

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031093.D
 Acq On : 03 Sep 2022 19:24
 Operator : JC/MD
 Sample : N4357-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D1-20220823

Quant Time: Sep 06 00:16:17 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)

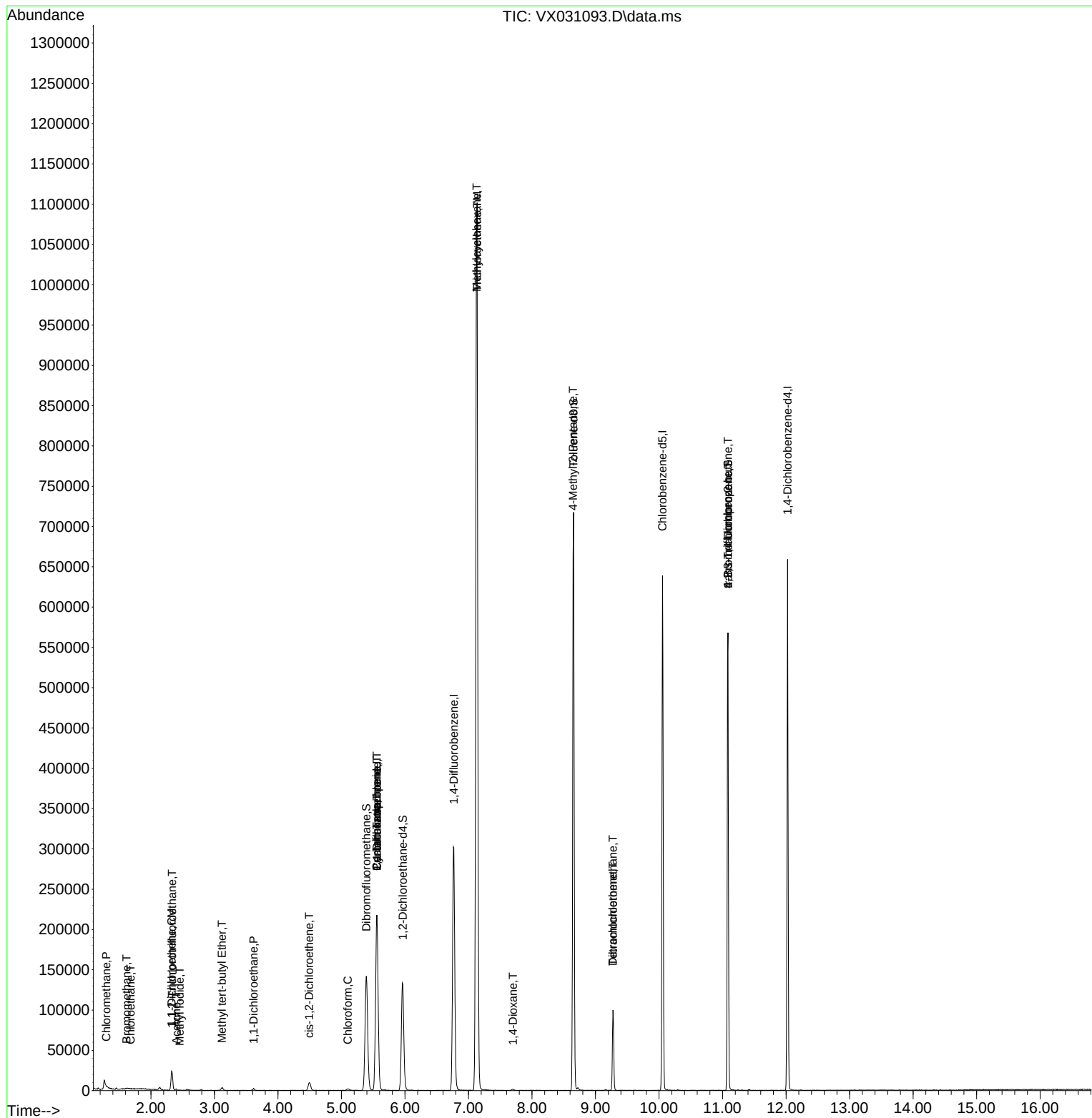
Internal Standards						
1) Pentafluorobenzene	5.556	168	217733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	338949	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	312189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	134510	48.013	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.020%		
35) Dibromofluoromethane	5.391	113	128891	52.108	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.220%		
50) Toluene-d8	8.653	98	453154	49.778	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.560%		
62) 4-Bromofluorobenzene	11.085	95	155269	48.290	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.580%		
Target Compounds						Qvalue
3) Chloromethane	1.295	50	620	0.986	ug/l #	84
5) Bromomethane	1.618	94	305	0.292	ug/l	97
6) Chloroethane	1.679	64	335	1.928	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	8393	3.204	ug/l	93
10) Methyl Iodide	2.453	142	584	3.126	ug/l #	59
12) 1,1-Dichloroethene	2.325	96	2036	0.805	ug/l	93
16) Acetone	2.398	43	954	0.882	ug/l #	34
19) Methyl tert-butyl Ether	3.117	73	4001	0.514	ug/l	99
20) Methylene Chloride	2.794	84	387	Below Cal	#	43
24) 1,1-Dichloroethane	3.617	63	2618	0.574	ug/l #	88
27) cis-1,2-Dichloroethene	4.489	96	7388	2.342	ug/l	81
30) Chloroform	5.099	83	2671	0.534	ug/l	95
31) Cyclohexane	5.556	56	3329	0.870	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	14944	4.313	ug/l #	50
38) Carbon Tetrachloride	5.556	117	20996	5.838	ug/l #	16
39) Methylcyclohexane	7.129	83	5025	1.170	ug/l #	1
44) Trichloroethene	7.135	130	465322	147.792	ug/l	90
49) 1,4-Dioxane	7.702	88	1511	20.915	ug/l	90
51) 4-Methyl-2-Pentanone	8.647	43	1550	0.512	ug/l #	1
60) Dibromochloromethane	9.275	129	18467	6.485	ug/l #	11
64) Tetrachloroethene	9.275	164	20534	6.588	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	72315	22.290	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	72315	70.053	ug/l #	13

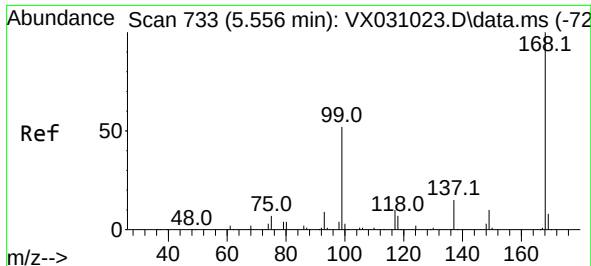
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RE125D1-20220823

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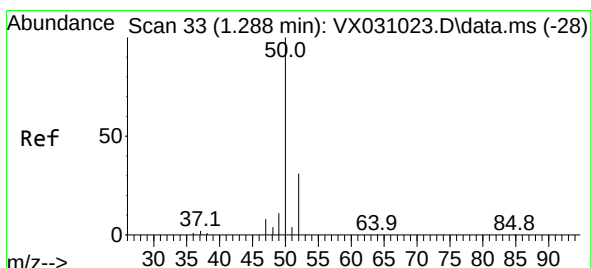
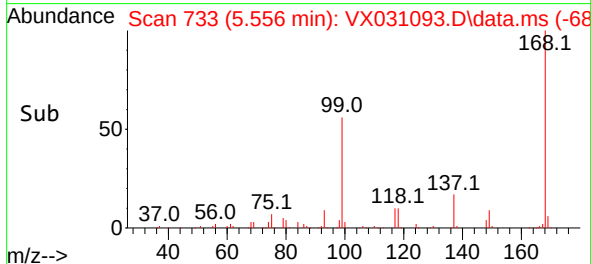
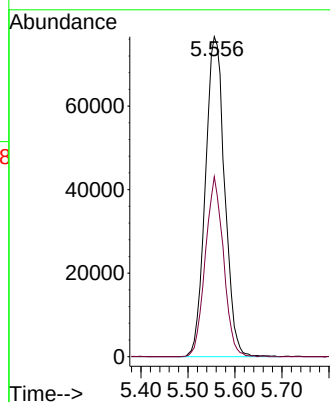
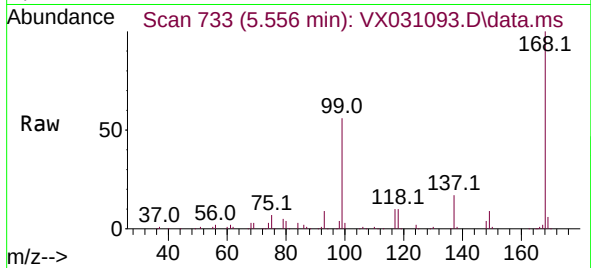




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

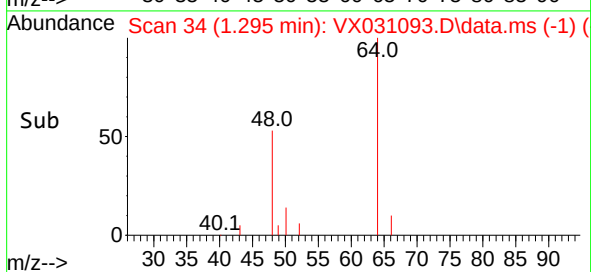
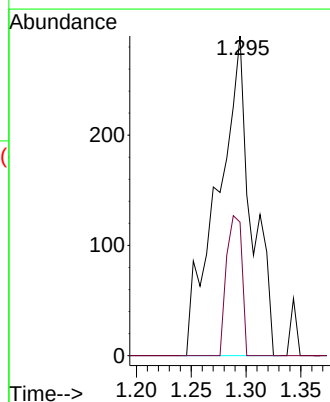
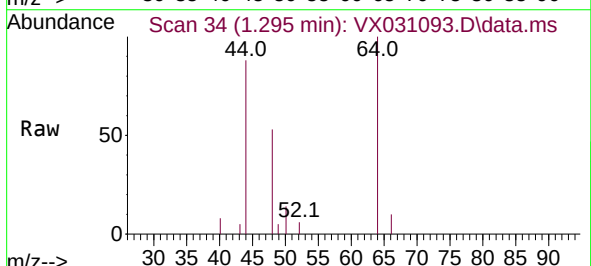
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20220823

