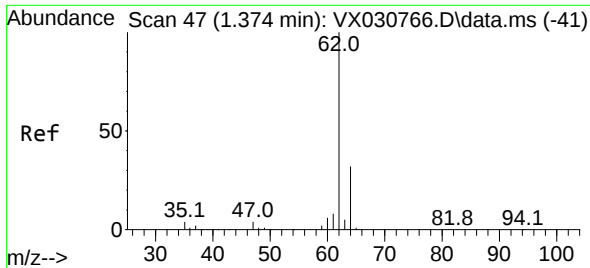
Tgt Ion:168 Resp: 227771
Ion Ratio Lower Upper
168 100
99 57.9 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

Tgt Ion: 50 Resp: 436
Ion Ratio Lower Upper
50 100
52 21.9 26.3 39.5

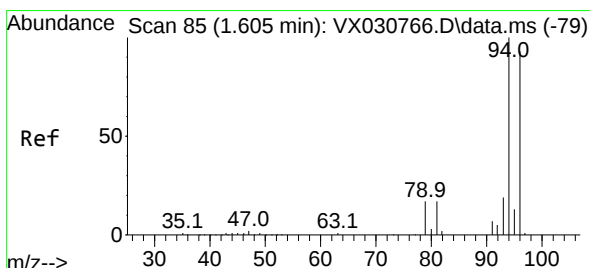
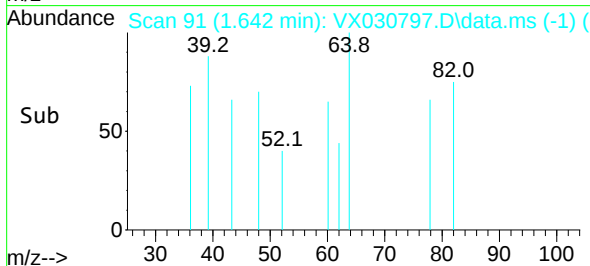
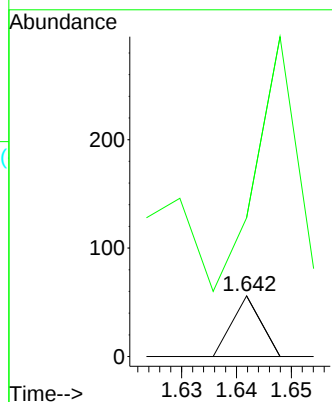
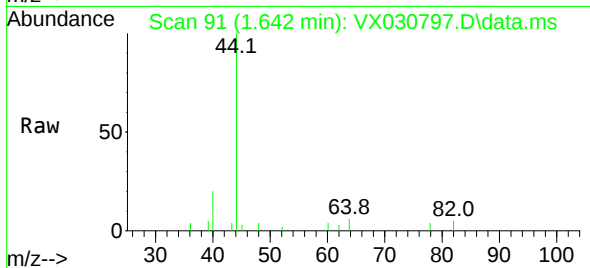




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.642 min Scan# 91
 Delta R.T. 0.268 min
 Lab File: VX030797.D
 Acq: 26 Aug 2022 02:13

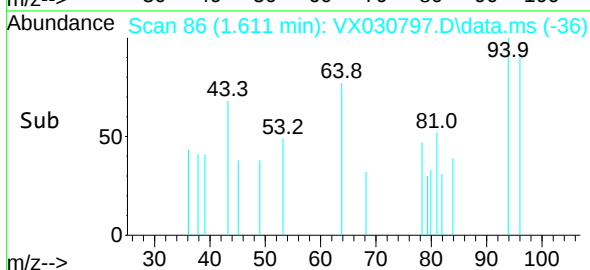
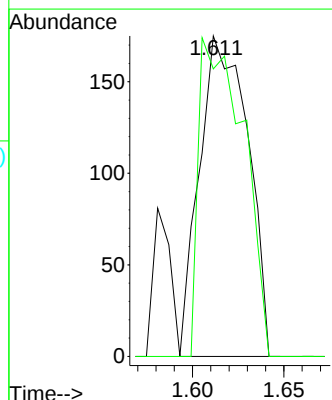
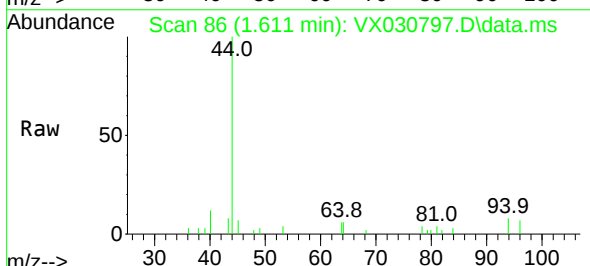
Instrument :
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 ClientSampleId :
 DUP04-20220816

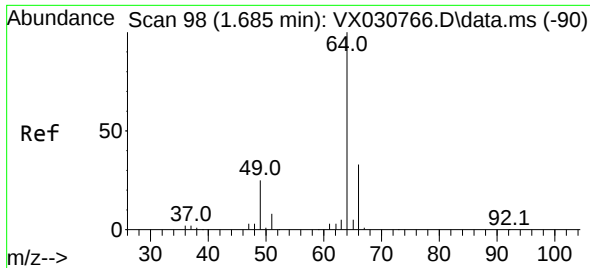
Tgt Ion: 62 Resp: 20
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.2 37.8#



#5
 Bromomethane
 Concen: 0.303 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. 0.006 min
 Lab File: VX030797.D
 Acq: 26 Aug 2022 02:13

Tgt Ion: 94 Resp: 322
 Ion Ratio Lower Upper
 94 100
 96 89.7 76.9 115.3

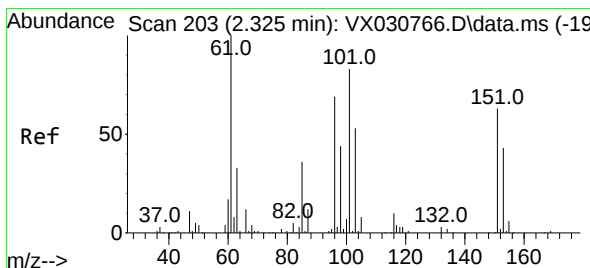
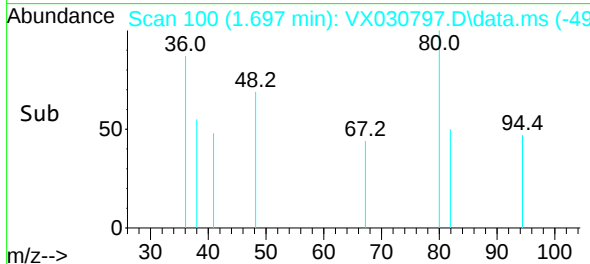
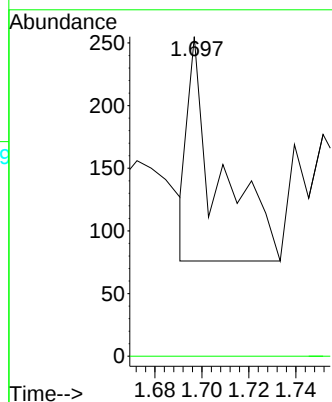
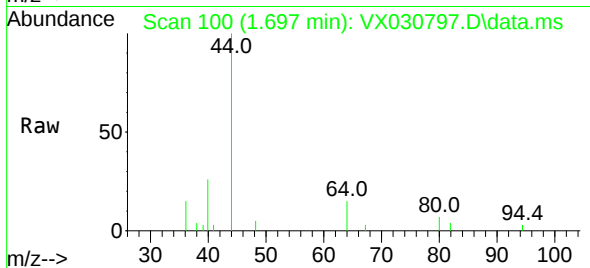




