

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090122\
 Data File : VX031048.D
 Acq On : 02 Sep 2022 02:23
 Operator : JC/MD
 Sample : N4298-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20220822

Quant Time: Sep 02 04:56:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

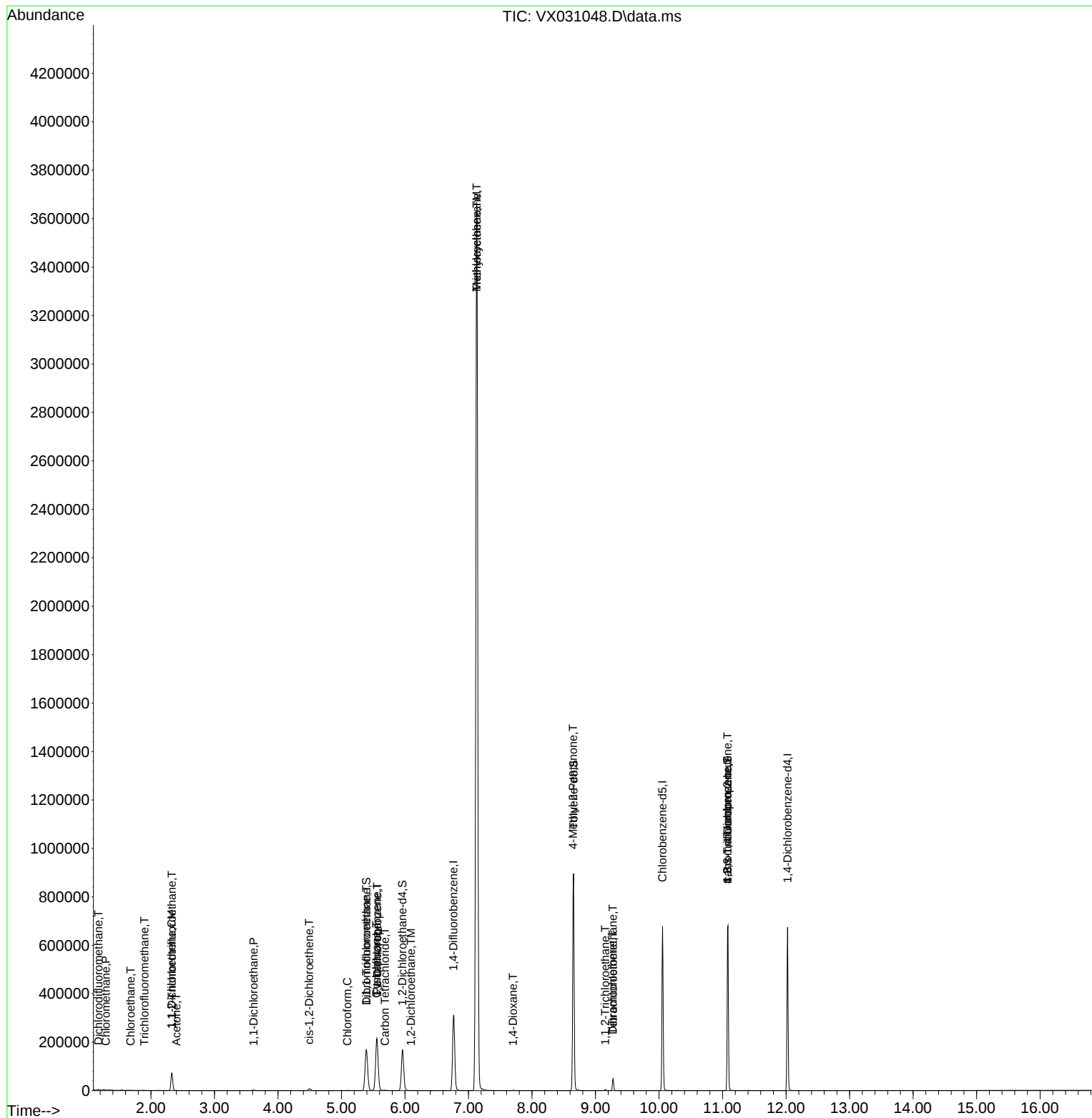
Internal Standards						
1) Pentafluorobenzene	5.556	168	218332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	354062	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	326353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	148562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	158067	56.266	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.540%	
35) Dibromofluoromethane	5.391	113	152812	59.142	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 118.280%	
50) Toluene-d8	8.653	98	563555	59.263	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 118.520%#	
62) 4-Bromofluorobenzene	11.079	95	194307	57.852	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.700%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	510	0.227	ug/l #	42
3) Chloromethane	1.288	50	124	0.757	ug/l #	42
6) Chloroethane	1.679	64	119	1.807	ug/l #	41
7) Trichlorofluoromethane	1.898	101	804	0.203	ug/l #	62
9) 1,1,2-Trichlorotrifluo...	2.331	101	20922	7.966	ug/l	91
11) Tert butyl alcohol	2.941	59	20	Below Cal	#	74
12) 1,1-Dichloroethene	2.325	96	10264	4.047	ug/l	89
16) Acetone	2.398	43	272	0.251	ug/l #	40
20) Methylene Chloride	2.788	84	377	Below Cal	#	52
24) 1,1-Dichloroethane	3.617	63	3047	0.666	ug/l #	92
27) cis-1,2-Dichloroethene	4.489	96	5829	1.843	ug/l	82
30) Chloroform	5.093	83	1468	0.293	ug/l #	64
31) Cyclohexane	5.550	56	3363	0.876	ug/l #	1
32) 1,1,1-Trichloroethane	5.391	97	982	0.228	ug/l #	35
36) 1,1-Dichloropropene	5.562	75	14318	3.956	ug/l #	50
38) Carbon Tetrachloride	5.684	117	975	0.260	ug/l #	75
39) Methylcyclohexane	7.129	83	16266	3.626	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	714	0.208	ug/l #	73
44) Trichloroethene	7.129	130	1527977	464.590	ug/l	98
49) 1,4-Dioxane	7.702	88	1662	22.023	ug/l #	84
51) 4-Methyl-2-Pentanone	8.647	43	1583	0.501	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	1204	0.420	ug/l #	82
60) Dibromochloromethane	9.275	129	9201	3.093	ug/l #	11
64) Tetrachloroethene	9.275	164	9835	3.018	ug/l #	87
76) 1,2,3-Trichloropropane	11.079	75	89429	25.465	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	89429	80.029	ug/l #	13

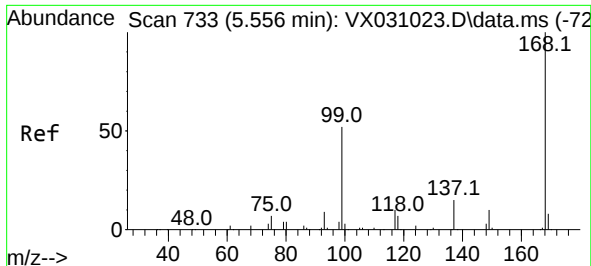
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090122\
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ClientSampleId :
RE120D1-20220822

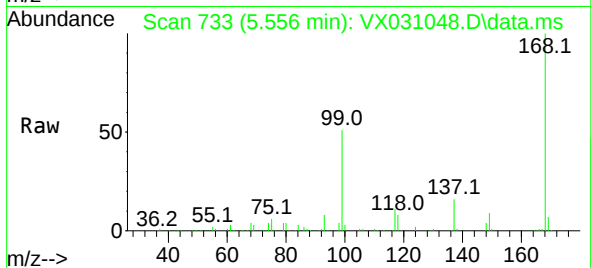
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 02 02:49:21 2022
Response via : Initial Calibration



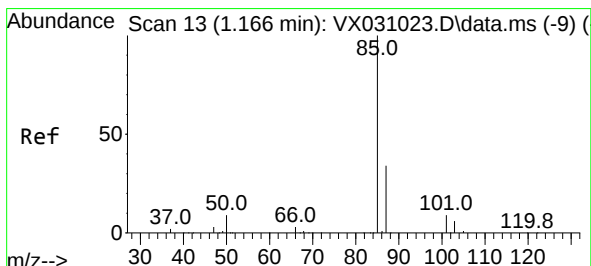
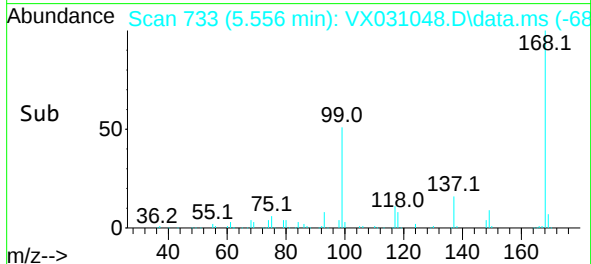
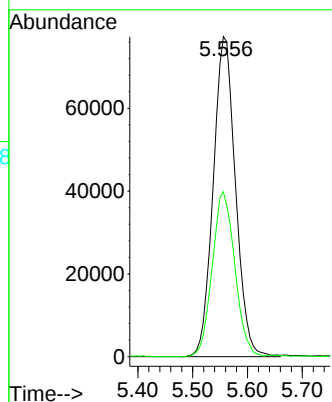


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220822

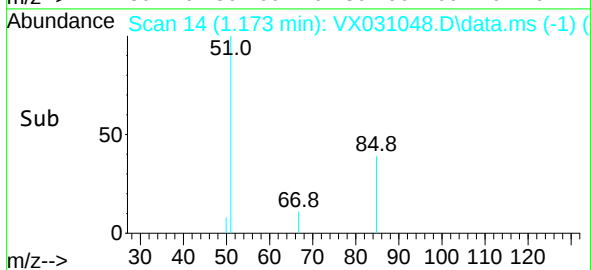
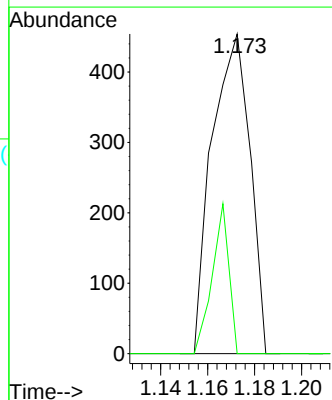
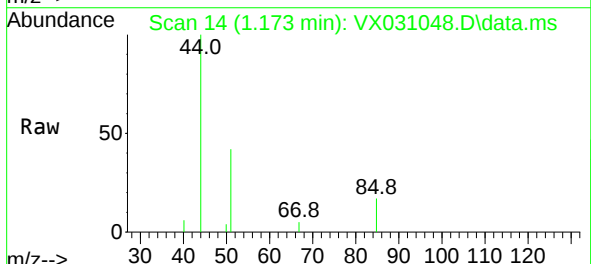


