

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082322\
 Data File : VX030742.D
 Acq On : 23 Aug 2022 19:13
 Operator : JC/MD
 Sample : N4245-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20220817

Quant Time: Sep 06 02:57:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 24 16:33:27 2022
 Response via : Initial Calibration

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

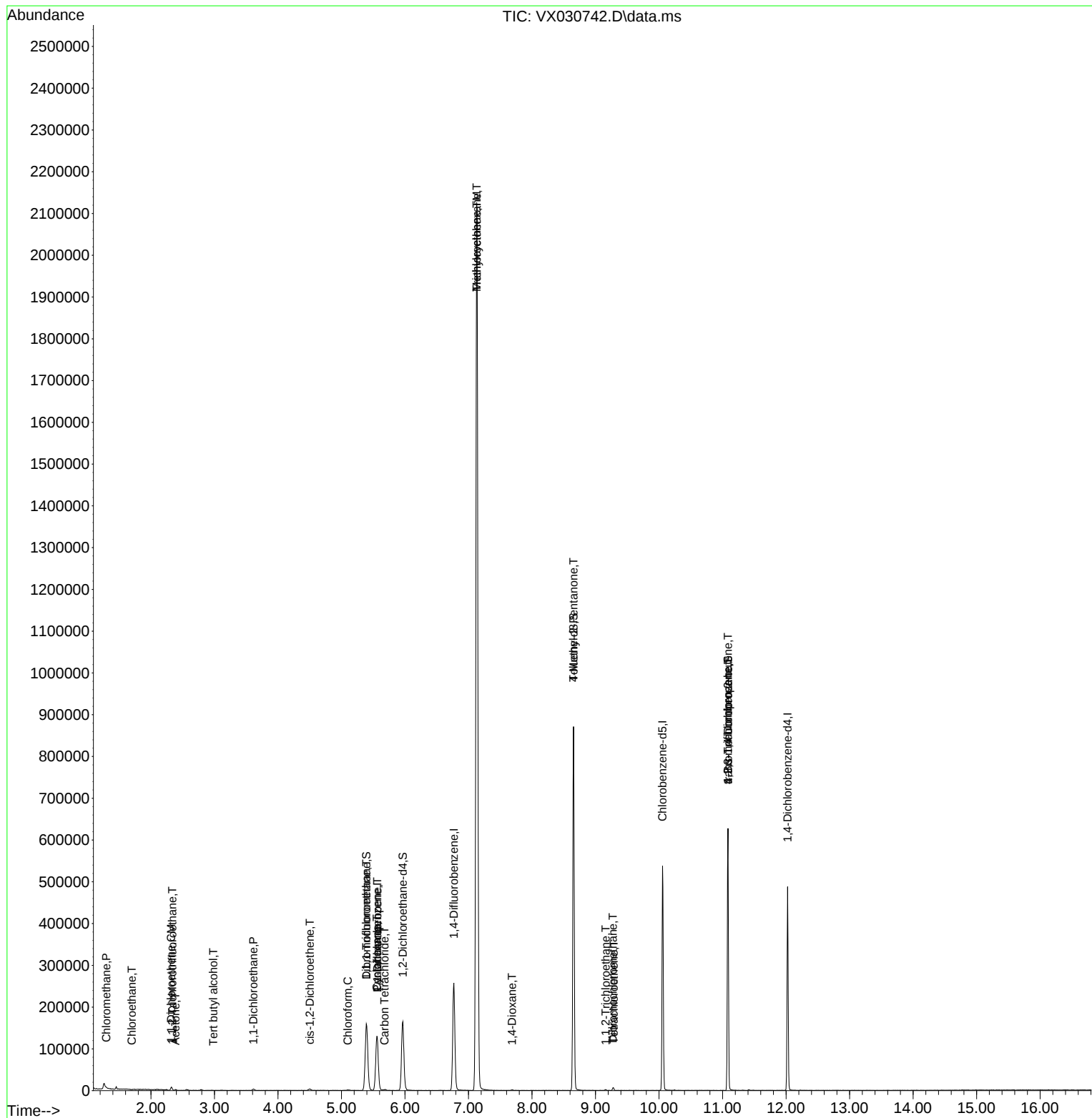
Internal Standards						
1) Pentafluorobenzene	5.562	168	123411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	275304	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	250513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	153751	61.984	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 123.960%	
35) Dibromofluoromethane	5.391	113	144712	54.987	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.980%	
50) Toluene-d8	8.653	98	517758	50.801	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.600%	
62) 4-Bromofluorobenzene	11.085	95	175011	46.269	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.540%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	747	0.373	ug/l #	52
5) Bromomethane	1.611	94	249	Below Cal	#	75
6) Chloroethane	1.697	64	269	0.232	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	1028	0.521	ug/l	93
11) Tert butyl alcohol	2.983	59	137	0.226	ug/l #	74
12) 1,1-Dichloroethene	2.318	96	2214	1.148	ug/l #	79
16) Acetone	2.385	43	1521	1.198	ug/l	90
20) Methylene Chloride	2.788	84	825	Below Cal	#	82
24) 1,1-Dichloroethane	3.611	63	3972	0.993	ug/l #	89
27) cis-1,2-Dichloroethene	4.501	96	2353	0.940	ug/l	88
30) Chloroform	5.098	83	1083	0.273	ug/l #	68
31) Cyclohexane	5.556	56	2567	0.713	ug/l #	1
32) 1,1,1-Trichloroethane	5.391	97	1086	0.337	ug/l #	44
36) 1,1-Dichloropropene	5.562	75	9912	2.617	ug/l #	48
38) Carbon Tetrachloride	5.678	117	1715	0.485	ug/l #	75
39) Methylcyclohexane	7.128	83	9820	2.009	ug/l #	1
44) Trichloroethene	7.128	130	842755	258.826	ug/l	96
49) 1,4-Dioxane	7.683	88	492	5.504	ug/l #	30
51) 4-Methyl-2-Pentanone	8.653	43	2019	0.378	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	712	0.230	ug/l #	83
60) Dibromochloromethane	9.274	129	1309	0.457	ug/l #	11
64) Tetrachloroethene	9.287	164	1351	0.501	ug/l #	67
67) Ethyl Benzene	10.195	91	64	Below Cal	#	43
76) 1,2,3-Trichloropropane	11.085	75	80656	31.099	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	80656	93.296	ug/l #	13

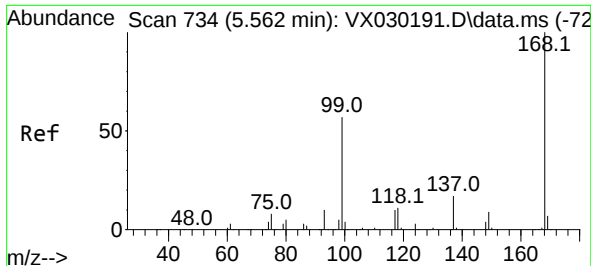
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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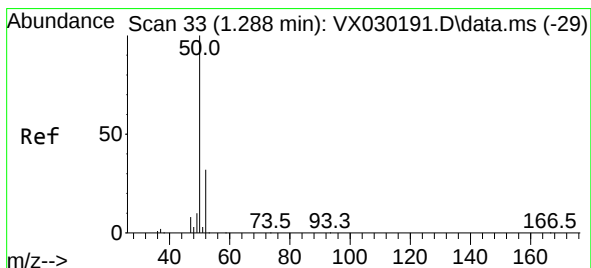
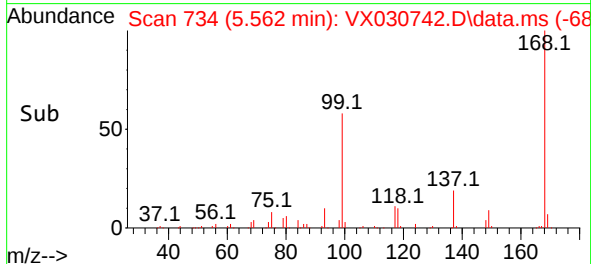
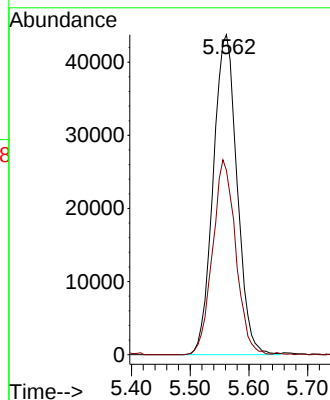
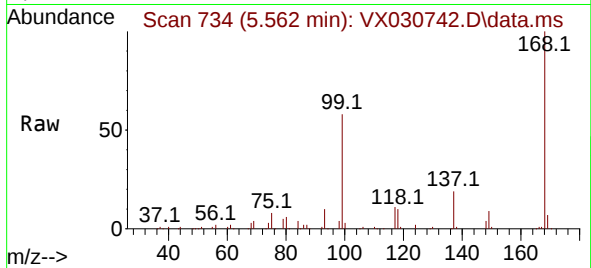




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

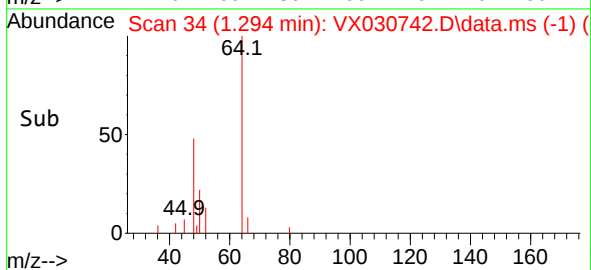
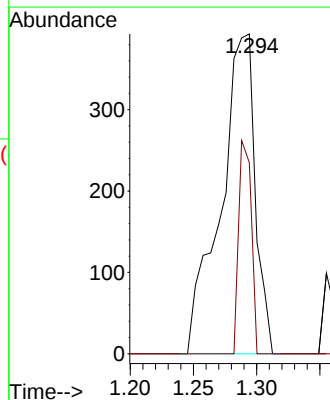
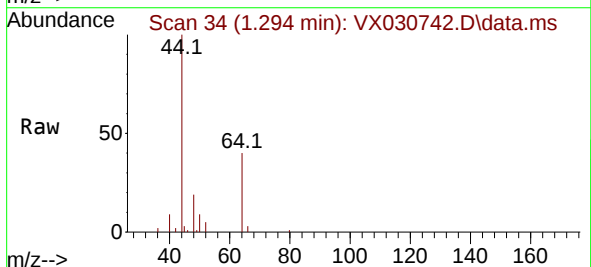
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20220817

