

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062121\
 Data File : VX022805.D
 Acq On : 21 Jun 2021 19:21
 Operator : JC/MD
 Sample : M2783-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D3-20210617

Quant Time: Jun 22 01:16:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 12:20:00 2021
 Response via : Initial Calibration

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

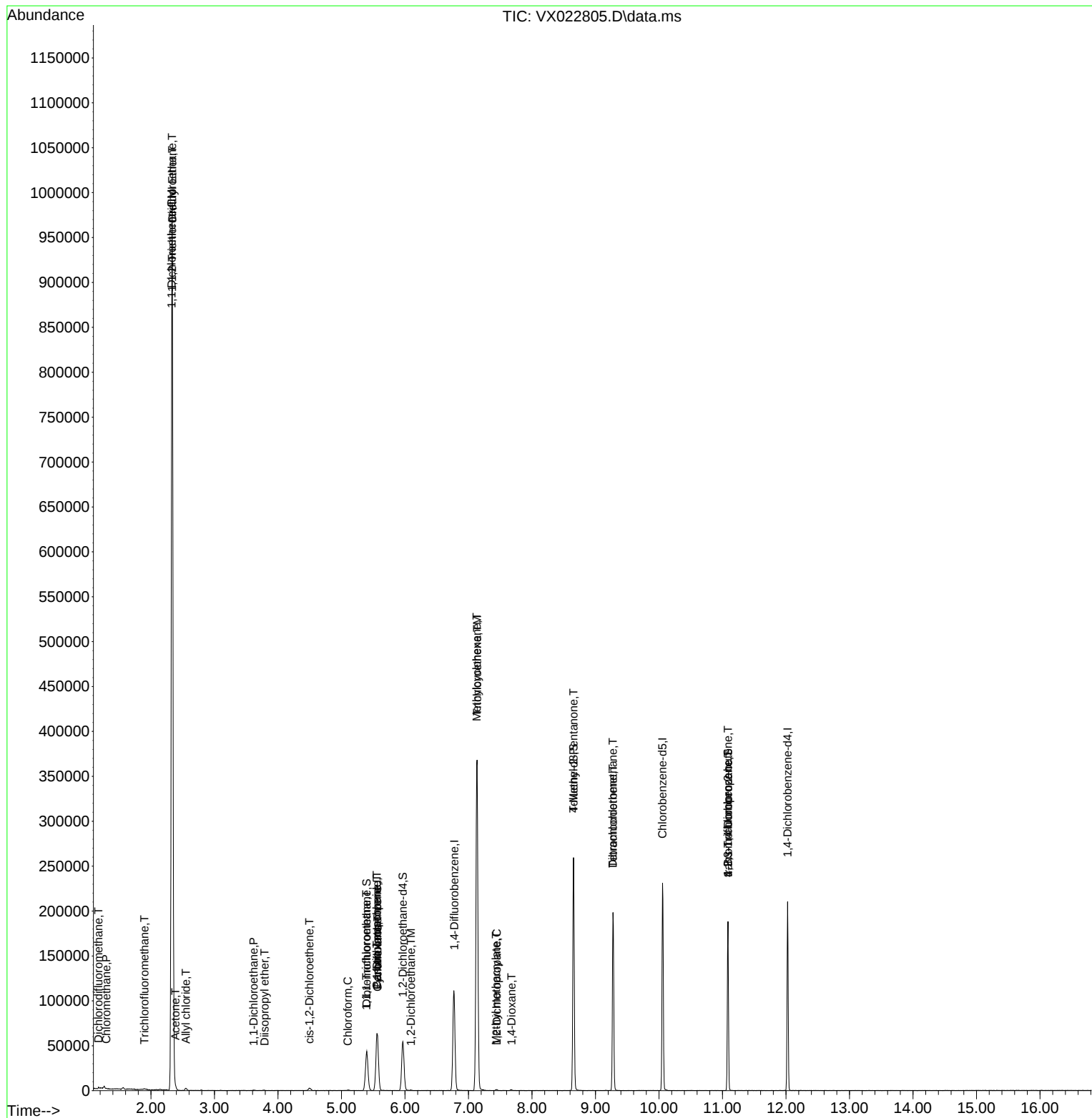
Internal Standards						
1) Pentafluorobenzene	5.562	168	53696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	108301	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	97804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	36336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	50757	52.559	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.120%	
35) Dibromofluoromethane	5.397	113	36321	52.564	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.120%	
50) Toluene-d8	8.653	98	144765	53.146	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.300%	
62) 4-Bromofluorobenzene	11.085	95	48906	47.473	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.940%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	271	0.430	ug/l	85
3) Chloromethane	1.295	50	209	0.274	ug/l #	42
7) Trichlorofluoromethane	1.898	101	223	0.207	ug/l #	81
8) Diethyl Ether	2.337	74	314	0.721	ug/l #	5
9) 1,1,2-Trichlorotrifluo...	2.331	101	385684	586.796	ug/l	90
12) 1,1-Dichloroethene	2.325	96	2860	4.387	ug/l	96
14) Allyl chloride	2.550	41	414	0.328	ug/l #	2
16) Acetone	2.386	43	1277	2.953	ug/l	91
20) Methylene Chloride	2.800	84	186	Below Cal	#	64
22) Diisopropyl ether	3.788	45	506	0.203	ug/l #	48
24) 1,1-Dichloroethane	3.617	63	448	0.310	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	1575	1.789	ug/l	97
30) Chloroform	5.099	83	468	0.324	ug/l	92
31) Cyclohexane	5.568	56	1631	1.400	ug/l #	10
32) 1,1,1-Trichloroethane	5.391	97	130	1.011	ug/l #	24
36) 1,1-Dichloropropene	5.556	75	5604	5.193	ug/l #	48
38) Carbon Tetrachloride	5.556	117	6521	7.065	ug/l #	14
39) Methylcyclohexane	7.129	83	1843	1.637	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	554	0.469	ug/l #	73
44) Trichloroethene	7.135	130	126373	167.684	ug/l	94
45) 1,2-Dichloropropane	7.446	63	490	0.566	ug/l #	43
48) Methyl methacrylate	7.434	41	294	0.283	ug/l #	1
49) 1,4-Dioxane	7.678	88	687	34.714	ug/l #	91
51) 4-Methyl-2-Pentanone	8.653	43	732	0.532	ug/l #	1
60) Dibromochloromethane	9.275	129	33512	42.257	ug/l #	11
64) Tetrachloroethene	9.275	164	31388	50.748	ug/l #	87
76) 1,2,3-Trichloropropane	11.085	75	26868	27.888	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	26868	69.527	ug/l #	12

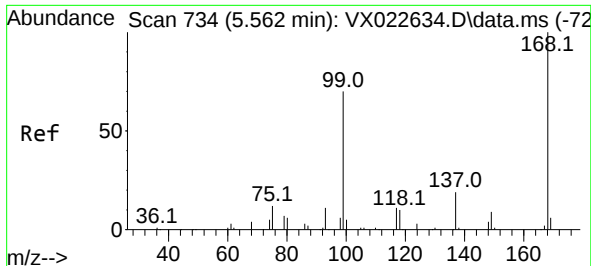
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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RE134D3-20210617

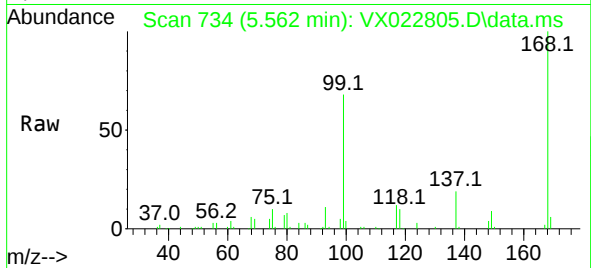
Quant Time: Jun 22 01:16:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061021W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 10 12:20:00 2021
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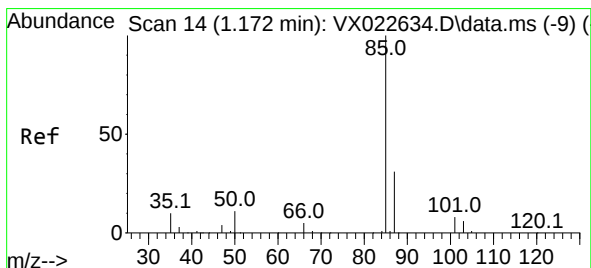
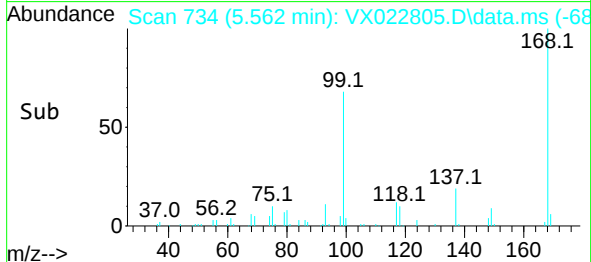
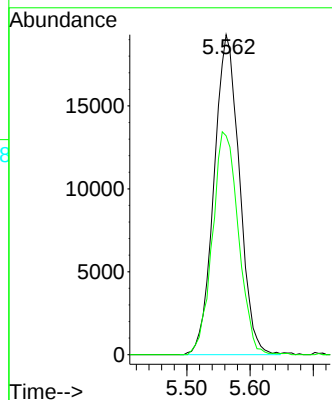