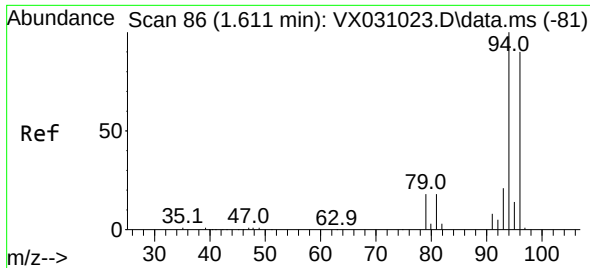
Tgt Ion:168 Resp: 217733
Ion Ratio Lower Upper
168 100
99 56.2 44.0 66.0



#3
Chloromethane
Concen: 0.986 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

Tgt Ion: 50 Resp: 620
Ion Ratio Lower Upper
50 100
52 41.7 26.3 39.5#

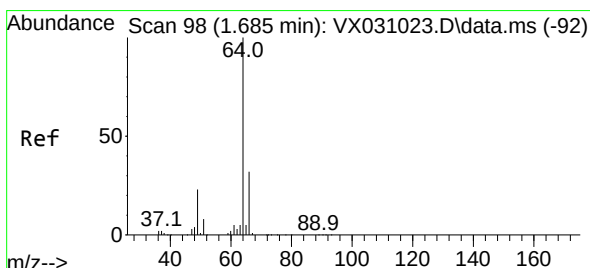
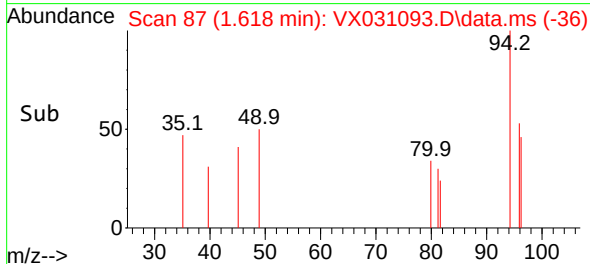
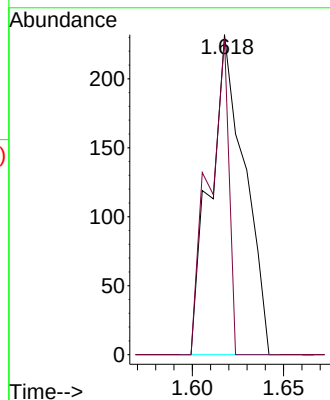
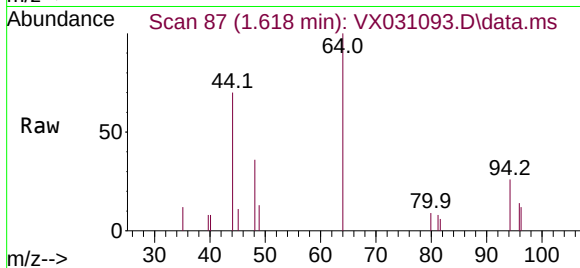




#5
Bromomethane
Concen: 0.292 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

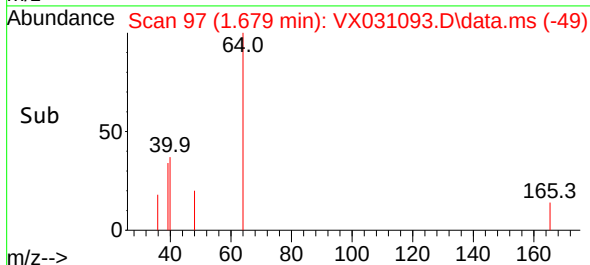
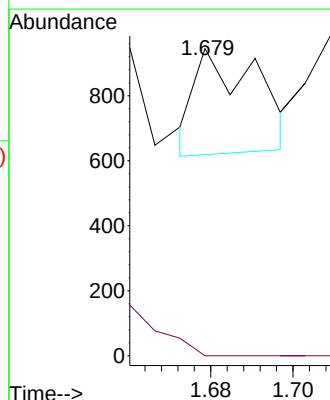
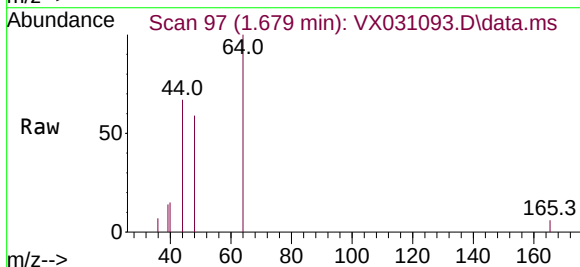
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20220823

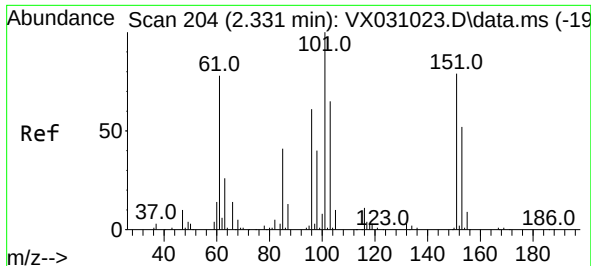
Tgt Ion: 94 Resp: 305
Ion Ratio Lower Upper
94 100
96 98.7 76.9 115.3



#6
Chloroethane
Concen: 1.928 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.006 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

Tgt Ion: 64 Resp: 335
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

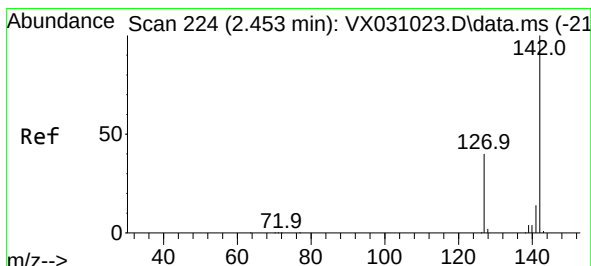
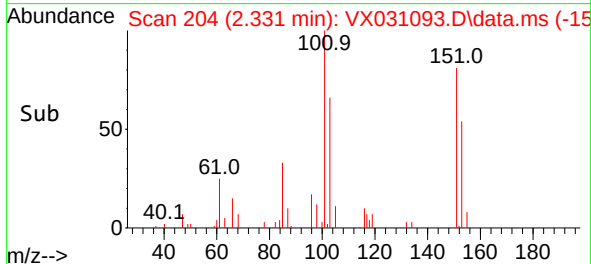
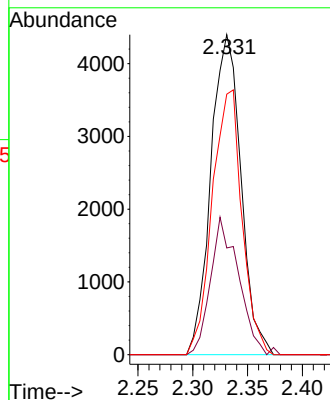
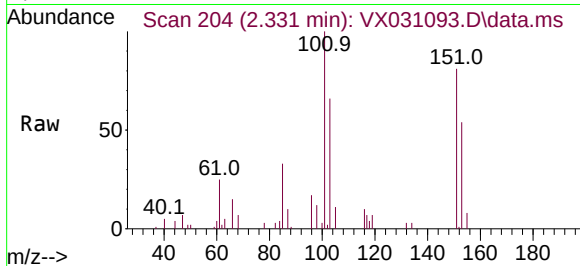




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.204 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

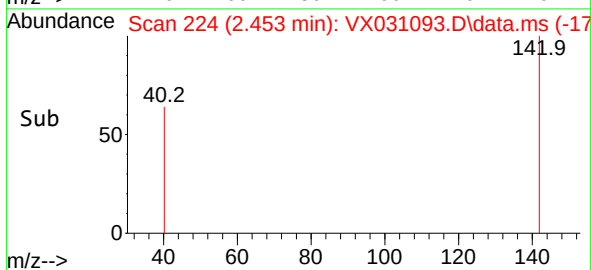
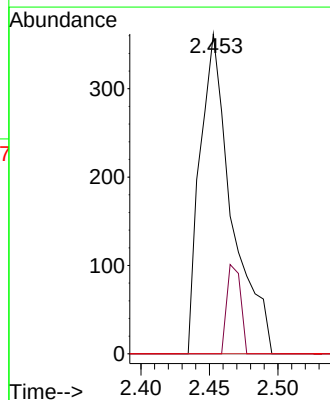
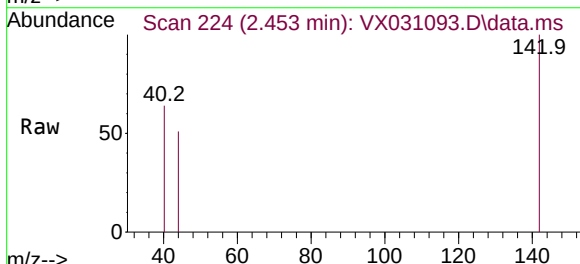
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20220823