#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

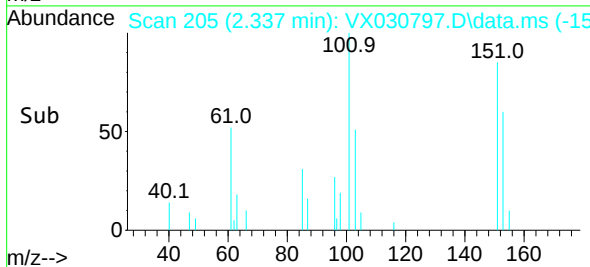
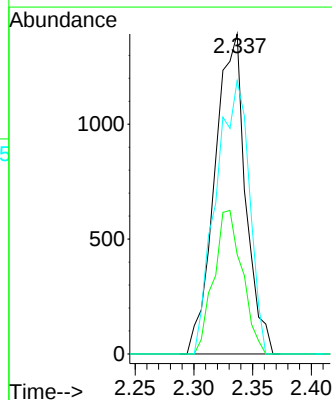
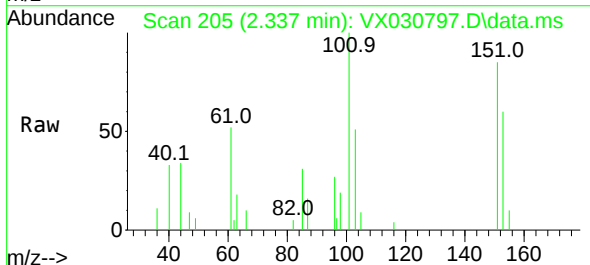
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816

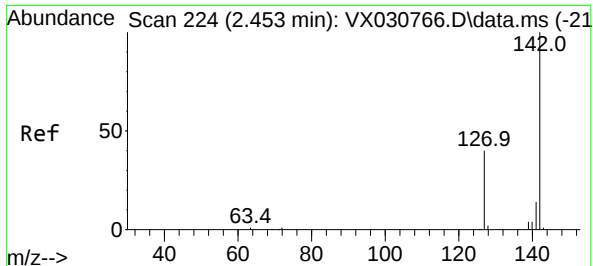
Tgt Ion: 64 Resp: 161
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.145 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.012 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

Tgt Ion: 101 Resp: 2539
Ion Ratio Lower Upper
101 100
85 41.4 34.0 51.0
151 92.2 59.4 89.0#

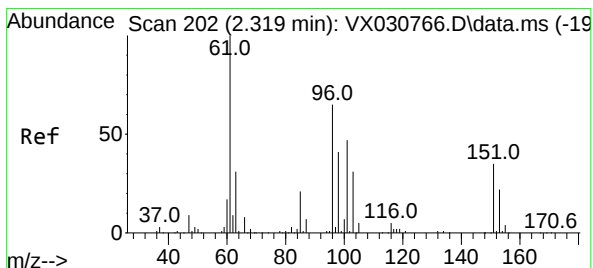
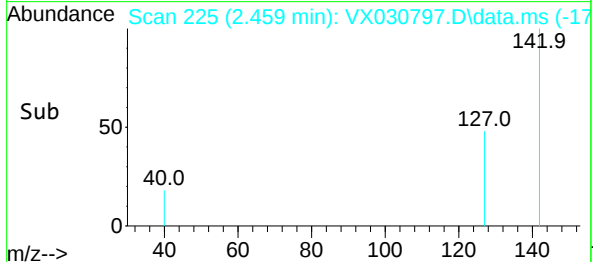
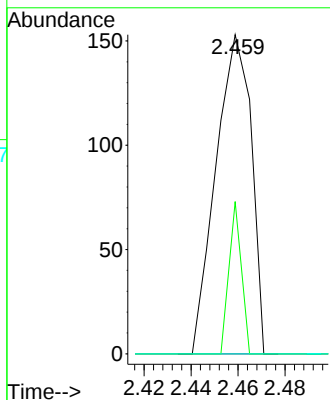
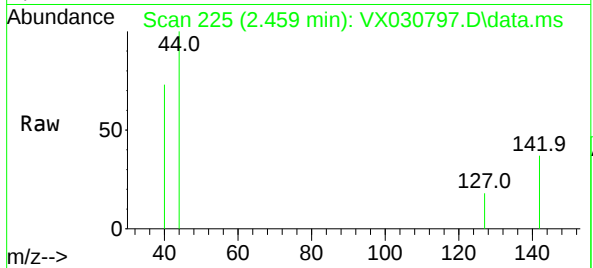




#10
Methyl Iodide
Concen: 4.109 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

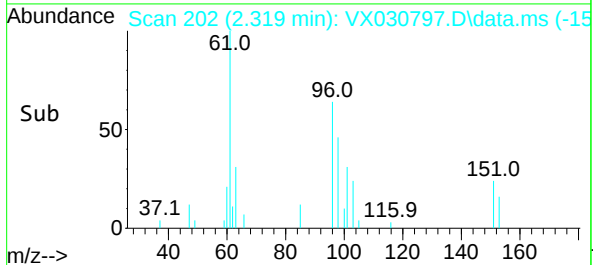
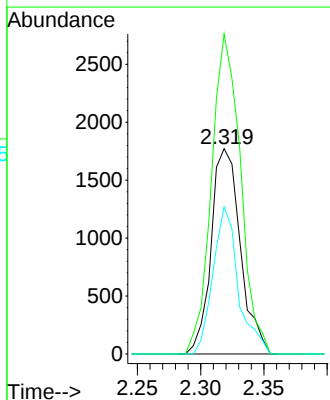
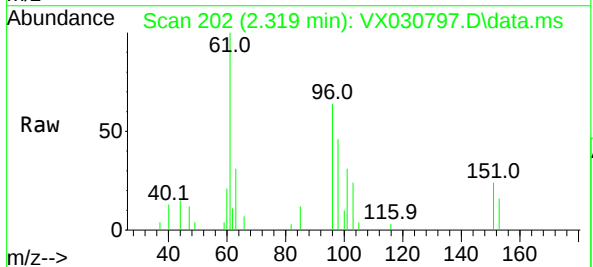
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816

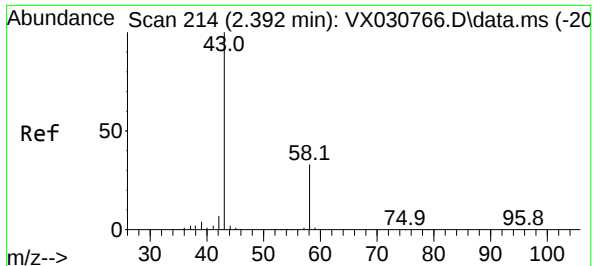
Tgt Ion:142 Resp: 160
Ion Ratio Lower Upper
142 100
127 16.9 30.2 45.2#
141 0.0 11.3 16.9#



#12
1,1-Dichloroethene
Concen: 1.376 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

Tgt Ion: 96 Resp: 2842
Ion Ratio Lower Upper
96 100
61 155.9 117.4 176.0
98 71.7 52.2 78.4

