

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030853.D
 Acq On : 27 Aug 2022 07:26
 Operator : JC/MD
 Sample : N4281-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D4-20220818

Quant Time: Aug 27 22:21:12 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)

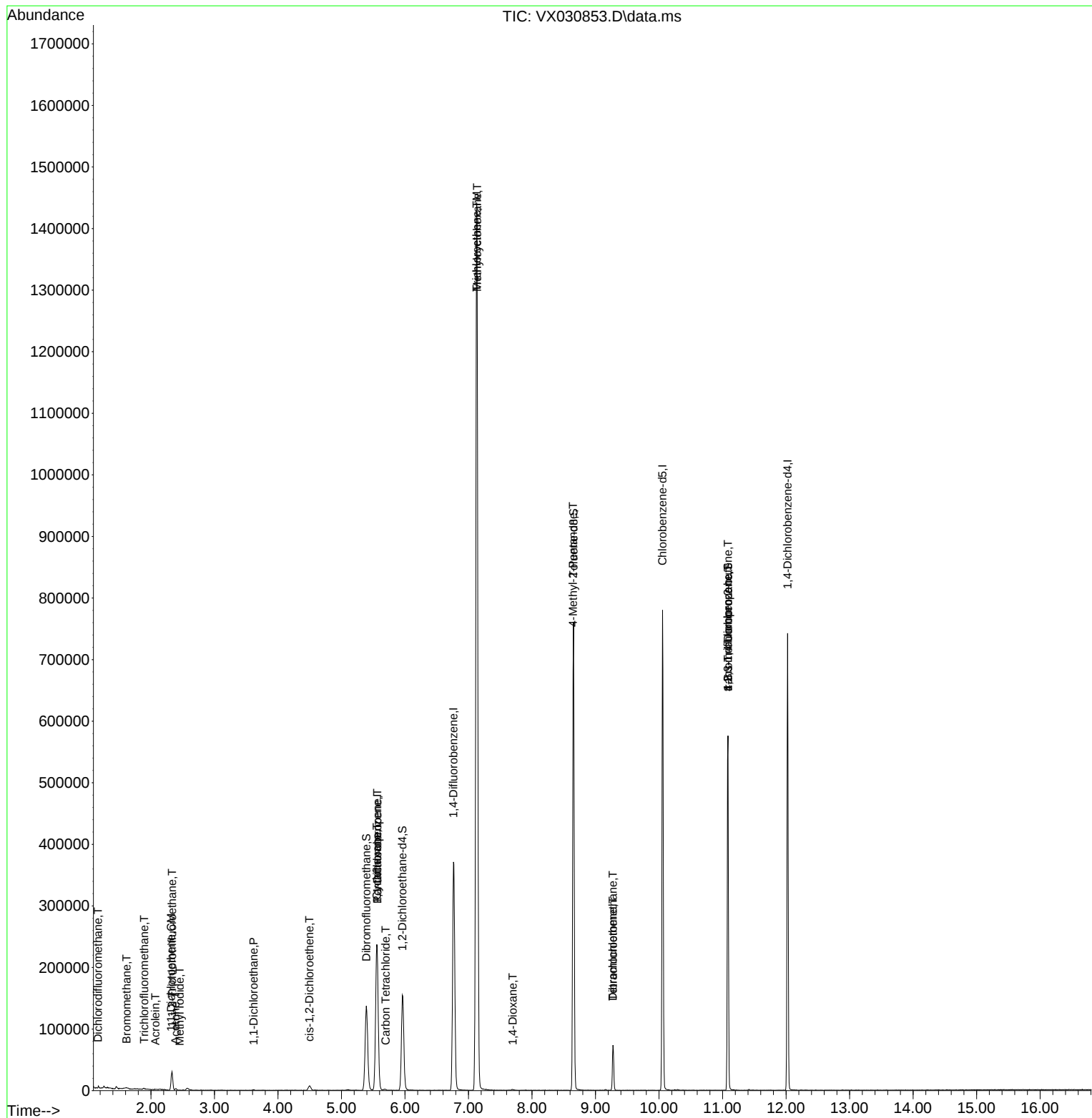
Internal Standards						
1) Pentafluorobenzene	5.562	168	221889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	382397	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	347682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	149649	57.337	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.680%	
35) Dibromofluoromethane	5.391	113	120525	51.284	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.560%	
50) Toluene-d8	8.653	98	457083	55.813	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.620%	
62) 4-Bromofluorobenzene	11.085	95	152123	49.894	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.780%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	809	0.393	ug/l	75
3) Chloromethane	1.294	50	215	Below Cal	#	87
4) Vinyl Chloride	1.367	62	40	Below Cal	#	1
5) Bromomethane	1.617	94	272	0.263	ug/l	85
6) Chloroethane	1.684	64	87	Below Cal	#	41
7) Trichlorofluoromethane	1.892	101	1008	0.297	ug/l	# 77
9) 1,1,2-Trichlorotrifluo...	2.331	101	10669	4.937	ug/l	97
10) Methyl Iodide	2.453	142	146	4.104	ug/l	# 45
12) 1,1-Dichloroethene	2.318	96	2042	1.015	ug/l	90
13) Acrolein	2.068	56	26	10.102	ug/l	# 60
16) Acetone	2.385	43	2124	1.761	ug/l	97
17) Carbon Disulfide	2.513	76	197	Below Cal	#	74
20) Methylene Chloride	2.794	84	221	Below Cal	#	59
24) 1,1-Dichloroethane	3.617	63	1134	0.268	ug/l	# 82
27) cis-1,2-Dichloroethene	4.495	96	5165	1.935	ug/l	90
31) Cyclohexane	5.556	56	4937	1.479	ug/l	# 33
36) 1,1-Dichloropropene	5.562	75	18584	5.807	ug/l	# 49
38) Carbon Tetrachloride	5.696	117	1223	0.362	ug/l	# 80
39) Methylcyclohexane	7.135	83	6968	1.819	ug/l	# 1
44) Trichloroethene	7.129	130	561402	202.952	ug/l	95
49) 1,4-Dioxane	7.695	88	1562	22.232	ug/l	# 82
51) 4-Methyl-2-Pentanone	8.647	43	1921	0.499	ug/l	# 1
60) Dibromochloromethane	9.274	129	14139	5.105	ug/l	# 11
64) Tetrachloroethene	9.274	164	13571	4.955	ug/l	87
76) 1,2,3-Trichloropropane	11.085	75	77810	23.507	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	77810	75.843	ug/l	# 13

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

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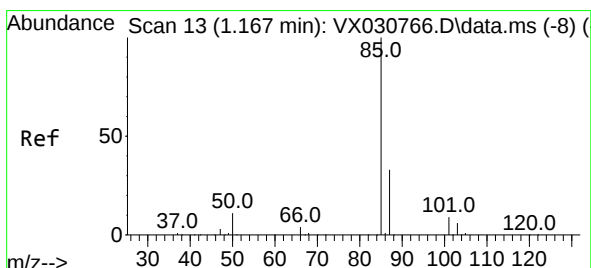
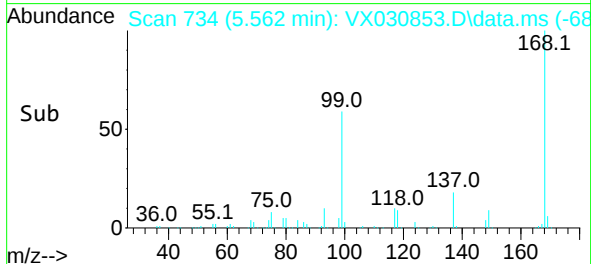
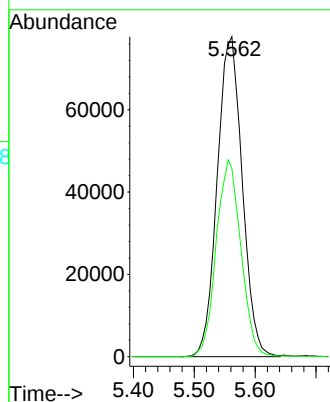
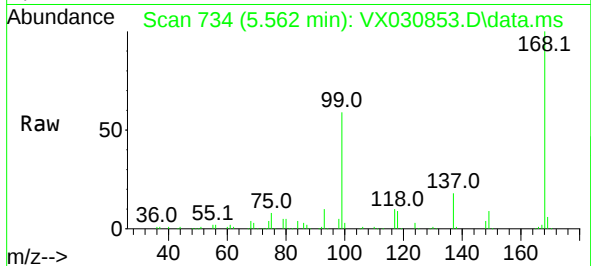




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

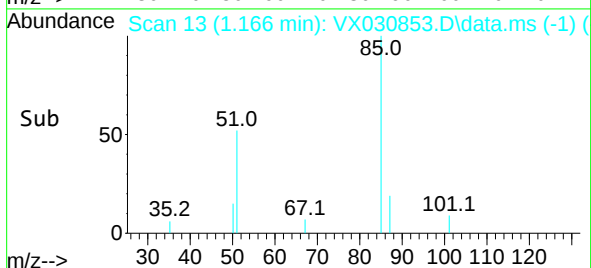
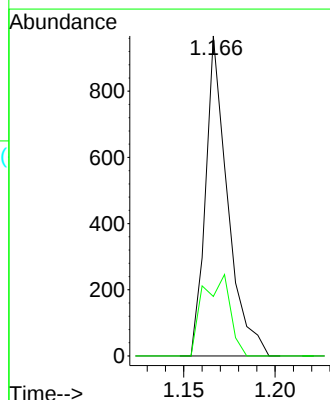
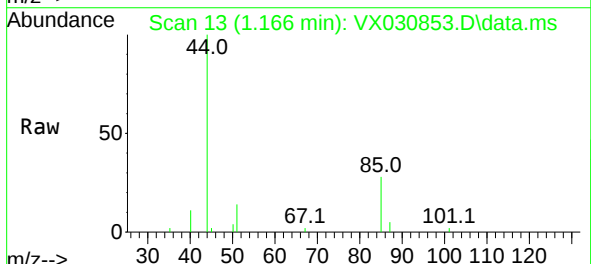
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MSVOA_X
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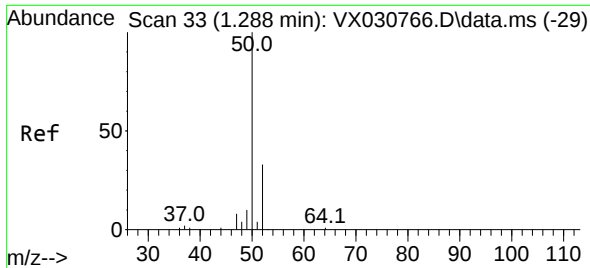
Tgt Ion:168 Resp: 221889
Ion Ratio Lower Upper
168 100
99 58.9 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 0.393 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