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20210617

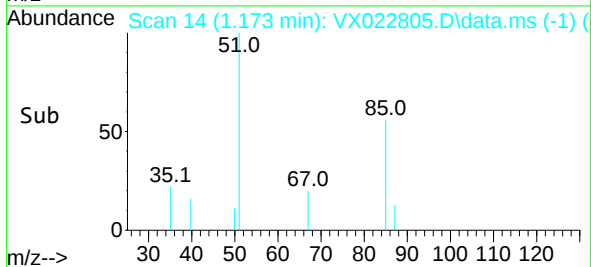
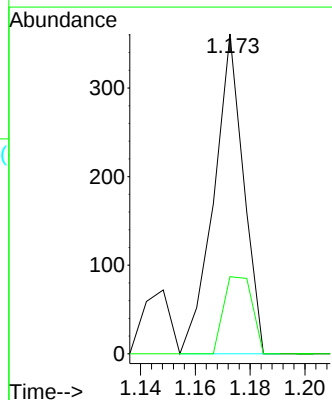
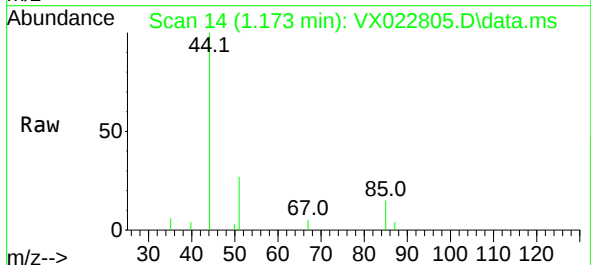


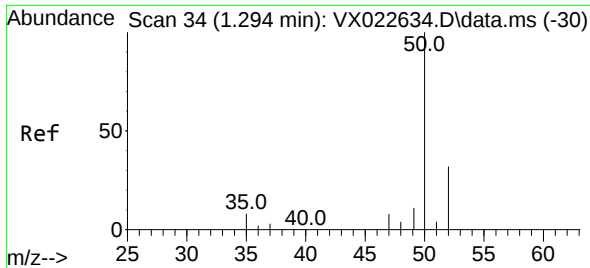
Tgt Ion:168 Resp: 53696
Ion Ratio Lower Upper
168 100
99 68.4 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.430 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.007 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

Tgt Ion: 85 Resp: 271
Ion Ratio Lower Upper
85 100
87 24.1 16.4 49.2

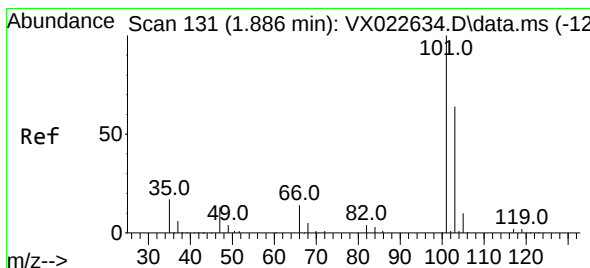
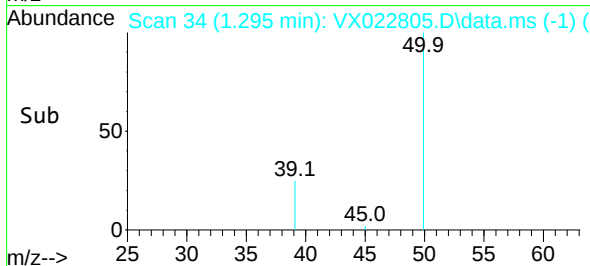
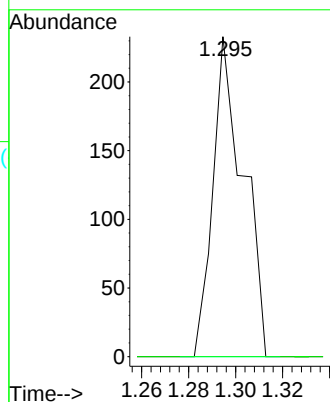
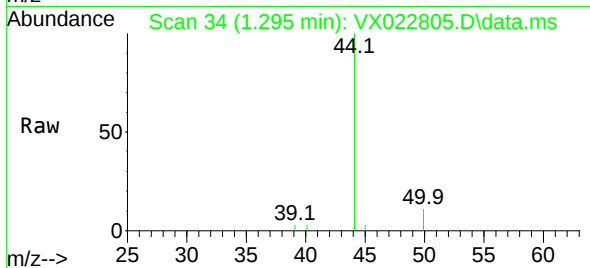




#3
Chloromethane
Concen: 0.274 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

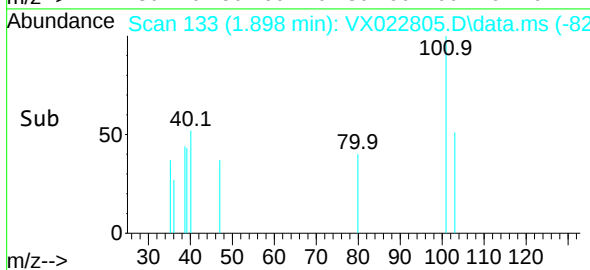
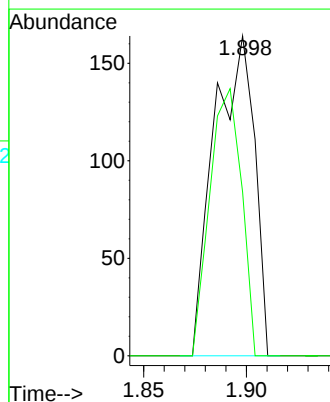
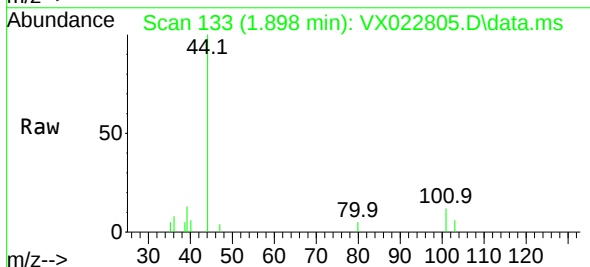
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20210617

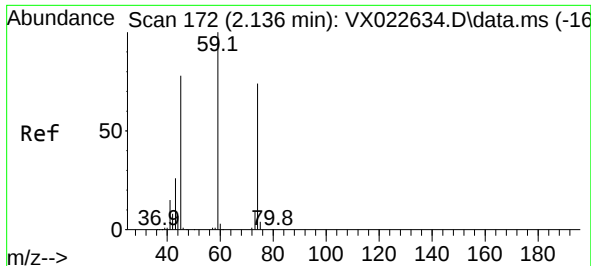
Tgt Ion: 50 Resp: 209
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#7
Trichlorofluoromethane
Concen: 0.207 ug/l
RT: 1.898 min Scan# 133
Delta R.T. 0.012 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