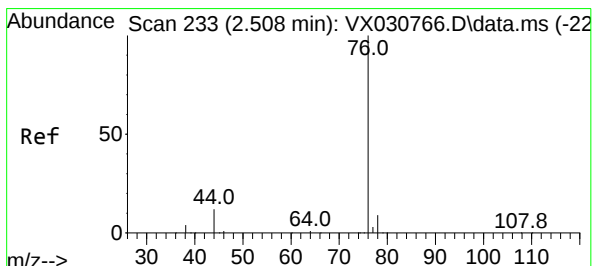
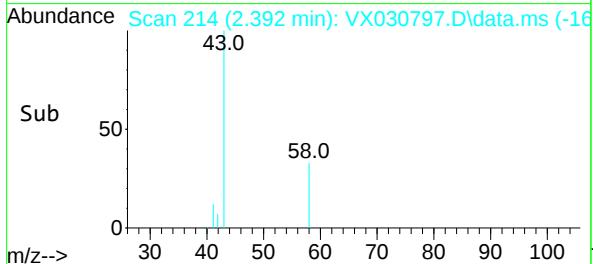
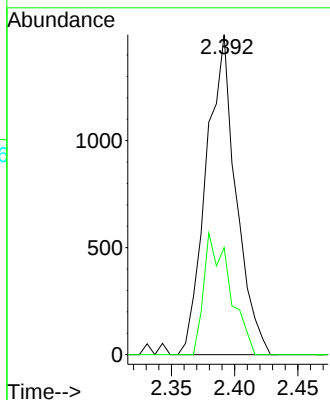
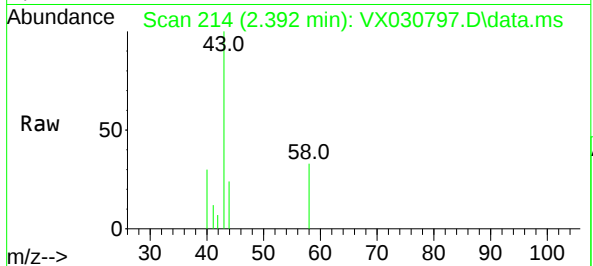




#16
Acetone
Concen: 1.984 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

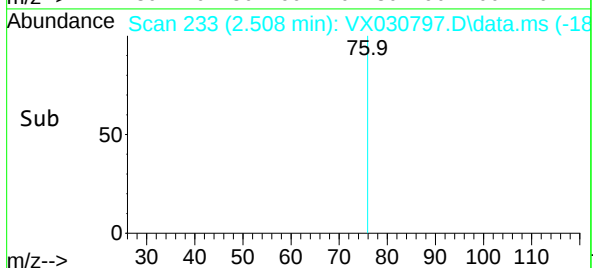
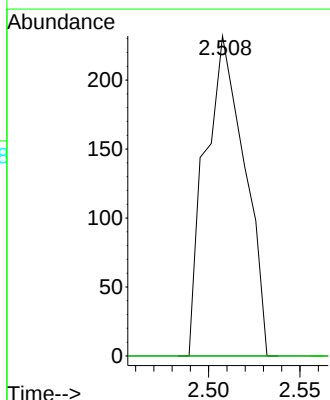
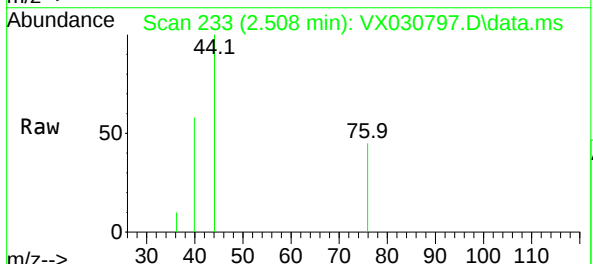
Instrument :
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DUP04-20220816

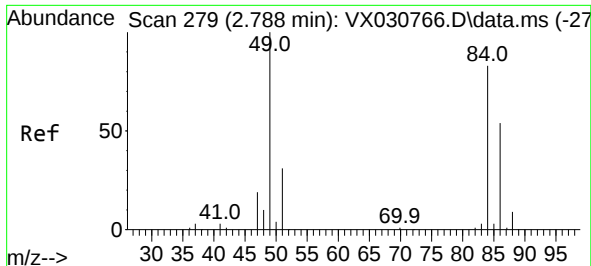
Tgt Ion: 43 Resp: 2456
Ion Ratio Lower Upper
43 100
58 33.4 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

Tgt Ion: 76 Resp: 347
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

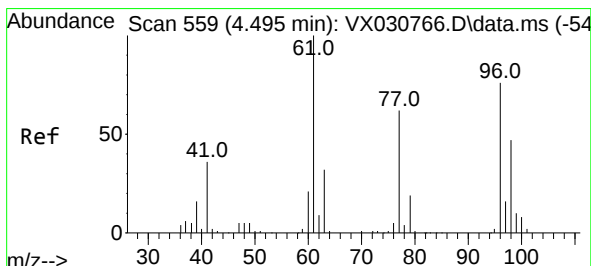
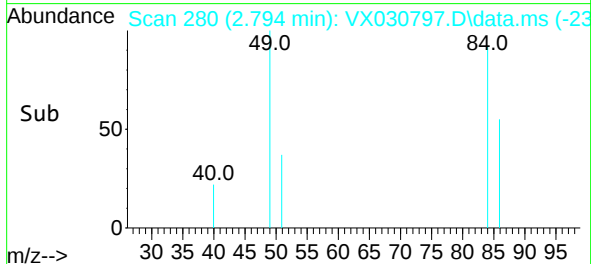
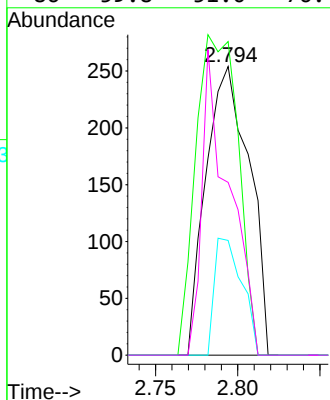
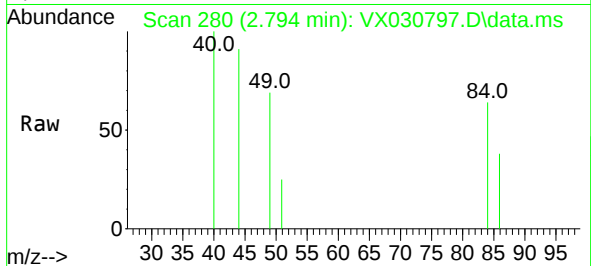




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

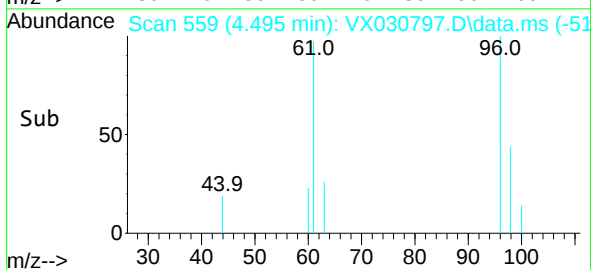
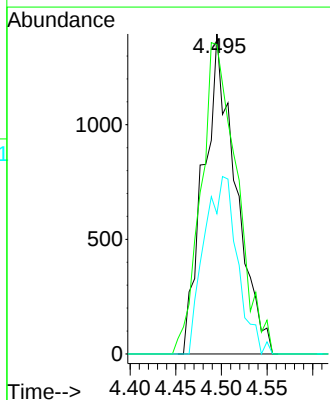
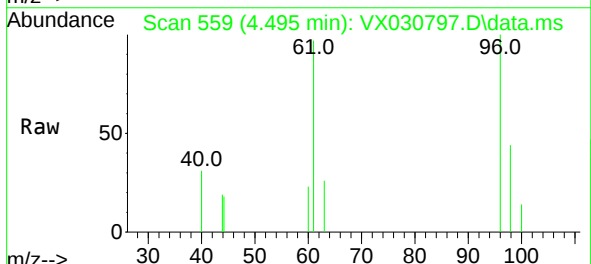
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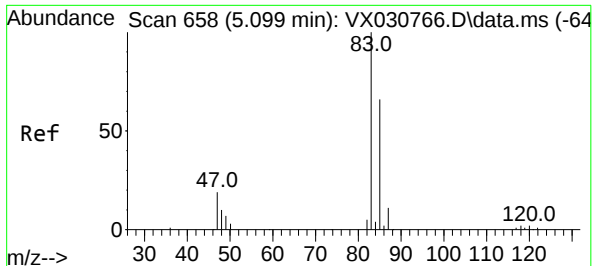
Tgt Ion: 84	Resp: 466
Ion Ratio	Lower Upper
84 100	
49 108.7	93.8 140.6
51 39.8	29.4 44.0
86 59.8	51.0 76.4