Tgt Ion: 85 Resp: 809
Ion Ratio Lower Upper
85 100
87 18.6 16.5 49.5

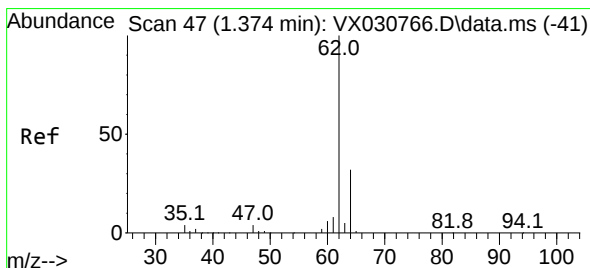
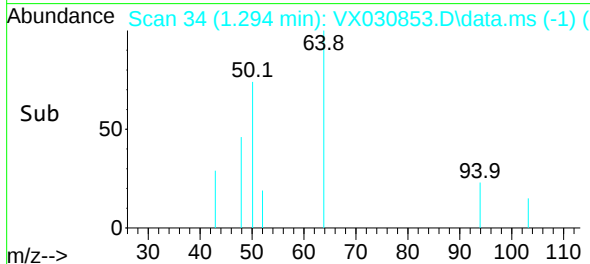
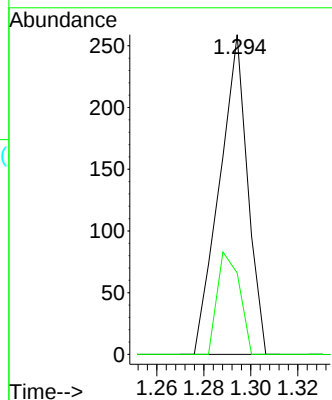
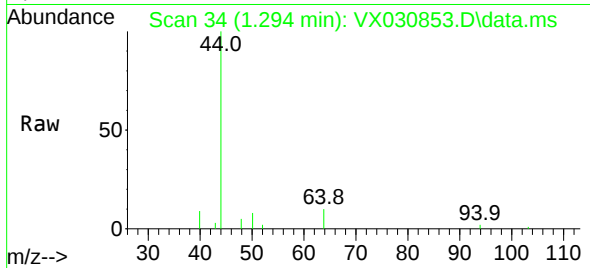




#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

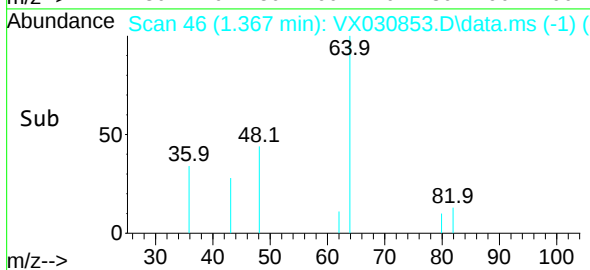
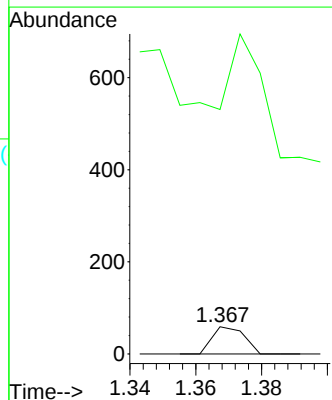
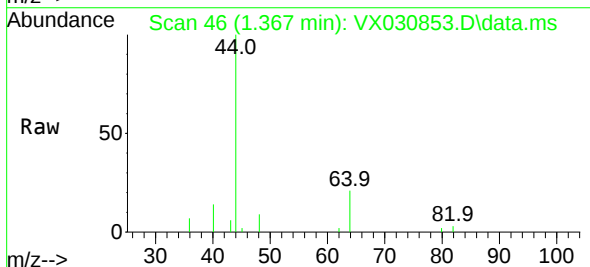
Instrument :
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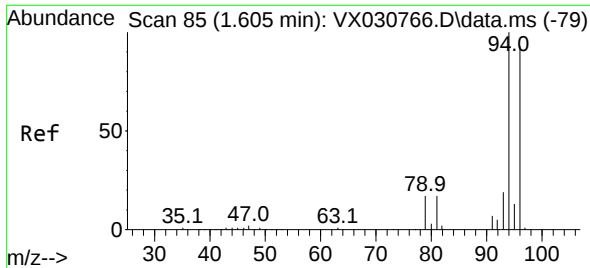
Tgt Ion: 50 Resp: 215
Ion Ratio Lower Upper
50 100
52 25.5 26.3 39.5#



#4
Vinyl Chloride
Concen: Below Cal
RT: 1.367 min Scan# 46
Delta R.T. -0.007 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

Tgt Ion: 62 Resp: 40
Ion Ratio Lower Upper
62 100
64 178.0 25.2 37.8#

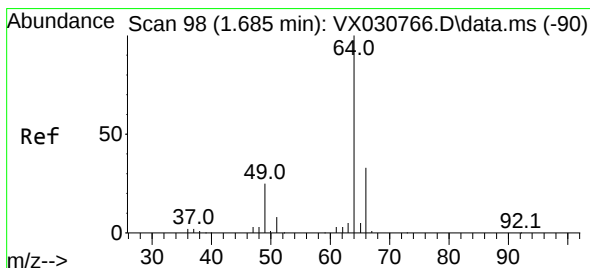
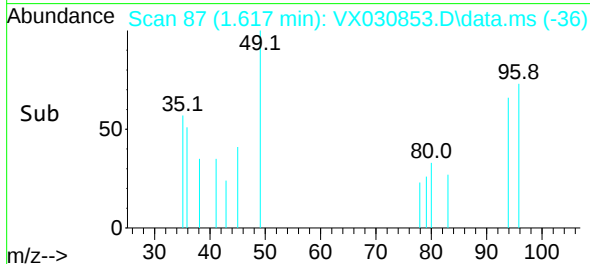
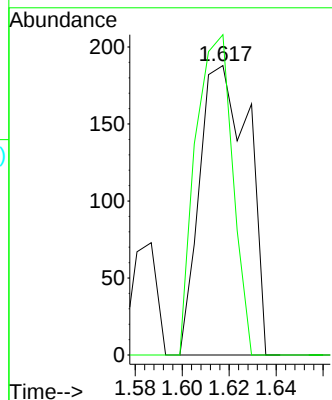
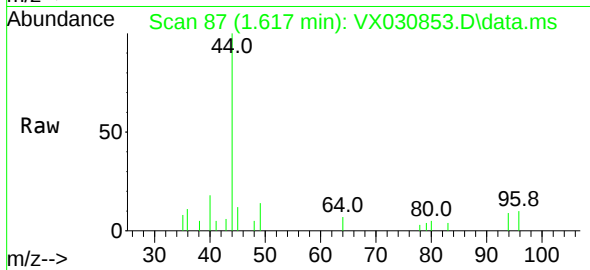




#5
Bromomethane
Concen: 0.263 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

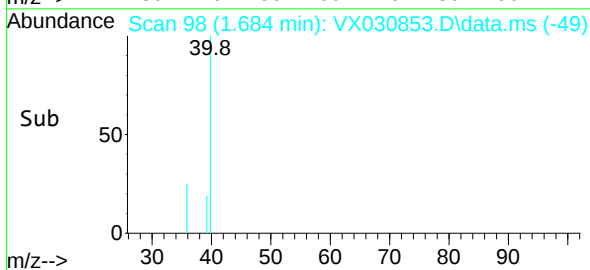
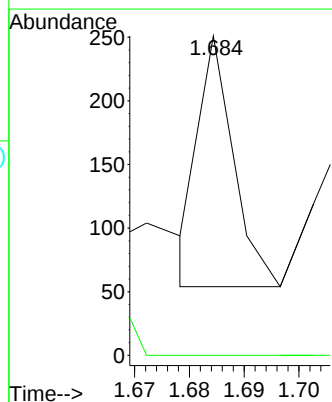
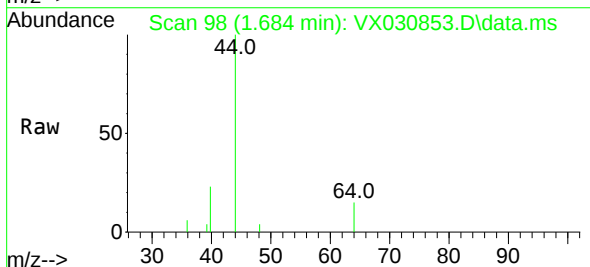
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20220818

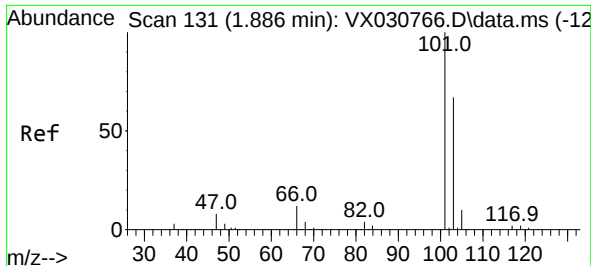
Tgt Ion: 94 Resp: 272
Ion Ratio Lower Upper
94 100
96 110.6 76.9 115.3



#6
Chloroethane
Concen: Below Cal
RT: 1.684 min Scan# 98
Delta R.T. -0.001 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