Tgt Ion: 101 Resp: 223
Ion Ratio Lower Upper
101 100
103 51.2 53.2 79.8#

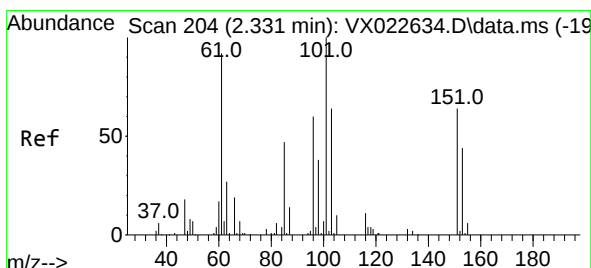
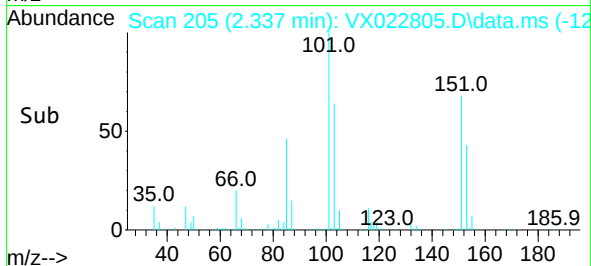
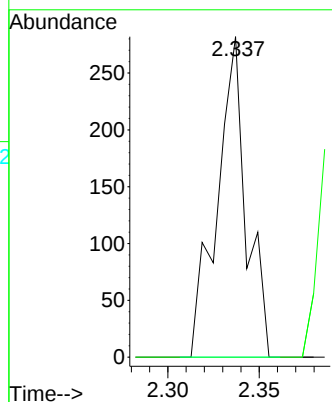
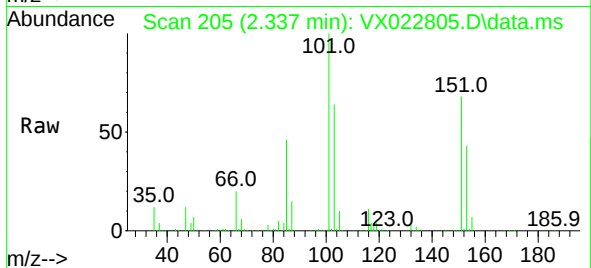




#8
Diethyl Ether
Concen: 0.721 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.195 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

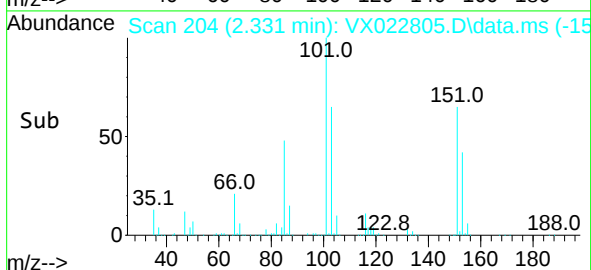
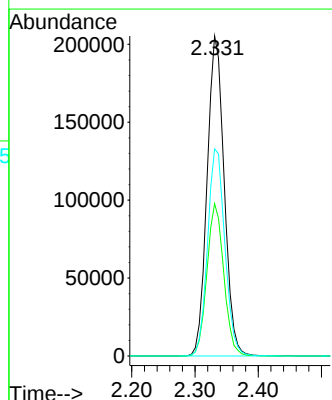
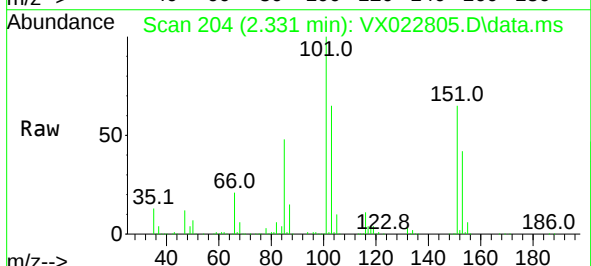
Instrument :
MSVOA_X
ClientSampleId :
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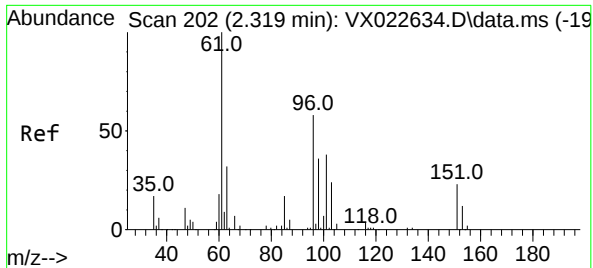
Tgt Ion: 74 Resp: 314
Ion Ratio Lower Upper
74 100
45 0.0 44.5 133.5#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 586.796 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

Tgt Ion:101 Resp: 385684
Ion Ratio Lower Upper
101 100
85 47.0 34.9 52.3
151 65.7 61.4 92.2





#12

1,1-Dichloroethene

Concen: 4.387 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX022805.D

Acq: 21 Jun 2021 19:21

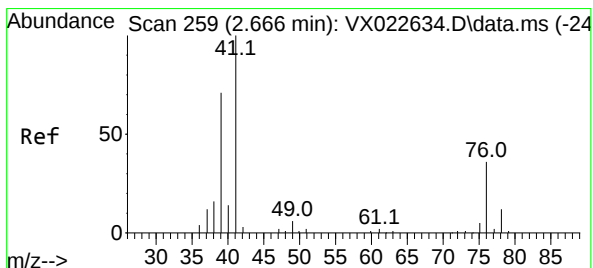
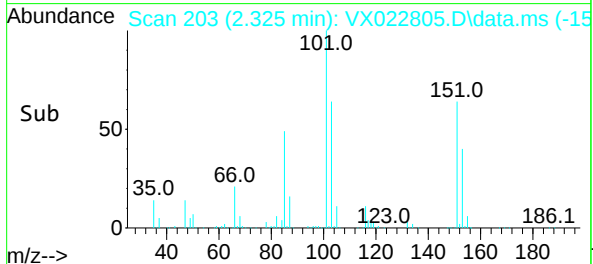
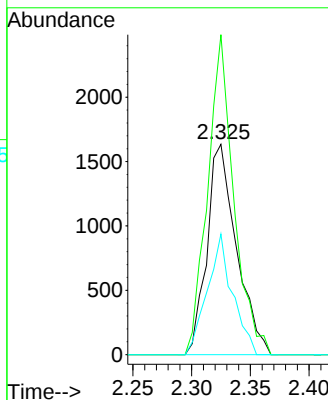
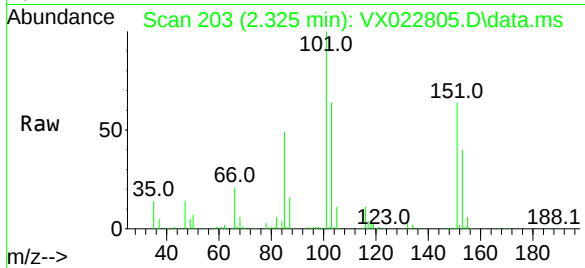
Tgt Ion: 96 Resp: 2860

Ion Ratio Lower Upper

96 100

61 152.0 124.6 187.0

98 57.3 50.6 76.0



#14

Allyl chloride

Concen: 0.328 ug/l

RT: 2.550 min Scan# 240

Delta R.T. -0.116 min

Lab File: VX022805.D

Acq: 21 Jun 2021 19:21

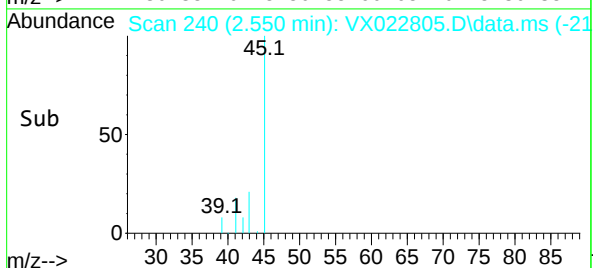
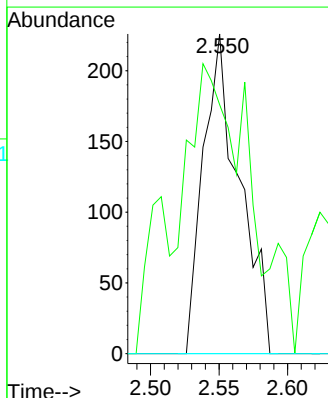
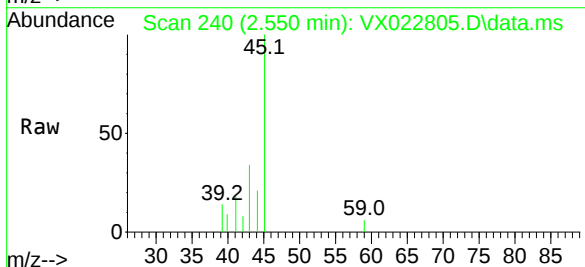
Tgt Ion: 41 Resp: 414