#27
cis-1,2-Dichloroethene
Concen: 1.248 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

Tgt Ion: 96	Resp: 3420		
Ion Ratio	Lower	Upper	
96 100			
61 108.5	0.0	270.0	
98 57.3	0.0	127.8	





#30

Chloroform

Concen: 0.387 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX030797.D

Acq: 26 Aug 2022 02:13

Instrument :

MSVOA_X

ClientSampleId :

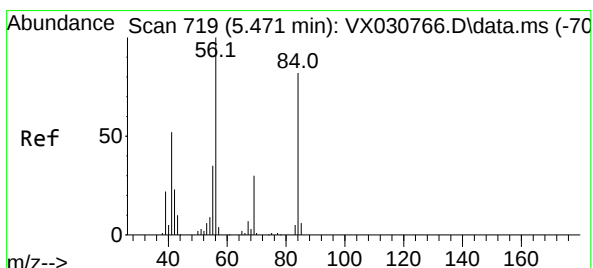
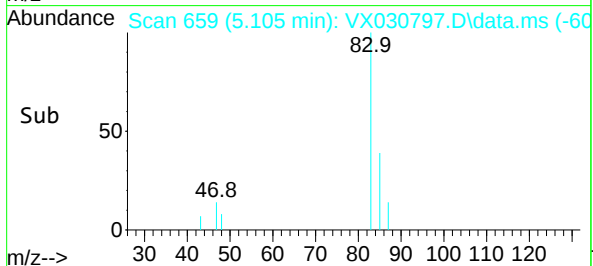
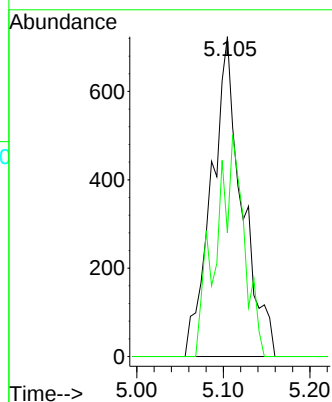
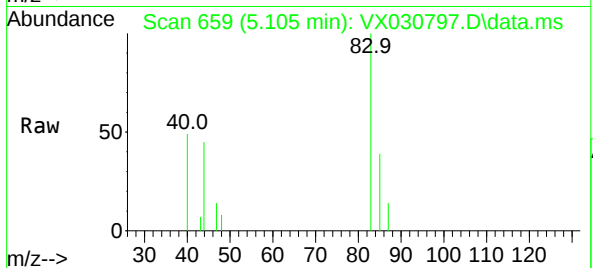
DUP04-20220816

Tgt Ion: 83 Resp: 1770

Ion Ratio Lower Upper

83 100

85 38.7 51.5 77.3#



#31

Cyclohexane

Concen: 1.277 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.091 min

Lab File: VX030797.D

Acq: 26 Aug 2022 02:13

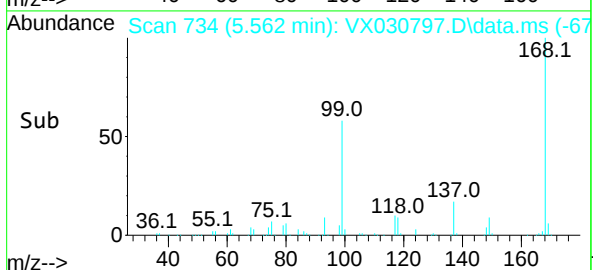
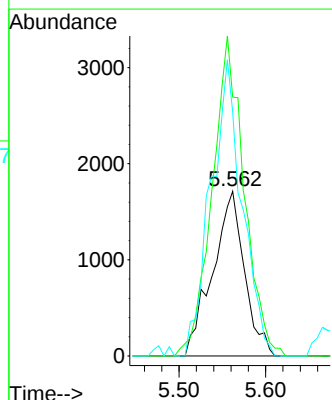
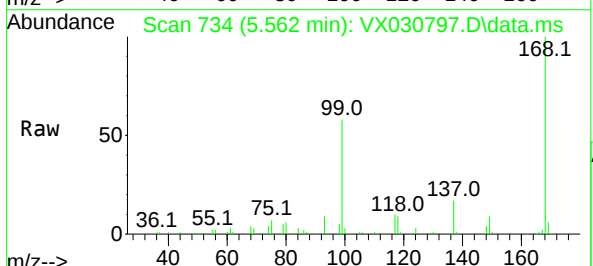
Tgt Ion: 56 Resp: 4376

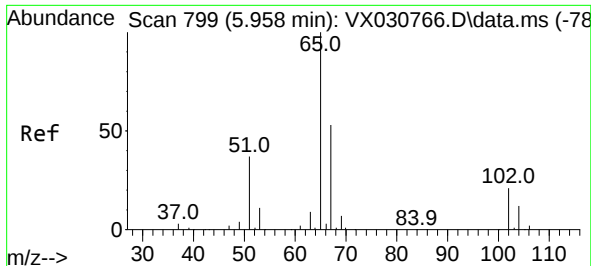
Ion Ratio Lower Upper

56 100

69 152.9 25.4 38.0#

84 148.2 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 52.186 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030797.D

Acq: 26 Aug 2022 02:13

Instrument :

MSVOA_X

ClientSampleId :

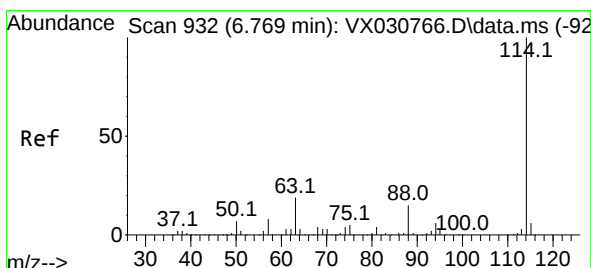
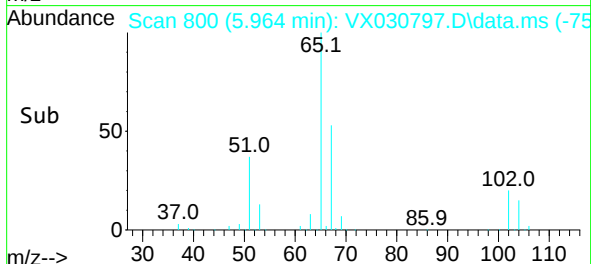
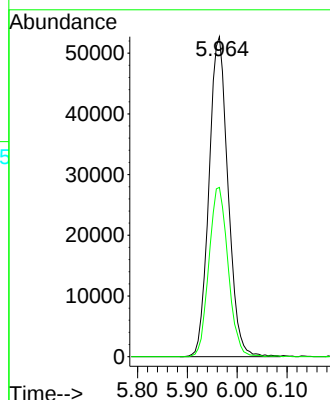
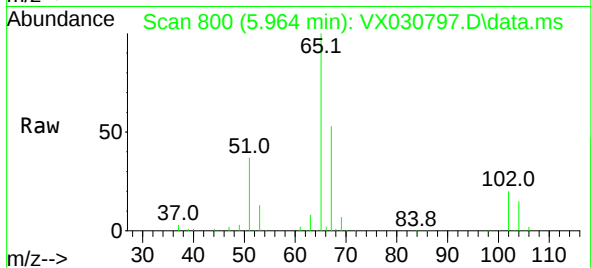
DUP04-20220816