Tgt Ion: 64 Resp: 87
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

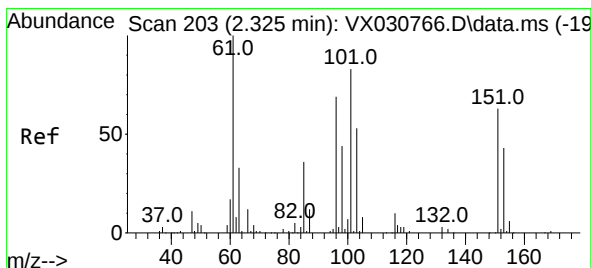
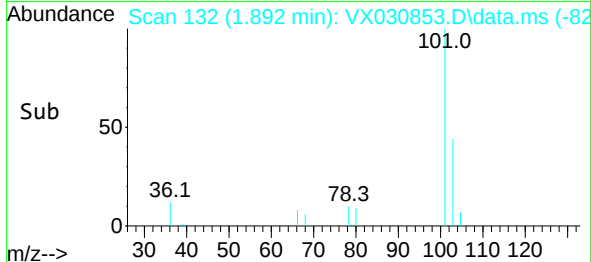
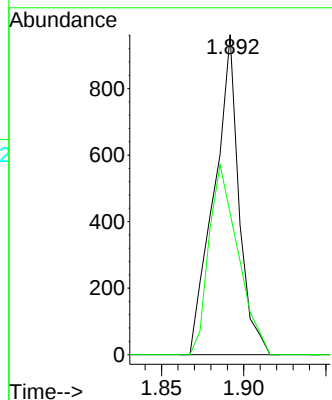
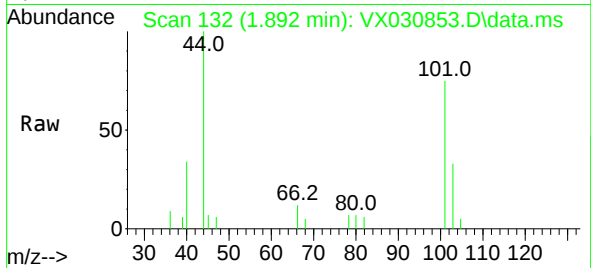




#7
 Trichlorofluoromethane
 Concen: 0.297 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX030853.D
 Acq: 27 Aug 2022 07:26

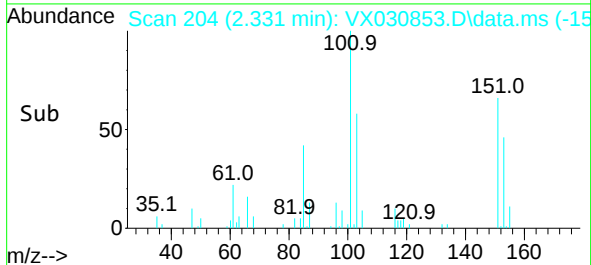
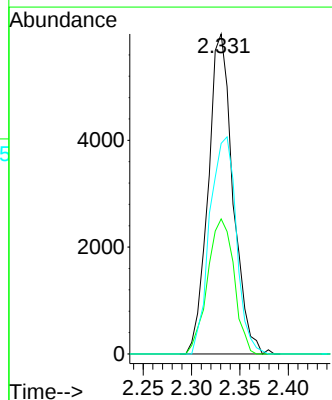
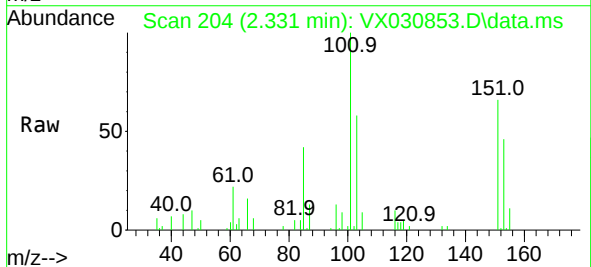
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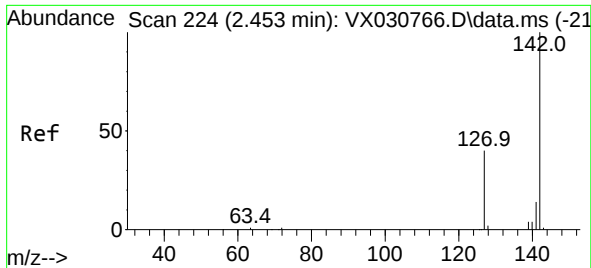
Tgt Ion:101 Resp: 1008
 Ion Ratio Lower Upper
 101 100
 103 44.2 49.7 74.5#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.937 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: VX030853.D
 Acq: 27 Aug 2022 07:26

Tgt Ion:101 Resp: 10669
 Ion Ratio Lower Upper
 101 100
 85 44.9 34.0 51.0
 151 72.7 59.4 89.0

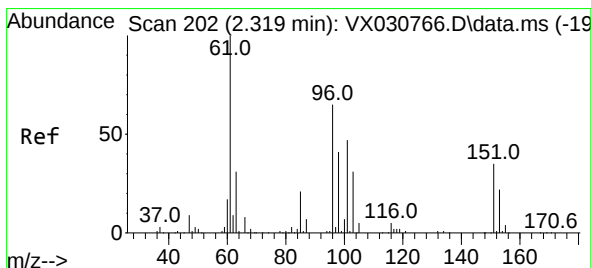
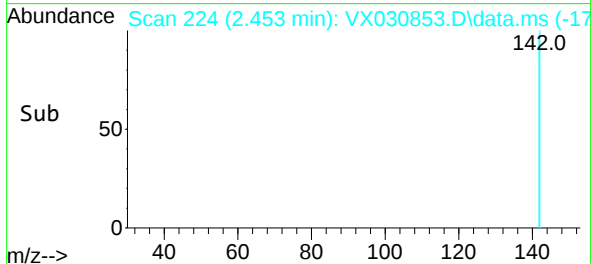
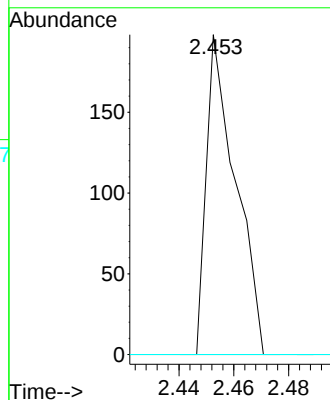
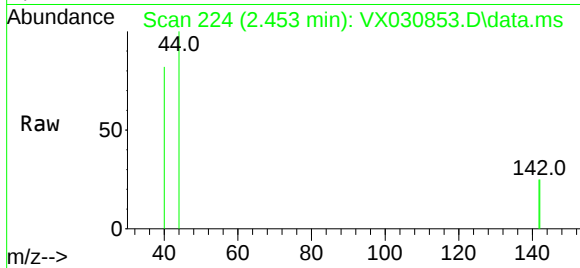




#10
Methyl Iodide
Concen: 4.104 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

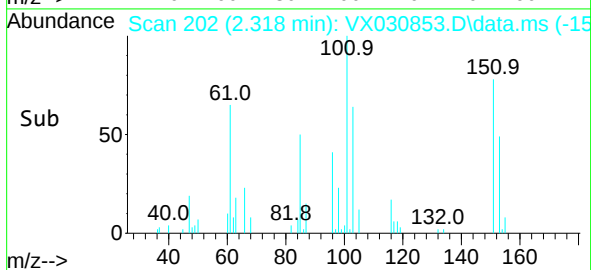
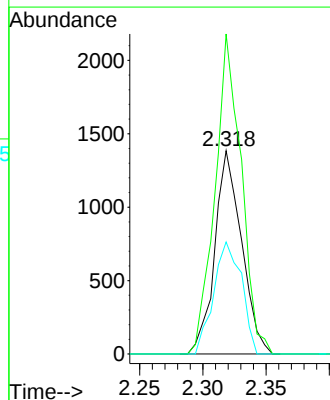
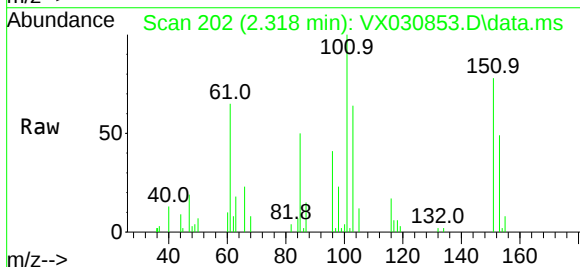
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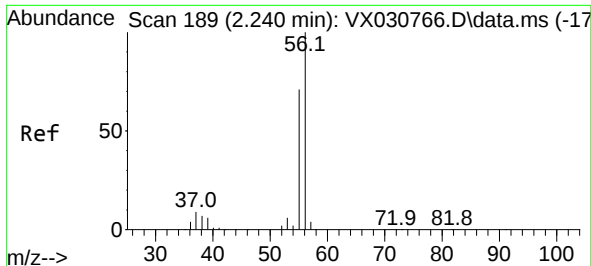
Tgt Ion:142 Resp: 146
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#12
1,1-Dichloroethene
Concen: 1.015 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

Tgt Ion: 96 Resp: 2042
Ion Ratio Lower Upper
96 100
61 157.4 117.4 176.0
98 55.1 52.2 78.4

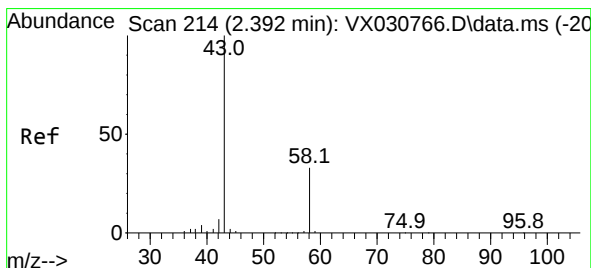
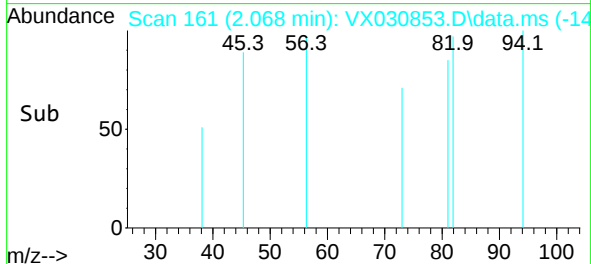
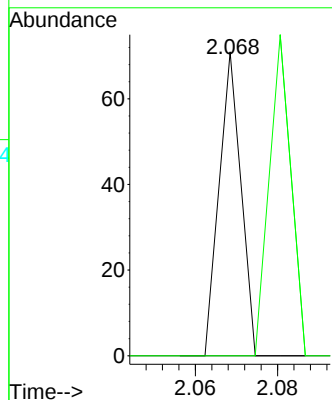
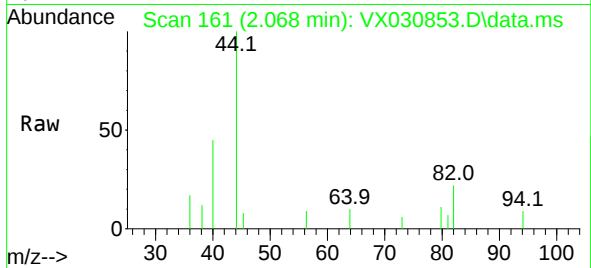