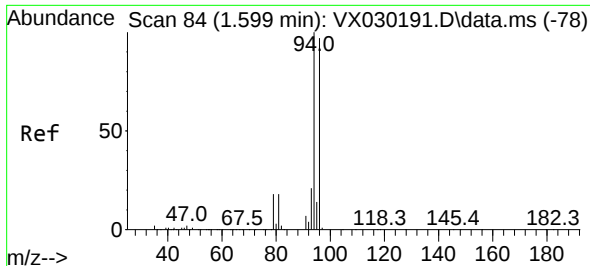
Tgt Ion:168 Resp: 123411
Ion Ratio Lower Upper
168 100
99 57.6 44.0 66.0



#3
Chloromethane
Concen: 0.373 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

Tgt Ion: 50 Resp: 747
Ion Ratio Lower Upper
50 100
52 59.8 26.3 39.5#

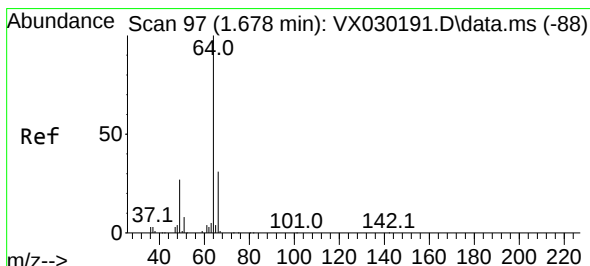
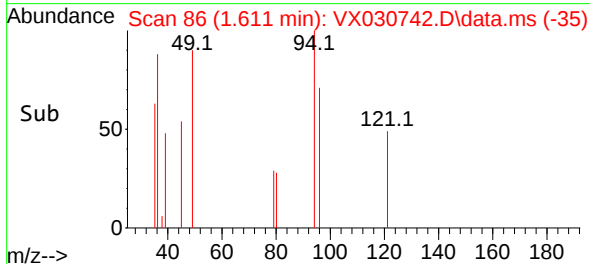
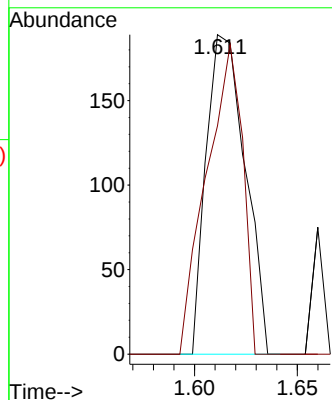
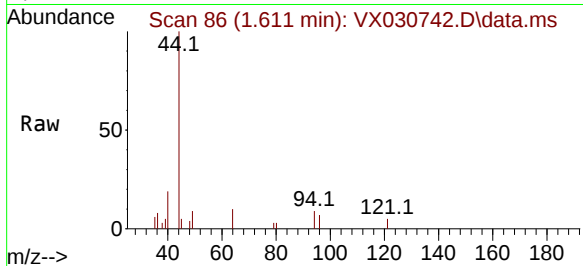




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

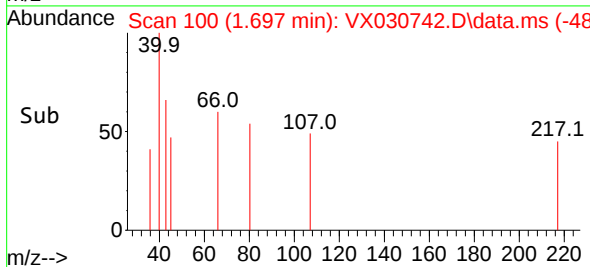
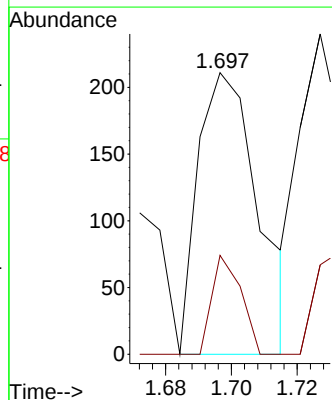
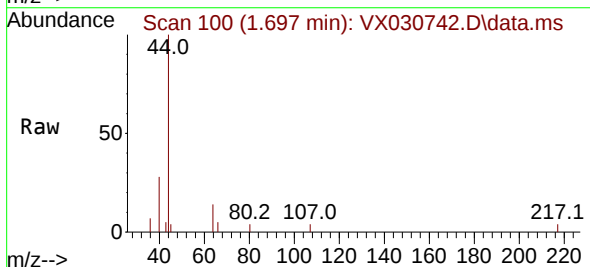
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20220817

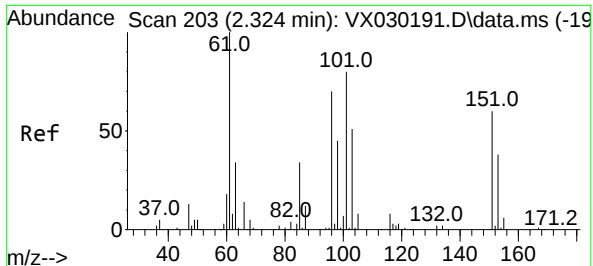
Tgt Ion: 94 Resp: 249
Ion Ratio Lower Upper
94 100
96 71.4 76.9 115.3#



#6
Chloroethane
Concen: 0.232 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.019 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

Tgt Ion: 64 Resp: 269
Ion Ratio Lower Upper
64 100
66 35.1 27.2 40.8

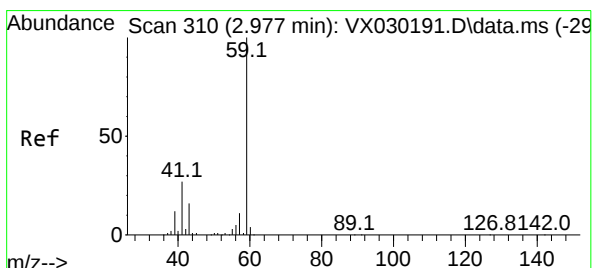
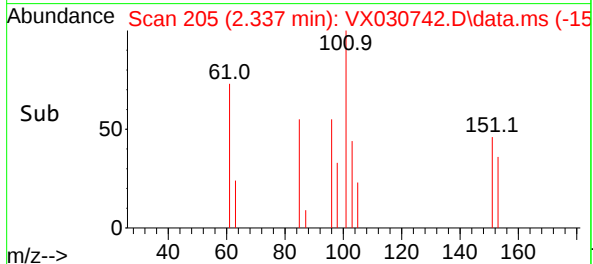
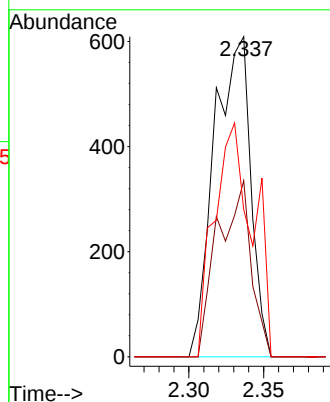
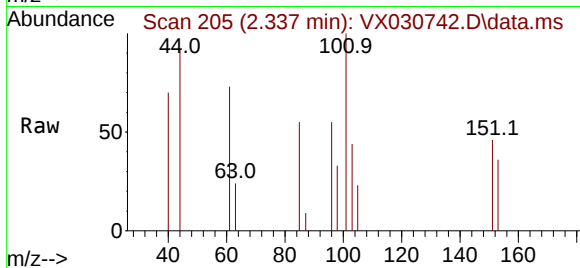




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.521 ug/l
RT: 2.337 min Scan# 203
Delta R.T. 0.013 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

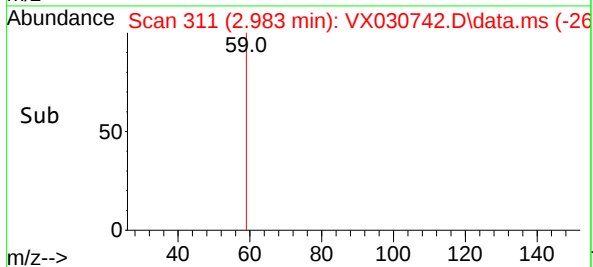
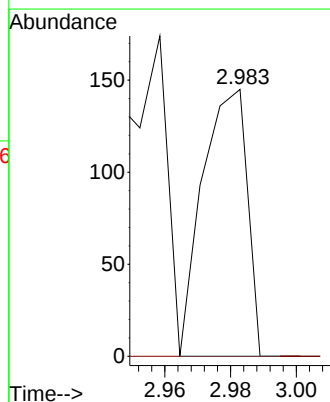
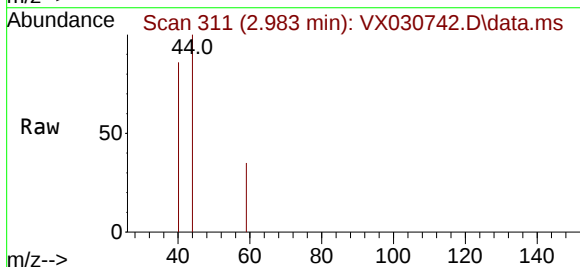
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20220817

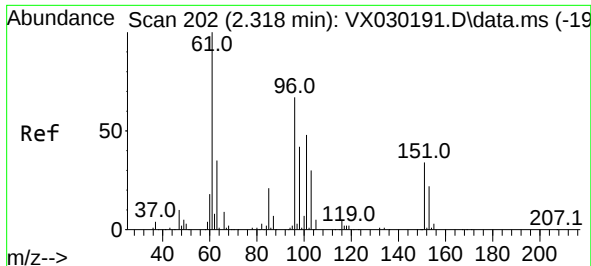
Tgt Ion:101 Resp: 1028
Ion Ratio Lower Upper
101 100
85 50.4 34.0 51.0
151 77.5 59.4 89.0



#11
Tert butyl alcohol
Concen: 0.226 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