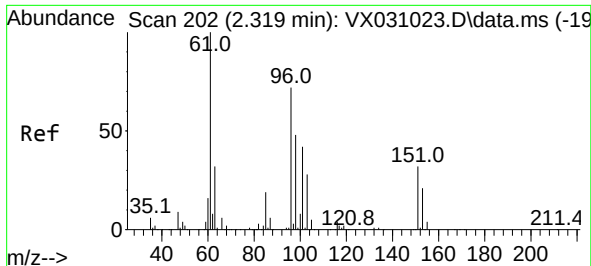
Tgt Ion:	101	Resp:	8393
Ion	Ratio	Lower	Upper
101	100		
85	40.2	34.0	51.0
151	81.6	59.4	89.0



#10
Methyl Iodide
Concen: 3.126 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

Tgt Ion:	142	Resp:	584
Ion	Ratio	Lower	Upper
142	100		
127	12.0	30.2	45.2#
141	0.0	11.3	16.9#





#12

1,1-Dichloroethene

Concen: 0.805 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX031093.D

Acq: 03 Sep 2022 19:24

Instrument :

MSVOA_X

ClientSampleId :

RE125D1-20220823

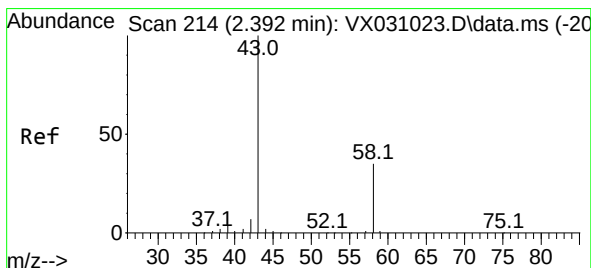
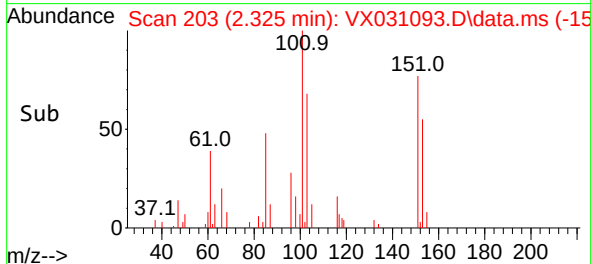
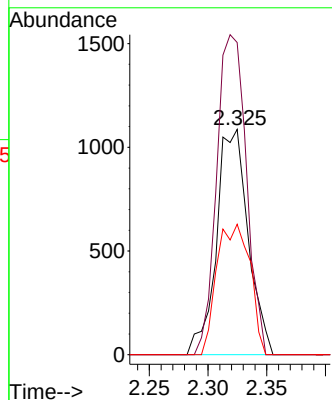
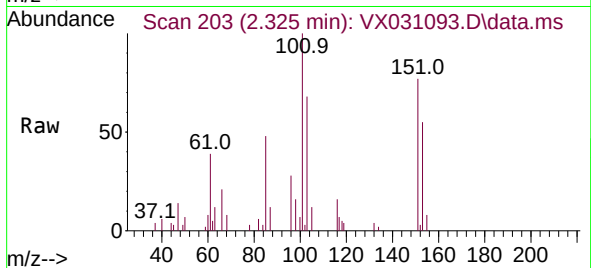
Tgt Ion: 96 Resp: 2036

Ion Ratio Lower Upper

96 100

61 138.6 117.4 176.0

98 57.9 52.2 78.4



#16

Acetone

Concen: 0.882 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.012 min

Lab File: VX031093.D

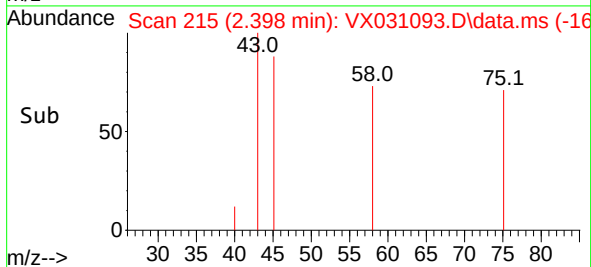
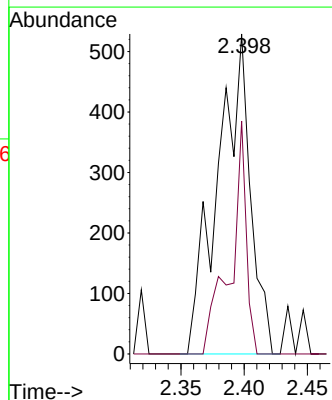
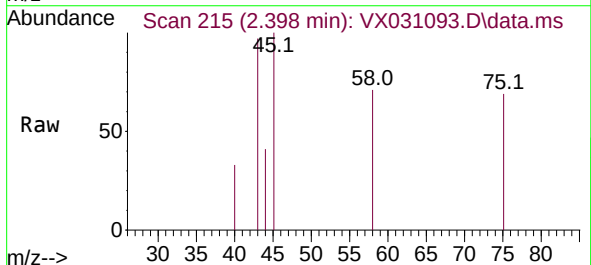
Acq: 03 Sep 2022 19:24

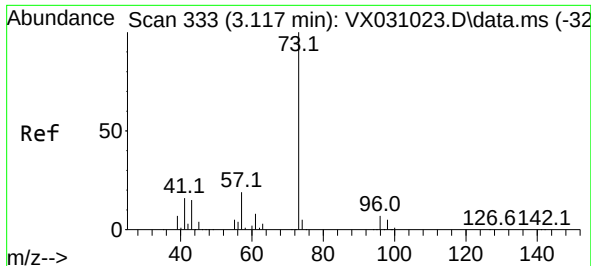
Tgt Ion: 43 Resp: 954

Ion Ratio Lower Upper

43 100

58 72.8 27.7 41.5#

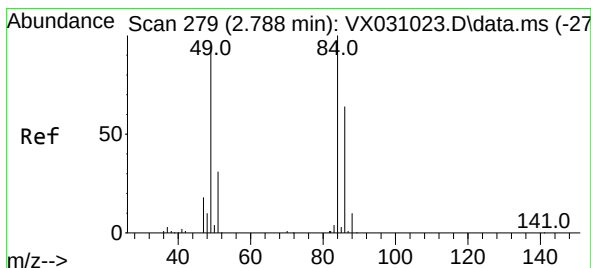
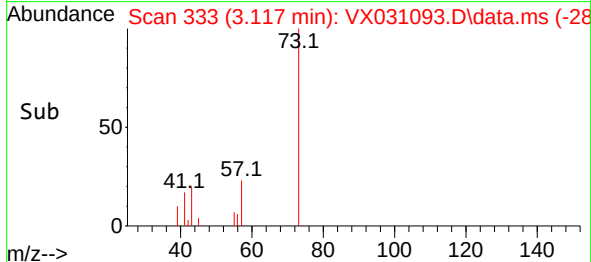
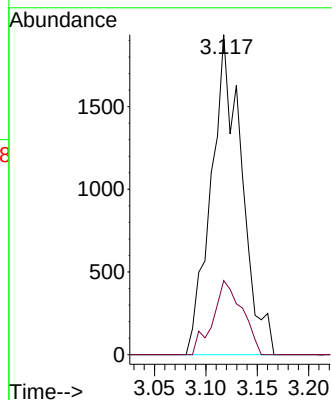
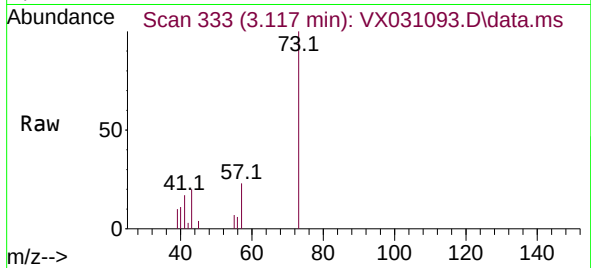




#19
Methyl tert-butyl Ether
Concen: 0.514 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

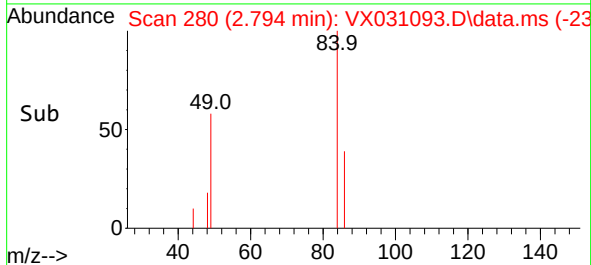
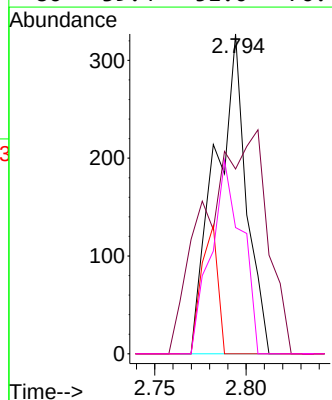
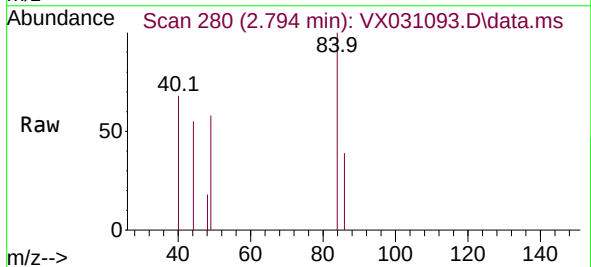
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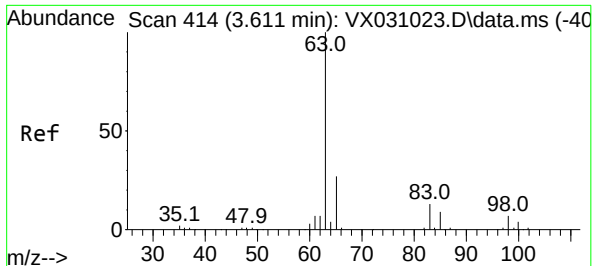
Tgt Ion: 73 Resp: 4001
Ion Ratio Lower Upper
73 100
57 23.2 19.0 28.6