#13
Acrolein
Concen: 10.102 ug/l
RT: 2.068 min Scan# 11
Delta R.T. -0.172 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

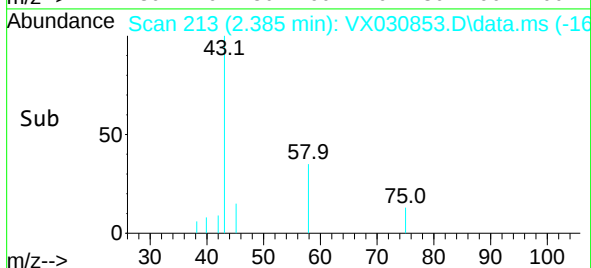
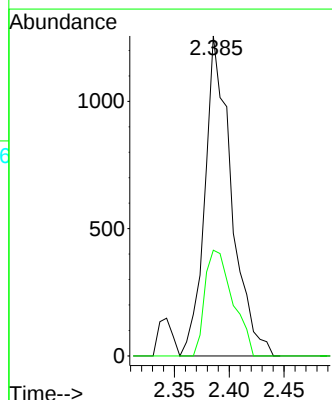
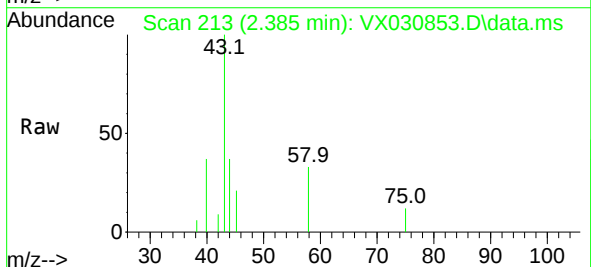
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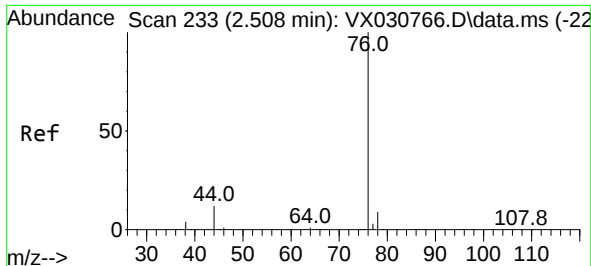
Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 103.8 56.6 84.8#



#16
Acetone
Concen: 1.761 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

Tgt Ion: 43 Resp: 2124
Ion Ratio Lower Upper
43 100
58 33.0 27.7 41.5

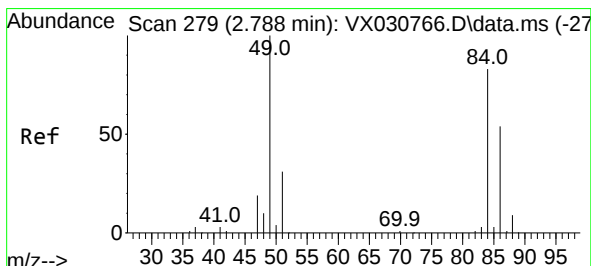
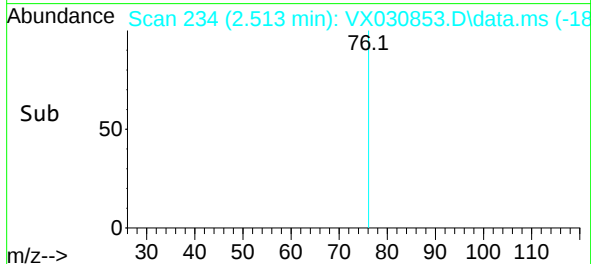
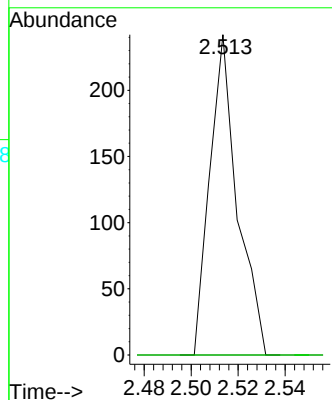
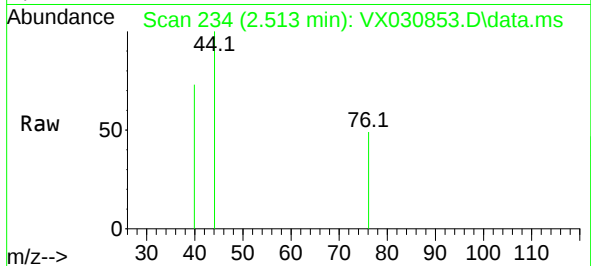




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.513 min Scan# 21
Delta R.T. 0.005 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

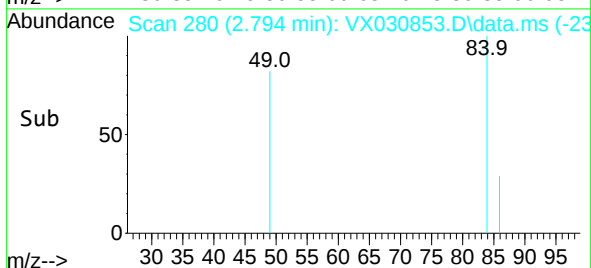
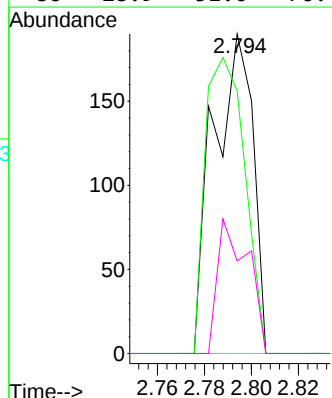
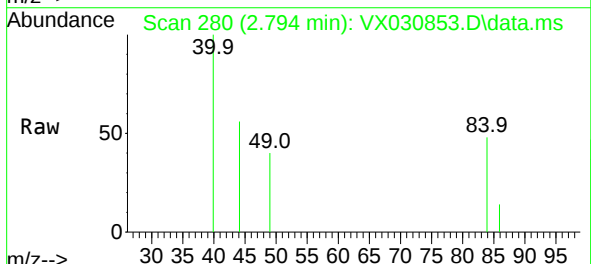
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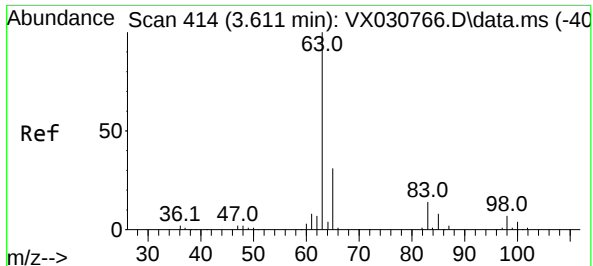
Tgt Ion: 76 Resp: 197
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

Tgt Ion: 84 Resp: 221
Ion Ratio Lower Upper
84 100
49 82.1 93.8 140.6#
51 0.0 29.4 44.0#
86 28.9 51.0 76.4#

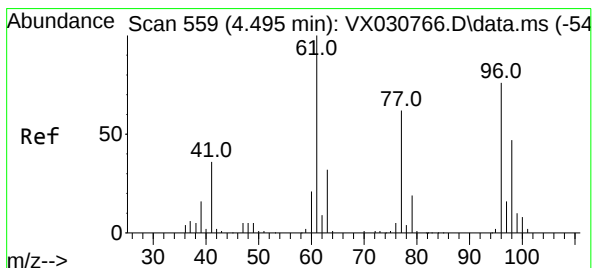
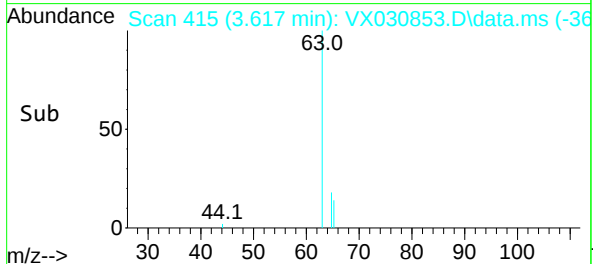
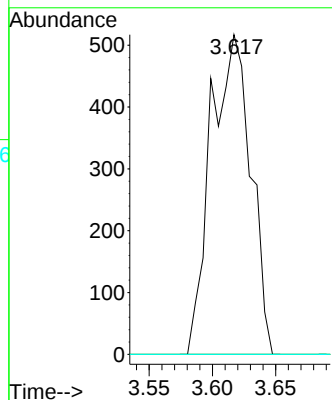
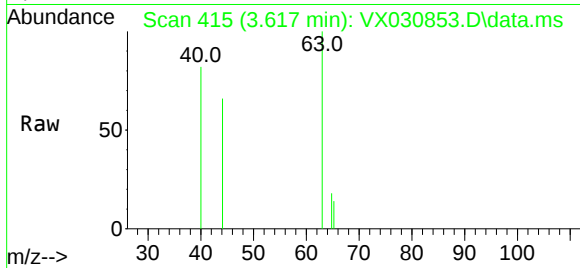




#24
1,1-Dichloroethane
Concen: 0.268 ug/l
RT: 3.617 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