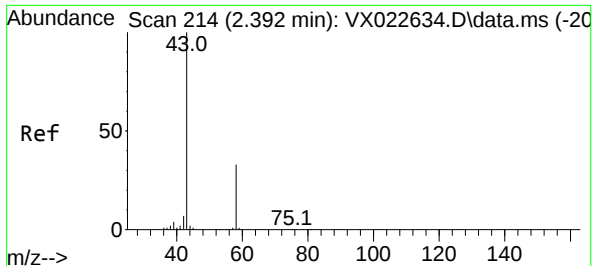
Ion Ratio Lower Upper

41 100

39 158.2 51.6 77.4#

76 0.0 30.5 45.7#

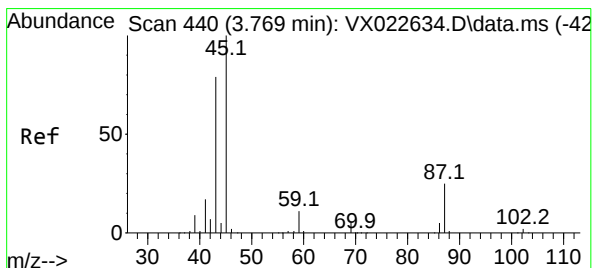
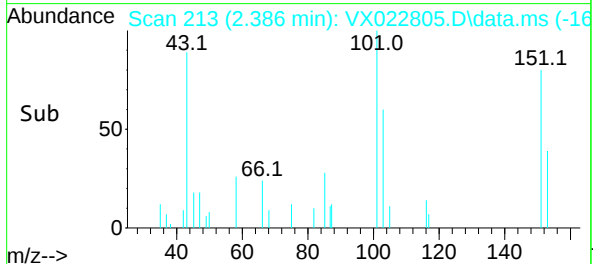
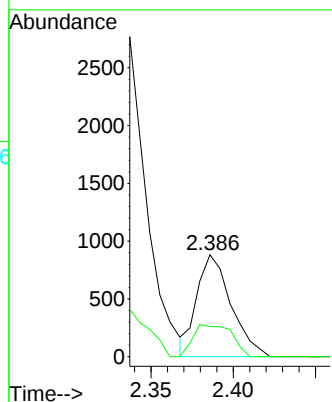
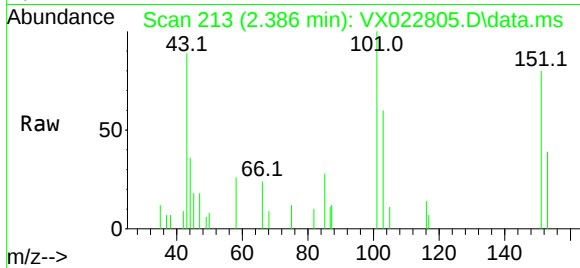




#16
Acetone
Concen: 2.953 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

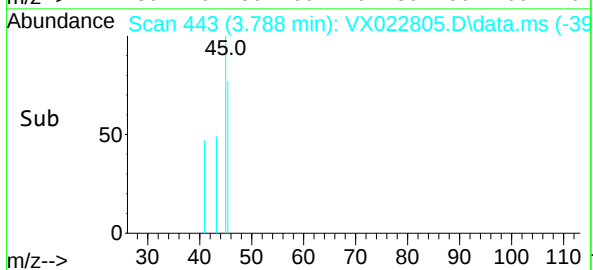
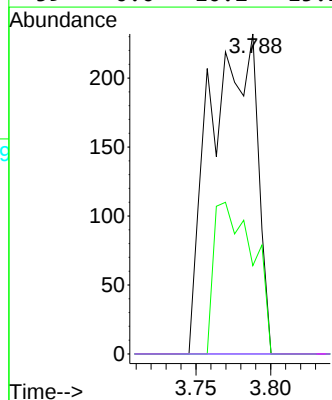
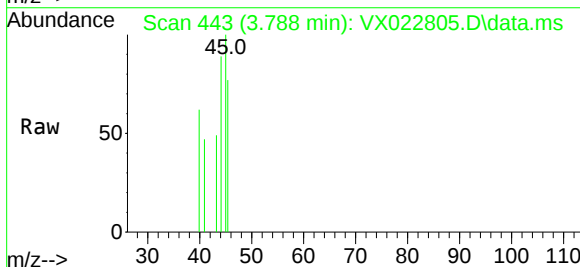
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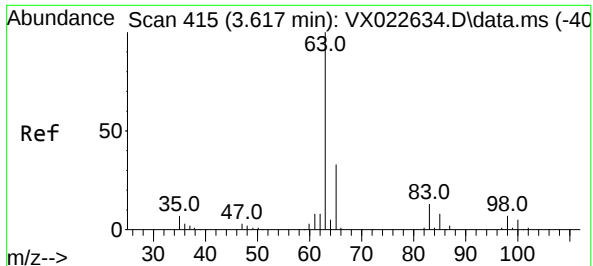
Tgt Ion: 43 Resp: 1277
Ion Ratio Lower Upper
43 100
58 29.7 27.8 41.8



#22
Diisopropyl ether
Concen: 0.203 ug/l
RT: 3.788 min Scan# 443
Delta R.T. 0.018 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

Tgt Ion: 45 Resp: 506
Ion Ratio Lower Upper
45 100
43 27.6 58.0 87.0#
87 0.0 25.4 38.0#
59 0.0 10.2 15.2#

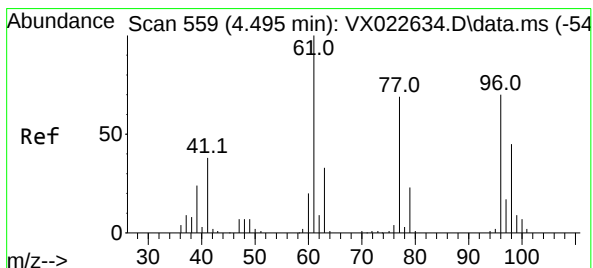
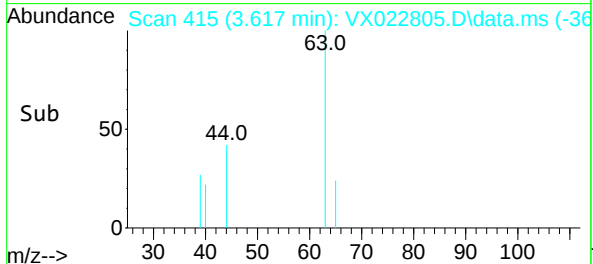
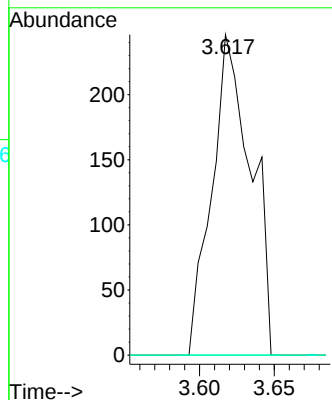
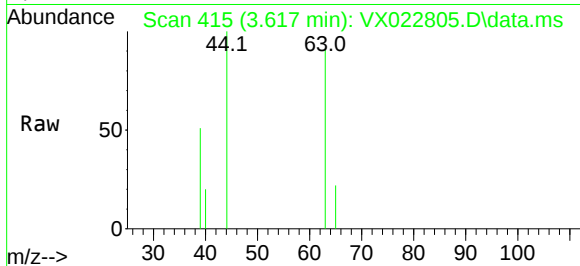




#24
1,1-Dichloroethane
Concen: 0.310 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