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

Tgt Ion: 84 Resp: 387
Ion Ratio Lower Upper
84 100
49 41.6 93.8 140.6#
51 0.0 29.4 44.0#
86 39.4 51.0 76.4#

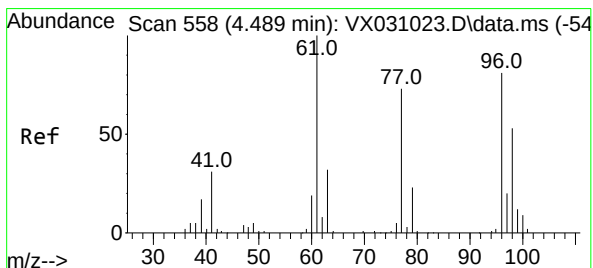
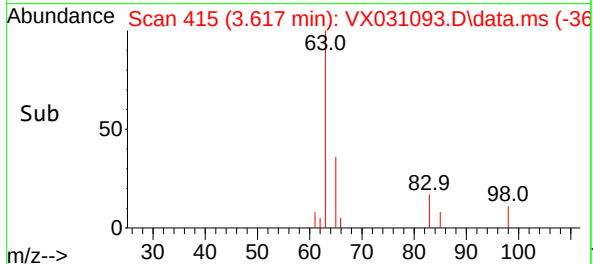
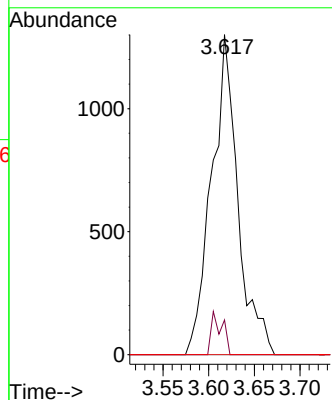
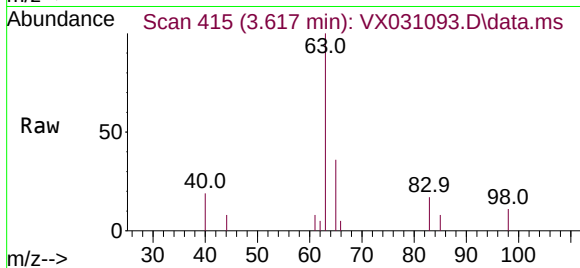




#24
1,1-Dichloroethane
Concen: 0.574 ug/l
RT: 3.617 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

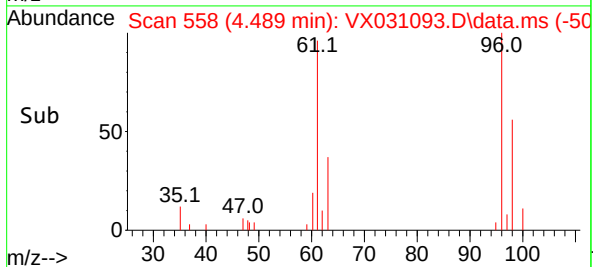
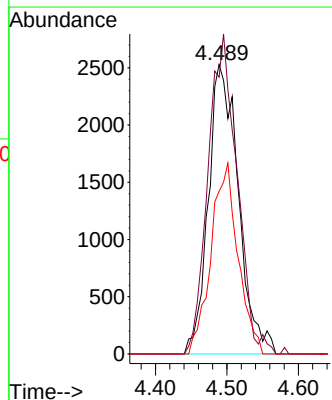
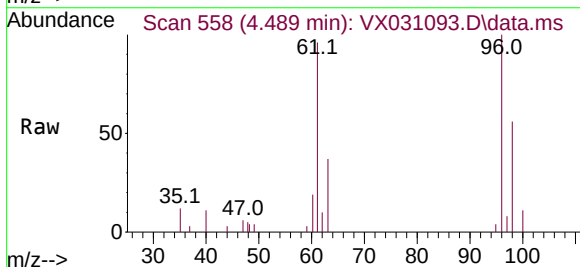
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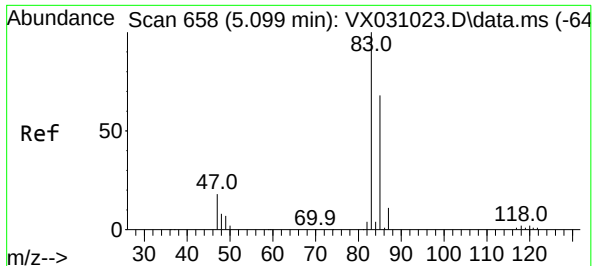
Tgt Ion: 63 Resp: 2618
Ion Ratio Lower Upper
63 100
98 10.8 3.5 10.5#
100 0.0 2.3 6.9#



#27
cis-1,2-Dichloroethene
Concen: 2.342 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

Tgt Ion: 96 Resp: 7388
Ion Ratio Lower Upper
96 100
61 104.8 0.0 270.0
98 59.1 0.0 127.8





#30

Chloroform

Concen: 0.534 ug/l

RT: 5.099 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX031093.D

Acq: 03 Sep 2022 19:24

Instrument :

MSVOA_X

ClientSampleId :

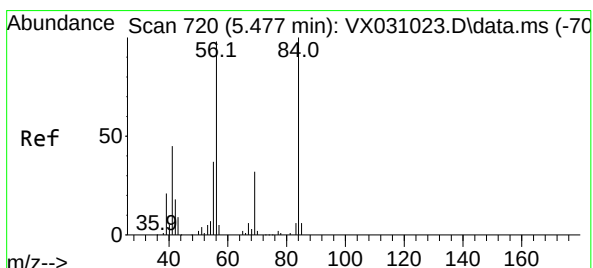
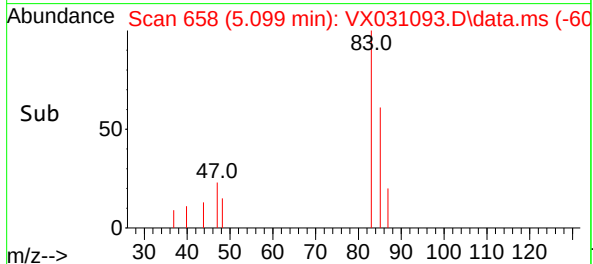
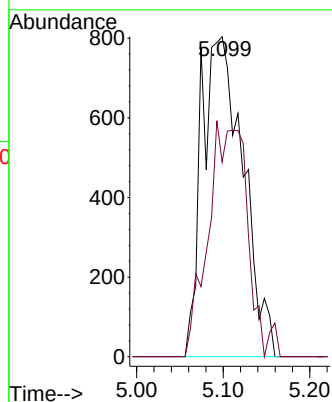
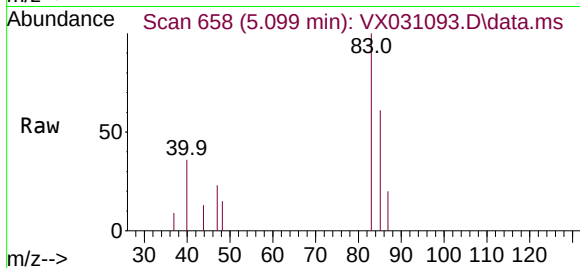
RE125D1-20220823

Tgt Ion: 83 Resp: 2671

Ion Ratio Lower Upper

83 100

85 60.8 51.5 77.3



#31

Cyclohexane

Concen: 0.870 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX031093.D

Acq: 03 Sep 2022 19:24

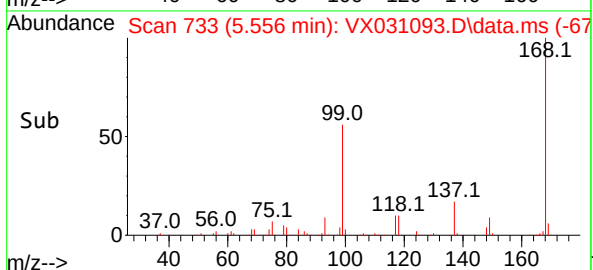
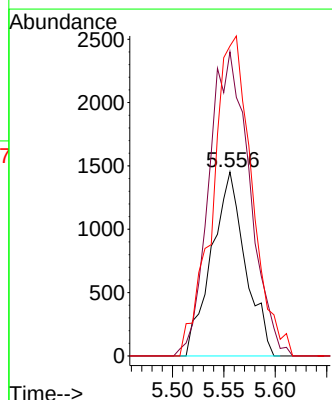
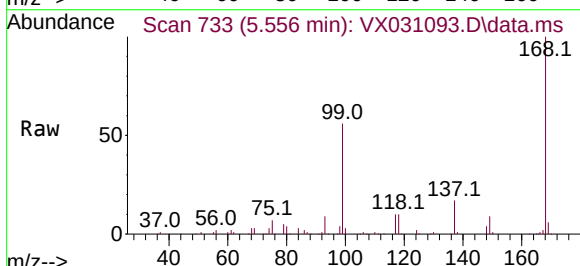
Tgt Ion: 56 Resp: 3329