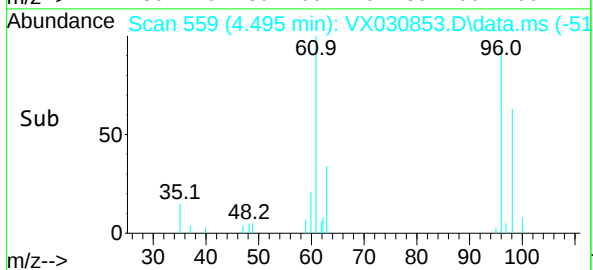
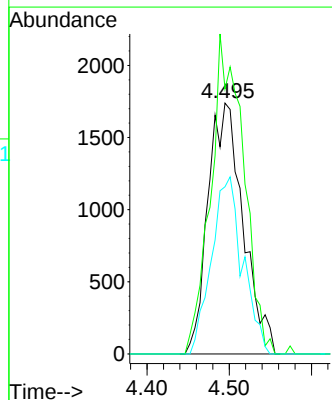
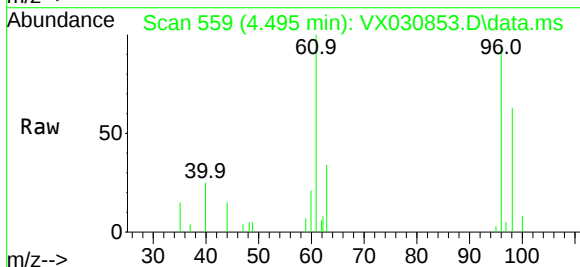
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20220818

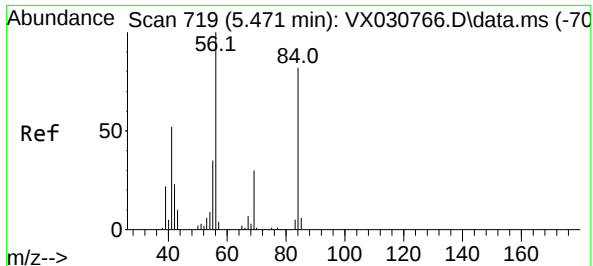
Tgt Ion: 63 Resp: 1134
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.5#
100 0.0 2.3 6.9#



#27
cis-1,2-Dichloroethene
Concen: 1.935 ug/l
RT: 4.495 min Scan# 559
Delta R.T. -0.000 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

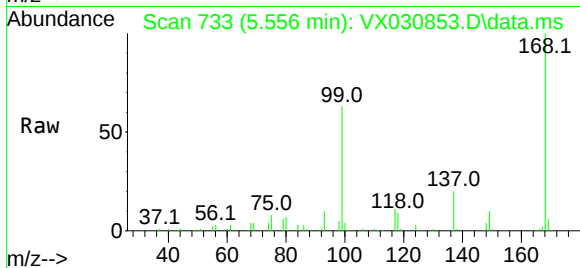
Tgt Ion: 96 Resp: 5165
Ion Ratio Lower Upper
96 100
61 118.9 0.0 270.0
98 62.6 0.0 127.8



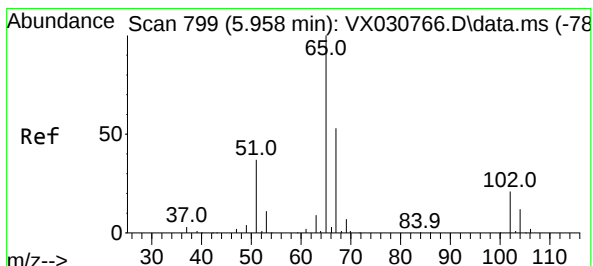
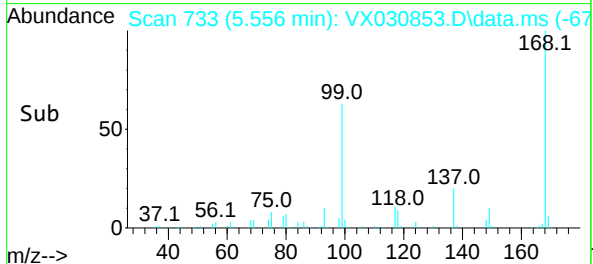
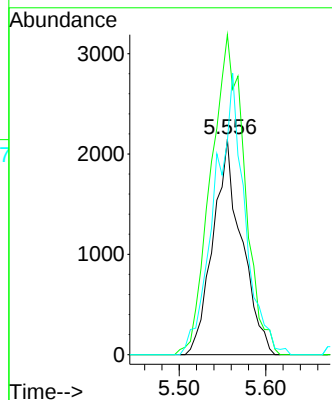


#31
Cyclohexane
Concen: 1.479 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20220818

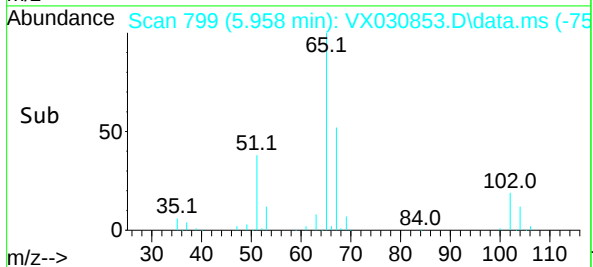
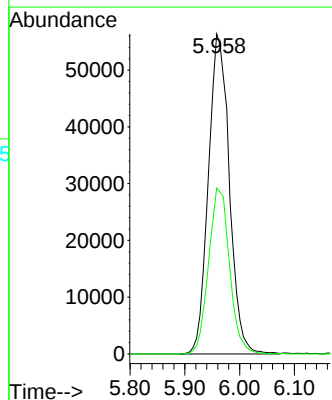
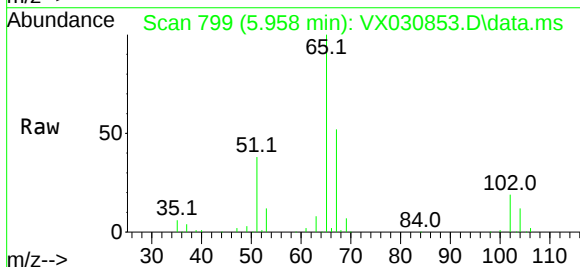


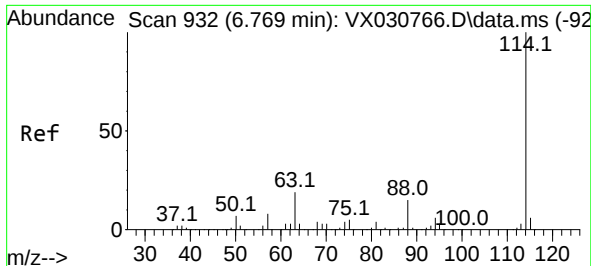
Tgt Ion: 56 Resp: 4937
Ion Ratio Lower Upper
56 100
69 148.5 25.4 38.0#
84 99.1 68.9 103.3



#33
1,2-Dichloroethane-d4
Concen: 57.337 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

Tgt Ion: 65 Resp: 149649
Ion Ratio Lower Upper
65 100
67 51.8 0.0 109.6

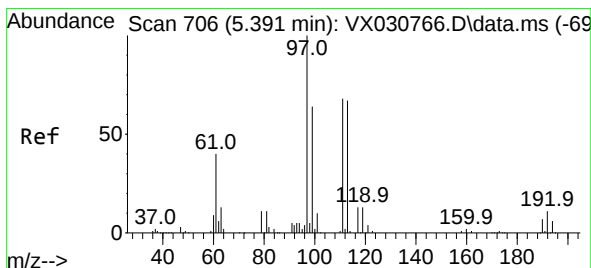
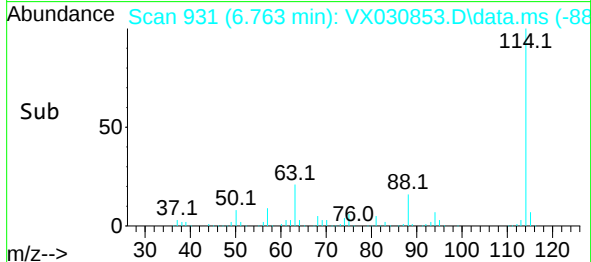
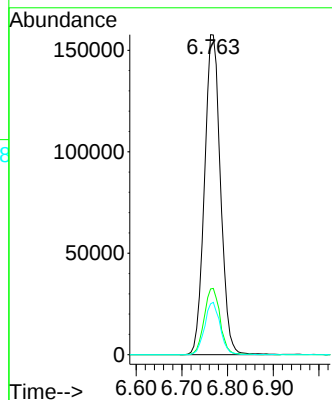
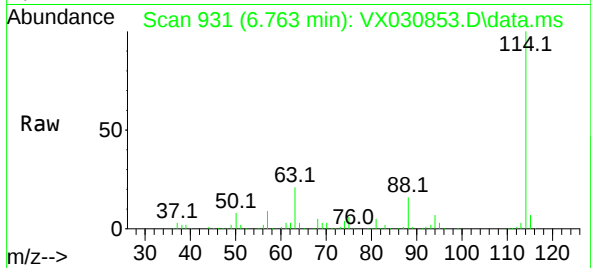




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

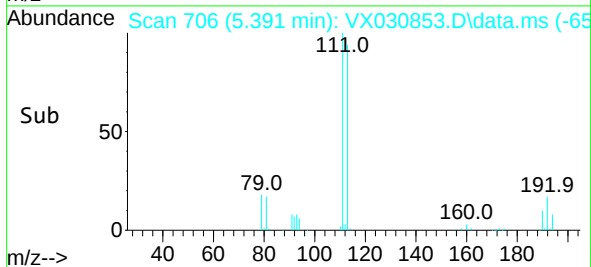
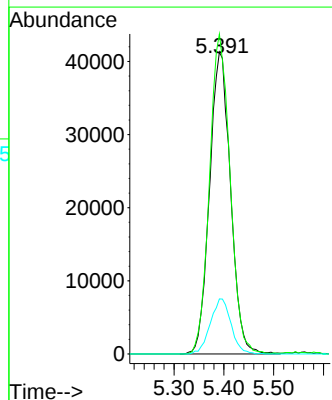
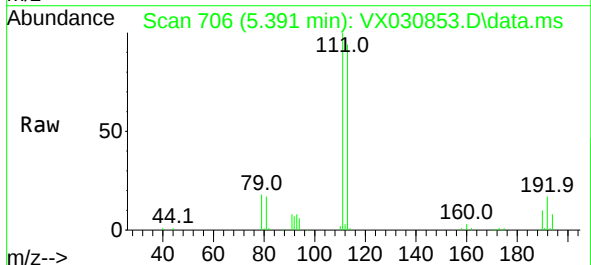
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20220818