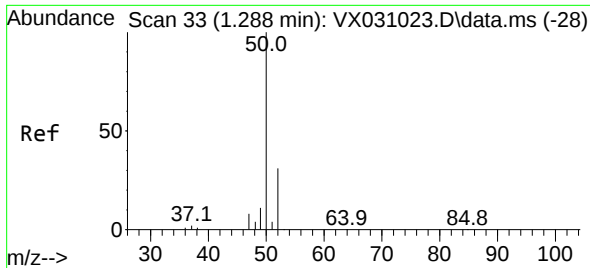
Tgt Ion:168 Resp: 218332
Ion Ratio Lower Upper
168 100
99 51.5 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 0.227 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.007 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

Tgt Ion: 85 Resp: 510
Ion Ratio Lower Upper
85 100
87 0.0 16.5 49.5#

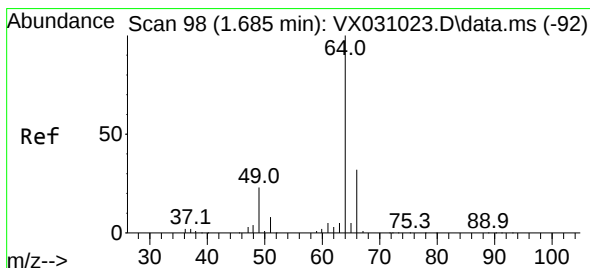
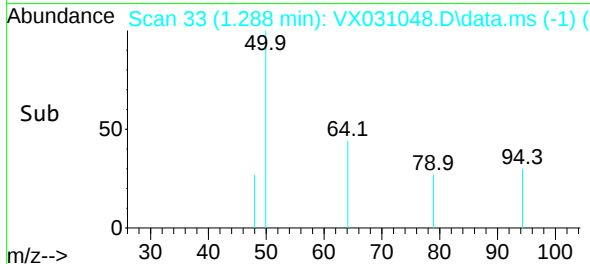
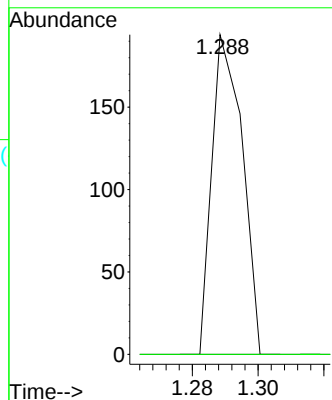
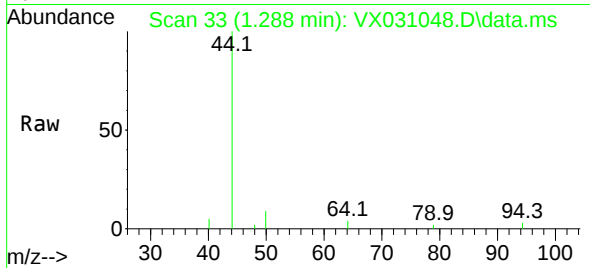




#3
Chloromethane
Concen: 0.757 ug/l
RT: 1.288 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

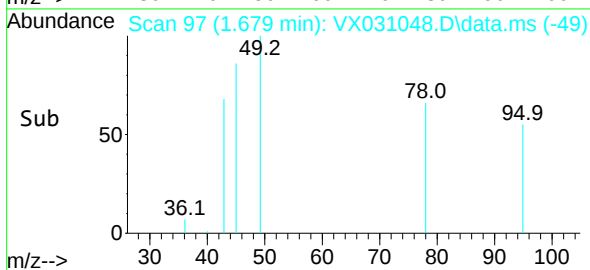
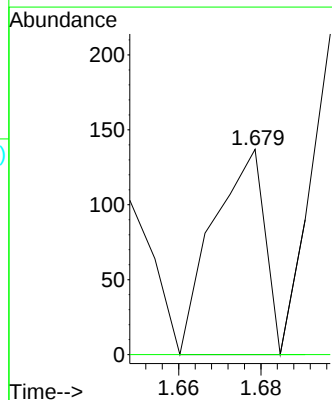
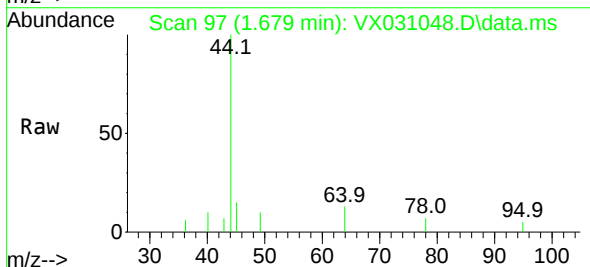
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220822

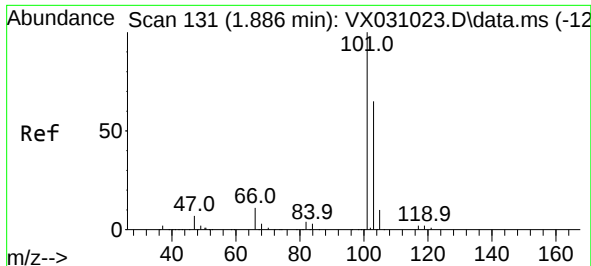
Tgt Ion: 50 Resp: 124
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



#6
Chloroethane
Concen: 1.807 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.006 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

Tgt Ion: 64 Resp: 119
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

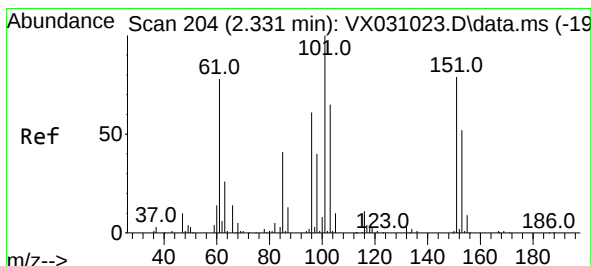
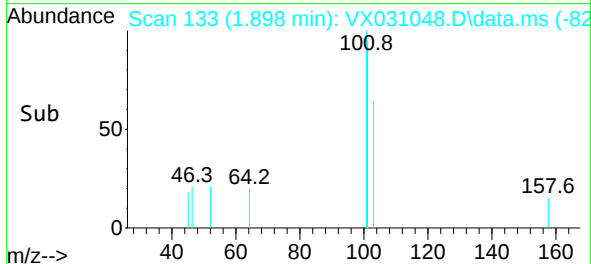
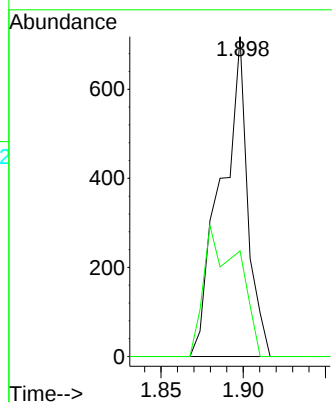
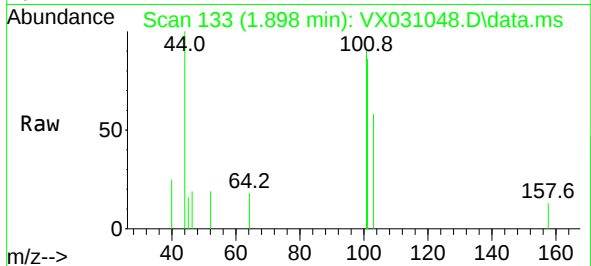




#7
 Trichlorofluoromethane
 Concen: 0.203 ug/l
 RT: 1.898 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VX031048.D
 Acq: 02 Sep 2022 02:23

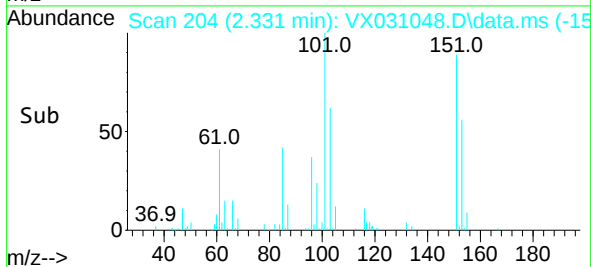
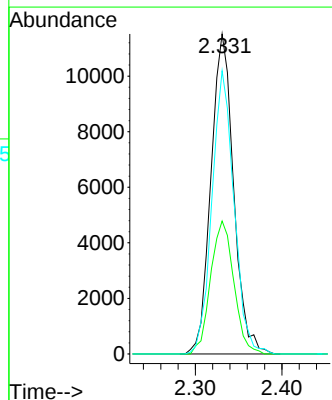
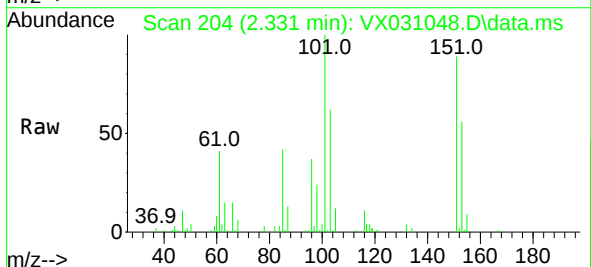
Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20220822

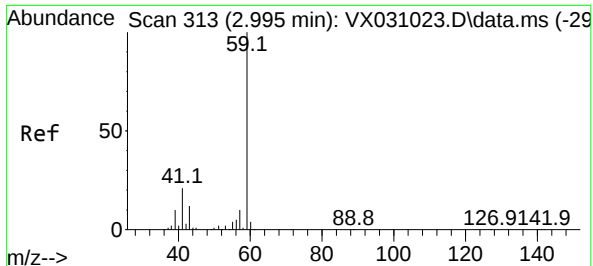
Tgt Ion:101 Resp: 804
 Ion Ratio Lower Upper
 101 100
 103 33.0 49.7 74.5#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 7.966 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: VX031048.D
 Acq: 02 Sep 2022 02:23

Tgt Ion:101 Resp: 20922
 Ion Ratio Lower Upper
 101 100
 85 42.6 34.0 51.0
 151 86.2 59.4 89.0





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 304

Delta R.T. -0.048 min

Lab File: VX031048.D

Acq: 02 Sep 2022 02:23

Instrument :

MSVOA_X

ClientSampleId :