Tgt Ion: 59 Resp: 137
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#12

1,1-Dichloroethene

Concen: 1.148 ug/l

RT: 2.318 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX030742.D

Acq: 23 Aug 2022 19:13

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20220817

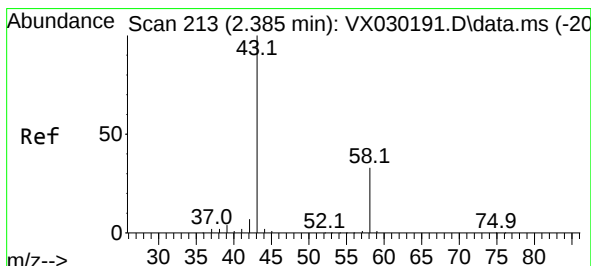
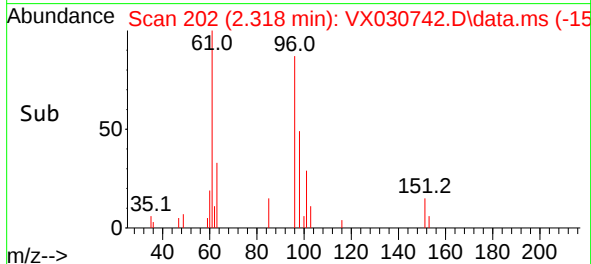
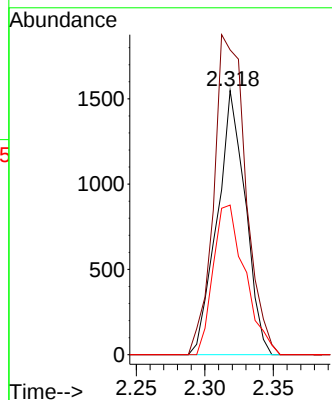
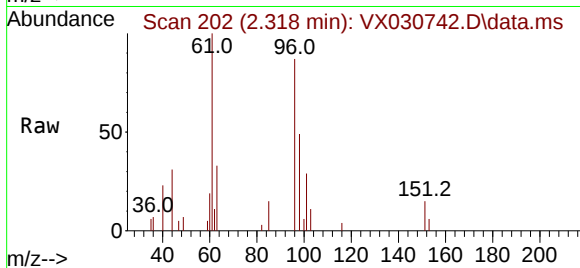
Tgt Ion: 96 Resp: 2214

Ion Ratio Lower Upper

96 100

61 115.4 117.4 176.0#

98 56.6 52.2 78.4



#16

Acetone

Concen: 1.198 ug/l

RT: 2.385 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX030742.D

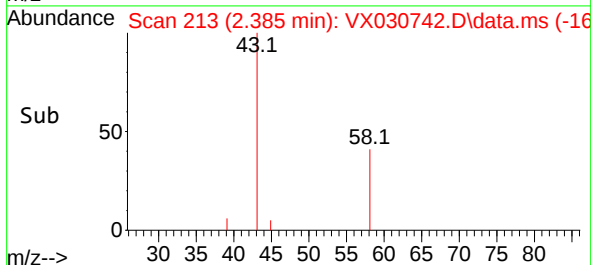
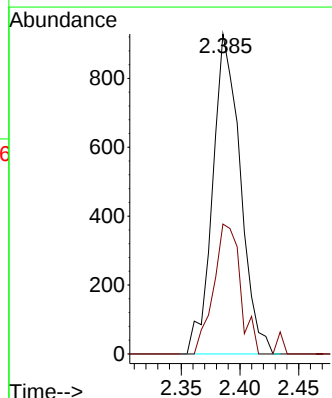
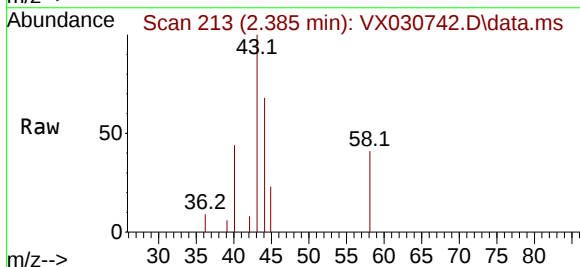
Acq: 23 Aug 2022 19:13

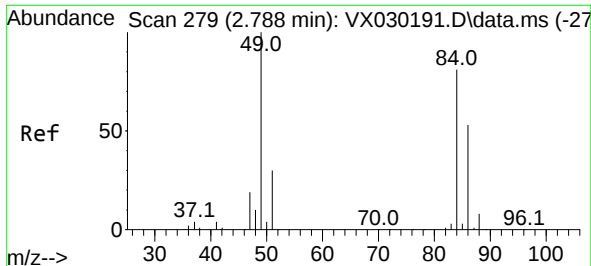
Tgt Ion: 43 Resp: 1521

Ion Ratio Lower Upper

43 100

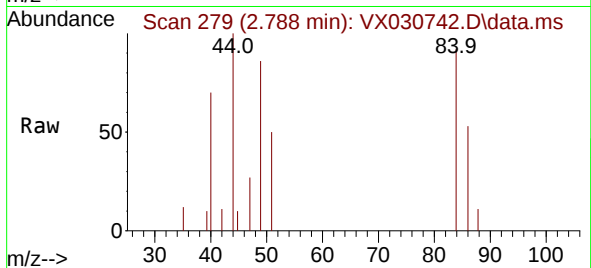
58 40.6 27.7 41.5



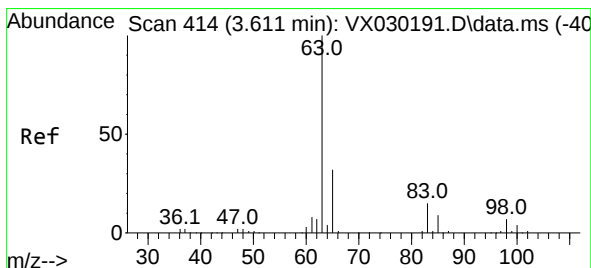
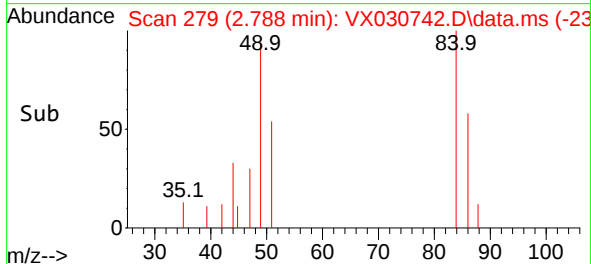
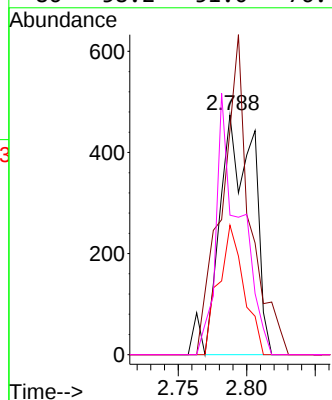


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20220817

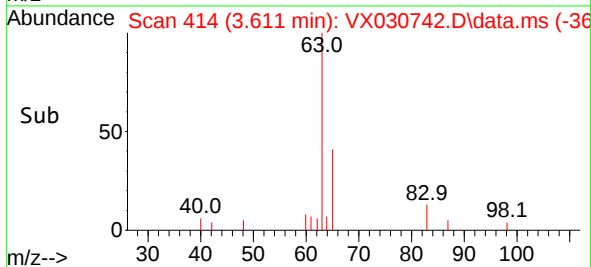
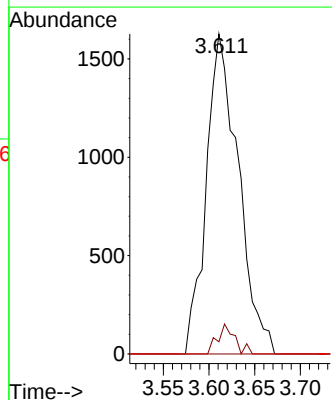
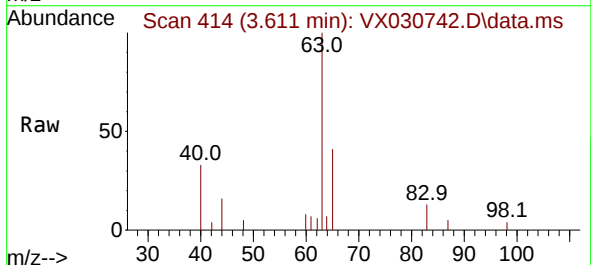


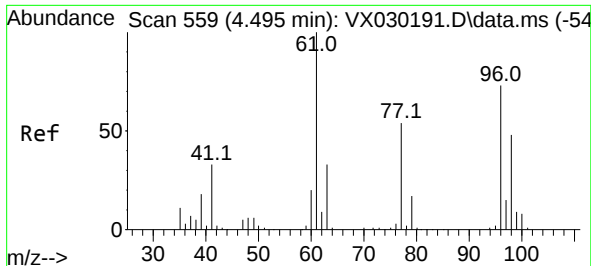
Tgt Ion: 84	Resp: 825
Ion Ratio	Lower Upper
84 100	
49 93.9	93.8 140.6
51 54.0	29.4 44.0#
86 58.2	51.0 76.4



#24
1,1-Dichloroethane
Concen: 0.993 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

Tgt Ion: 63	Resp: 3972		
Ion Ratio	Lower	Upper	
63 100			
98 3.8	3.5	10.5	
100 0.0	2.3	6.9#	