Tgt Ion: 65 Resp: 139817

Ion Ratio Lower Upper

65 100

67 53.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX030797.D

Acq: 26 Aug 2022 02:13

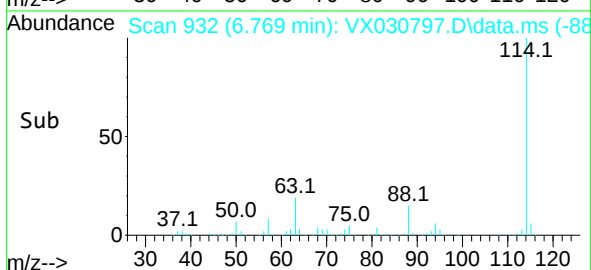
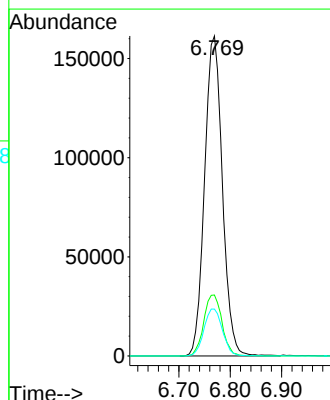
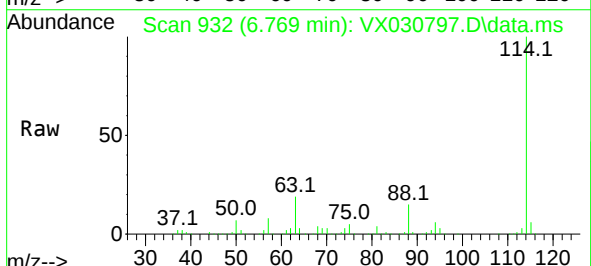
Tgt Ion: 114 Resp: 387933

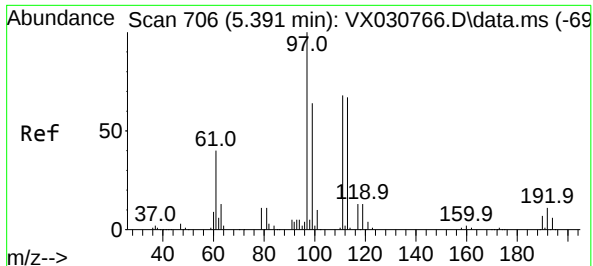
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 14.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.870 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030797.D

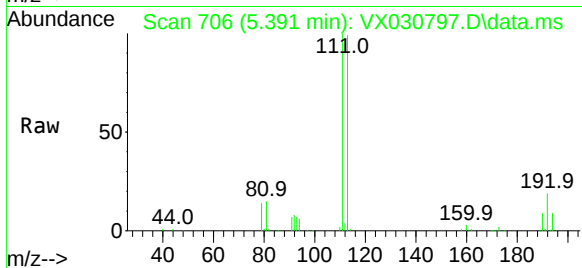
Acq: 26 Aug 2022 02:13

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20220816



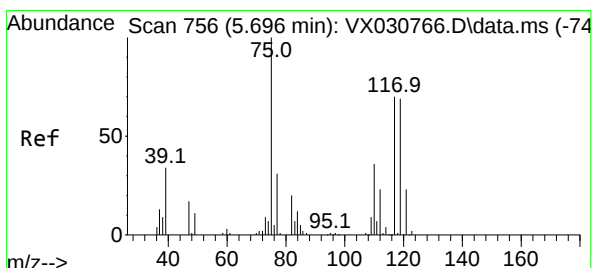
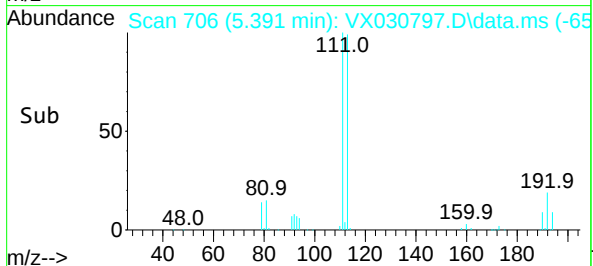
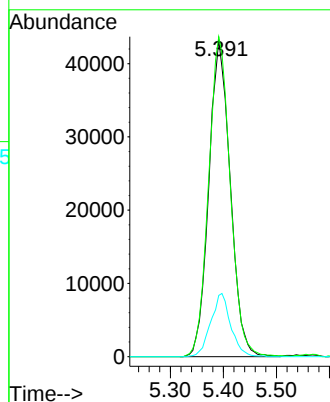
Tgt Ion:113 Resp: 121282

Ion Ratio Lower Upper

113 100

111 102.4 83.2 124.8

192 18.7 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.395 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX030797.D

Acq: 26 Aug 2022 02:13

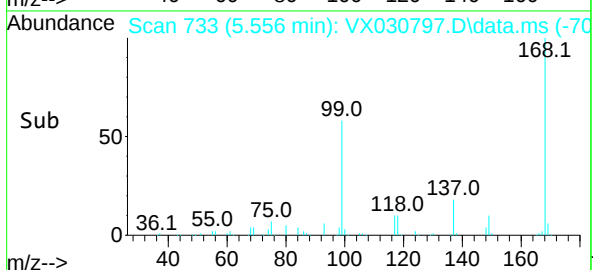
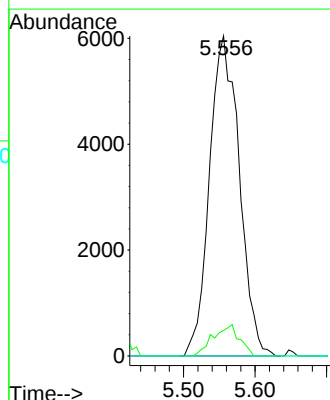
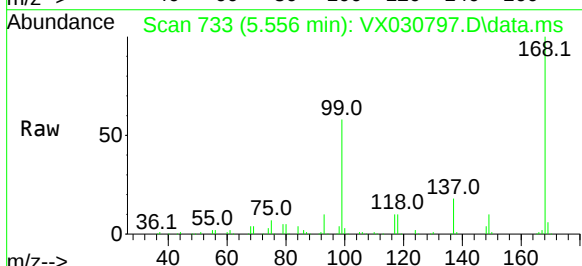
Tgt Ion: 75 Resp: 17516