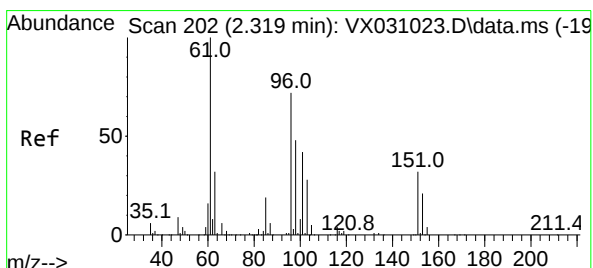
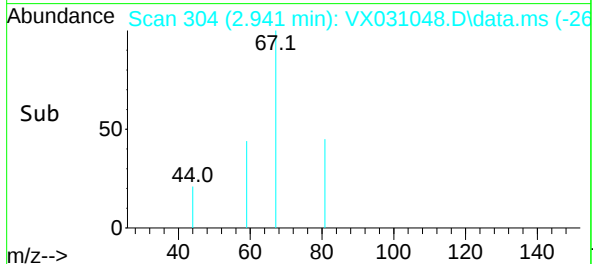
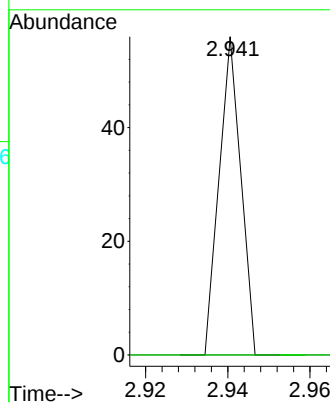
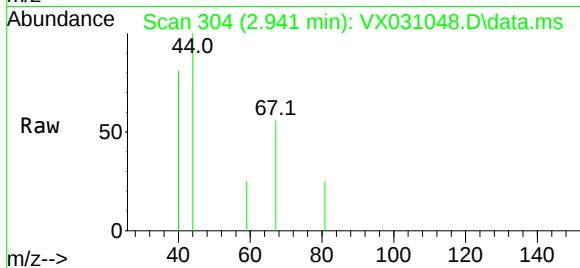
RE120D1-20220822

Tgt Ion: 59 Resp: 20

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 4.047 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX031048.D

Acq: 02 Sep 2022 02:23

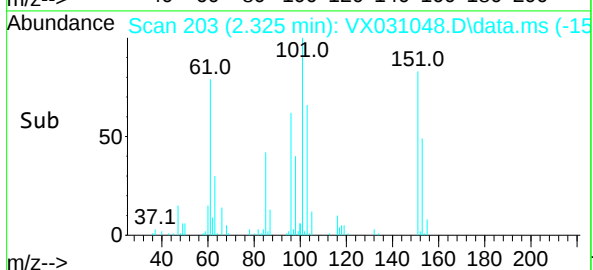
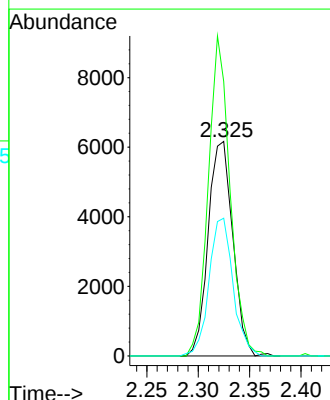
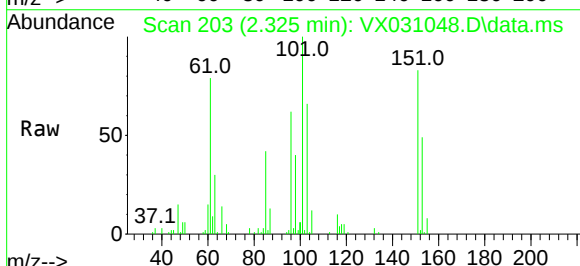
Tgt Ion: 96 Resp: 10264

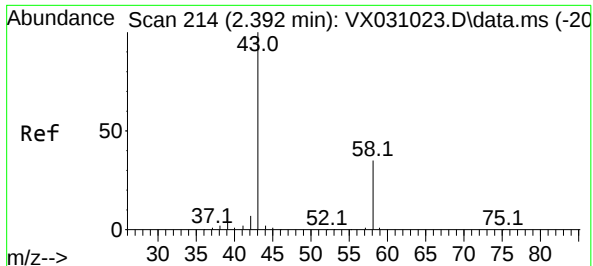
Ion Ratio Lower Upper

96 100

61 127.9 117.4 176.0

98 64.2 52.2 78.4

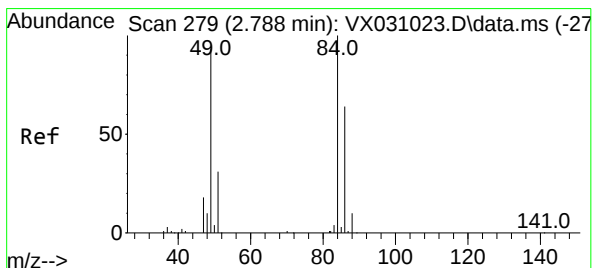
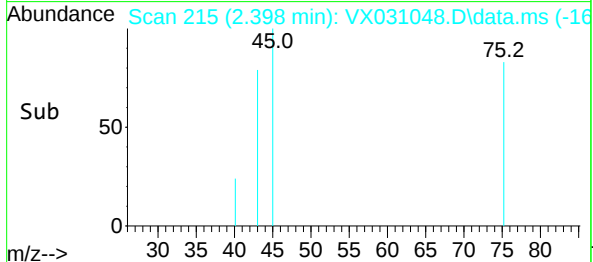
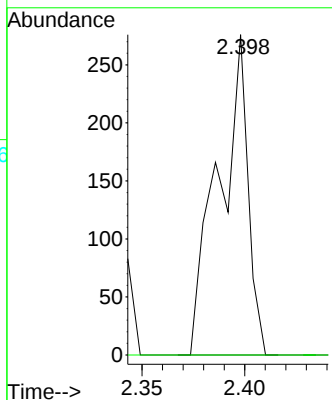
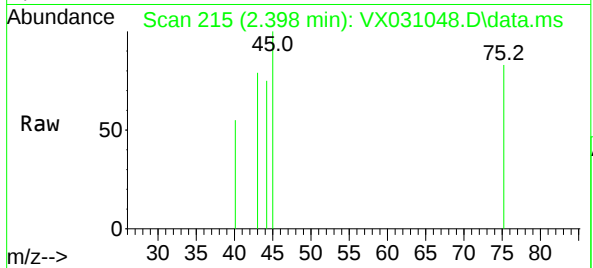




#16
 Acetone
 Concen: 0.251 ug/l
 RT: 2.398 min Scan# 215
 Delta R.T. 0.012 min
 Lab File: VX031048.D
 Acq: 02 Sep 2022 02:23

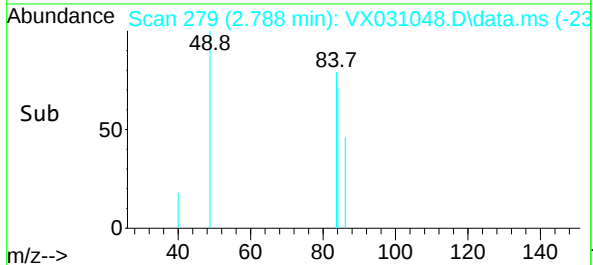
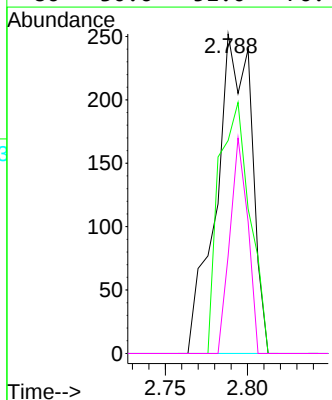
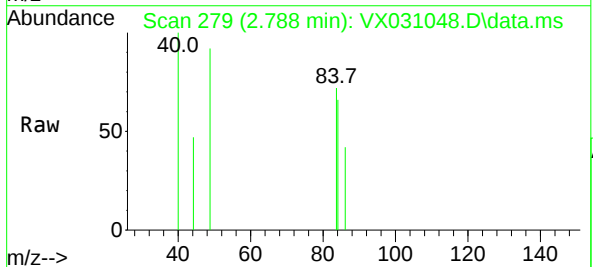
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 RE120D1-20220822

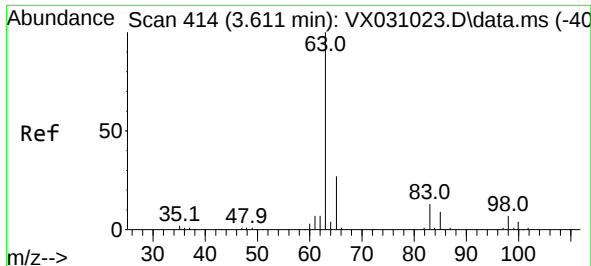
Tgt Ion: 43 Resp: 272
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.7 41.5#



#20
 Methylene Chloride
 Concen: Below Cal
 RT: 2.788 min Scan# 279
 Delta R.T. 0.000 min
 Lab File: VX031048.D
 Acq: 02 Sep 2022 02:23

Tgt Ion: 84 Resp: 377
 Ion Ratio Lower Upper
 84 100
 49 66.7 93.8 140.6#
 51 0.0 29.4 44.0#
 86 30.6 51.0 76.4#

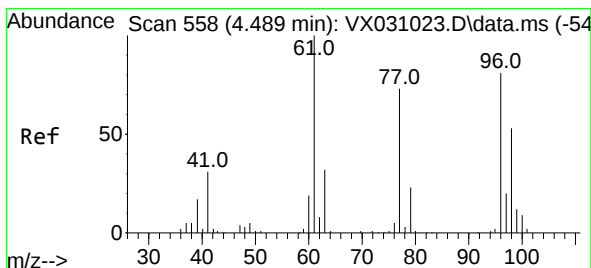
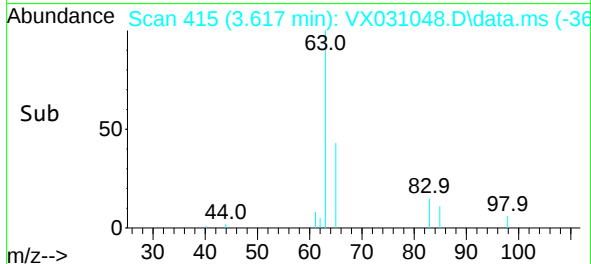
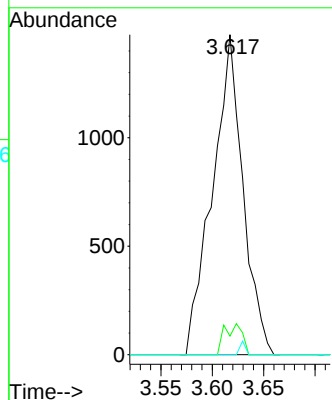
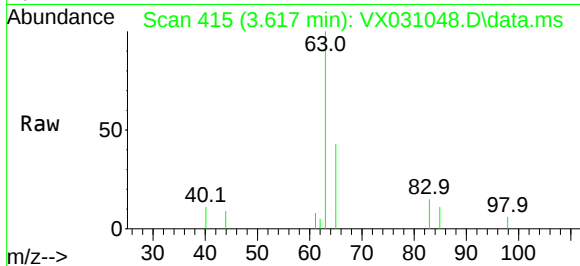