#27

cis-1,2-Dichloroethene

Concen: 0.940 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX030742.D

Acq: 23 Aug 2022 19:13

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20220817

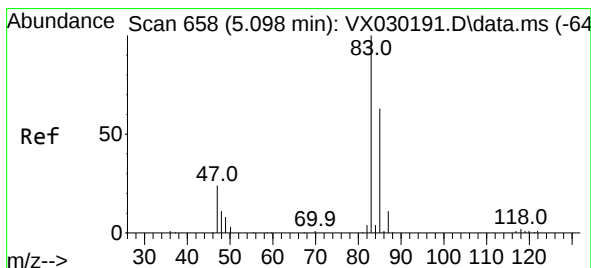
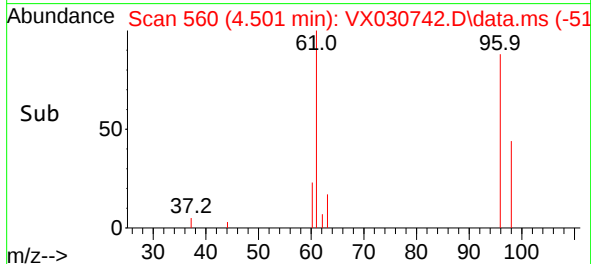
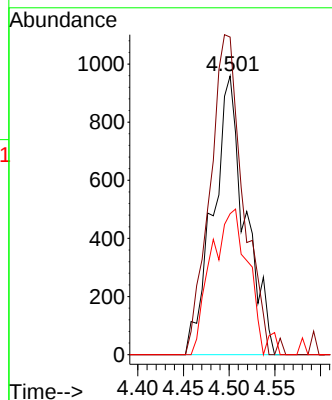
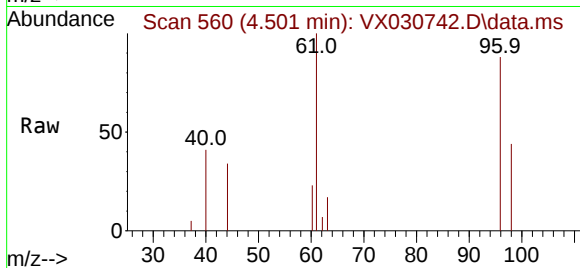
Tgt Ion: 96 Resp: 2353

Ion Ratio Lower Upper

96 100

61 117.9 0.0 270.0

98 59.1 0.0 127.8



#30

Chloroform

Concen: 0.273 ug/l

RT: 5.098 min Scan# 658

Delta R.T. 0.000 min

Lab File: VX030742.D

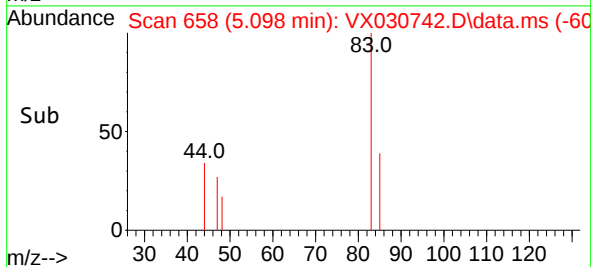
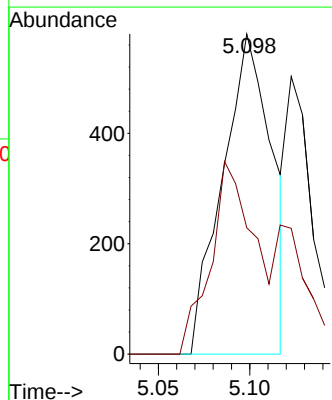
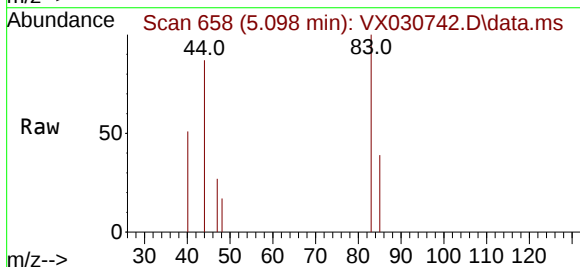
Acq: 23 Aug 2022 19:13

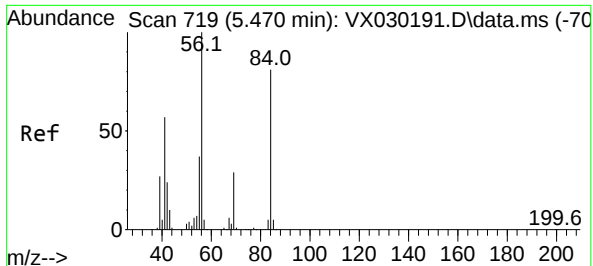
Tgt Ion: 83 Resp: 1083

Ion Ratio Lower Upper

83 100

85 39.5 51.5 77.3#

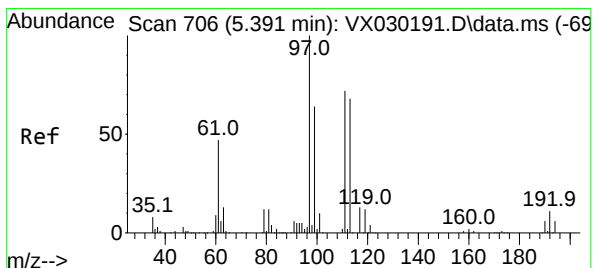
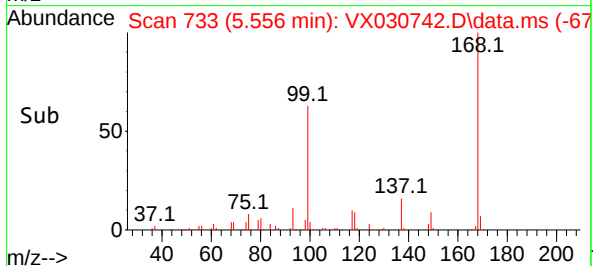
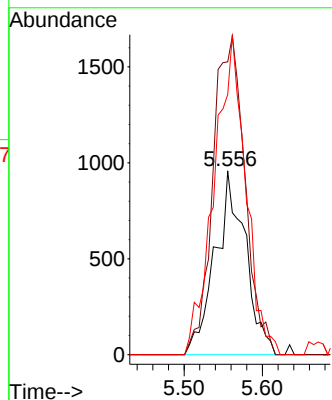
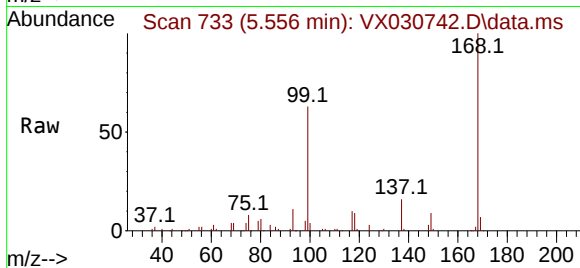




#31
Cyclohexane
Concen: 0.713 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

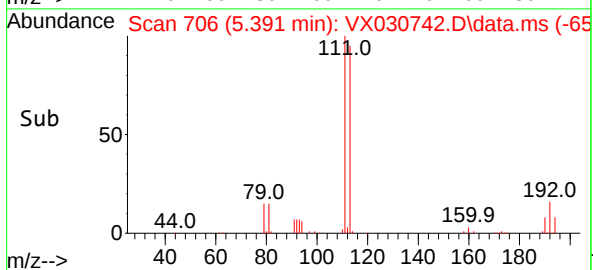
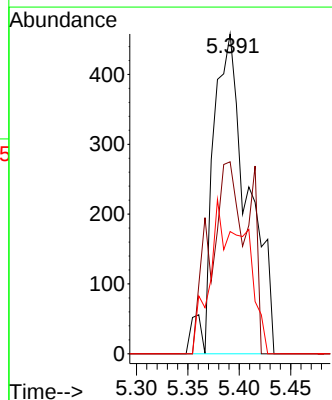
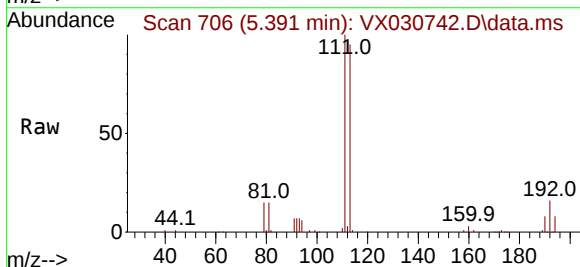
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20220817

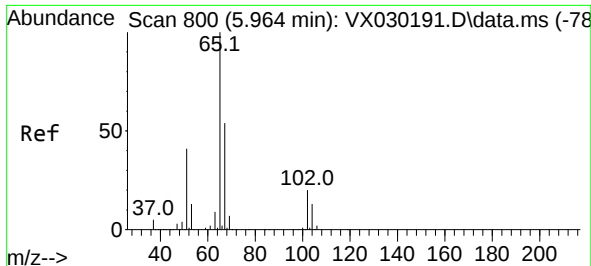
Tgt Ion: 56 Resp: 2567
Ion Ratio Lower Upper
56 100
69 159.3 25.4 38.0#
84 141.5 68.9 103.3#



#32
1,1,1-Trichloroethane
Concen: 0.337 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

Tgt Ion: 97 Resp: 1086
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 32.8 35.8 53.8#





#33

1,2-Dichloroethane-d4

Concen: 61.984 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX030742.D

Acq: 23 Aug 2022 19:13

Instrument :

MSVOA_X

ClientSampleId :

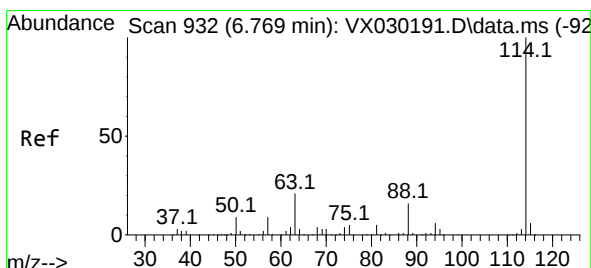
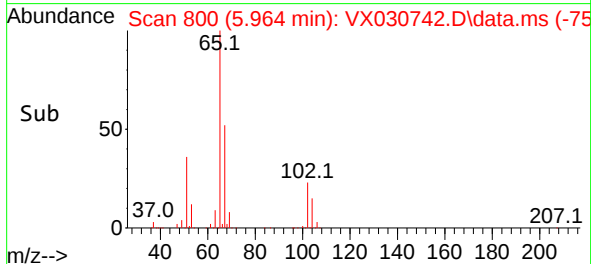
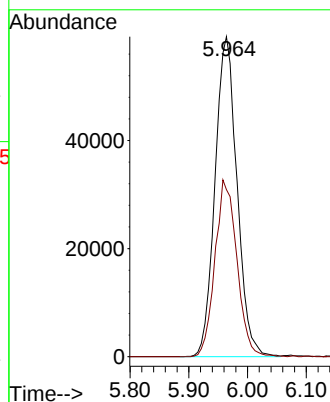
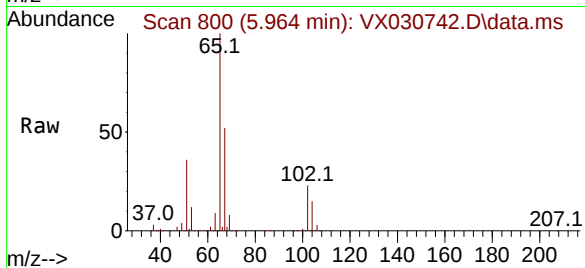
RE126D2-20220817