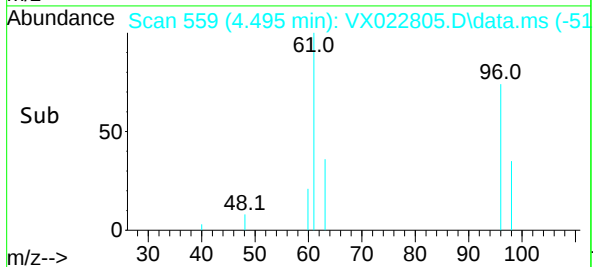
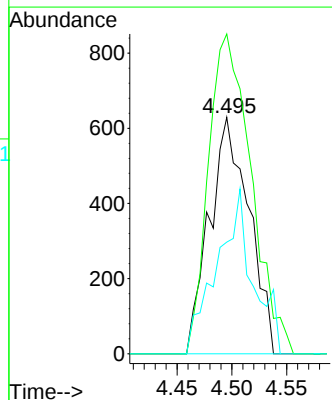
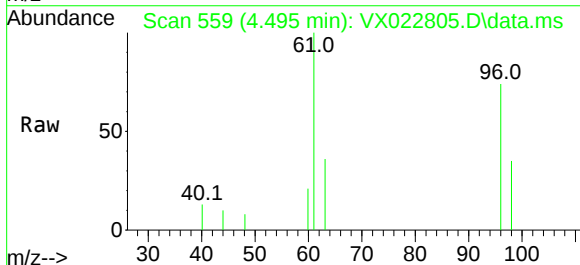
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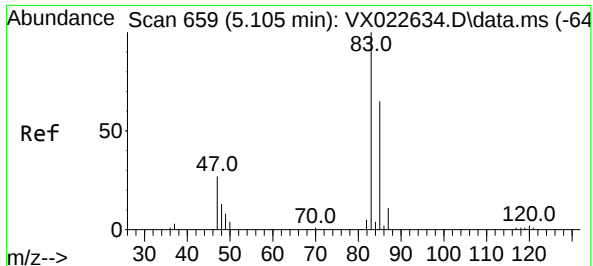
Tgt Ion: 63 Resp: 448
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 1.789 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

Tgt Ion: 96 Resp: 1575
Ion Ratio Lower Upper
96 100
61 146.3 0.0 285.6
98 63.4 0.0 129.6

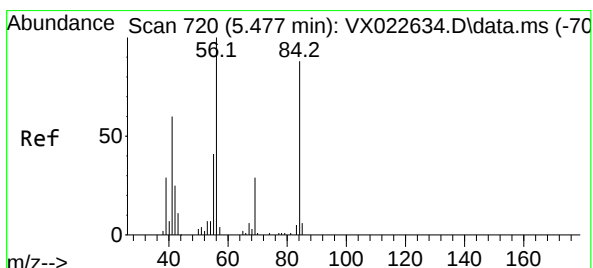
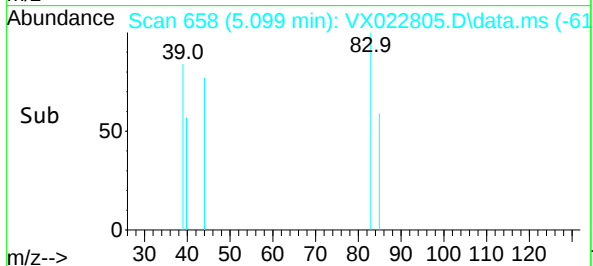
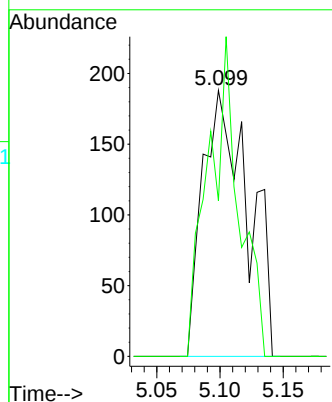
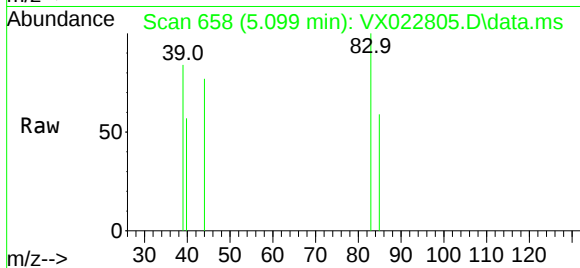




#30
Chloroform
Concen: 0.324 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

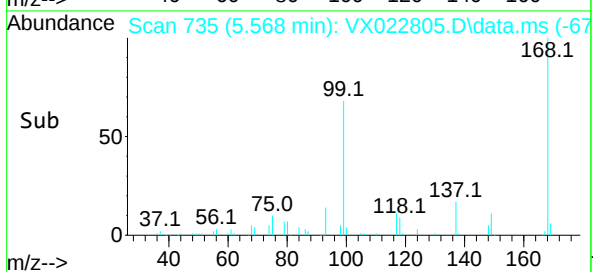
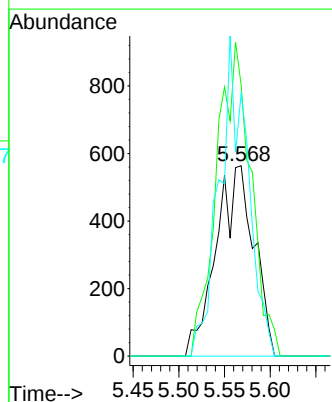
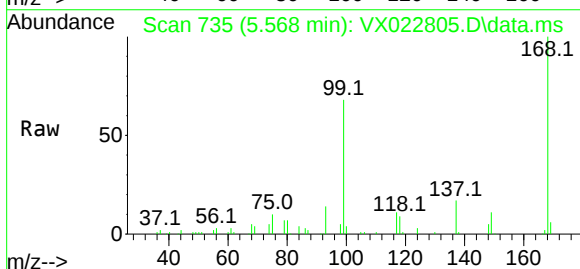
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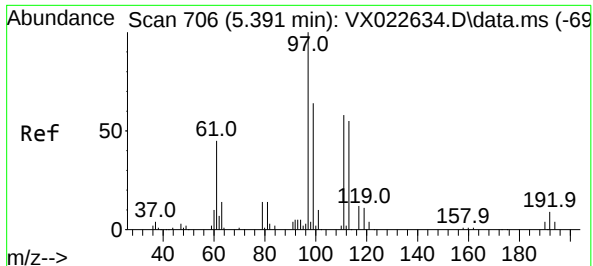
Tgt Ion: 83 Resp: 468
Ion Ratio Lower Upper
83 100
85 58.5 52.0 78.0



#31
Cyclohexane
Concen: 1.400 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

Tgt Ion: 56 Resp: 1631
Ion Ratio Lower Upper
56 100
69 142.2 25.3 37.9#
84 137.8 71.4 107.0#





#32

1,1,1-Trichloroethane

Concen: 1.011 ug/l

RT: 5.391 min Scan# 706

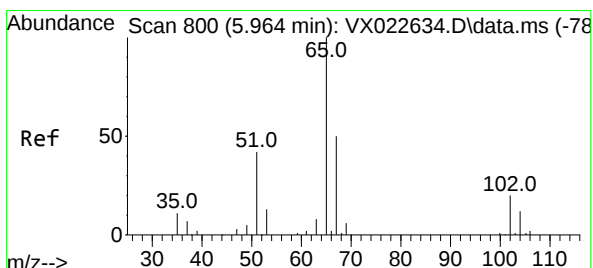
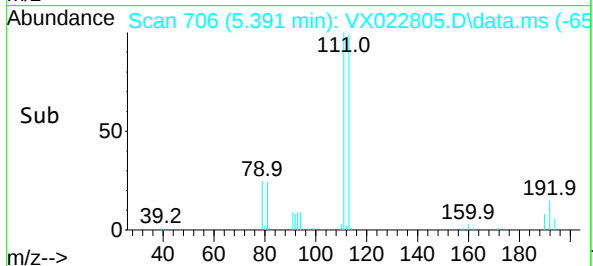
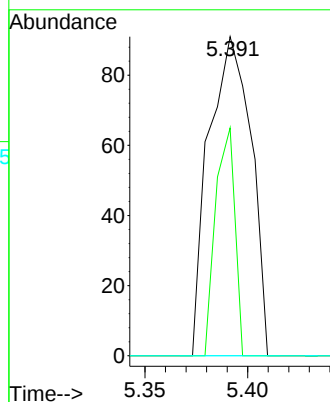
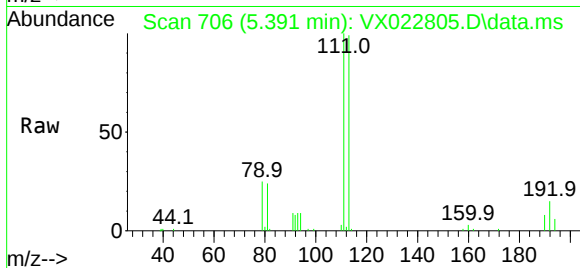
Delta R.T. 0.000 min

Lab File: VX022805.D

Acq: 21 Jun 2021 19:21

Tgt Ion:	97	Resp:	130
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	0.0	34.2	51.4#