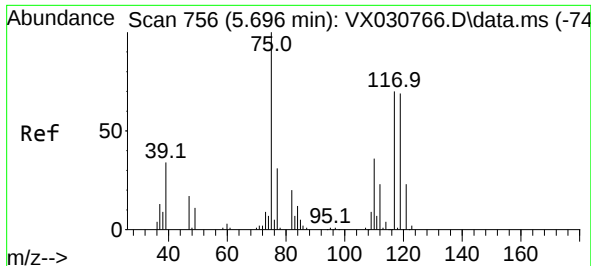
Tgt Ion:114 Resp: 382397
Ion Ratio Lower Upper
114 100
63 20.5 0.0 38.4
88 15.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 51.284 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

Tgt Ion:113 Resp: 120525
Ion Ratio Lower Upper
113 100
111 104.1 83.2 124.8
192 18.0 14.8 22.2

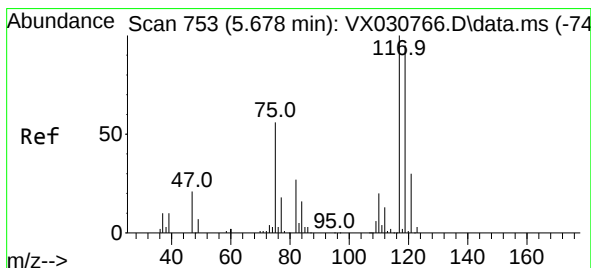
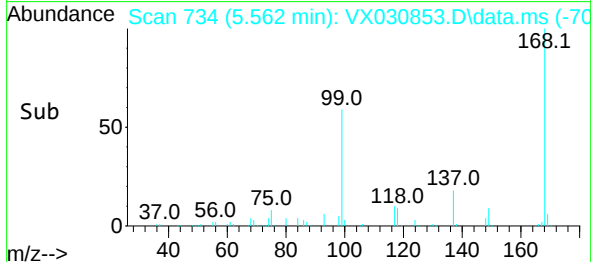
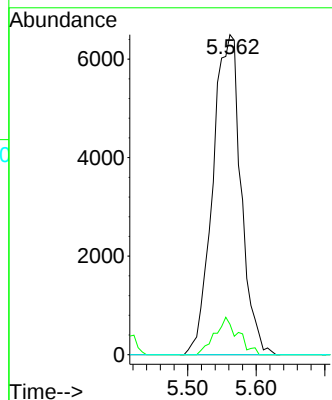
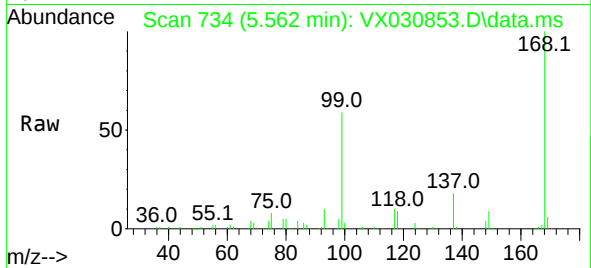




#36
1,1-Dichloropropene
Concen: 5.807 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

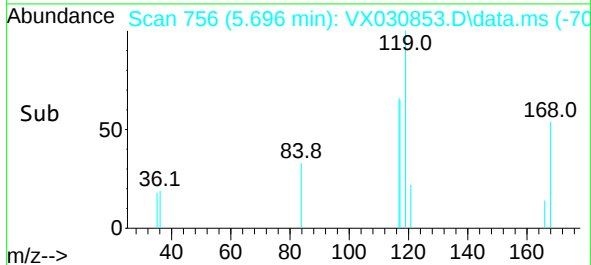
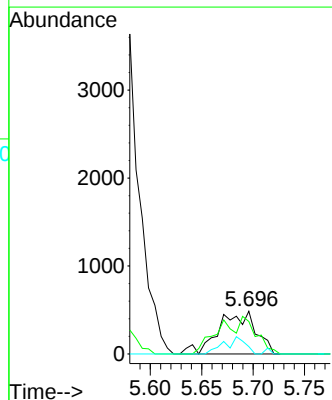
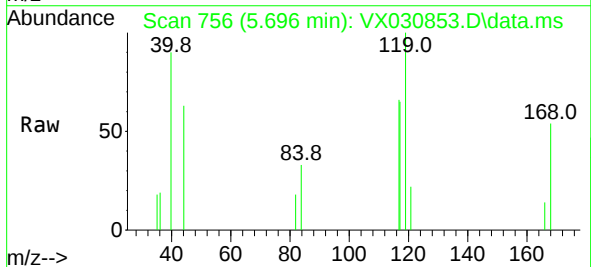
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20220818

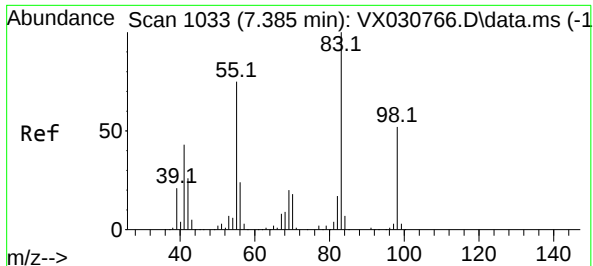
Tgt Ion: 75 Resp: 18584
Ion Ratio Lower Upper
75 100
110 9.7 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 0.362 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.018 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

Tgt Ion: 117 Resp: 1223
Ion Ratio Lower Upper
117 100
119 76.1 74.1 111.1
121 17.1 25.8 38.8#





#39

Methylcyclohexane

Concen: 1.819 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.250 min

Lab File: VX030853.D

Acq: 27 Aug 2022 07:26

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20220818

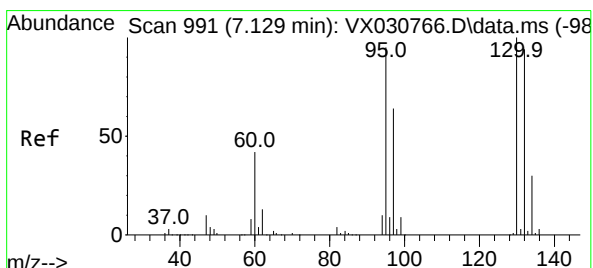
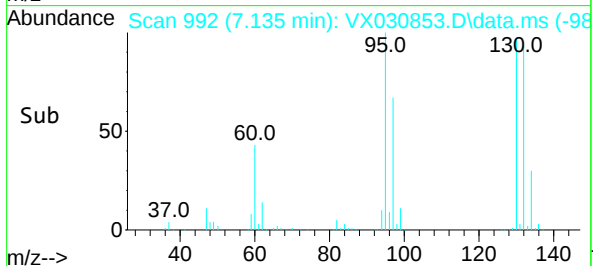
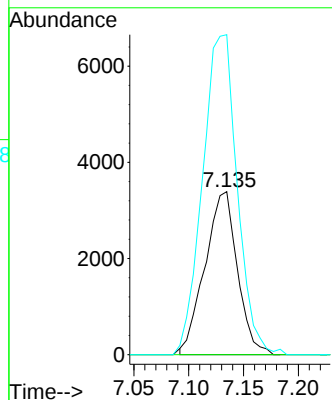
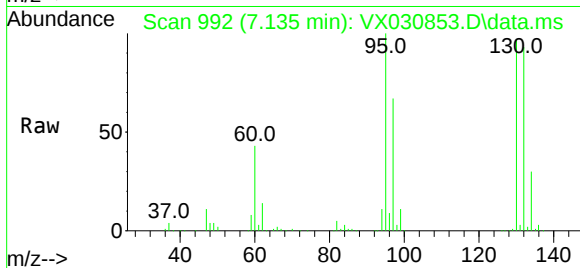
Tgt Ion: 83 Resp: 6968

Ion Ratio Lower Upper

83 100

55 0.0 57.7 86.5#

98 190.6 36.5 54.7#



#44

Trichloroethene

Concen: 202.952 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX030853.D

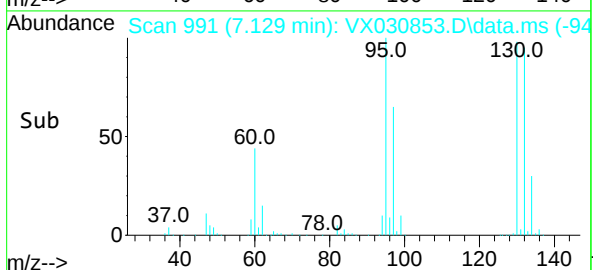
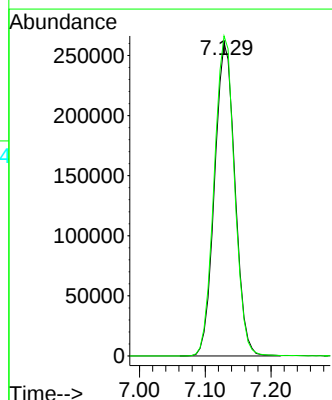
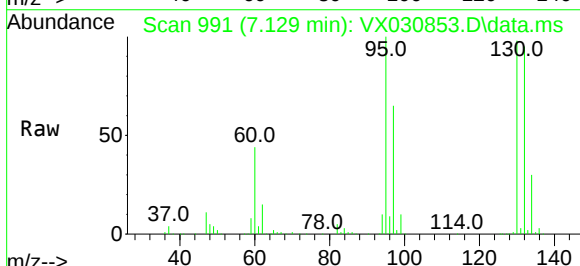
Acq: 27 Aug 2022 07:26

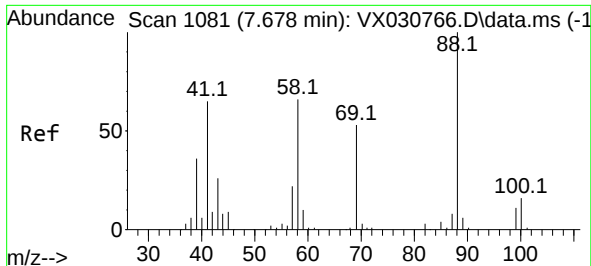
Tgt Ion:130 Resp: 561402

Ion Ratio Lower Upper

130 100

95 102.2 0.0 194.8





#49

1,4-Dioxane

Concen: 22.232 ug/l

RT: 7.695 min Scan# 1084

Delta R.T. 0.017 min

Lab File: VX030853.D

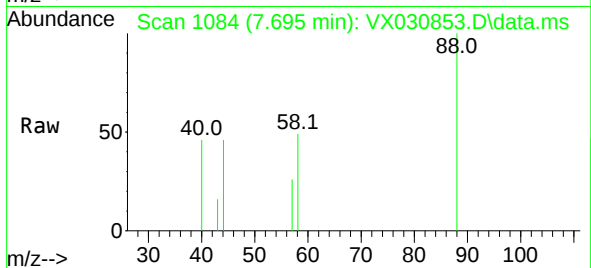
Acq: 27 Aug 2022 07:26

Instrument :