Tgt Ion: 65 Resp: 153751

Ion Ratio Lower Upper

65 100

67 55.1 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: VX030742.D

Acq: 23 Aug 2022 19:13

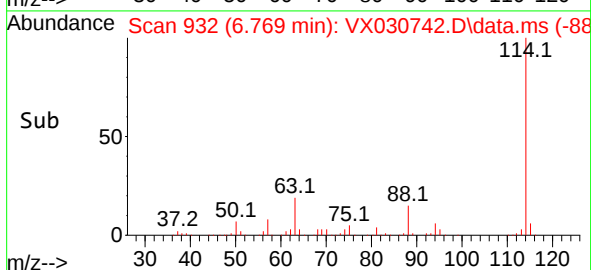
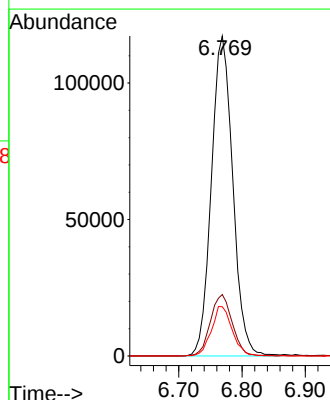
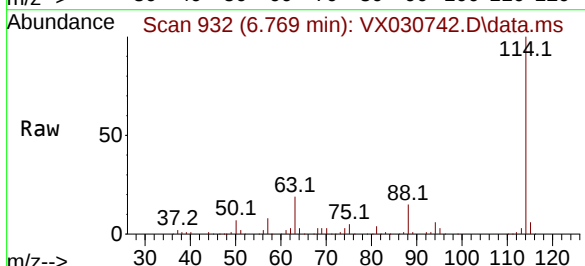
Tgt Ion: 114 Resp: 275304

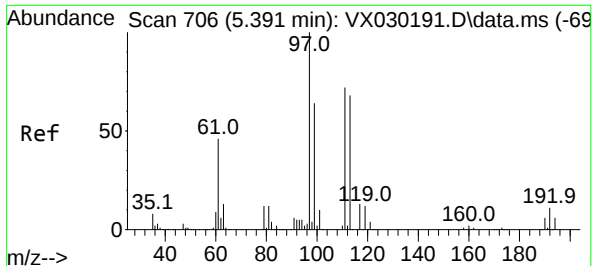
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

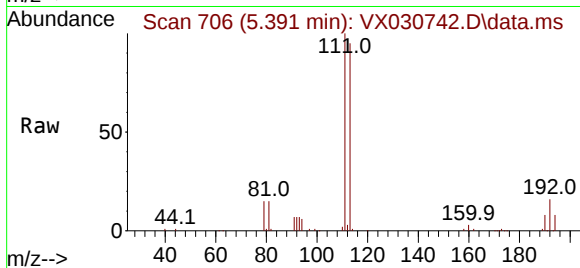
88 15.4 0.0 31.8



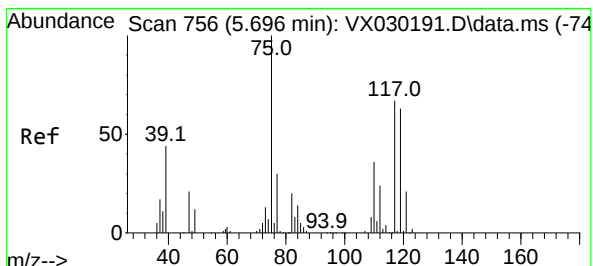
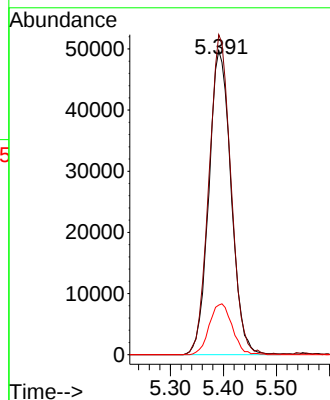
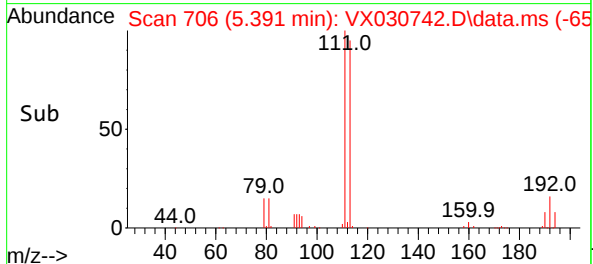


#35
Dibromofluoromethane
Concen: 54.987 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20220817

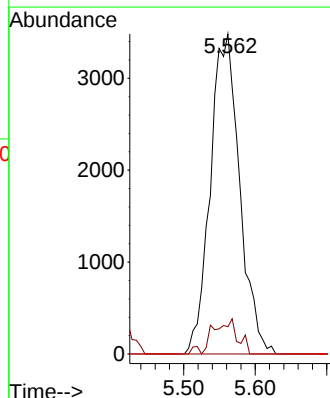
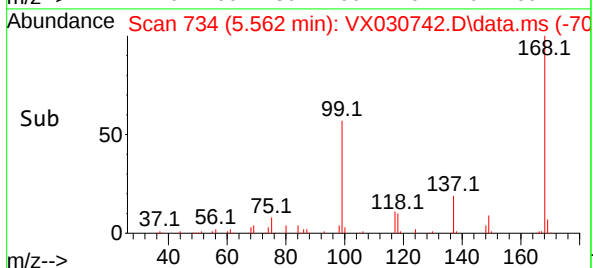
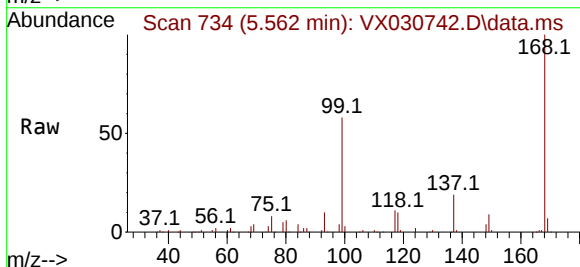


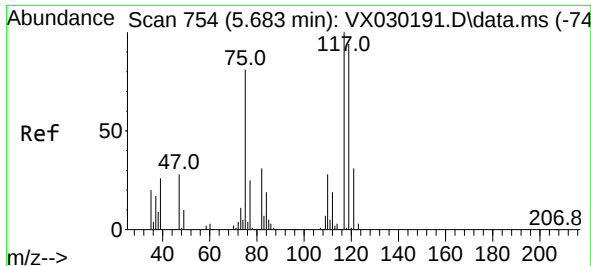
Tgt Ion:113 Resp: 144712
Ion Ratio Lower Upper
113 100
111 103.8 83.2 124.8
192 17.2 14.8 22.2



#36
1,1-Dichloropropene
Concen: 2.617 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

Tgt Ion: 75 Resp: 9912
Ion Ratio Lower Upper
75 100
110 9.3 19.3 57.9#
77 0.0 24.4 36.6#

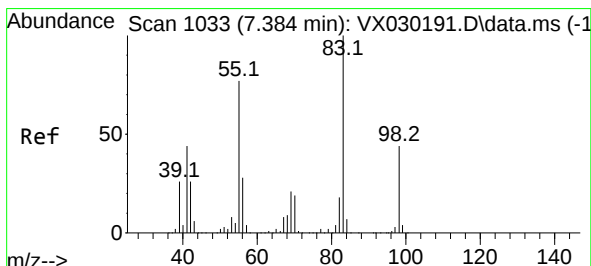
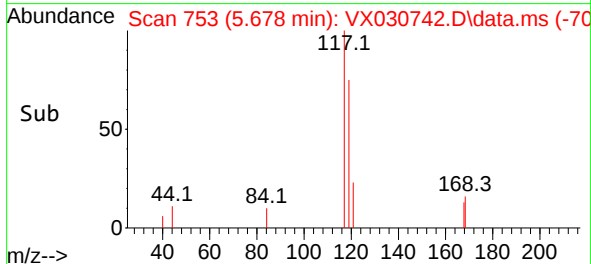
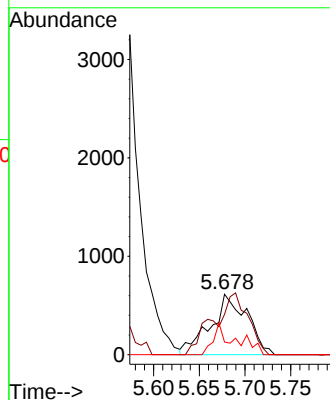
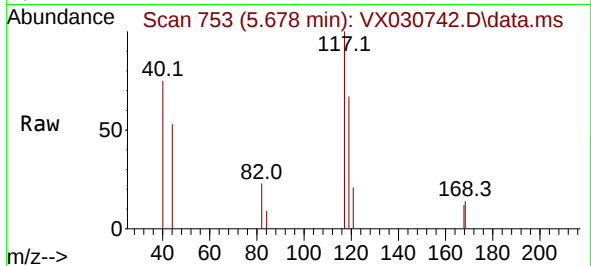




#38
Carbon Tetrachloride
Concen: 0.485 ug/l
RT: 5.678 min Scan# 715
Delta R.T. -0.005 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