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20210617



#33

1,2-Dichloroethane-d4

Concen: 52.559 ug/l

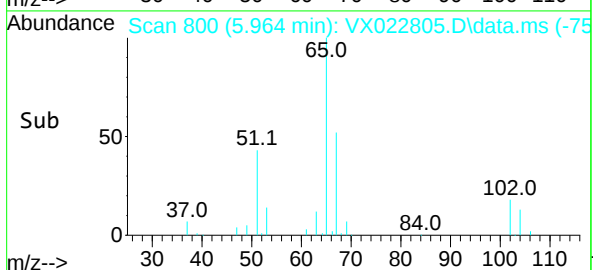
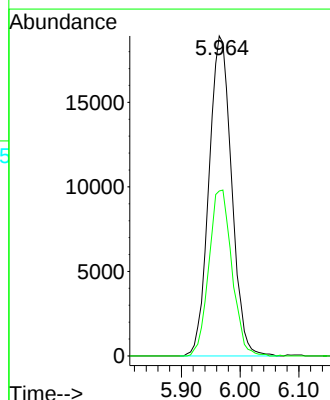
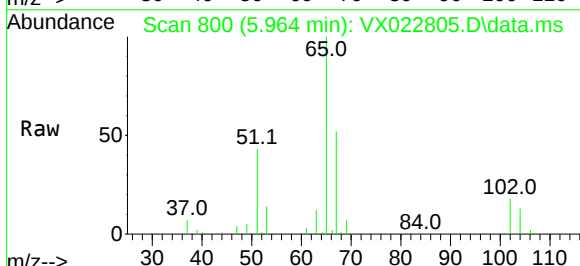
RT: 5.964 min Scan# 800

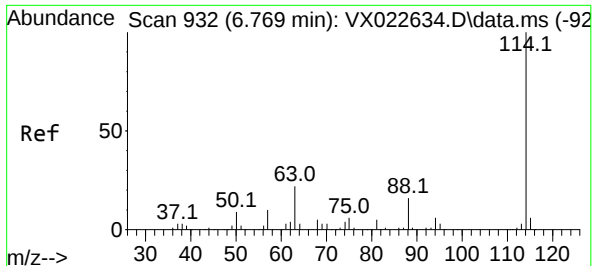
Delta R.T. 0.000 min

Lab File: VX022805.D

Acq: 21 Jun 2021 19:21

Tgt Ion:	65	Resp:	50757
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.006 min

Lab File: VX022805.D

Acq: 21 Jun 2021 19:21

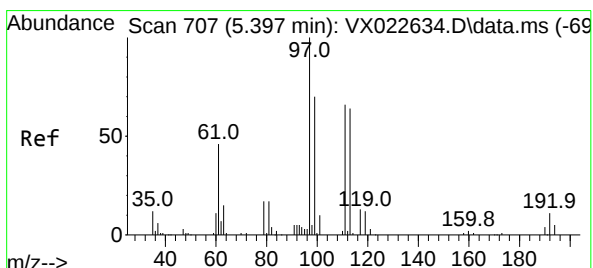
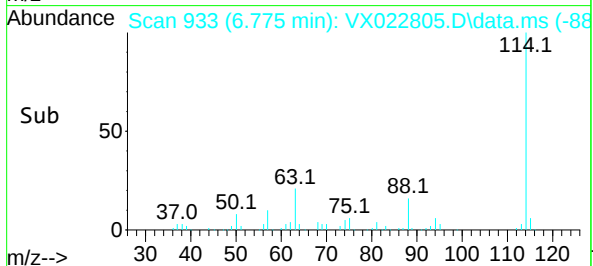
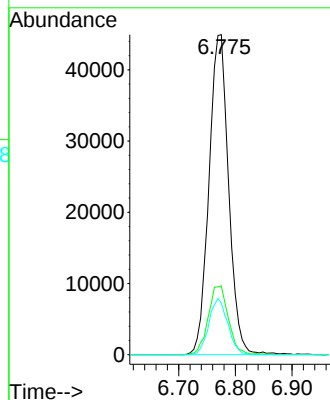
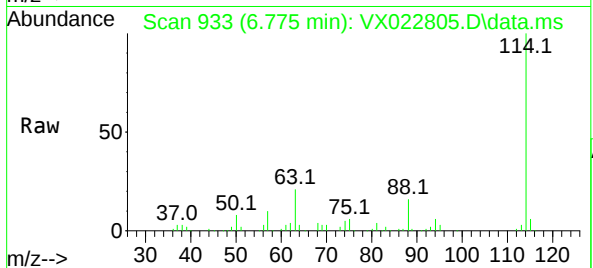
Tgt Ion:114 Resp: 108301

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.8

88 16.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 52.564 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX022805.D

Acq: 21 Jun 2021 19:21

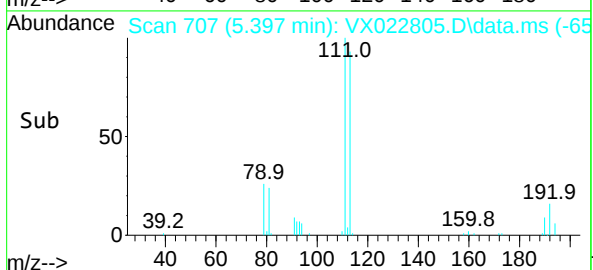
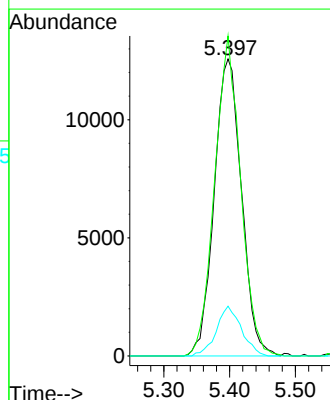
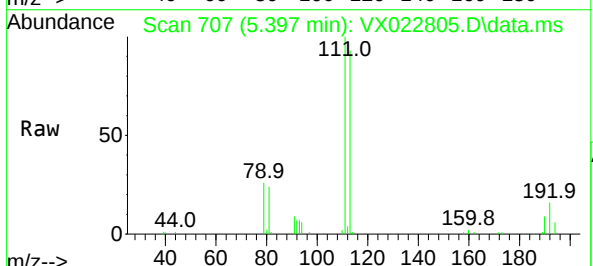
Tgt Ion:113 Resp: 36321

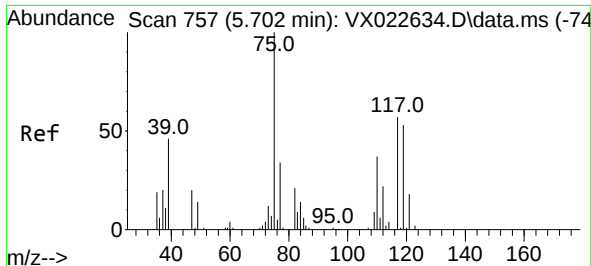
Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

192 15.5 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 5.193 ug/l

RT: 5.556 min Scan# 733

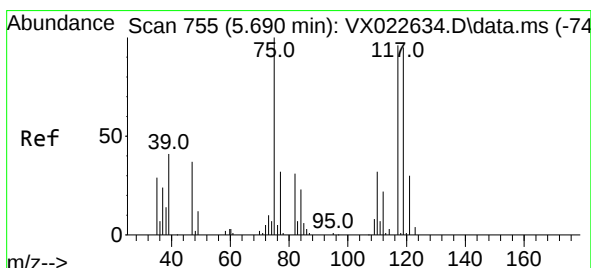
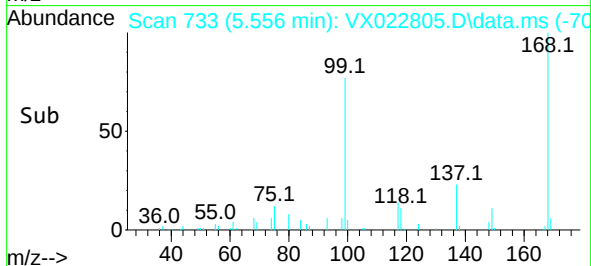
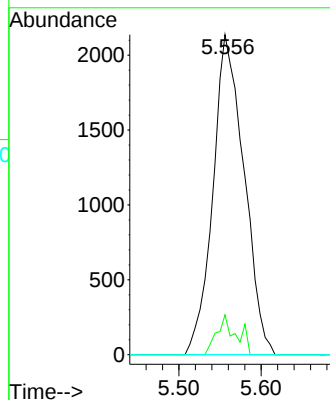
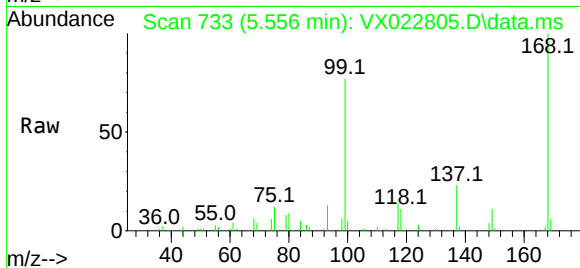
Delta R.T. -0.146 min