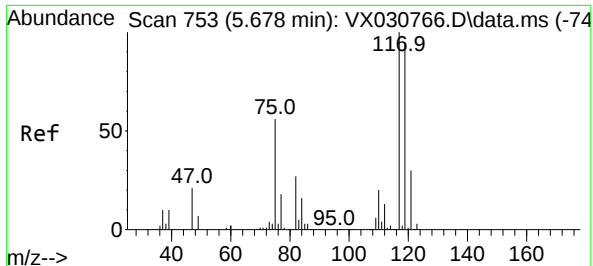
Ion Ratio Lower Upper

75 100

110 8.6 19.3 57.9#

77 0.0 24.4 36.6#

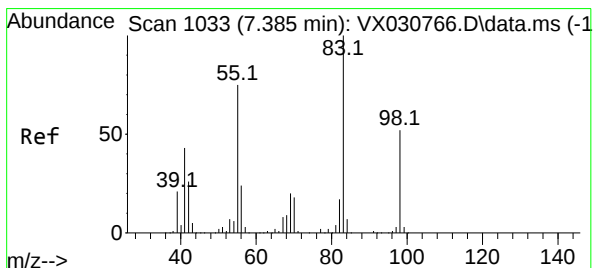
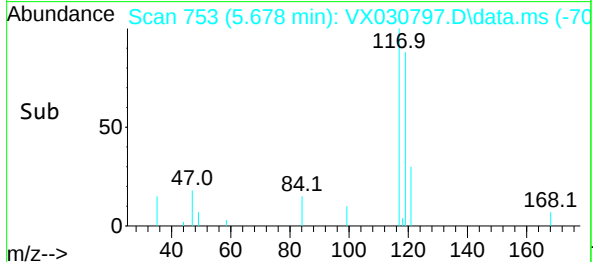
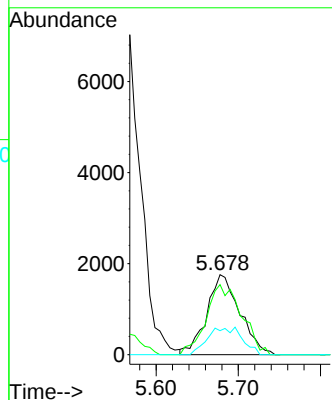
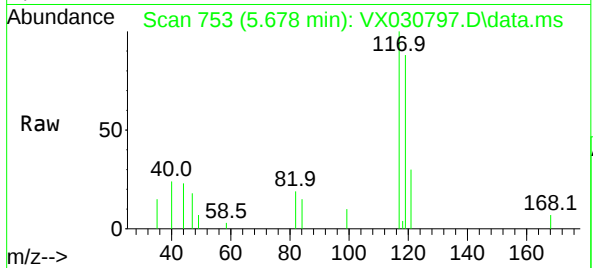




#38
Carbon Tetrachloride
Concen: 1.432 ug/l
RT: 5.678 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

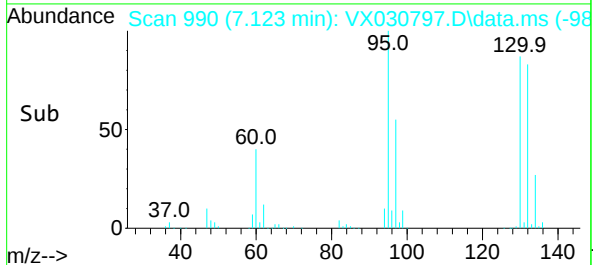
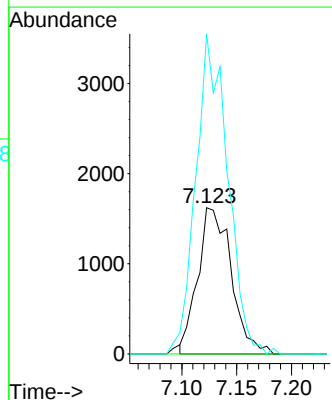
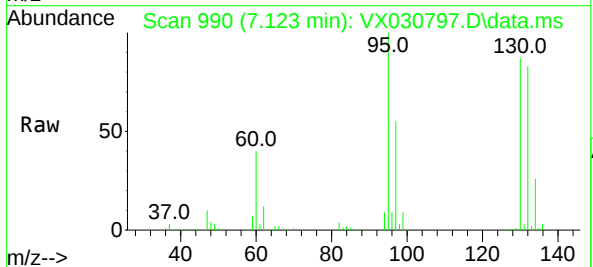
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816

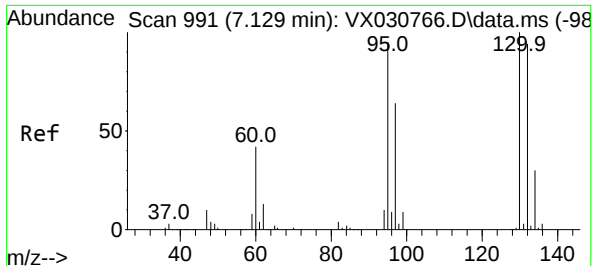
Tgt Ion:117 Resp: 4904
Ion Ratio Lower Upper
117 100
119 87.6 74.1 111.1
121 30.0 25.8 38.8



#39
Methylcyclohexane
Concen: 0.886 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

Tgt Ion: 83 Resp: 3441
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 218.9 36.5 54.7#

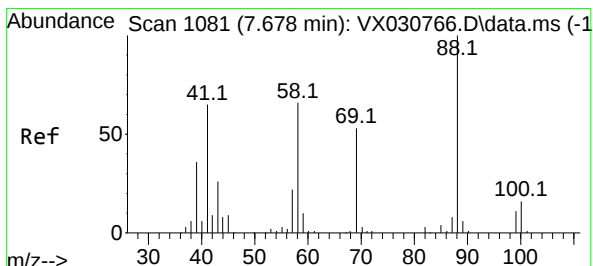
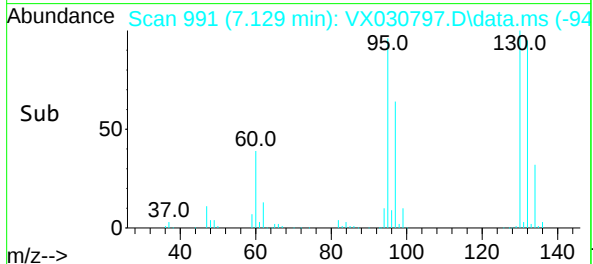
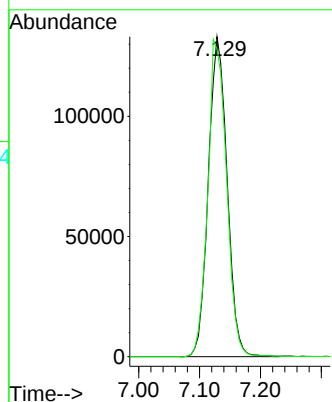
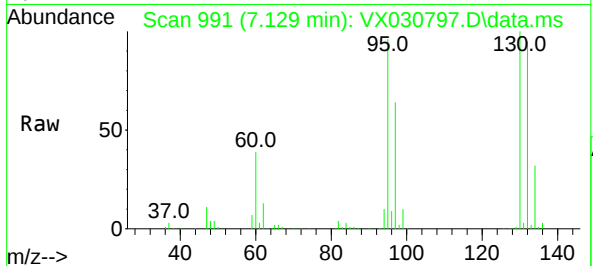




#44
Trichloroethene
Concen: 101.586 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

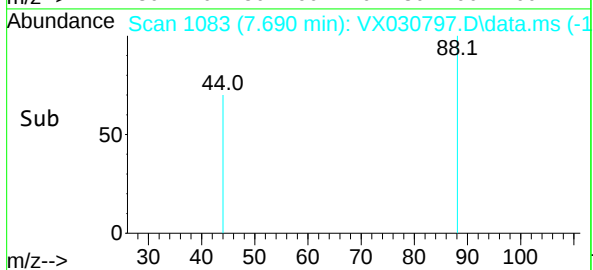
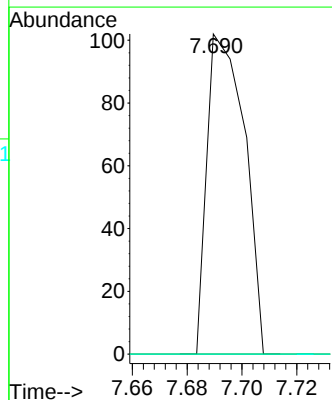
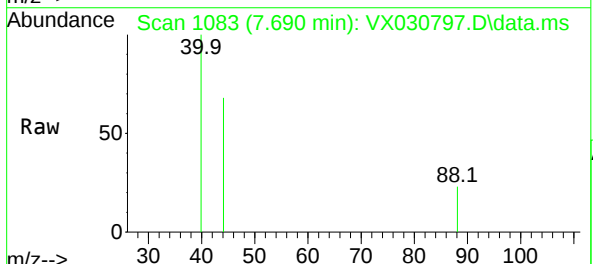
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816