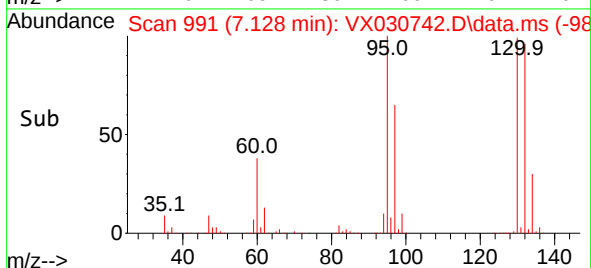
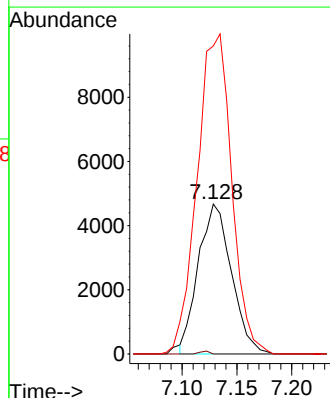
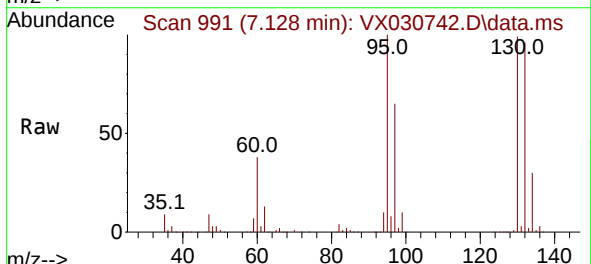
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20220817

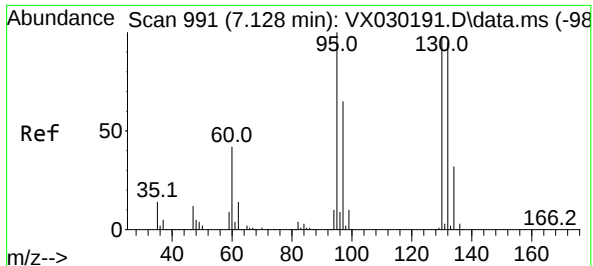
Tgt Ion:117 Resp: 1715
Ion Ratio Lower Upper
117 100
119 66.6 74.1 111.1#
121 20.8 25.8 38.8#



#39
Methylcyclohexane
Concen: 2.009 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

Tgt Ion: 83 Resp: 9820
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 205.4 36.5 54.7#

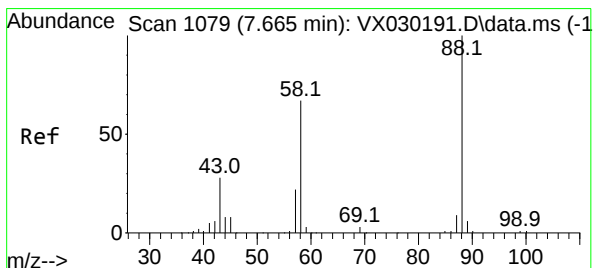
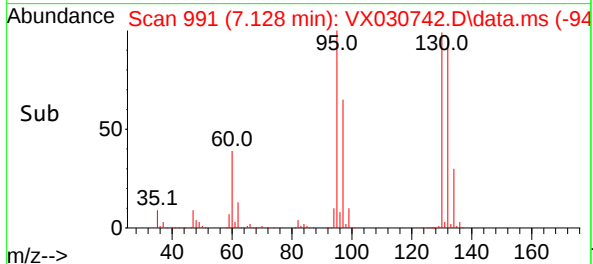
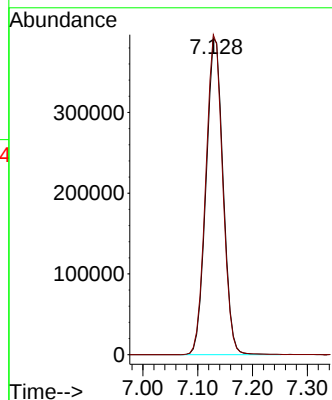
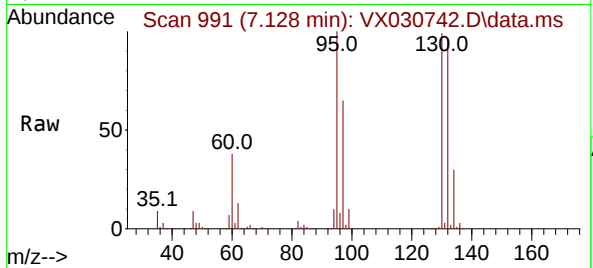




#44
Trichloroethene
Concen: 258.826 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

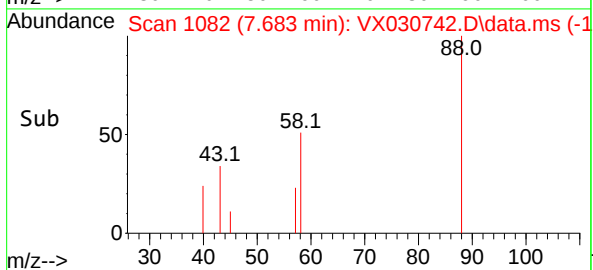
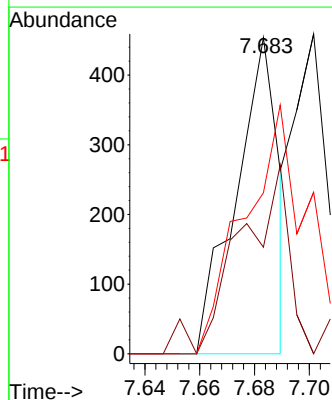
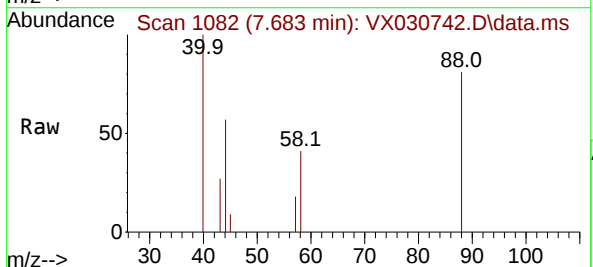
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20220817

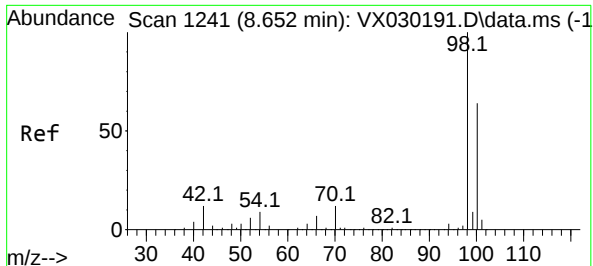
Tgt Ion:130 Resp: 842755
Ion Ratio Lower Upper
130 100
95 101.1 0.0 194.8



#49
1,4-Dioxane
Concen: 5.504 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.018 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

Tgt Ion: 88 Resp: 492
Ion Ratio Lower Upper
88 100
43 69.3 23.8 35.8#
58 122.6 53.8 80.6#





#50

Toluene-d8

Concen: 50.801 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.001 min

Lab File: VX030742.D

Acq: 23 Aug 2022 19:13

Instrument :

MSVOA_X

ClientSampleId :

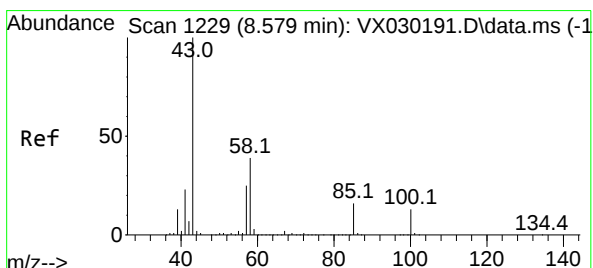
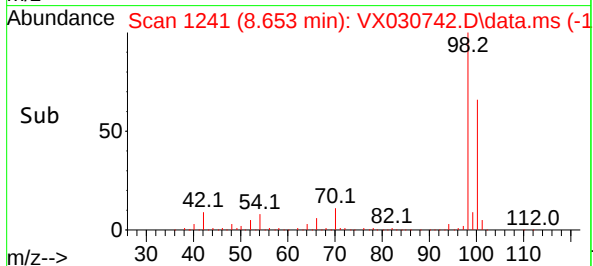
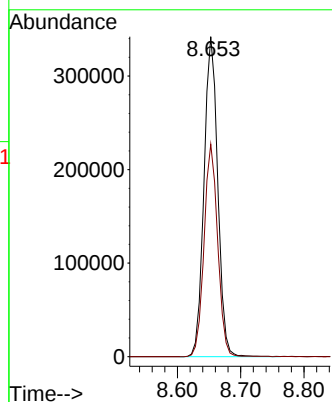
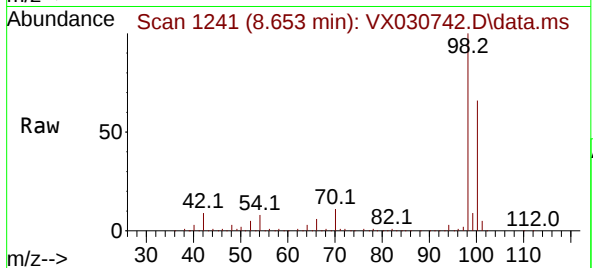
RE126D2-20220817

Tgt Ion: 98 Resp: 517758

Ion Ratio Lower Upper

98 100

100 65.9 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 0.378 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.074 min

Lab File: VX030742.D

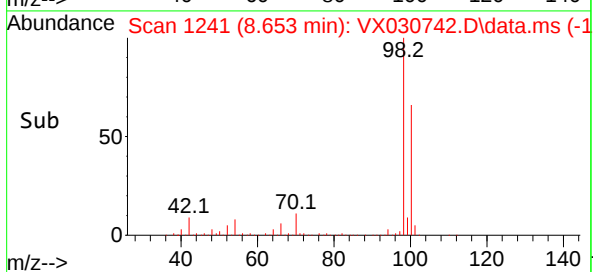
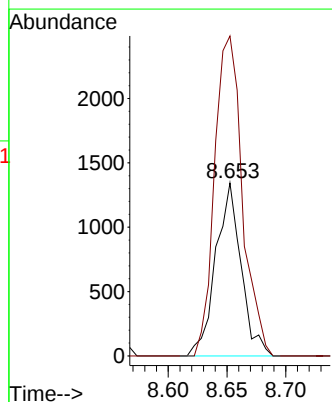
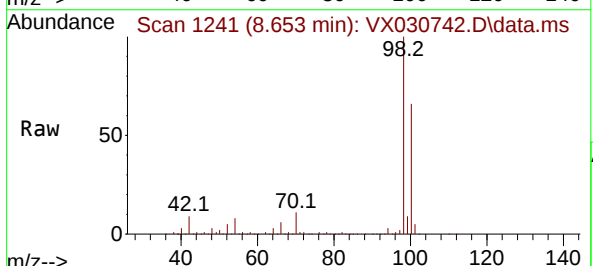
Acq: 23 Aug 2022 19:13