Lab File: VX022805.D

Acq: 21 Jun 2021 19:21

Tgt Ion:	75	Resp:	5604
Ion	Ratio	Lower	Upper
75	100		
110	7.7	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20210617



#38

Carbon Tetrachloride

Concen: 7.065 ug/l

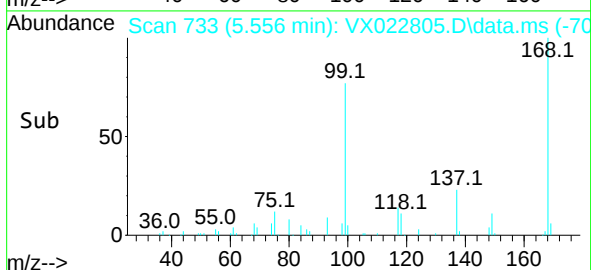
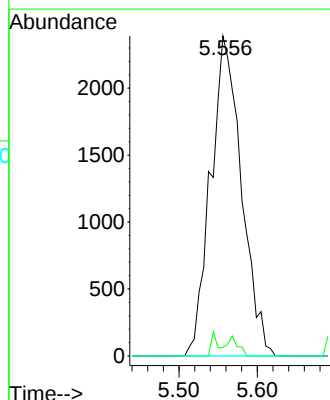
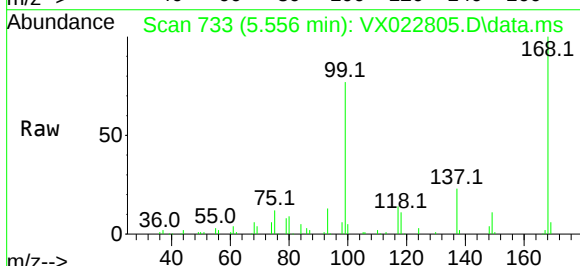
RT: 5.556 min Scan# 733

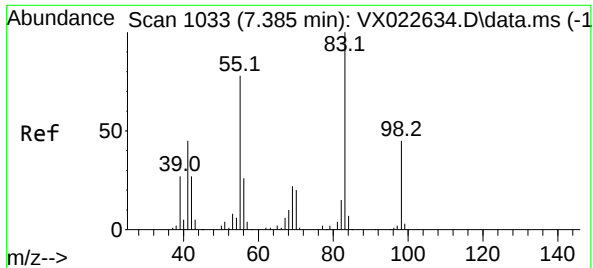
Delta R.T. -0.122 min

Lab File: VX022805.D

Acq: 21 Jun 2021 19:21

Tgt Ion:	117	Resp:	6521
Ion	Ratio	Lower	Upper
117	100		
119	2.7	76.2	114.2#
121	0.0	24.8	37.2#

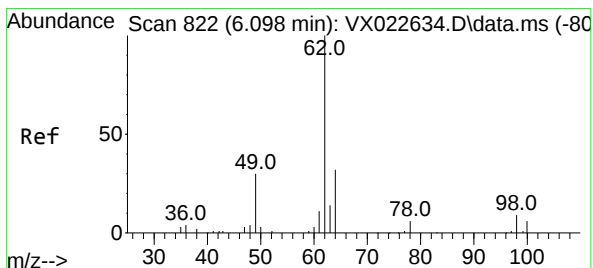
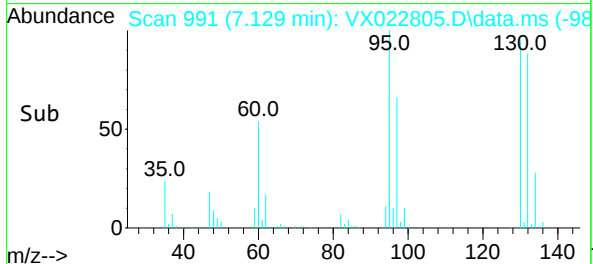
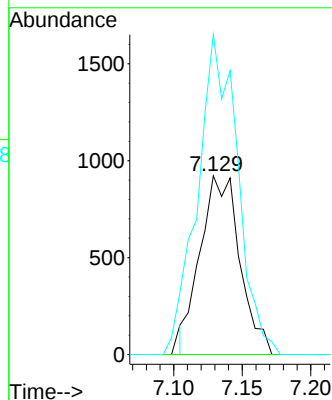
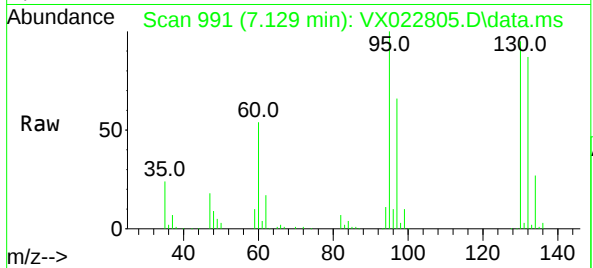




#39
Methylcyclohexane
Concen: 1.637 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

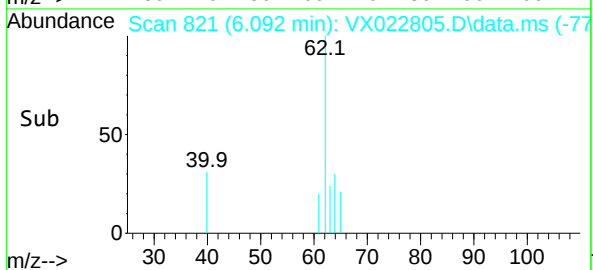
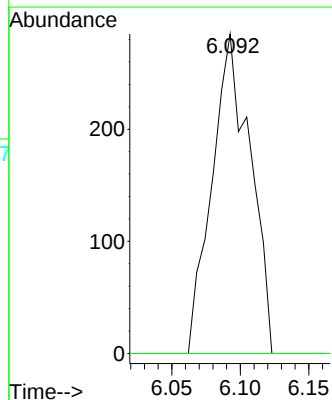
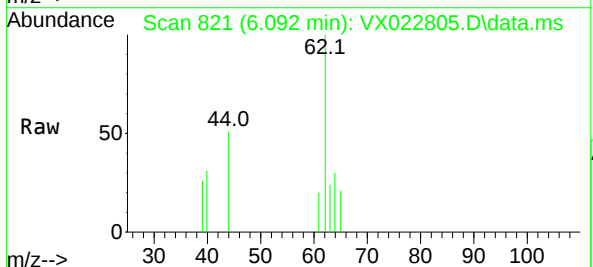
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20210617

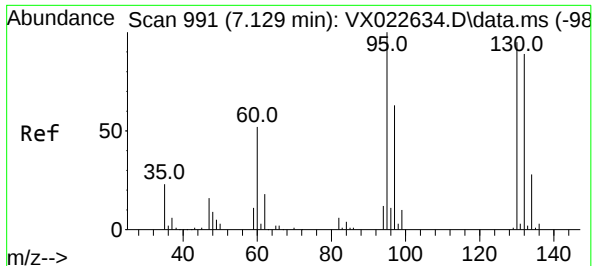
Tgt Ion: 83 Resp: 1843
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 167.8 38.1 57.1#



#42
1,2-Dichloroethane
Concen: 0.469 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