#24
1,1-Dichloroethane
Concen: 0.666 ug/l
RT: 3.617 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

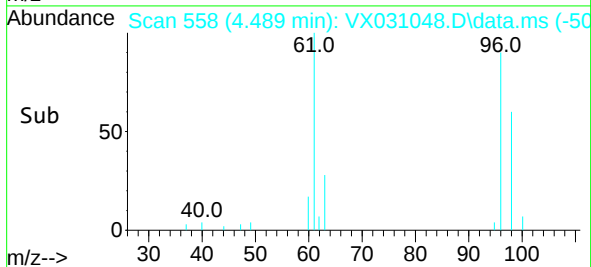
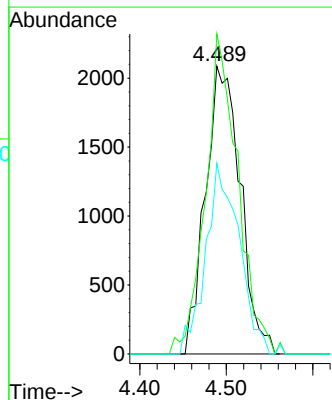
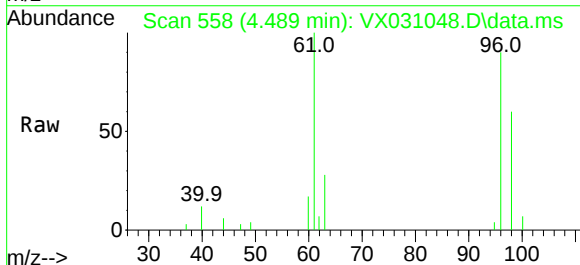
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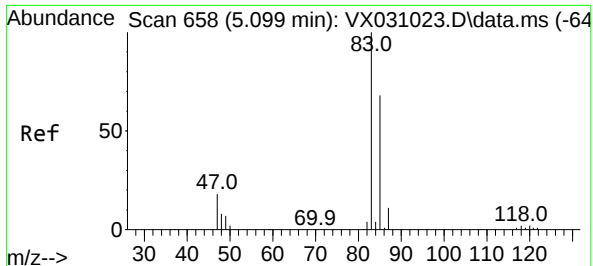
Tgt Ion: 63 Resp: 3047
Ion Ratio Lower Upper
63 100
98 5.8 3.5 10.5
100 0.0 2.3 6.9#



#27
cis-1,2-Dichloroethene
Concen: 1.843 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

Tgt Ion: 96 Resp: 5829
Ion Ratio Lower Upper
96 100
61 103.6 0.0 270.0
98 63.5 0.0 127.8





#30

Chloroform

Concen: 0.293 ug/l

RT: 5.093 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX031048.D

Acq: 02 Sep 2022 02:23

Instrument :

MSVOA_X

ClientSampleId :

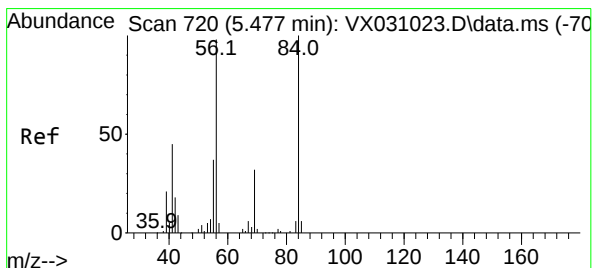
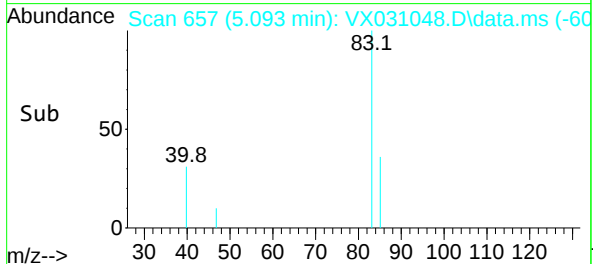
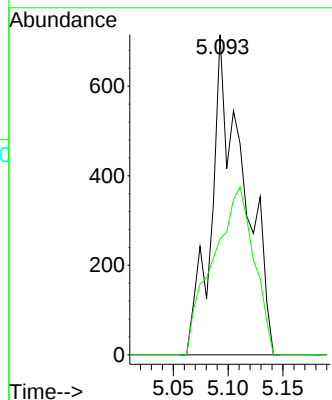
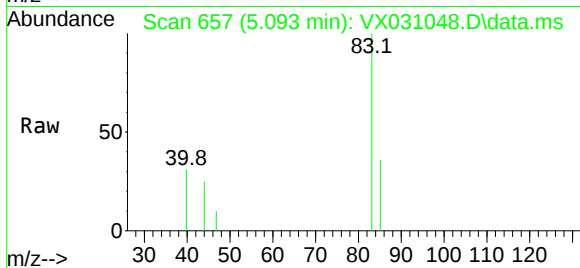
RE120D1-20220822

Tgt Ion: 83 Resp: 1468

Ion Ratio Lower Upper

83 100

85 36.2 51.5 77.3#



#31

Cyclohexane

Concen: 0.876 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX031048.D

Acq: 02 Sep 2022 02:23

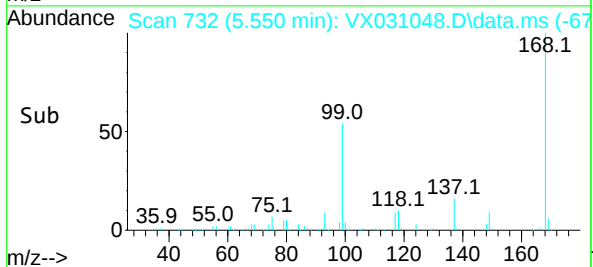
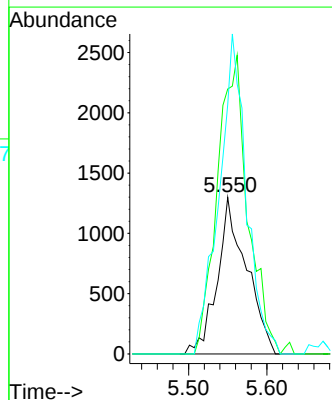
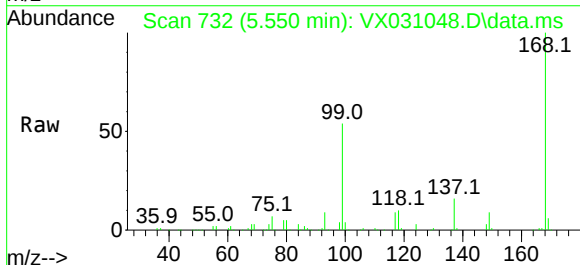
Tgt Ion: 56 Resp: 3363

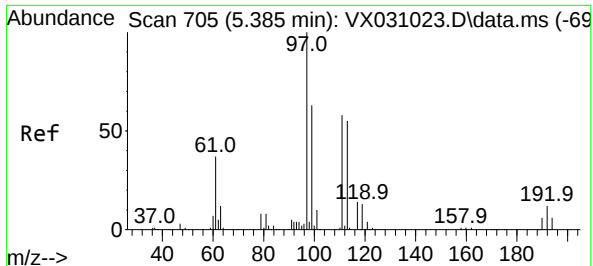
Ion Ratio Lower Upper

56 100

69 169.2 25.4 38.0#

84 168.8 68.9 103.3#





#32

1,1,1-Trichloroethane

Concen: 0.228 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX031048.D

Acq: 02 Sep 2022 02:23

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20220822

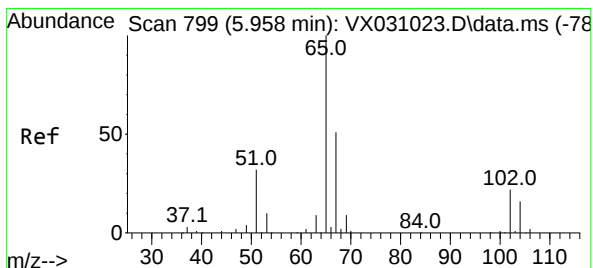
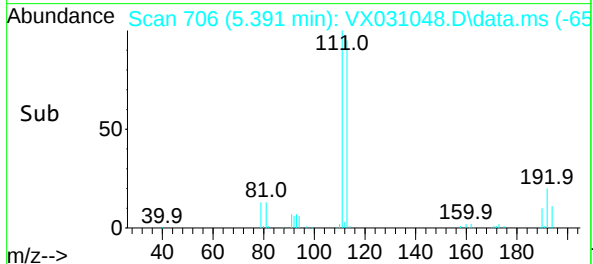
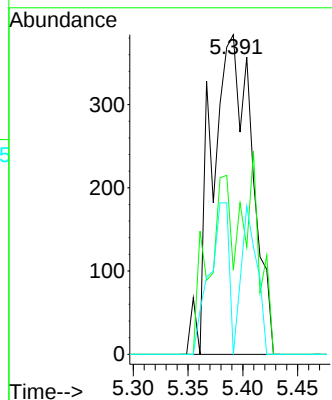
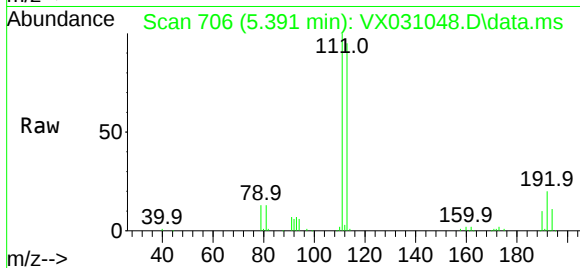
Tgt Ion: 97 Resp: 982