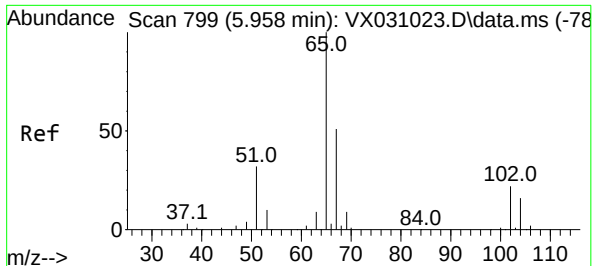
Ion Ratio Lower Upper

56 100

69 161.5 25.4 38.0#

84 168.4 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 48.013 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX031093.D

Acq: 03 Sep 2022 19:24

Instrument :

MSVOA_X

ClientSampleId :

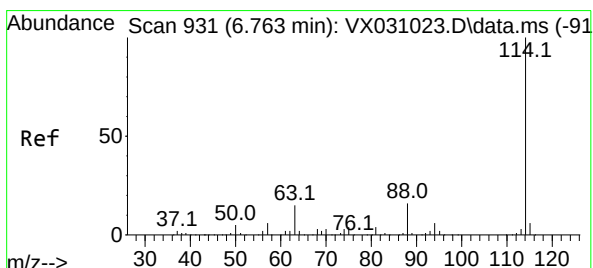
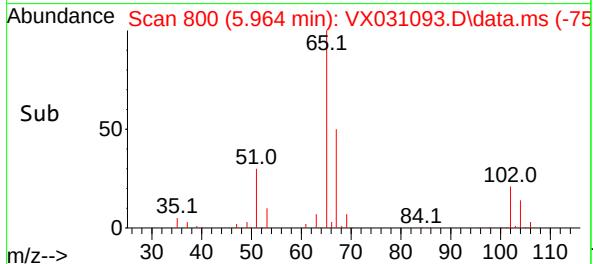
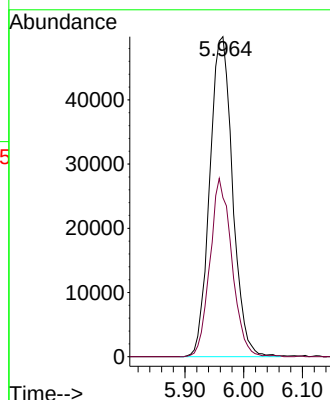
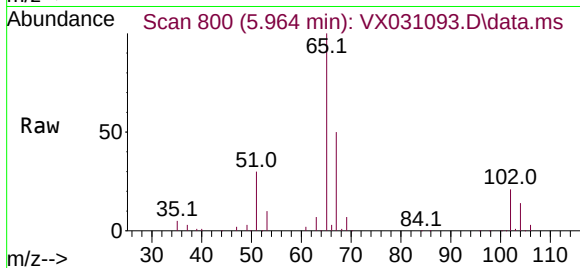
RE125D1-20220823

Tgt Ion: 65 Resp: 134510

Ion Ratio Lower Upper

65 100

67 53.5 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: VX031093.D

Acq: 03 Sep 2022 19:24

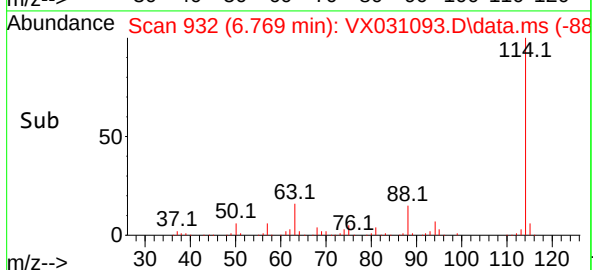
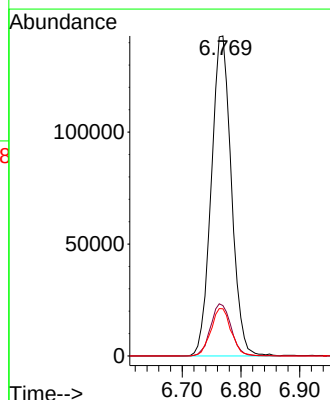
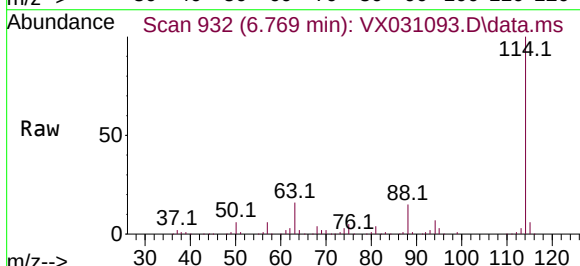
Tgt Ion: 114 Resp: 338949

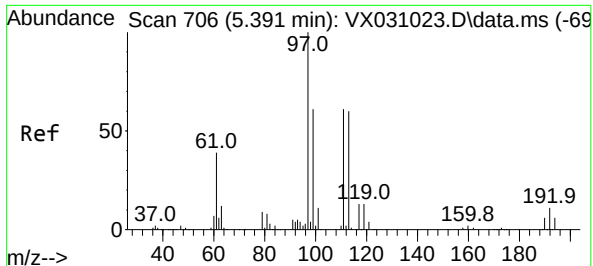
Ion Ratio Lower Upper

114 100

63 15.8 0.0 38.4

88 14.8 0.0 31.8

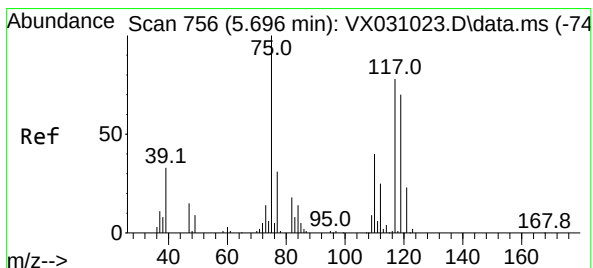
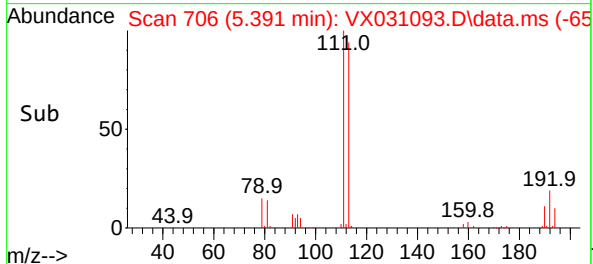
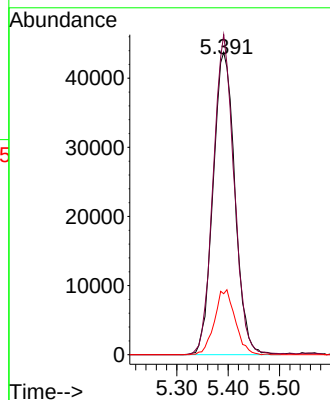
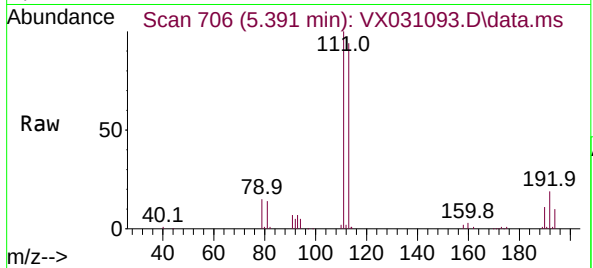




#35
Dibromofluoromethane
Concen: 52.108 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

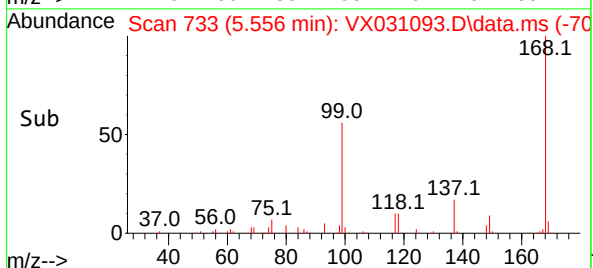
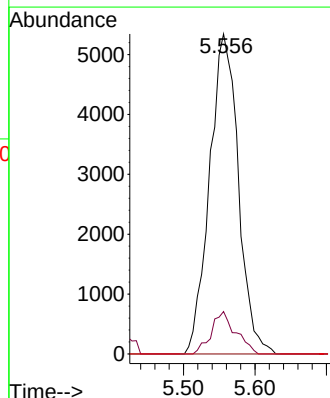
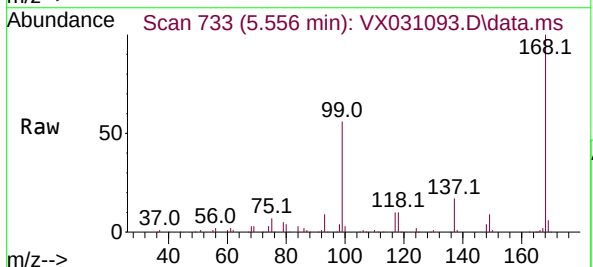
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20220823