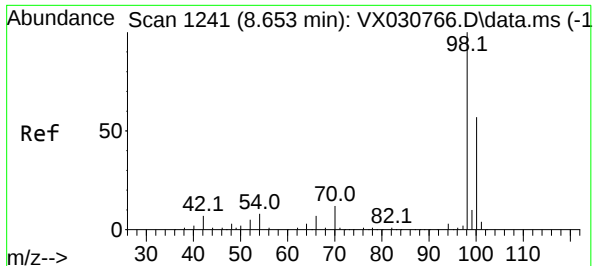
Tgt Ion:130 Resp: 285074
Ion Ratio Lower Upper
130 100
95 96.0 0.0 194.8



#49
1,4-Dioxane
Concen: 1.361 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.012 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

Tgt Ion: 88 Resp: 97
Ion Ratio Lower Upper
88 100
43 0.0 23.8 35.8#
58 0.0 53.8 80.6#

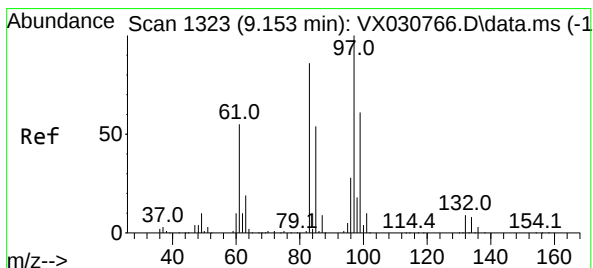
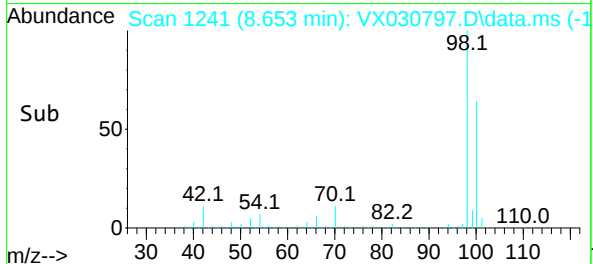
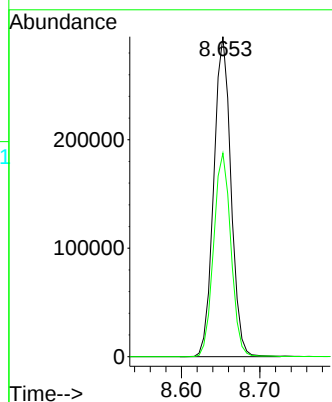
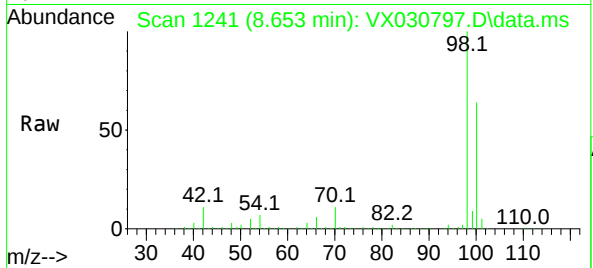




#50
Toluene-d8
Concen: 54.178 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

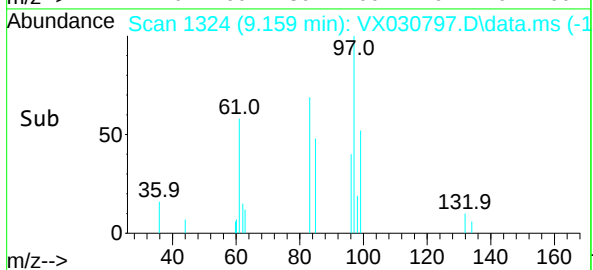
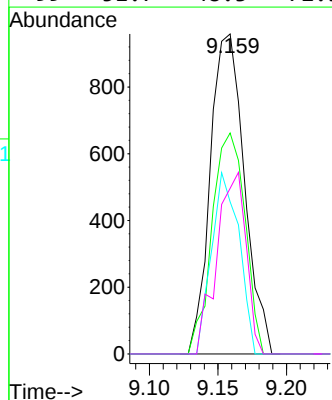
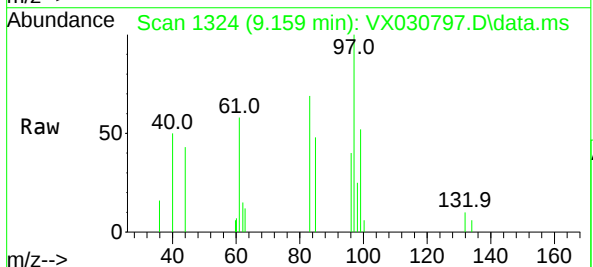
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816

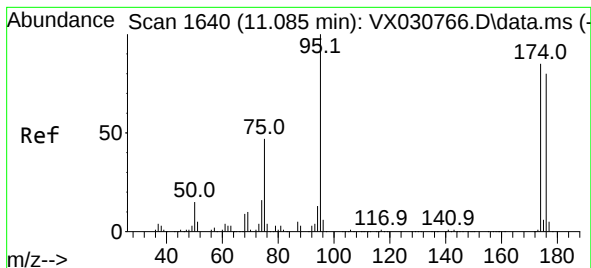
Tgt Ion: 98 Resp: 450114
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5



#55
1,1,2-Trichloroethane
Concen: 0.616 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

Tgt Ion: 97 Resp: 1660
Ion Ratio Lower Upper
97 100
83 69.0 68.9 103.3
85 47.5 44.0 66.0
99 51.7 48.3 72.5

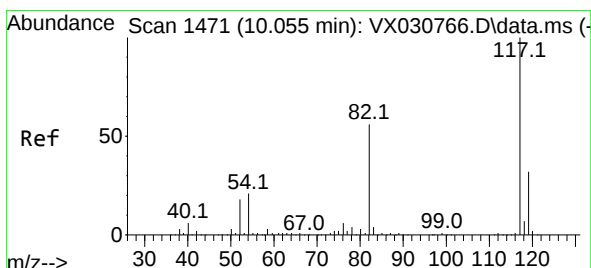
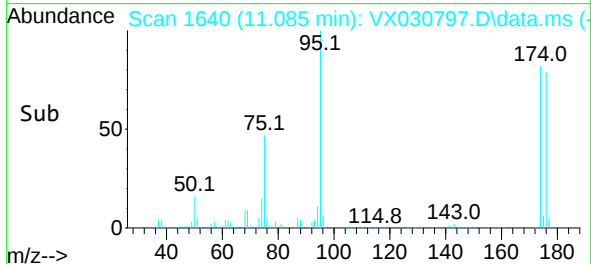
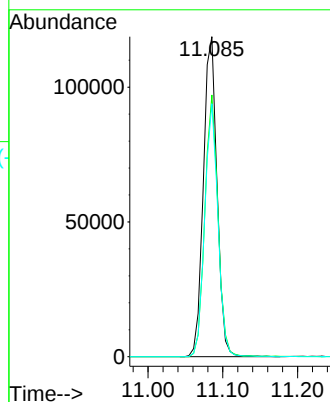
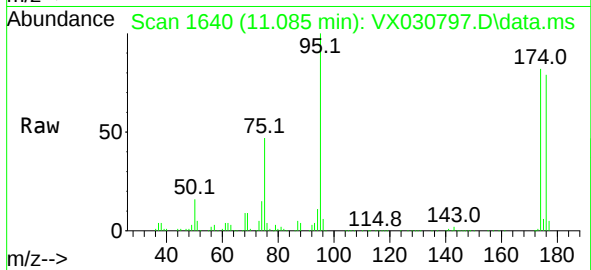




#62
4-Bromofluorobenzene
Concen: 48.671 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