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

61 18.0 35.8 53.8#



#33

1,2-Dichloroethane-d4

Concen: 56.266 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031048.D

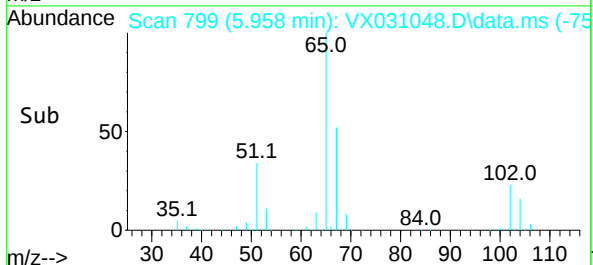
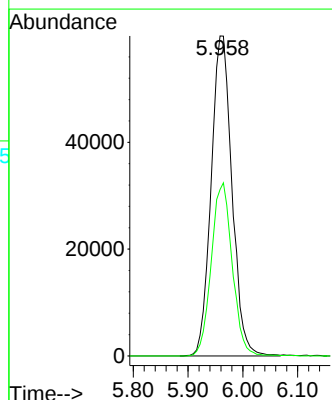
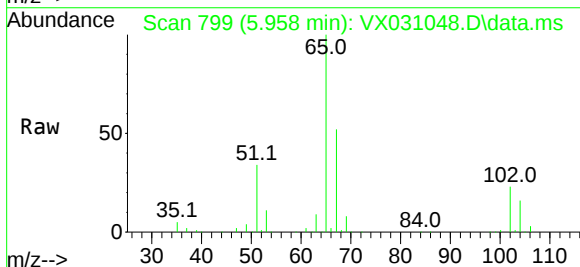
Acq: 02 Sep 2022 02:23

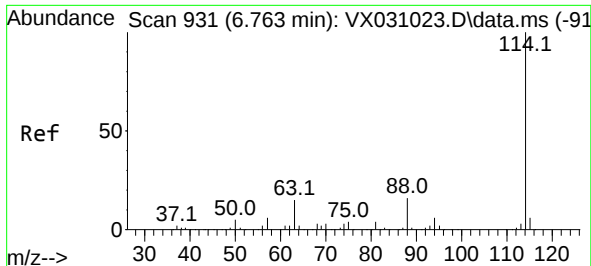
Tgt Ion: 65 Resp: 158067

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.6

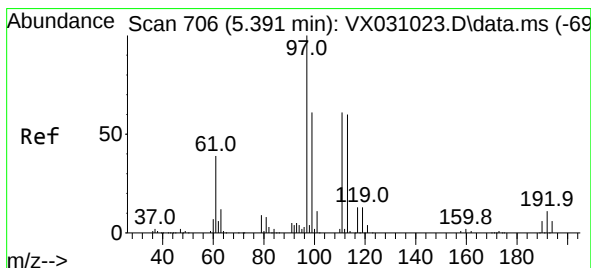
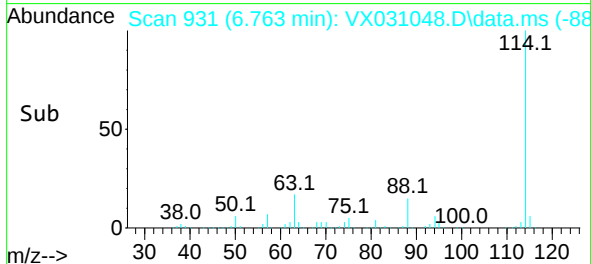
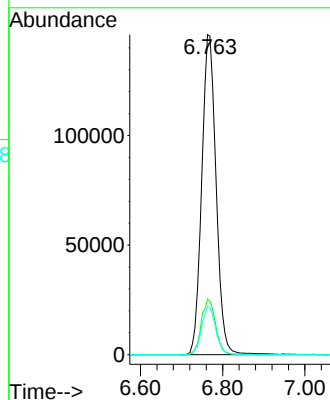
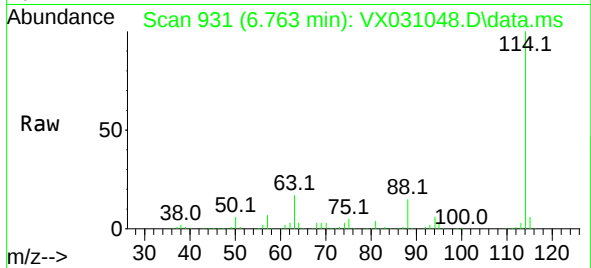




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

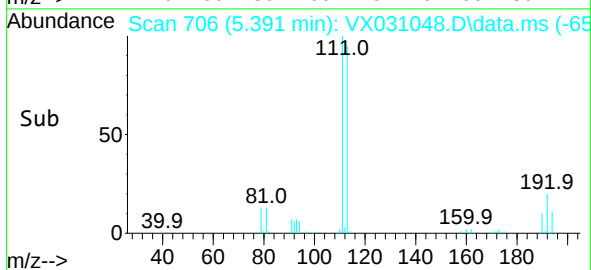
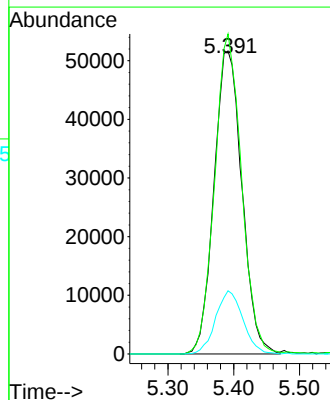
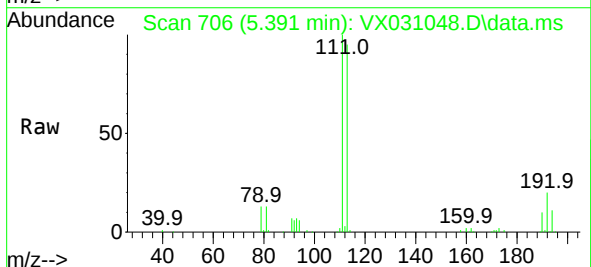
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220822

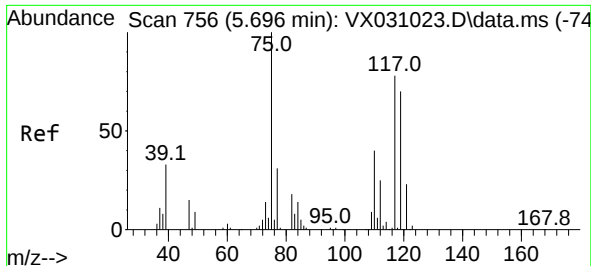
Tgt Ion:114 Resp: 354062
Ion Ratio Lower Upper
114 100
63 17.4 0.0 38.4
88 15.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 59.142 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

Tgt Ion:113 Resp: 152812
Ion Ratio Lower Upper
113 100
111 101.8 83.2 124.8
192 20.3 14.8 22.2

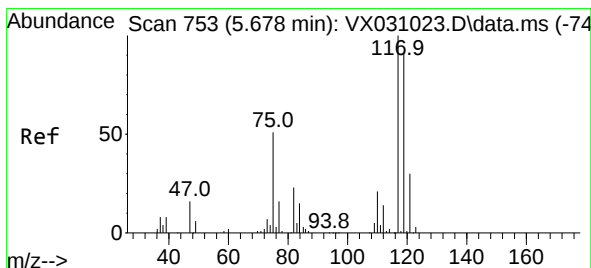
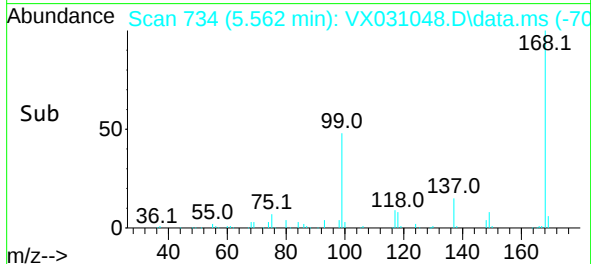
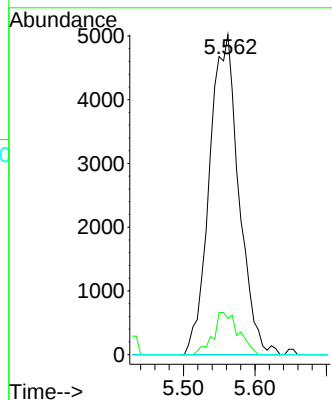
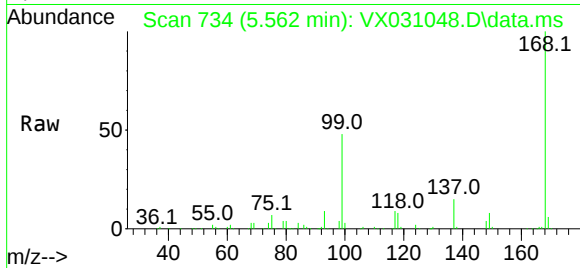




#36
1,1-Dichloropropene
Concen: 3.956 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

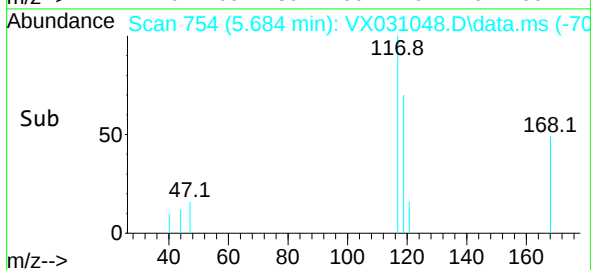
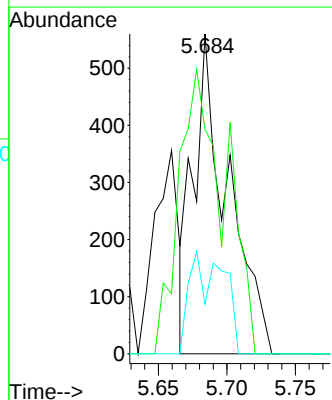
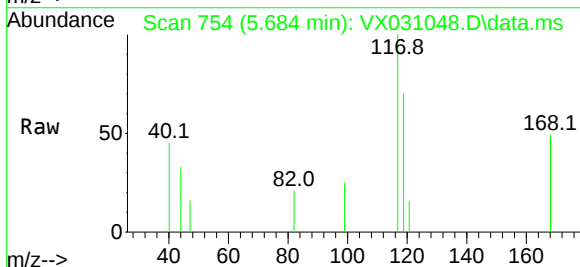
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220822