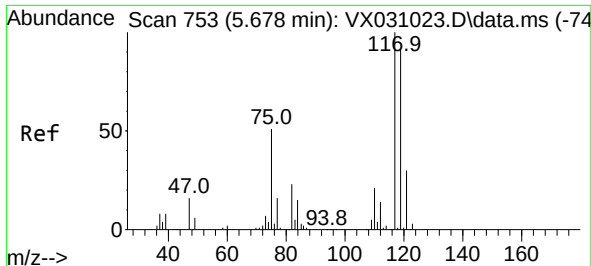
Tgt Ion:113 Resp: 128891
Ion Ratio Lower Upper
113 100
111 101.5 83.2 124.8
192 20.4 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.313 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

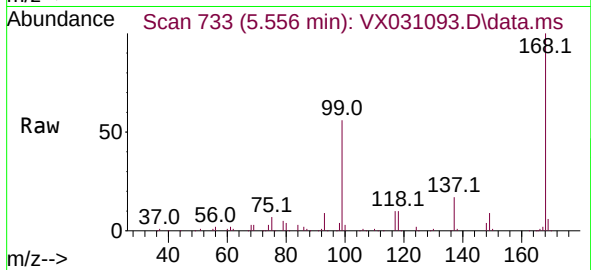
Tgt Ion: 75 Resp: 14944
Ion Ratio Lower Upper
75 100
110 11.2 19.3 57.9#
77 0.0 24.4 36.6#



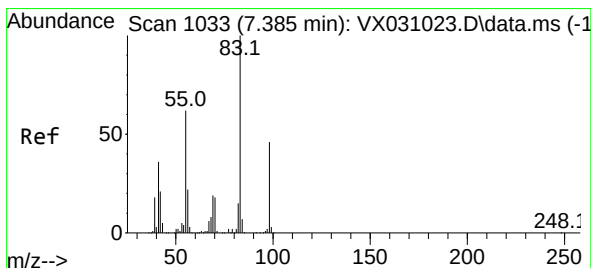
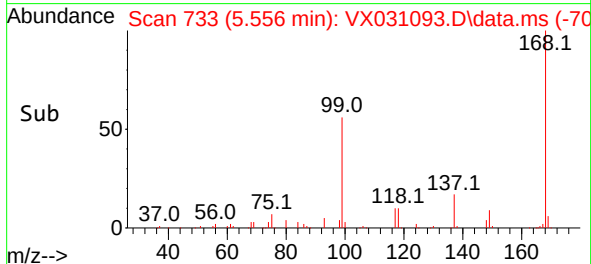
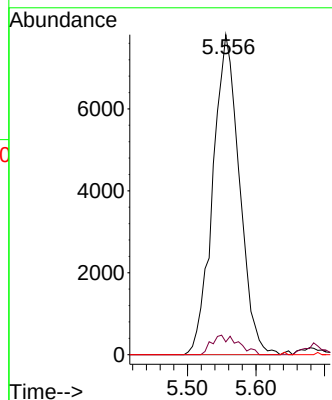


#38
Carbon Tetrachloride
Concen: 5.838 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20220823

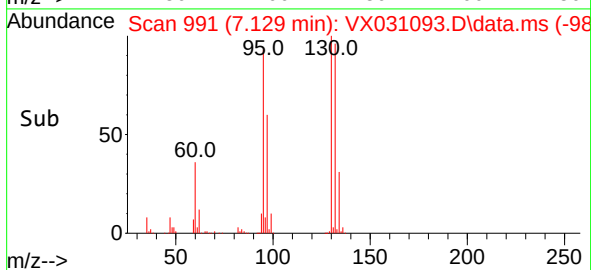
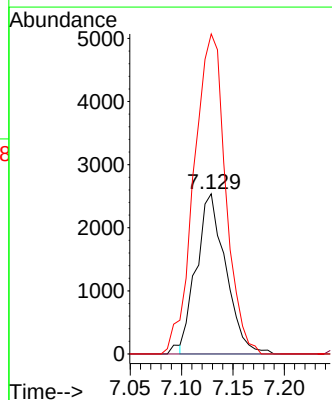
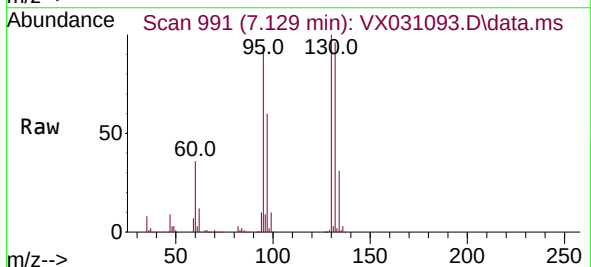


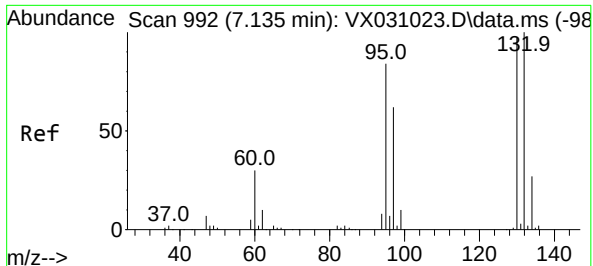
Tgt Ion:117 Resp: 20996
Ion Ratio Lower Upper
117 100
119 4.0 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 1.170 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

Tgt Ion: 83 Resp: 5025
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 199.7 36.5 54.7#

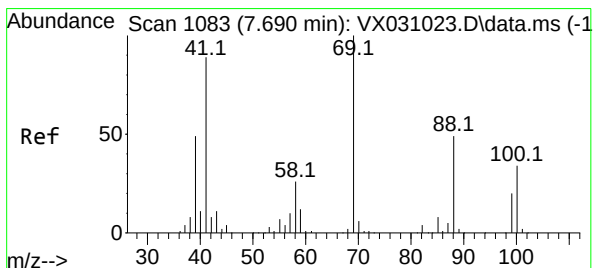
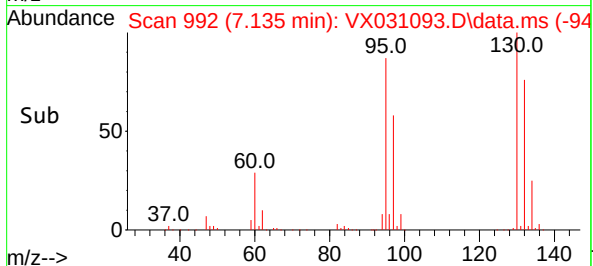
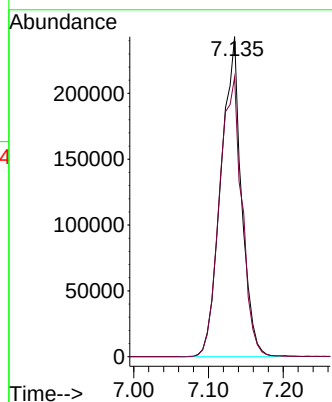
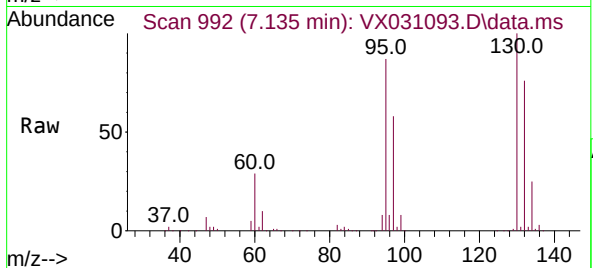




#44
Trichloroethene
Concen: 147.792 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

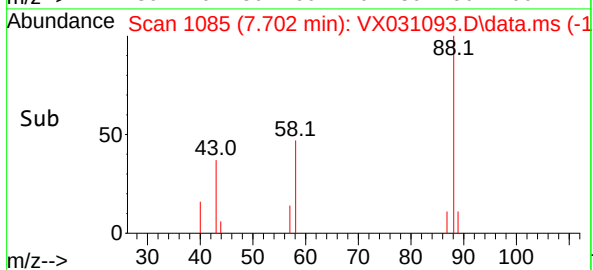
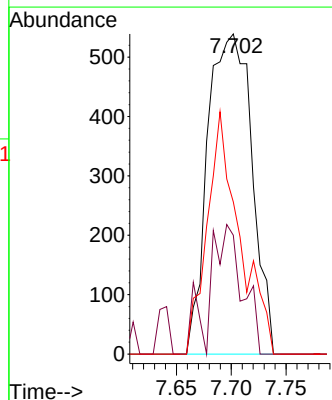
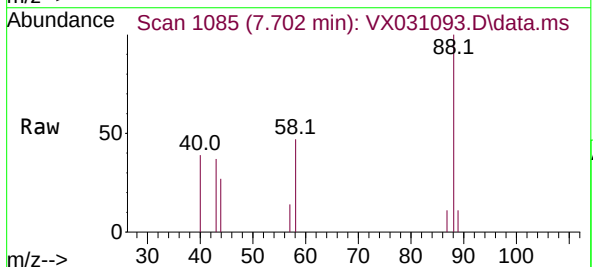
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20220823

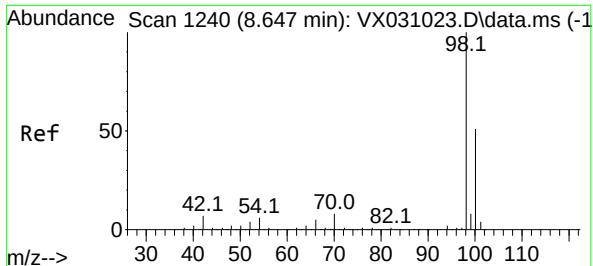
Tgt Ion:130 Resp: 465322
Ion Ratio Lower Upper
130 100
95 87.3 0.0 194.8