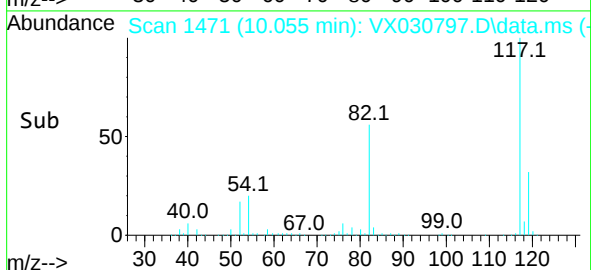
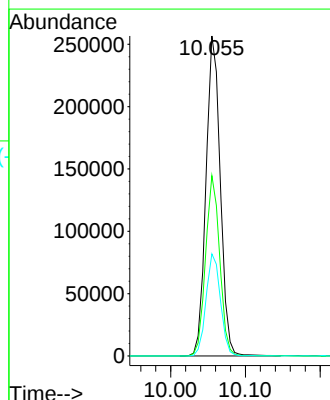
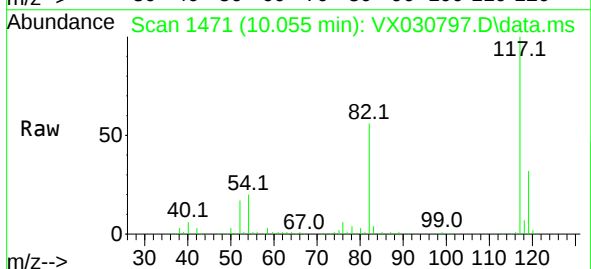
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816

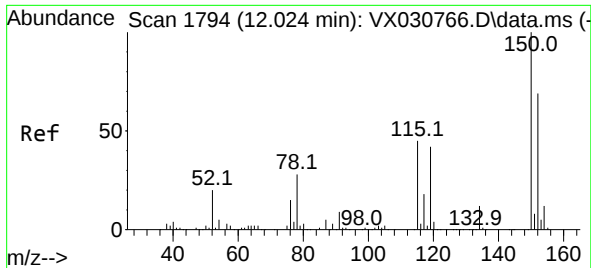
Tgt Ion: 95 Resp: 150543
Ion Ratio Lower Upper
95 100
174 78.9 0.0 149.0
176 76.6 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030797.D
Acq: 26 Aug 2022 02:13

Tgt Ion: 117 Resp: 340931
Ion Ratio Lower Upper
117 100
82 56.4 42.7 64.1
119 31.9 25.4 38.2

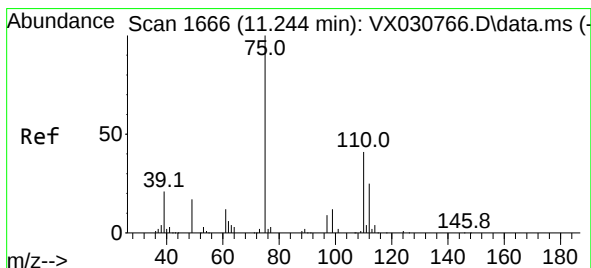
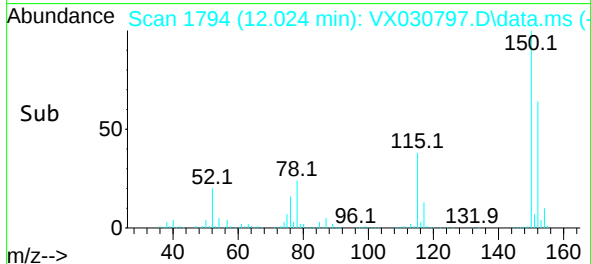
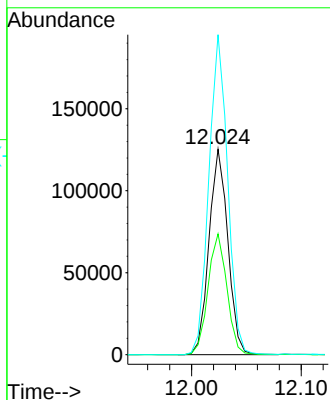
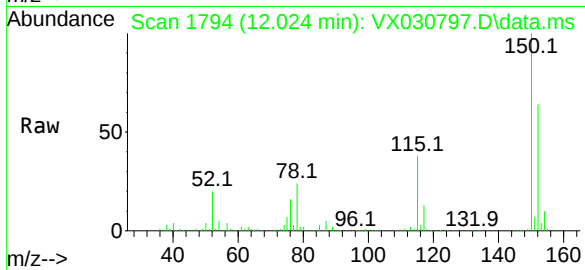




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030797.D
 Acq: 26 Aug 2022 02:13

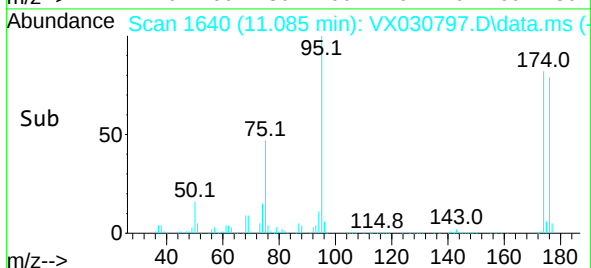
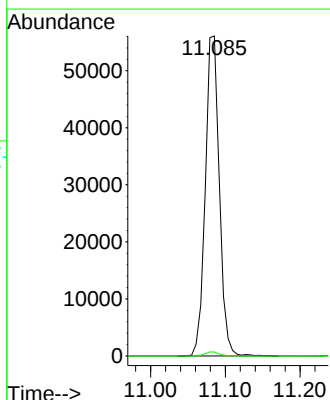
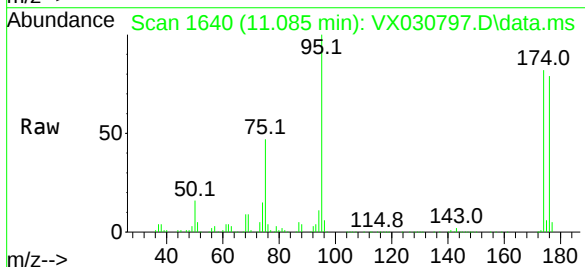
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20220816

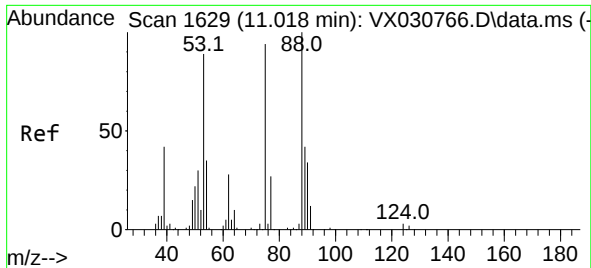
Tgt Ion:152 Resp: 149723
 Ion Ratio Lower Upper
 152 100
 115 58.9 40.5 121.5
 150 155.5 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 22.296 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030797.D
 Acq: 26 Aug 2022 02:13

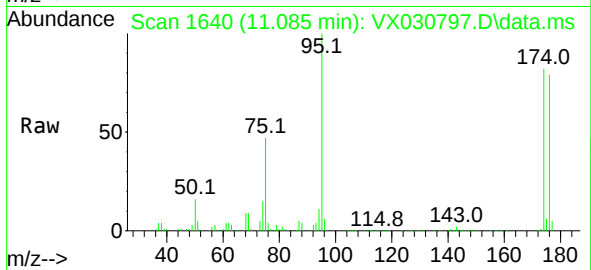
Tgt Ion: 75 Resp: 73136
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.936 ug/l
 RT: 11.085 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX030797.D
 Acq: 26 Aug 2022 02:13

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20220816



Tgt Ion: 75 Resp: 73136
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