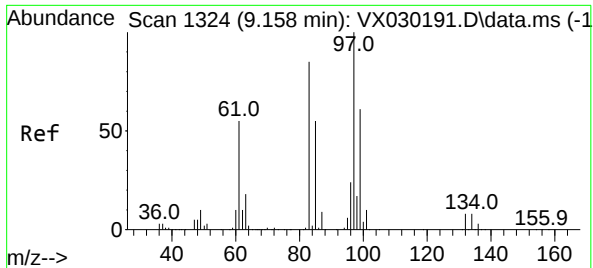
Tgt Ion: 43 Resp: 2019

Ion Ratio Lower Upper

43 100

58 202.5 31.4 47.2#





#55

1,1,2-Trichloroethane

Concen: 0.230 ug/l

RT: 9.159 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX030742.D

Acq: 23 Aug 2022 19:13

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20220817

Tgt Ion: 97 Resp: 712

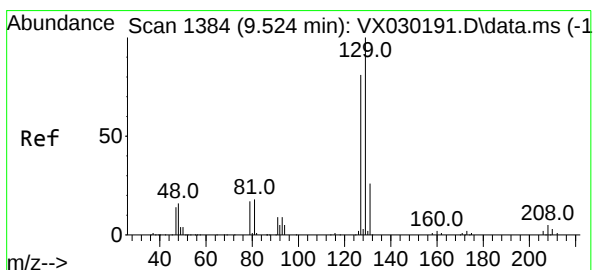
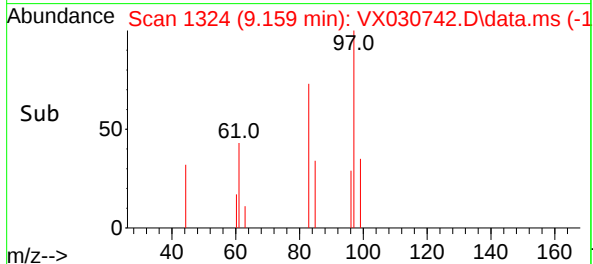
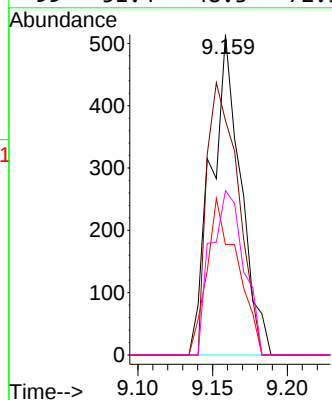
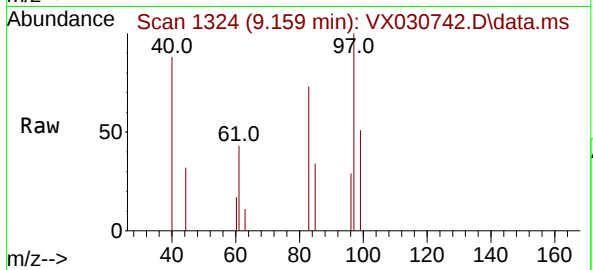
Ion Ratio Lower Upper

97 100

83 73.2 68.9 103.3

85 34.4 44.0 66.0#

99 51.4 48.3 72.5



#60

Dibromochloromethane

Concen: 0.457 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX030742.D

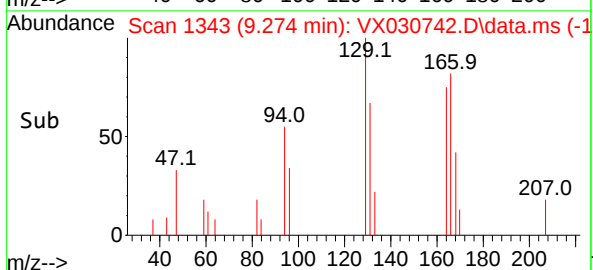
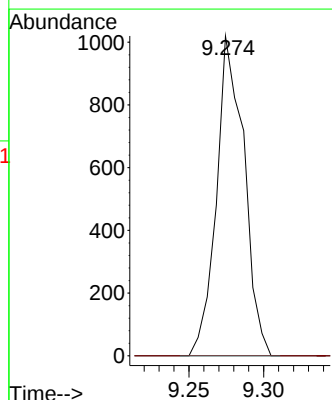
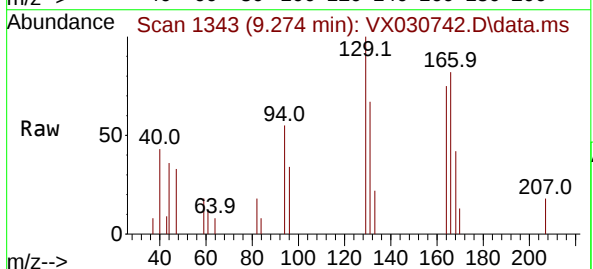
Acq: 23 Aug 2022 19:13

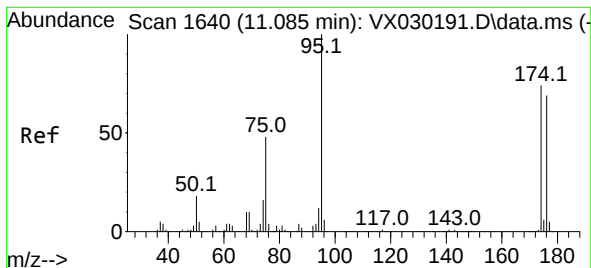
Tgt Ion: 129 Resp: 1309

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

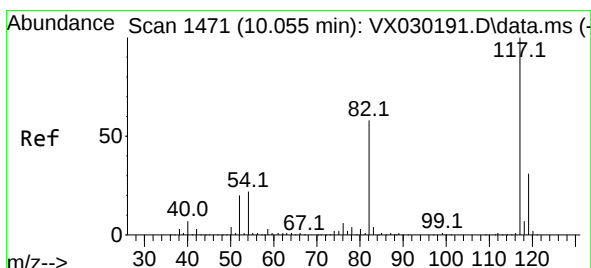
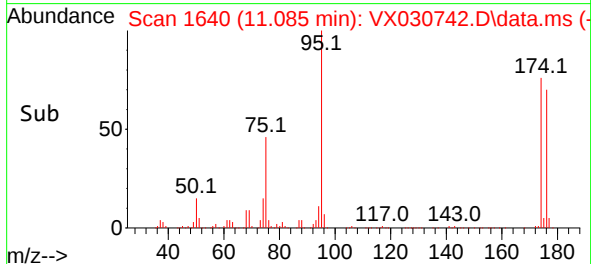
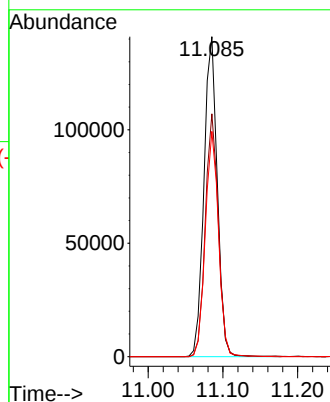
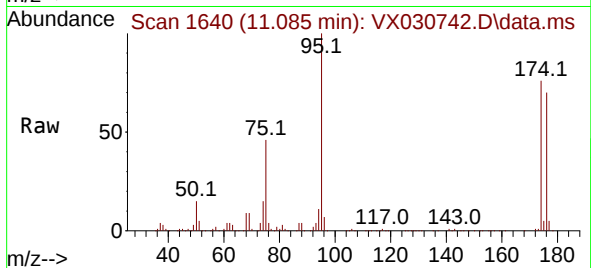




#62
4-Bromofluorobenzene
Concen: 46.269 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

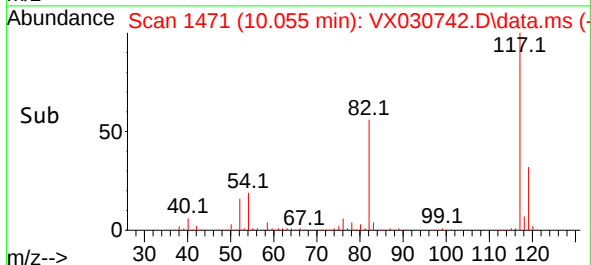
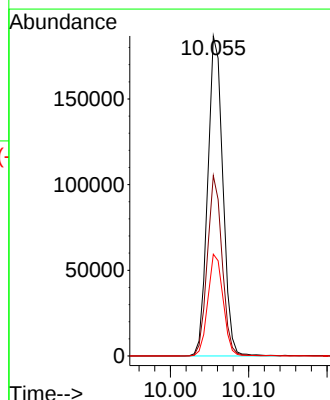
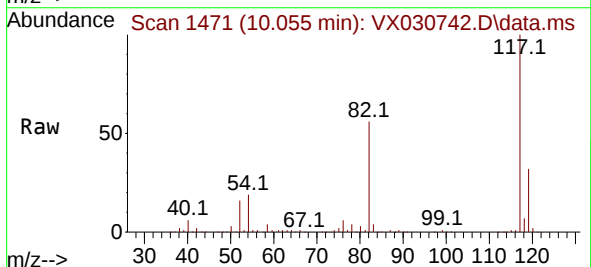
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20220817

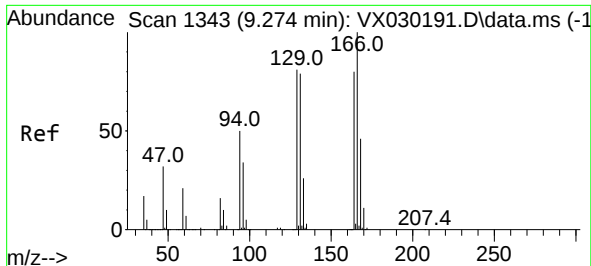
Tgt Ion: 95 Resp: 175011
Ion Ratio Lower Upper
95 100
174 73.8 0.0 149.0
176 69.6 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