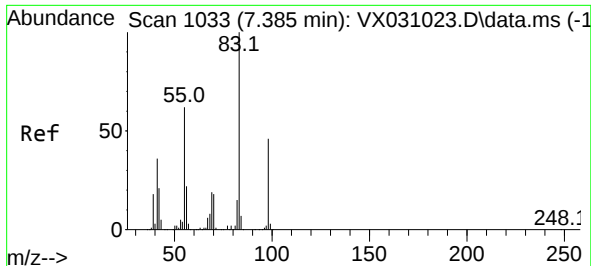
Tgt Ion: 75 Resp: 14318
Ion Ratio Lower Upper
75 100
110 11.4 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 0.260 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

Tgt Ion: 117 Resp: 975
Ion Ratio Lower Upper
117 100
119 70.2 74.1 111.1#
121 15.5 25.8 38.8#





#39

Methylcyclohexane

Concen: 3.626 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX031048.D

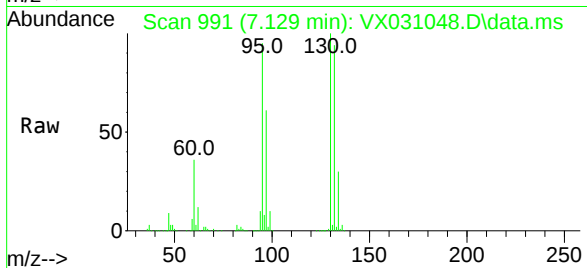
Acq: 02 Sep 2022 02:23

Instrument :

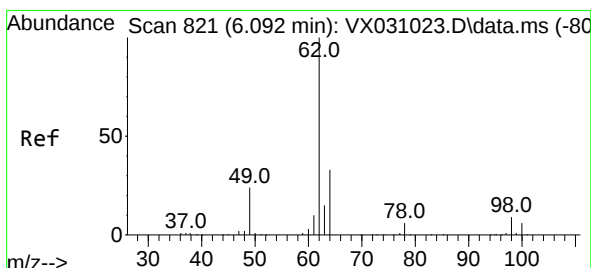
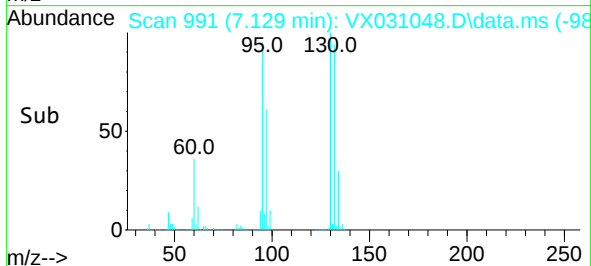
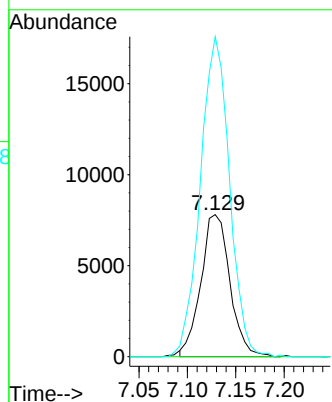
MSVOA_X

ClientSampleId :

RE120D1-20220822



Tgt Ion:	83	Resp:	16266
Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.7	86.5#
98	224.2	36.5	54.7#



#42

1,2-Dichloroethane

Concen: 0.208 ug/l

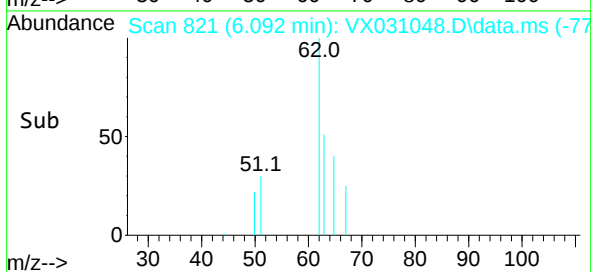
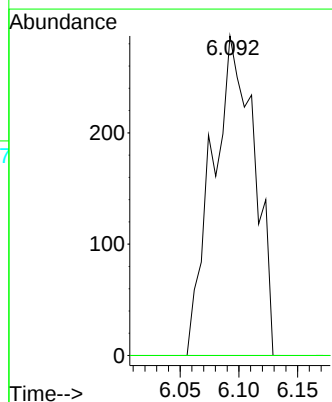
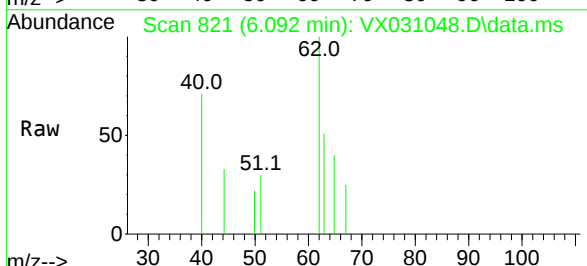
RT: 6.092 min Scan# 821

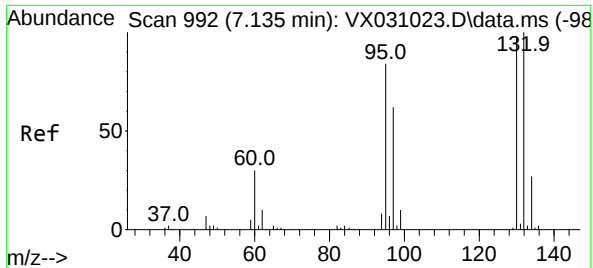
Delta R.T. 0.000 min

Lab File: VX031048.D

Acq: 02 Sep 2022 02:23

Tgt Ion:	62	Resp:	714
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.2

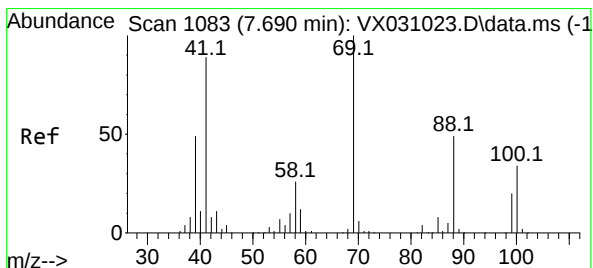
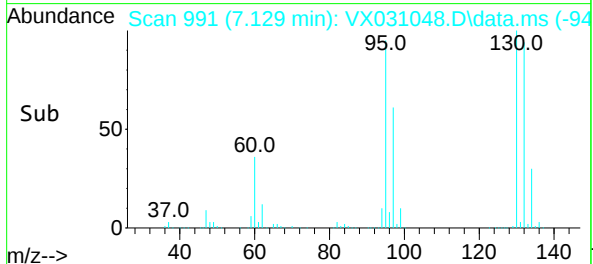
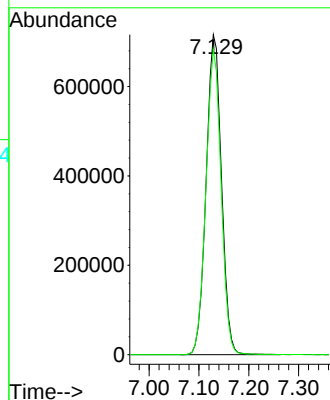
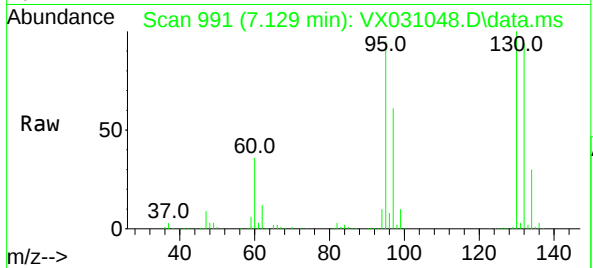




#44
Trichloroethene
Concen: 464.590 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

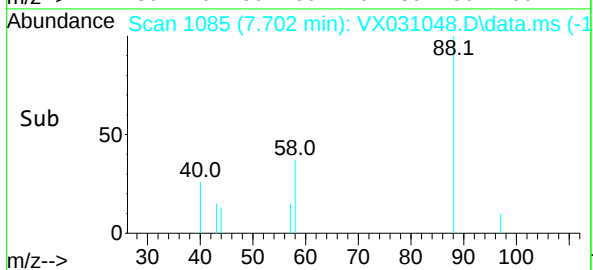
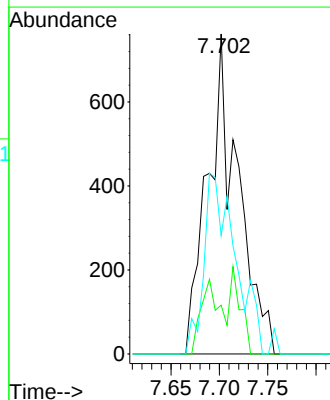
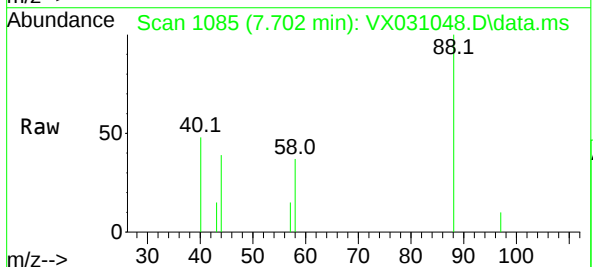
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220822

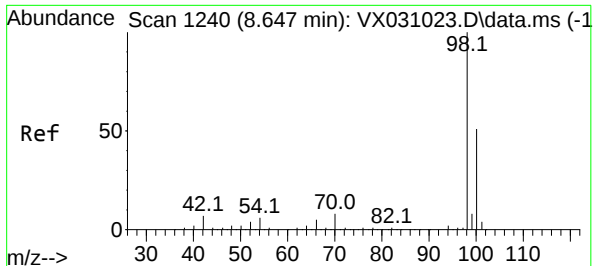
Tgt Ion:130 Resp: 1527977
Ion Ratio Lower Upper
130 100
95 95.5 0.0 194.8



#49
1,4-Dioxane
Concen: 22.023 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.025 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

Tgt Ion: 88 Resp: 1662
Ion Ratio Lower Upper
88 100
43 14.9 23.8 35.8#
58 58.8 53.8 80.6