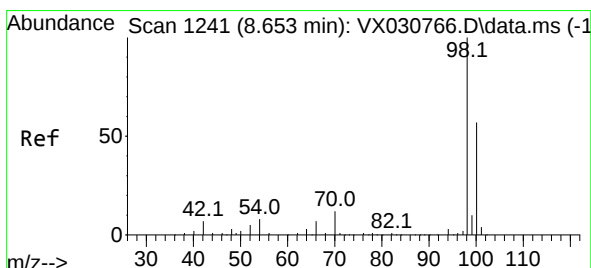
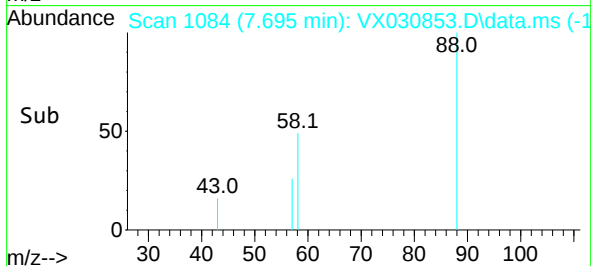
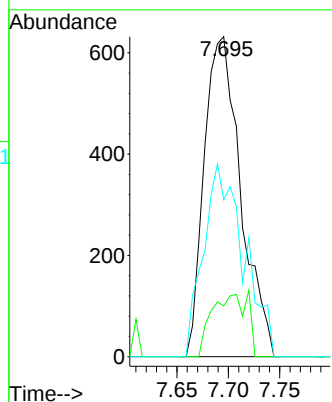
MSVOA_X

ClientSampleId :

RE132D4-20220818



Tgt Ion:	88	Resp:	1562
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.8	35.8#
58	66.3	53.8	80.6



#50

Toluene-d8

Concen: 55.813 ug/l

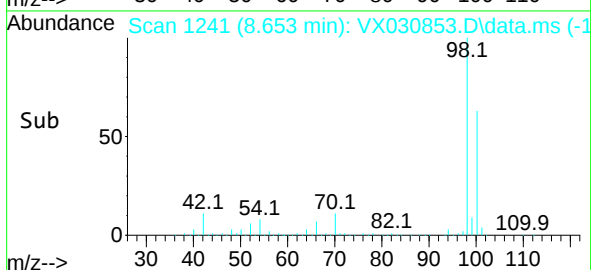
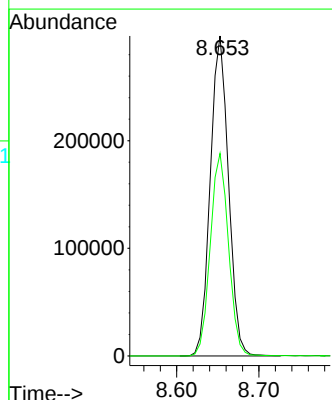
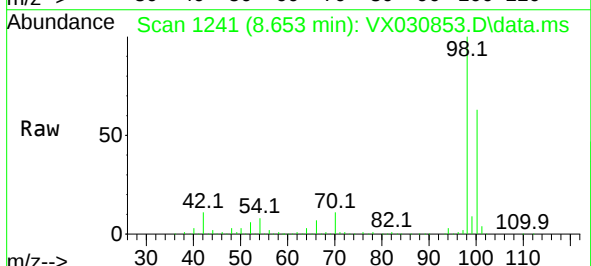
RT: 8.653 min Scan# 1241

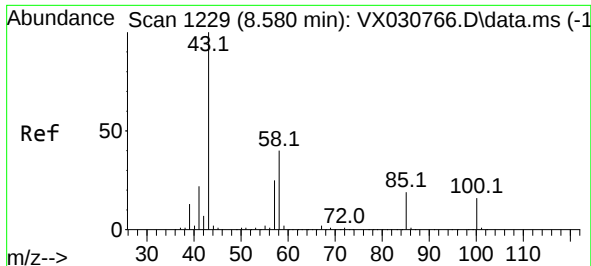
Delta R.T. -0.000 min

Lab File: VX030853.D

Acq: 27 Aug 2022 07:26

Tgt Ion:	98	Resp:	457083
Ion	Ratio	Lower	Upper
98	100		
100	63.4	52.3	78.5

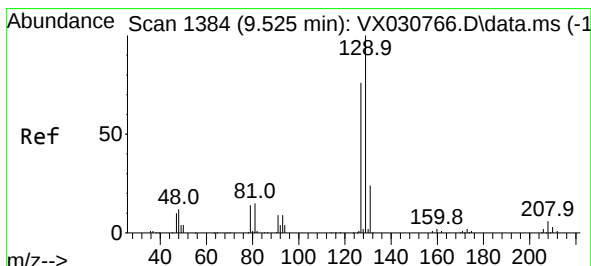
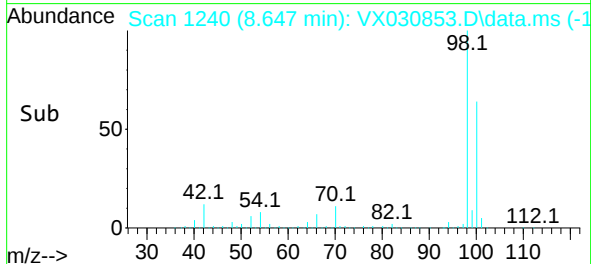
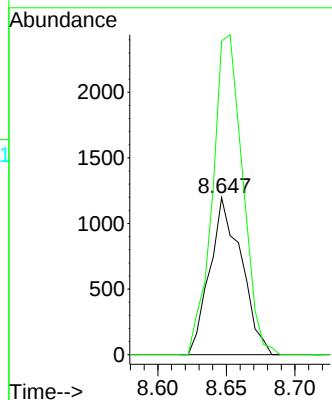
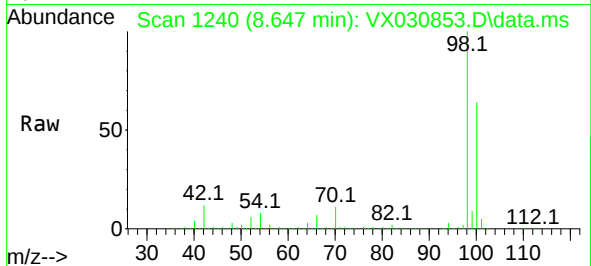




#51
4-Methyl-2-Pentanone
Concen: 0.499 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

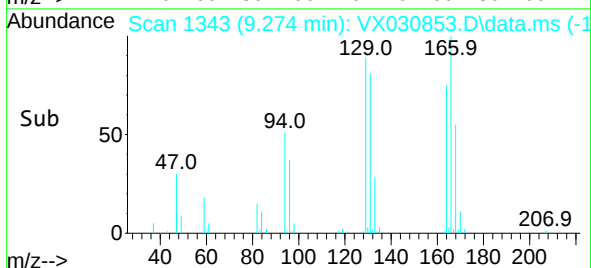
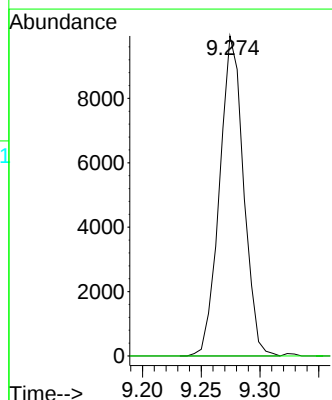
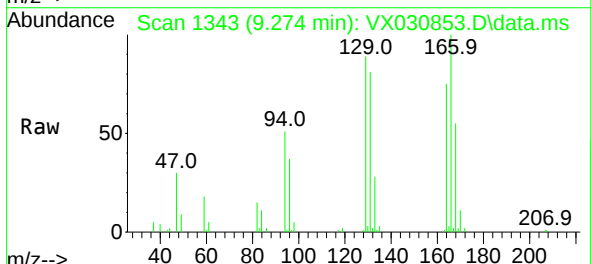
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20220818

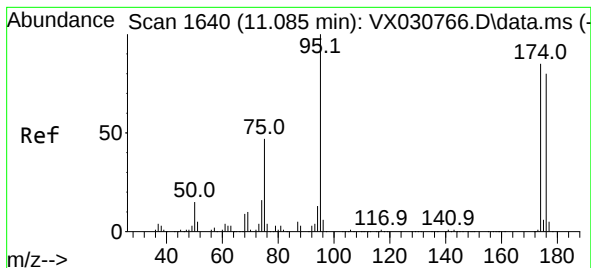
Tgt Ion: 43 Resp: 1921
Ion Ratio Lower Upper
43 100
58 194.1 31.4 47.2#



#60
Dibromochloromethane
Concen: 5.105 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.251 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

Tgt Ion: 129 Resp: 14139
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

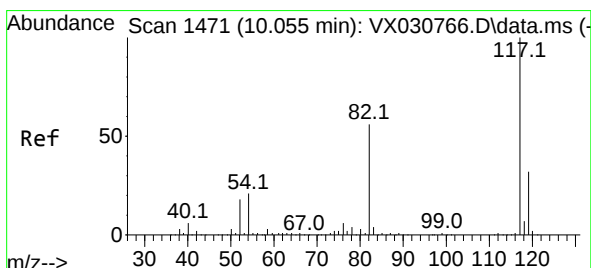
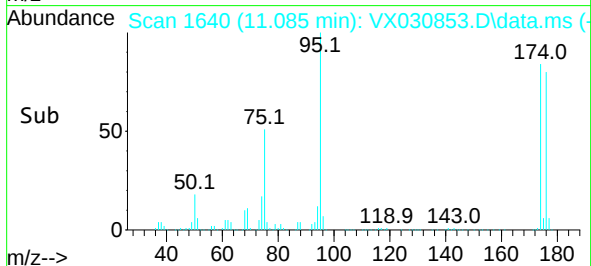
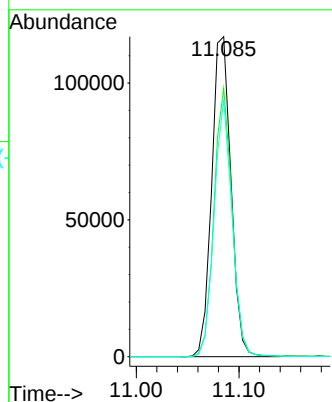
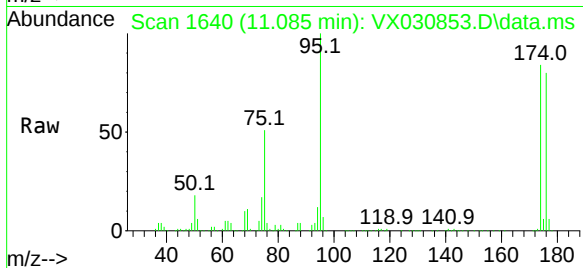