Tgt Ion: 117 Resp: 250513
Ion Ratio Lower Upper
117 100
82 56.3 42.7 64.1
119 31.8 25.4 38.2

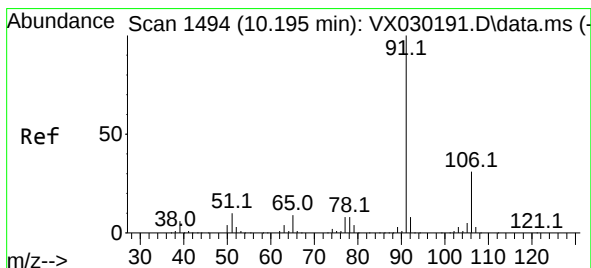
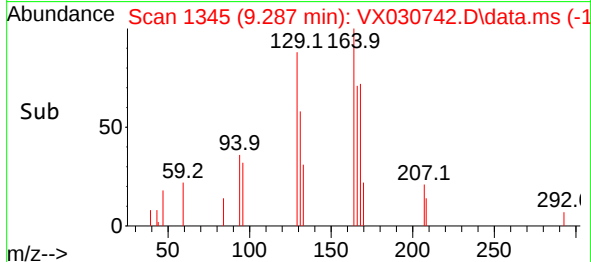
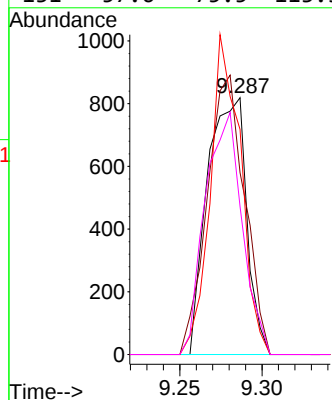
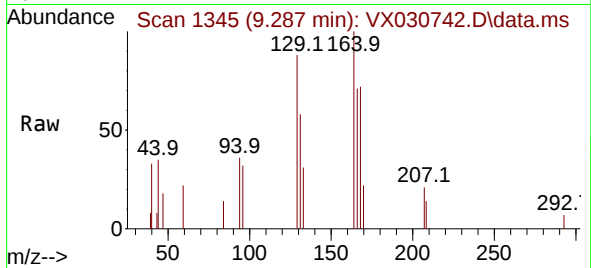




#64
Tetrachloroethene
Concen: 0.501 ug/l
RT: 9.287 min Scan# 11
Delta R.T. 0.013 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

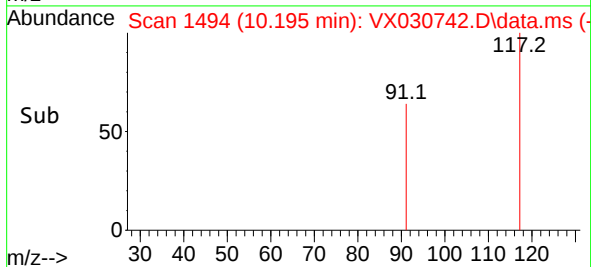
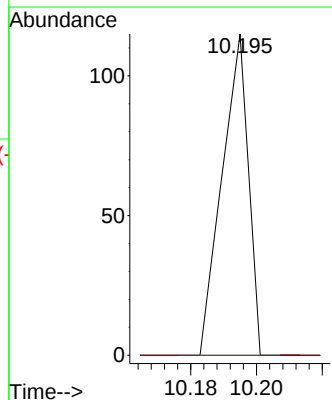
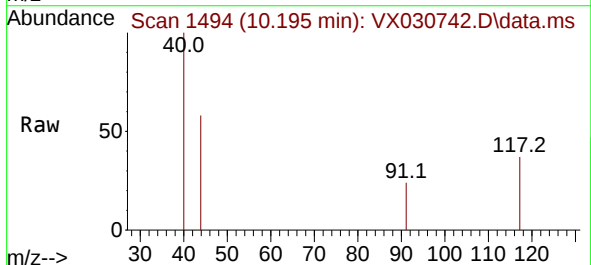
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20220817

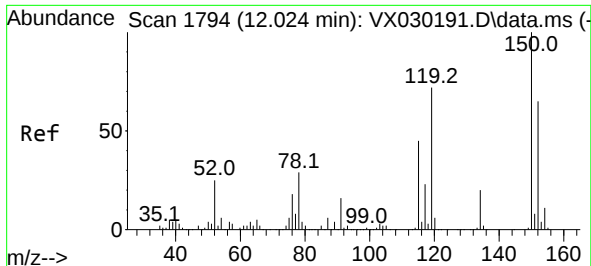
Tgt	Ion:164	Resp:	1351
Ion	Ratio	Lower	Upper
164	100		
166	70.8	98.2	147.4#
129	87.7	80.8	121.2
131	57.6	75.5	113.3#



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030742.D
Acq: 23 Aug 2022 19:13

Tgt Ion: 91	Resp:	64	
Ion Ratio	Lower	Upper	
91 100			
106 0.0	25.5	38.3#	

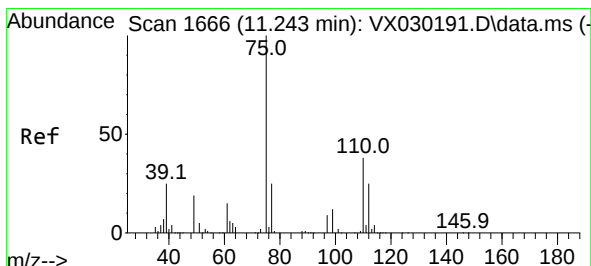
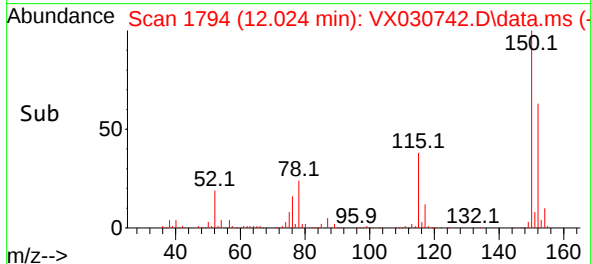
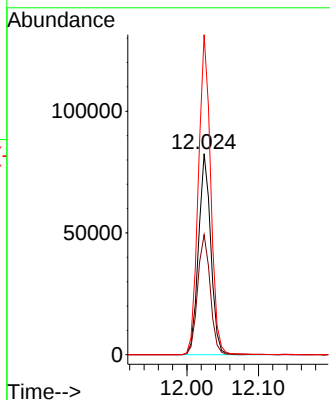
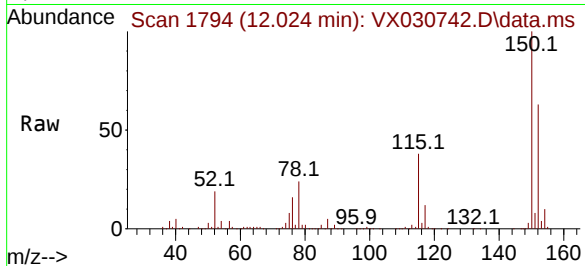




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX030742.D
 Acq: 23 Aug 2022 19:13

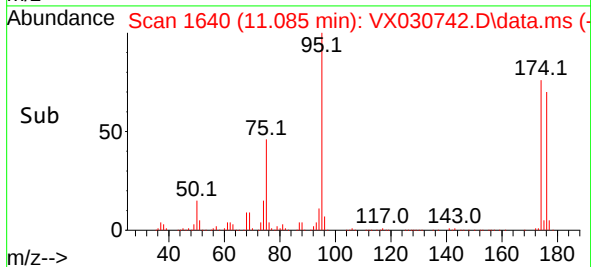
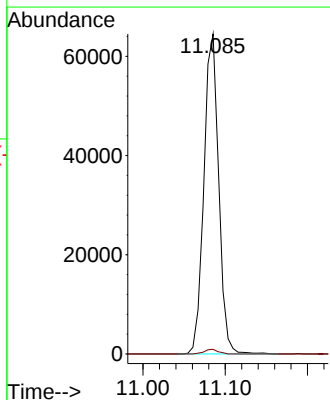
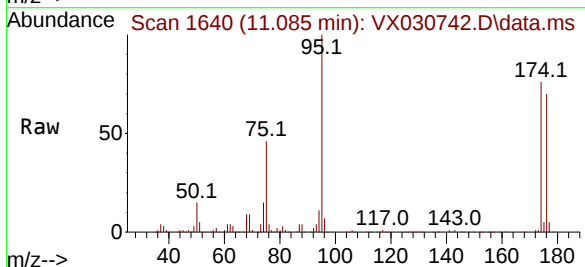
Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20220817

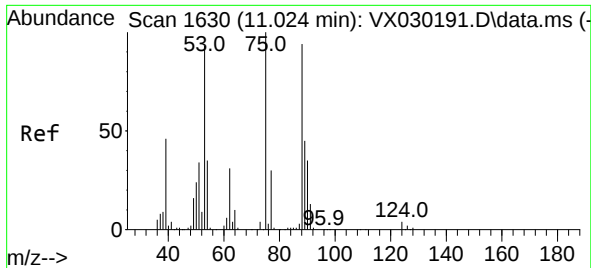
Tgt Ion:152 Resp: 98389
 Ion Ratio Lower Upper
 152 100
 115 60.9 40.5 121.5
 150 159.1 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 31.099 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX030742.D
 Acq: 23 Aug 2022 19:13

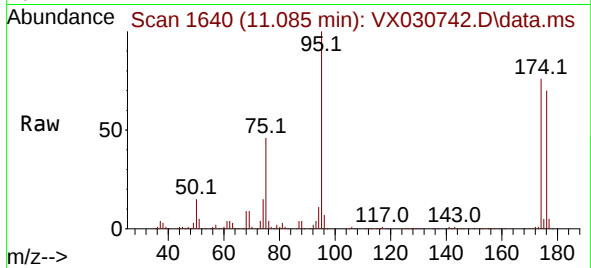
Tgt Ion: 75 Resp: 80656
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.296 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030742.D
 Acq: 23 Aug 2022 19:13

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20220817



Tgt Ion: 75 Resp: 80656
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.2 111.4#
 89 0.1 34.8 52.2#