#50

Toluene-d8

Concen: 59.263 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX031048.D

Acq: 02 Sep 2022 02:23

Instrument :

MSVOA_X

ClientSampleId :

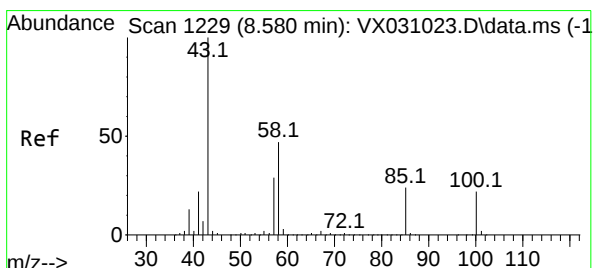
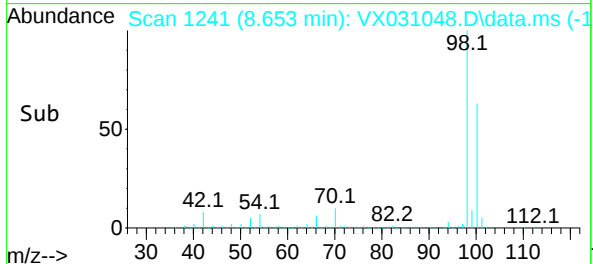
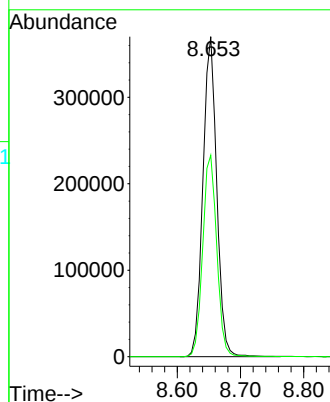
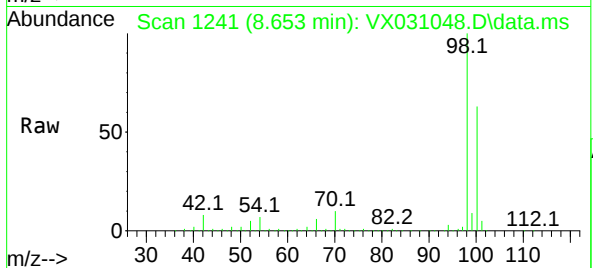
RE120D1-20220822

Tgt Ion: 98 Resp: 563555

Ion Ratio Lower Upper

98 100

100 64.0 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 0.501 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.067 min

Lab File: VX031048.D

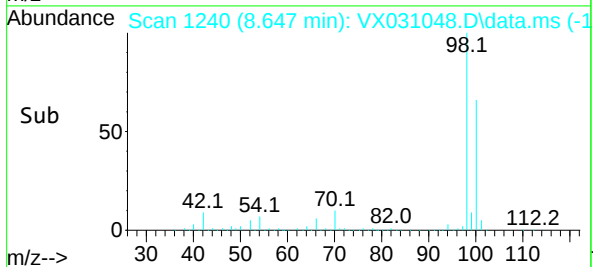
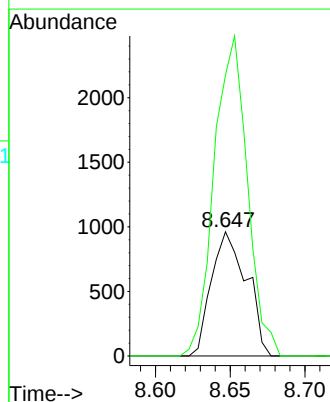
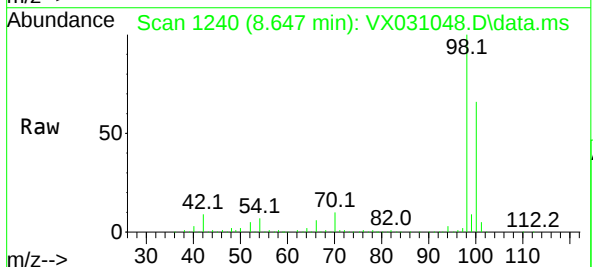
Acq: 02 Sep 2022 02:23

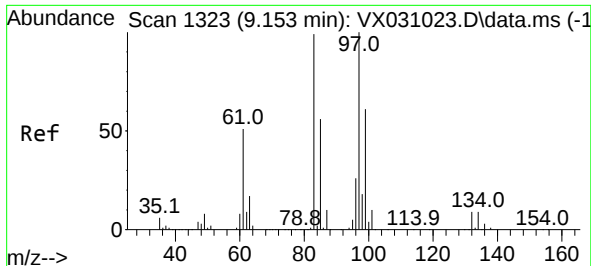
Tgt Ion: 43 Resp: 1583

Ion Ratio Lower Upper

43 100

58 241.4 31.4 47.2#





#55

1,1,2-Trichloroethane

Concen: 0.420 ug/l

RT: 9.153 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX031048.D

Acq: 02 Sep 2022 02:23

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20220822

Tgt Ion: 97 Resp: 1204

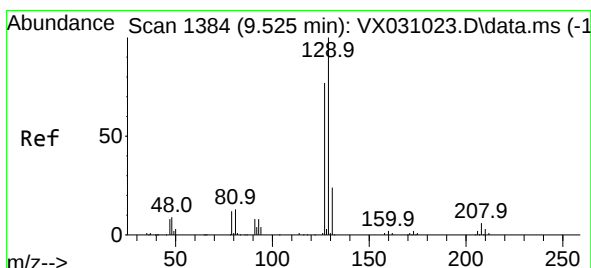
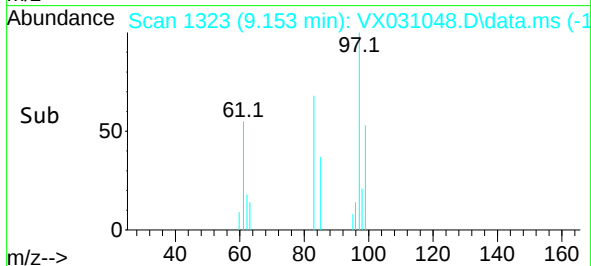
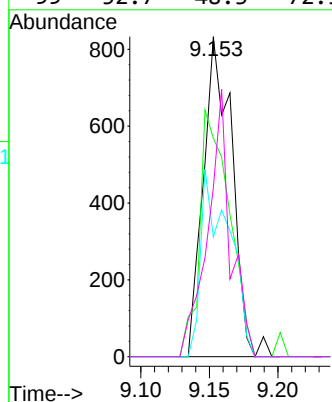
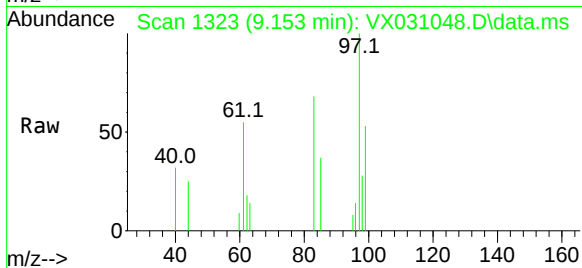
Ion Ratio Lower Upper

97 100

83 68.3 68.9 103.3#

85 37.5 44.0 66.0#

99 52.7 48.3 72.5



#60

Dibromochloromethane

Concen: 3.093 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX031048.D

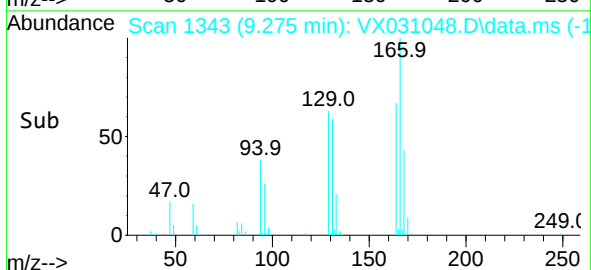
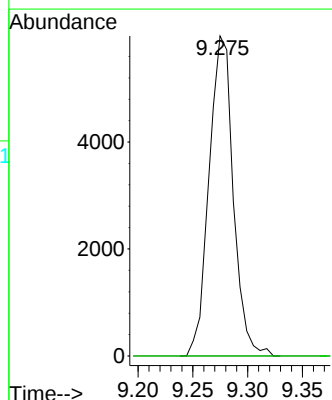
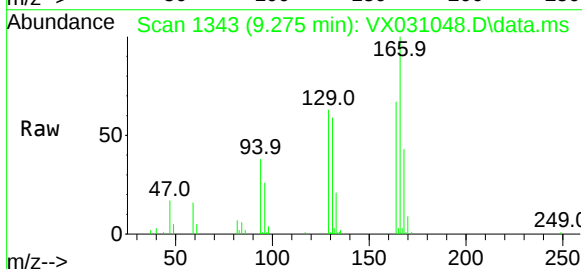
Acq: 02 Sep 2022 02:23

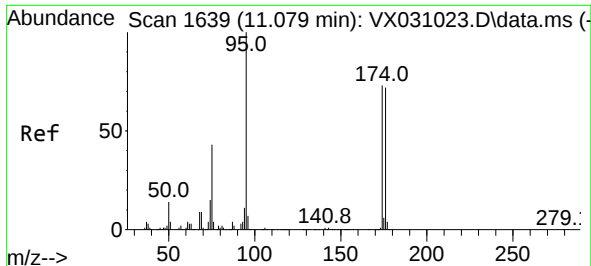
Tgt Ion: 129 Resp: 9201

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

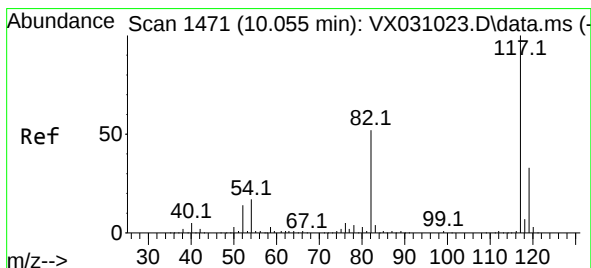
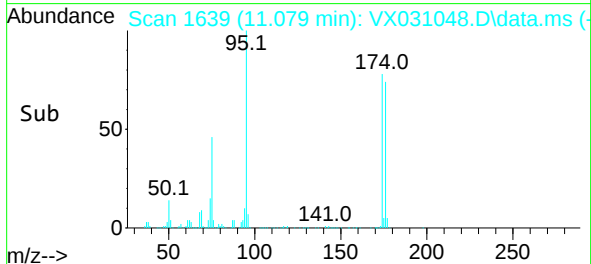
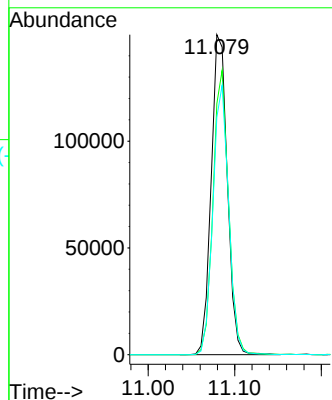
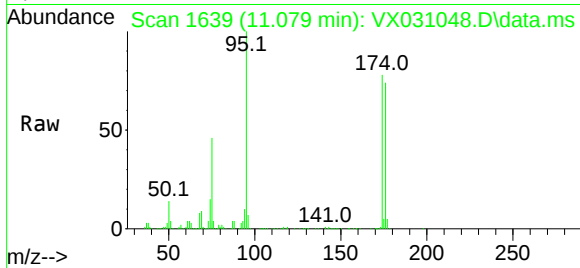