#49
1,4-Dioxane
Concen: 20.915 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.025 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

Tgt Ion: 88 Resp: 1511
Ion Ratio Lower Upper
88 100
43 30.3 23.8 35.8
58 55.7 53.8 80.6

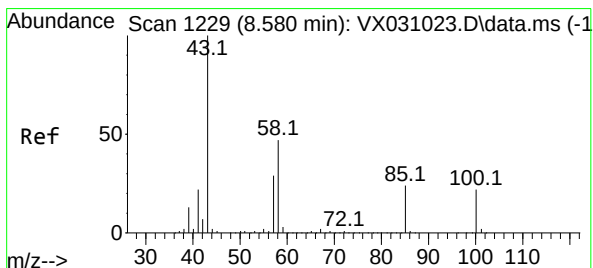
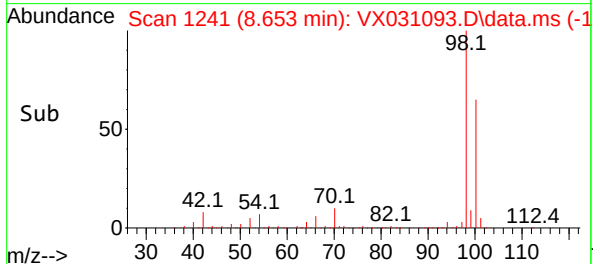
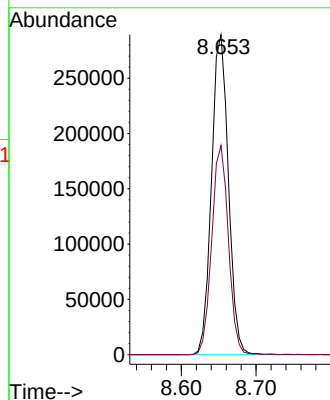
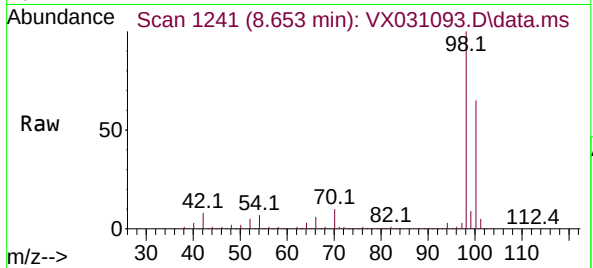




#50
Toluene-d8
Concen: 49.778 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

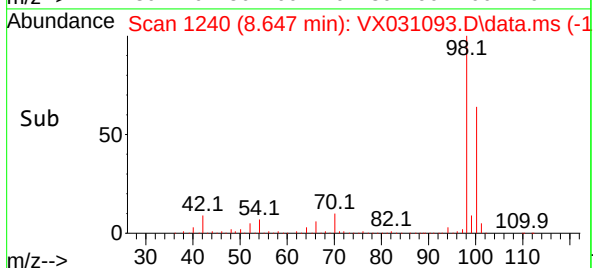
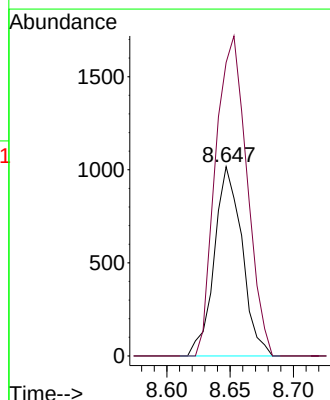
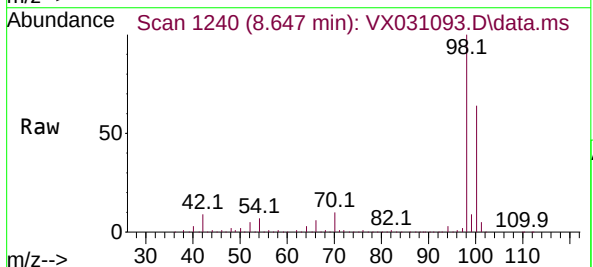
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20220823

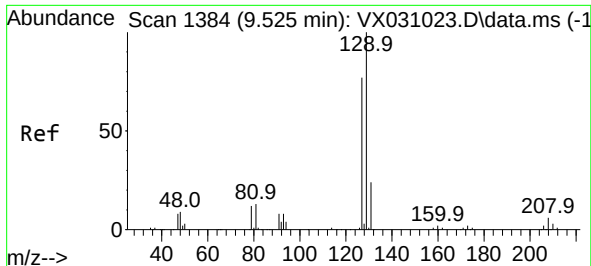
Tgt Ion: 98 Resp: 453154
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.512 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

Tgt Ion: 43 Resp: 1550
Ion Ratio Lower Upper
43 100
58 190.8 31.4 47.2#





#60

Dibromochloromethane

Concen: 6.485 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX031093.D

Acq: 03 Sep 2022 19:24

Instrument :

MSVOA_X

ClientSampleId :

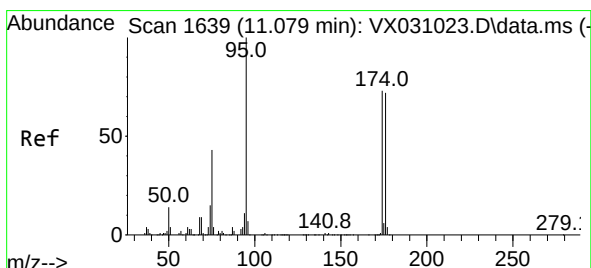
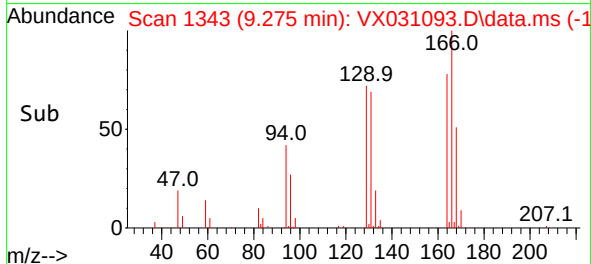
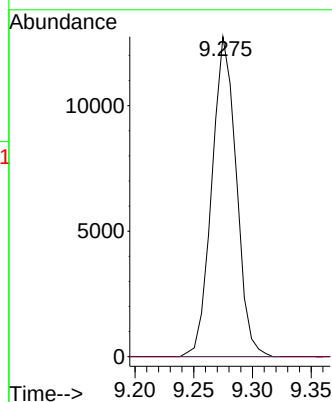
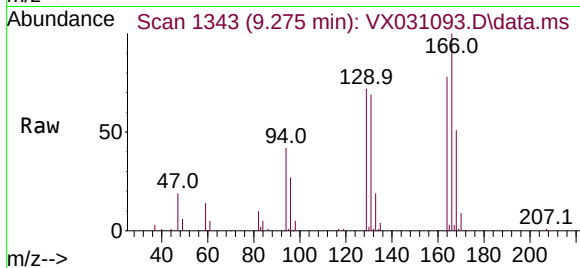
RE125D1-20220823

Tgt Ion:129 Resp: 18467

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



#62

4-Bromofluorobenzene

Concen: 48.290 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX031093.D

Acq: 03 Sep 2022 19:24

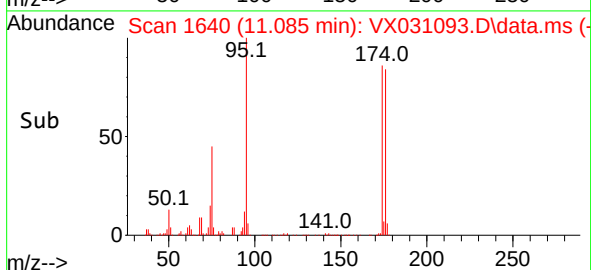
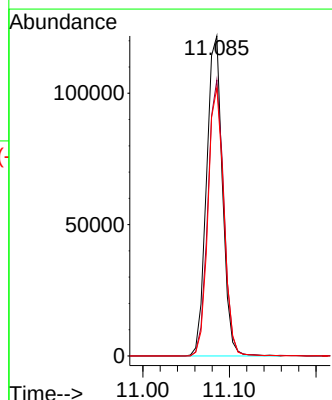
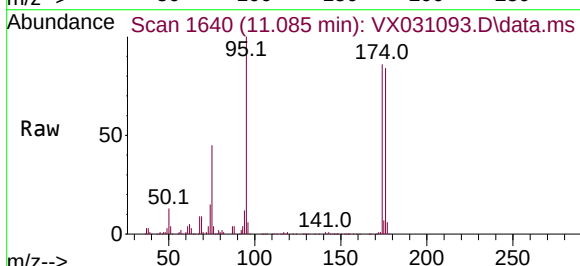
Tgt Ion: 95 Resp: 155269