#62
4-Bromofluorobenzene
Concen: 49.894 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

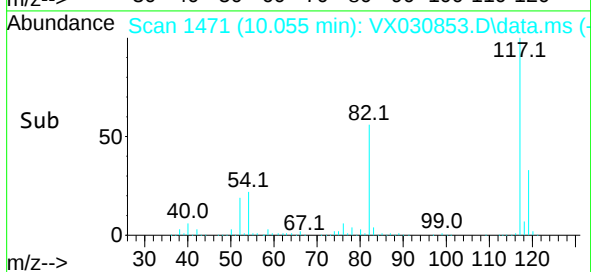
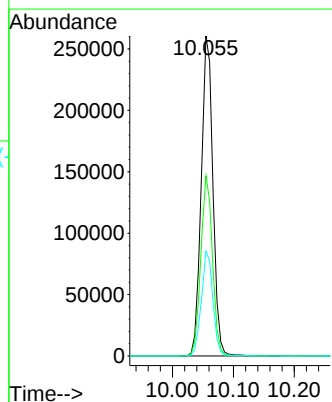
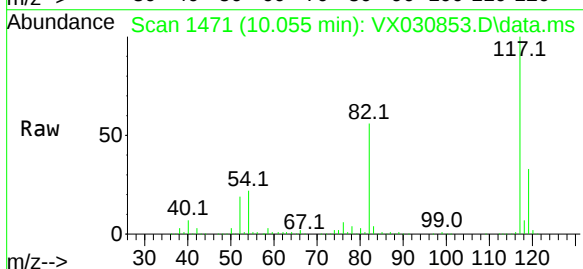
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20220818

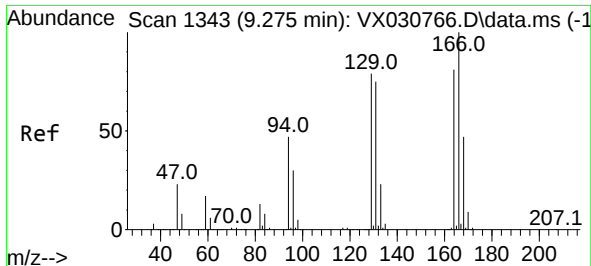
Tgt Ion: 95 Resp: 152123
Ion Ratio Lower Upper
95 100
174 78.8 0.0 149.0
176 74.9 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

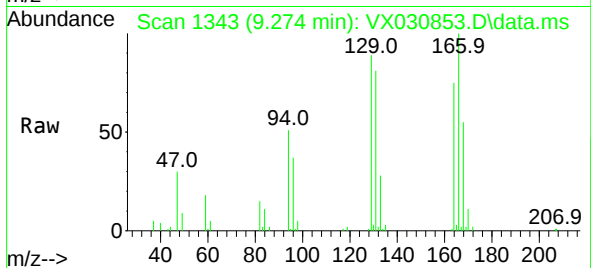
Tgt Ion: 117 Resp: 347682
Ion Ratio Lower Upper
117 100
82 56.3 42.7 64.1
119 32.7 25.4 38.2



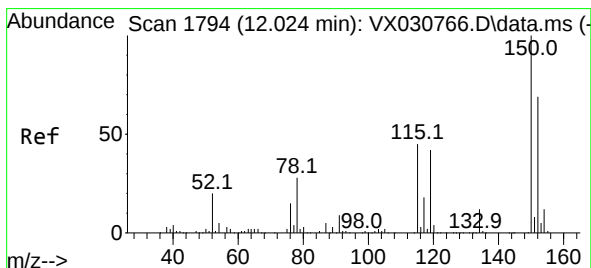
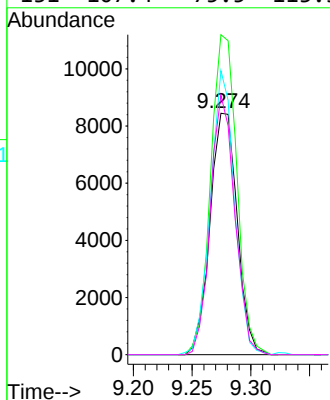
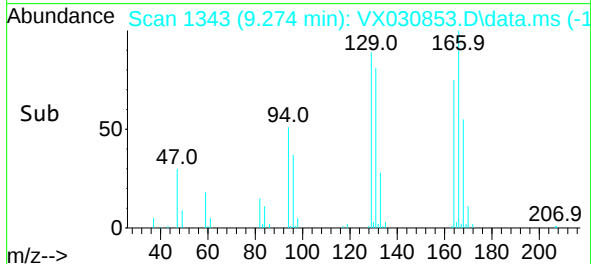


#64
Tetrachloroethene
Concen: 4.955 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

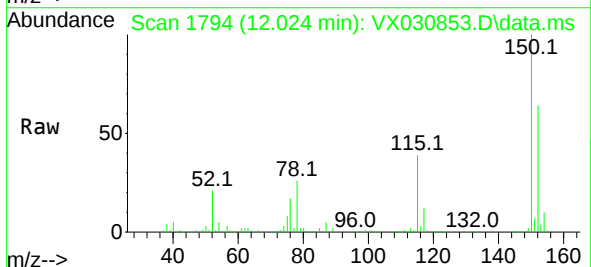
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20220818



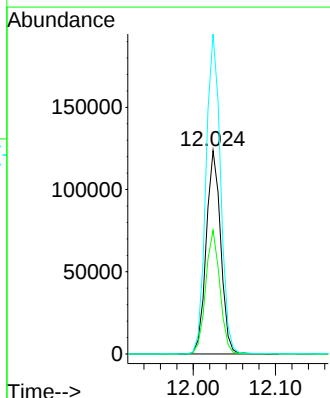
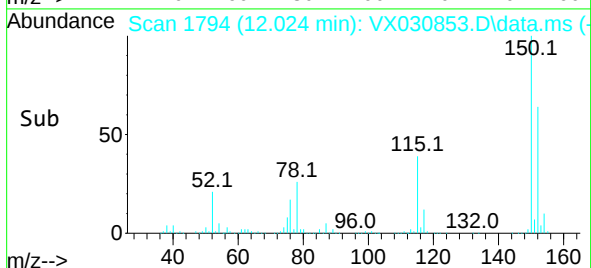
Tgt Ion:164	Resp:	13571
Ion	Ratio	Lower Upper
164	100	
166	132.5	98.2 147.4
129	117.6	80.8 121.2
131	107.4	75.5 113.3

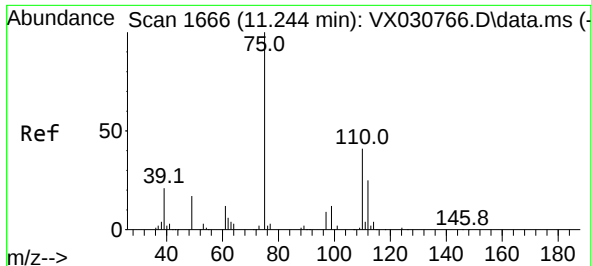


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26



Tgt Ion:152	Resp:	151087
Ion	Ratio	Lower Upper
152	100	
115	59.5	40.5 121.5
150	158.6	0.0 347.0

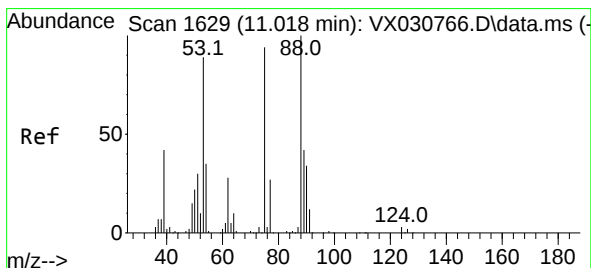
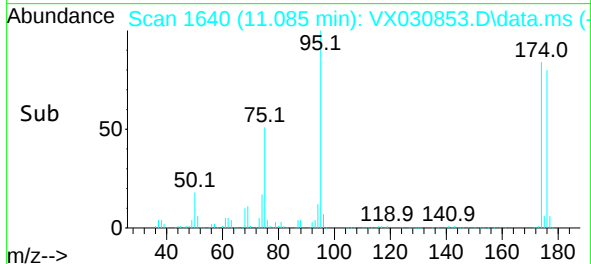
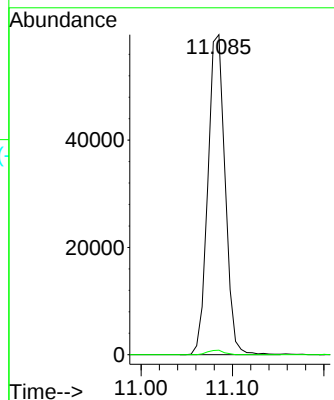
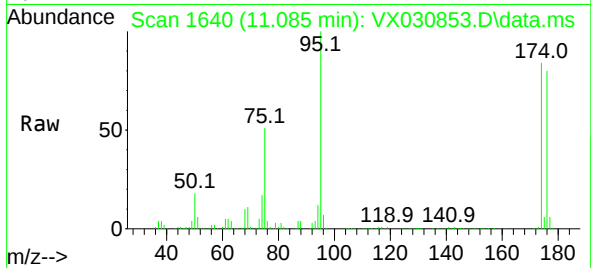




#76
1,2,3-Trichloropropane
Concen: 23.507 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20220818

Tgt Ion: 75 Resp: 77810
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.843 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX030853.D
Acq: 27 Aug 2022 07:26

Tgt Ion: 75 Resp: 77810
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