#62
4-Bromofluorobenzene
Concen: 57.852 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

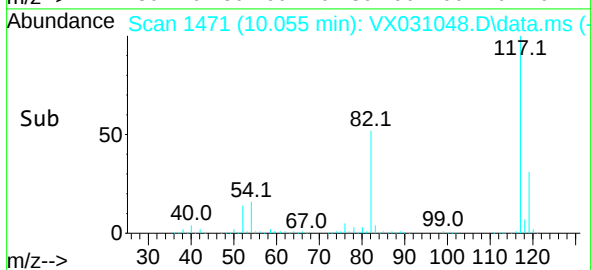
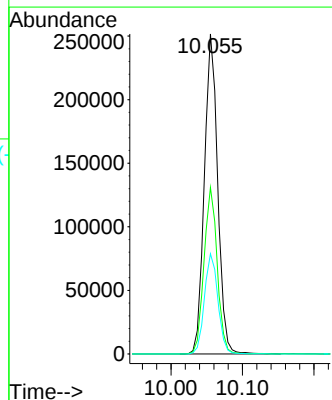
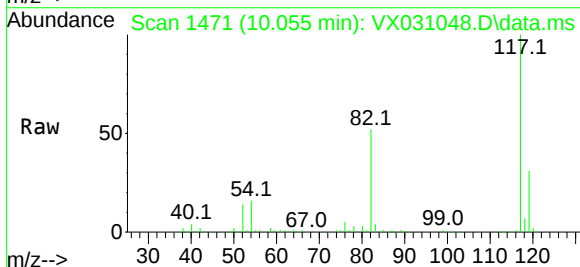
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220822

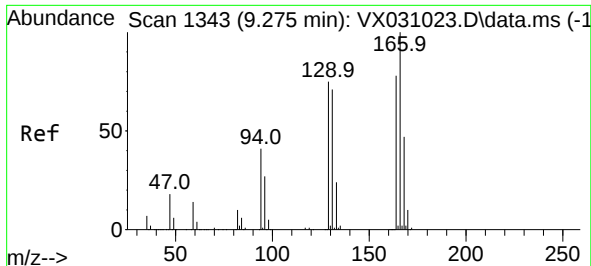
Tgt Ion: 95 Resp: 194307
Ion Ratio Lower Upper
95 100
174 85.4 0.0 149.0
176 82.5 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

Tgt Ion: 117 Resp: 326353
Ion Ratio Lower Upper
117 100
82 52.1 42.7 64.1
119 31.3 25.4 38.2

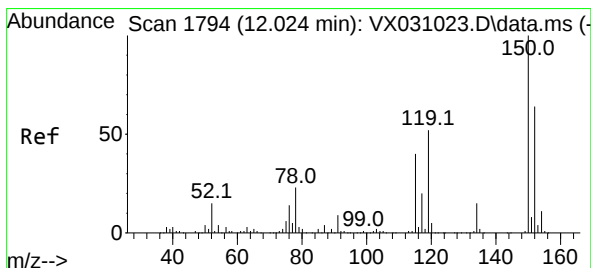
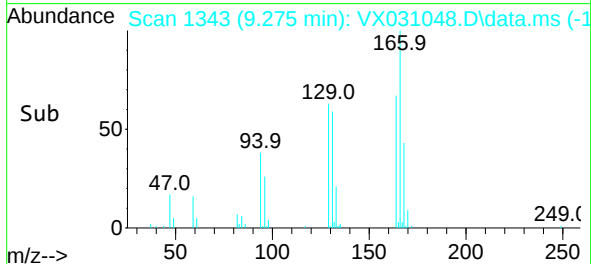
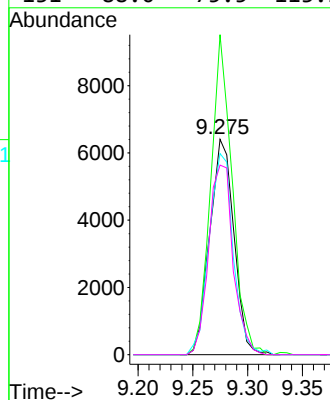
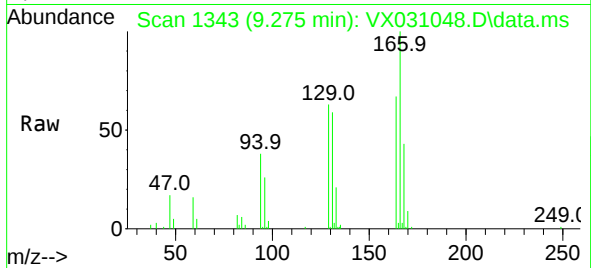




#64
Tetrachloroethene
Concen: 3.018 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

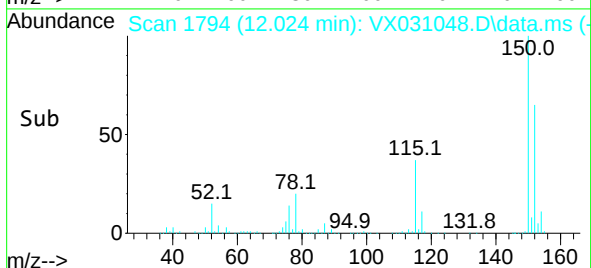
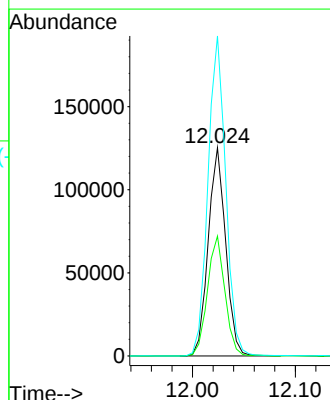
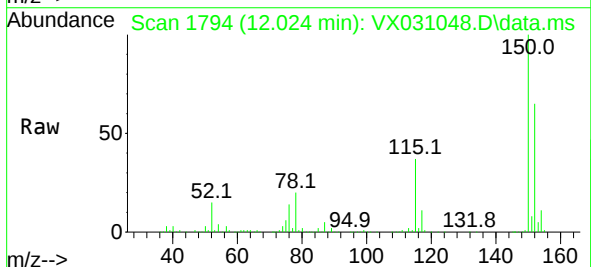
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220822

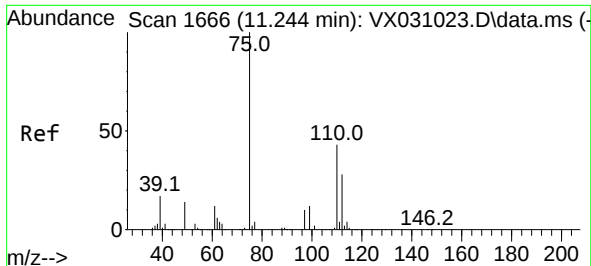
Tgt Ion:164 Resp: 9835
Ion Ratio Lower Upper
164 100
166 148.6 98.2 147.4#
129 93.4 80.8 121.2
131 88.0 75.5 113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

Tgt Ion:152 Resp: 148562
Ion Ratio Lower Upper
152 100
115 57.5 40.5 121.5
150 156.2 0.0 347.0

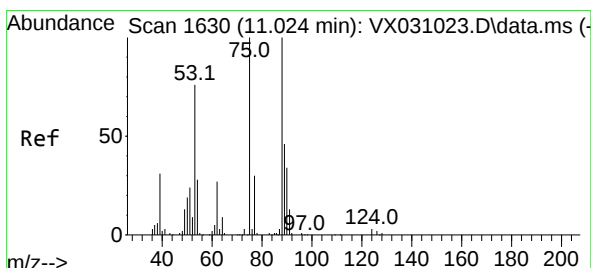
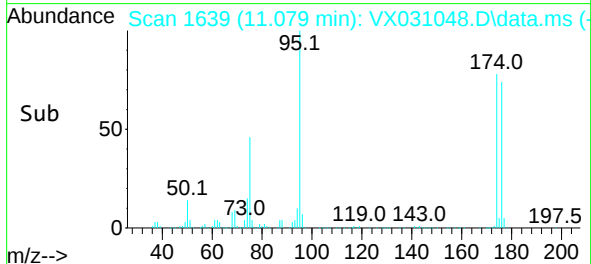
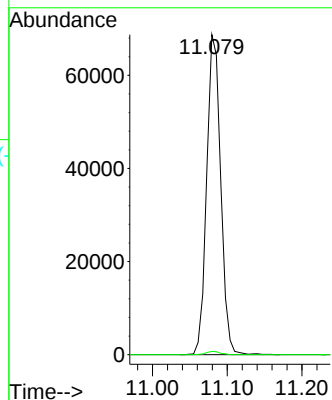
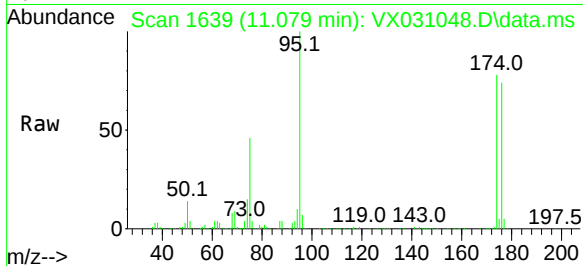




#76
1,2,3-Trichloropropane
Concen: 25.465 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220822

Tgt Ion: 75 Resp: 89429
Ion Ratio Lower Upper
75 100
77 1.0 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.029 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX031048.D
Acq: 02 Sep 2022 02:23

Tgt Ion: 75 Resp: 89429
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