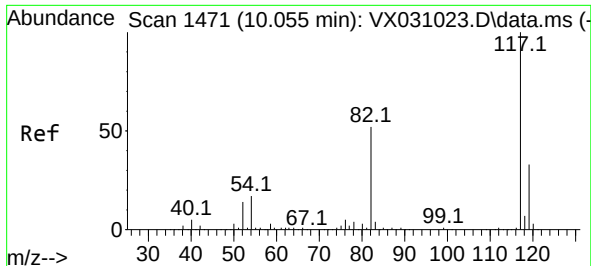
Ion Ratio Lower Upper

95 100

174 86.5 0.0 149.0

176 83.7 0.0 146.0

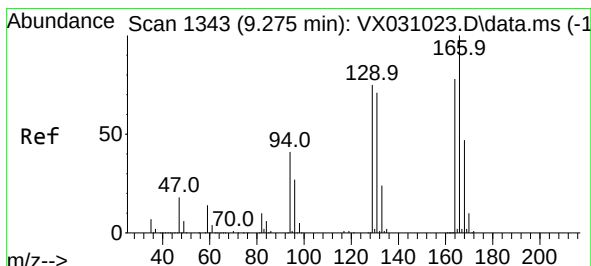
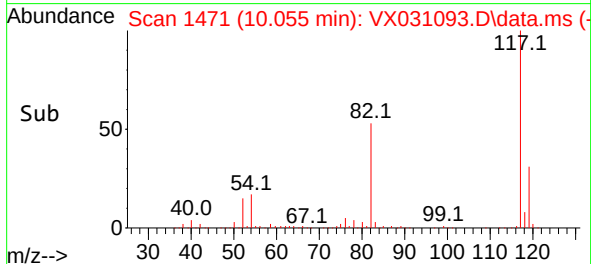
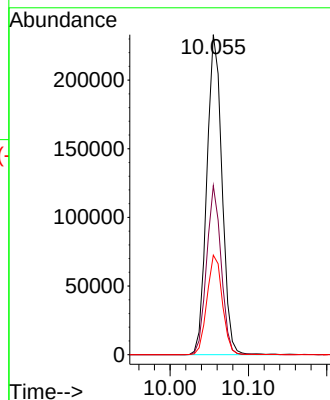
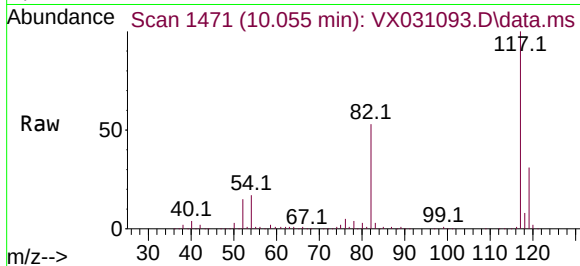




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

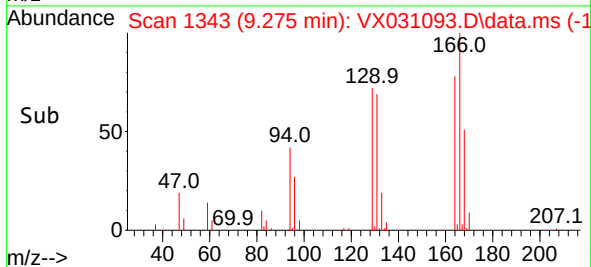
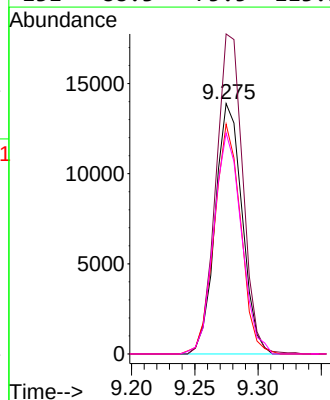
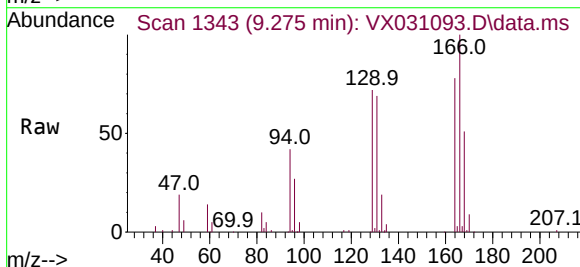
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20220823

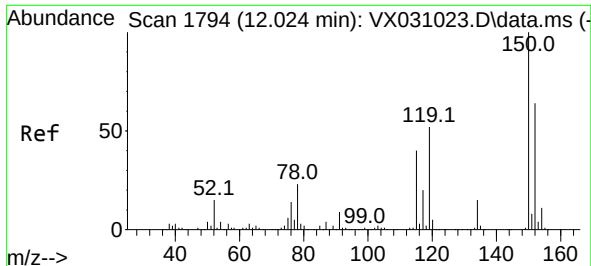
Tgt Ion:	117	Resp:	312189
Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.7	64.1
119	31.1	25.4	38.2



#64
Tetrachloroethene
Concen: 6.588 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

Tgt Ion:	164	Resp:	20534
Ion	Ratio	Lower	Upper
164	100		
166	127.8	98.2	147.4
129	91.8	80.8	121.2
131	88.3	75.5	113.3

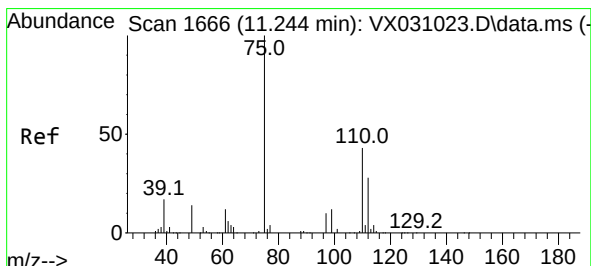
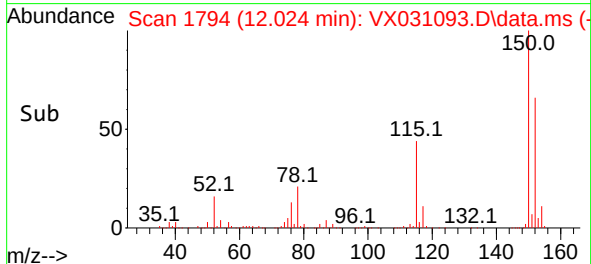
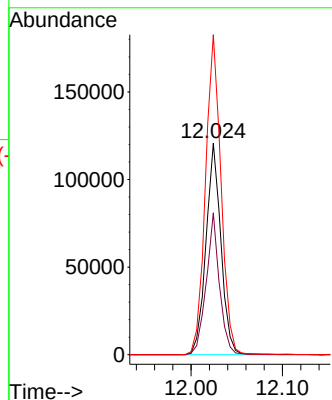
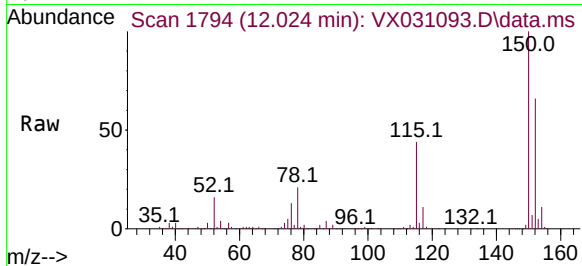




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

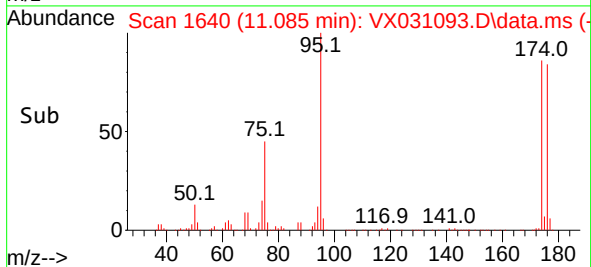
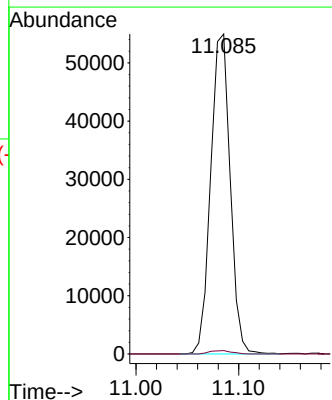
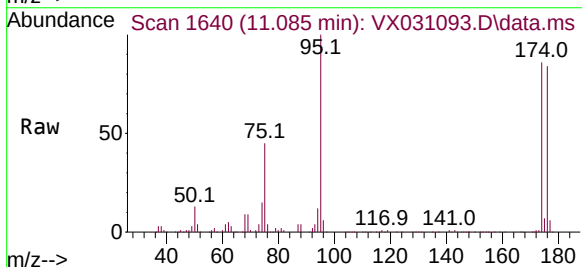
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20220823

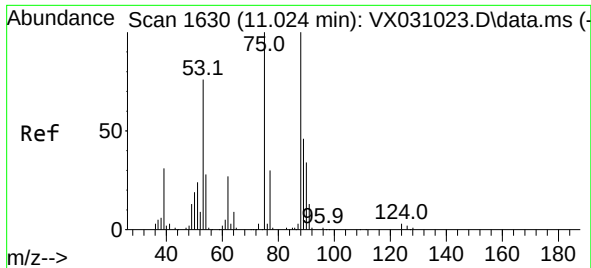
Tgt Ion:152 Resp: 137239
Ion Ratio Lower Upper
152 100
115 59.5 40.5 121.5
150 157.2 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 22.290 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX031093.D
Acq: 03 Sep 2022 19:24

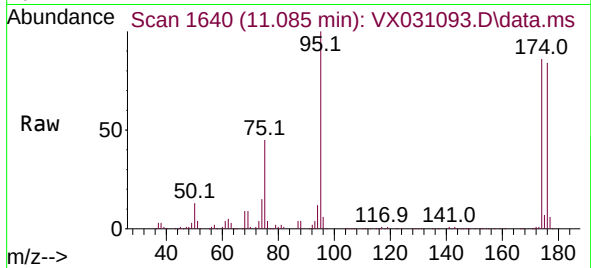
Tgt Ion: 75 Resp: 72315
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.053 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031093.D
 Acq: 03 Sep 2022 19:24

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D1-20220823



Tgt Ion: 75 Resp: 72315
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.2 34.8 52.2#