Tgt Ion: 62 Resp: 554
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

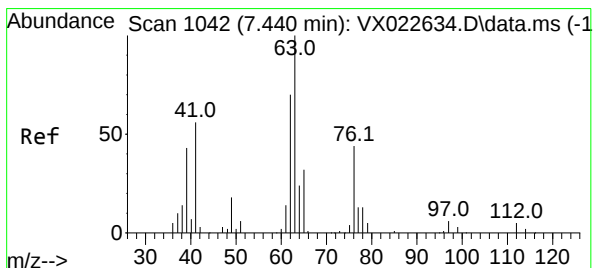
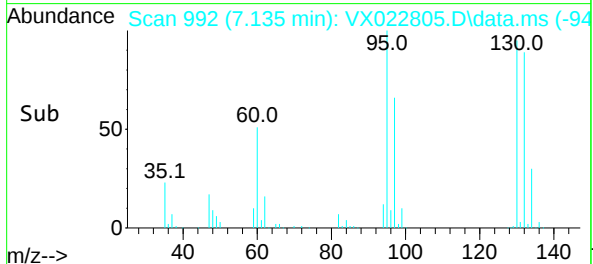
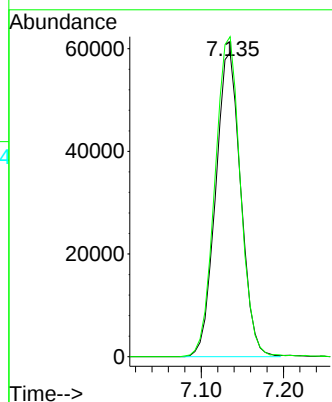
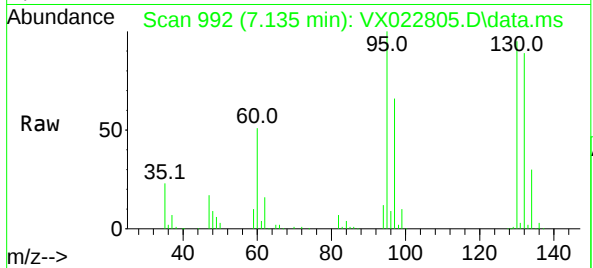




#44
Trichloroethene
Concen: 167.684 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

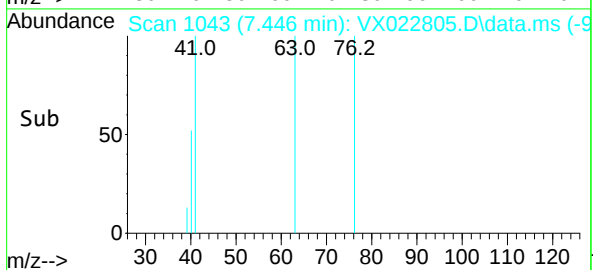
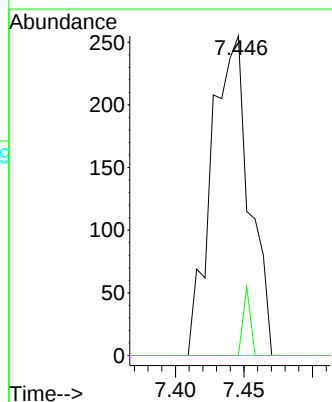
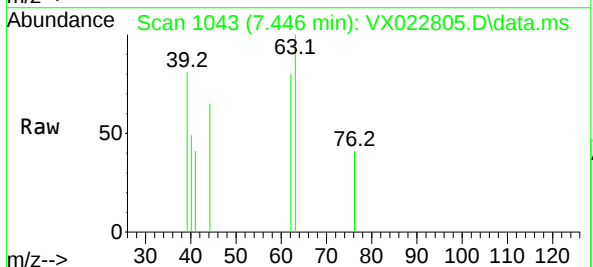
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20210617

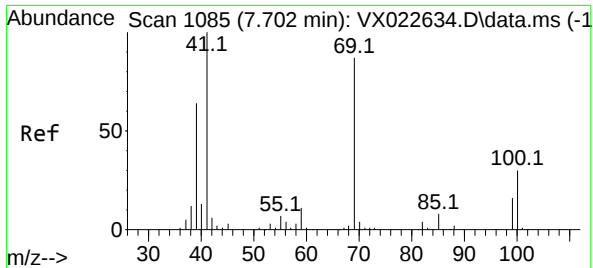
Tgt Ion:130 Resp: 126373
Ion Ratio Lower Upper
130 100
95 105.3 0.0 198.0



#45
1,2-Dichloropropane
Concen: 0.566 ug/l
RT: 7.446 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

Tgt Ion: 63 Resp: 490
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

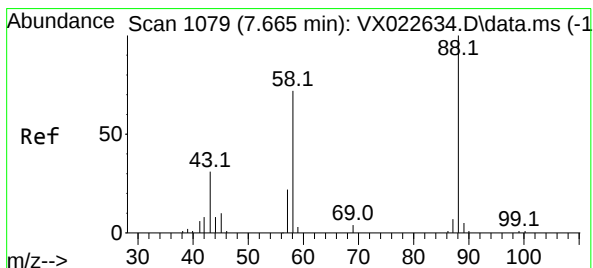
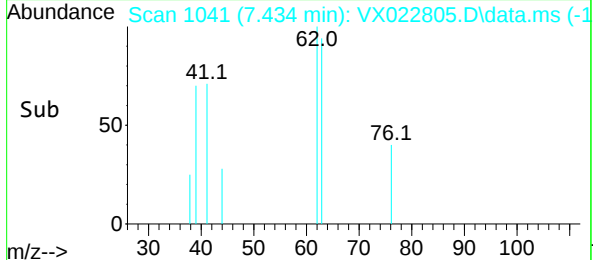
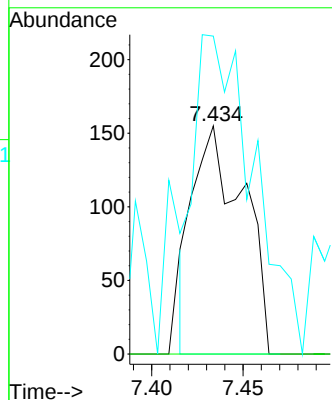
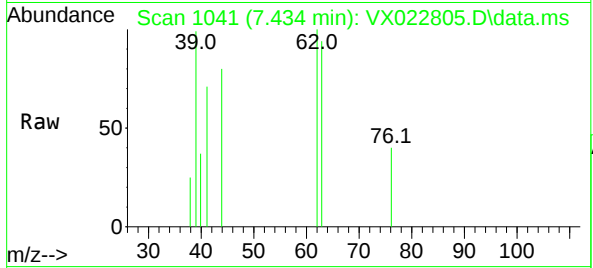




#48
Methyl methacrylate
Concen: 0.283 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. -0.262 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

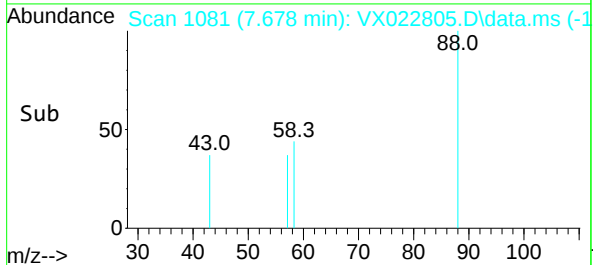
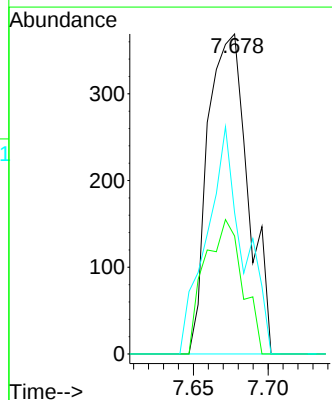
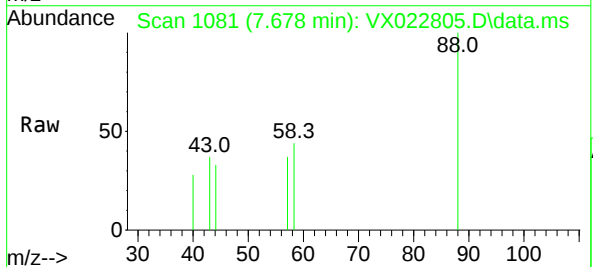
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20210617

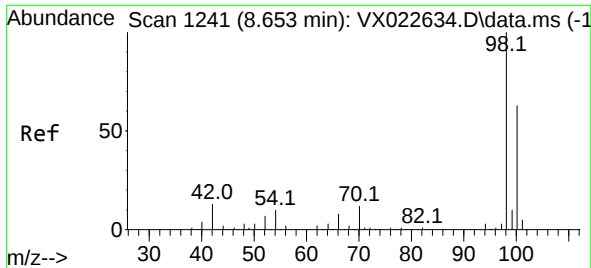
Tgt Ion: 41 Resp: 294
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 167.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 34.714 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.013 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

Tgt Ion: 88 Resp: 687
Ion Ratio Lower Upper
88 100
43 39.6 23.2 34.8#
58 64.9 55.0 82.4

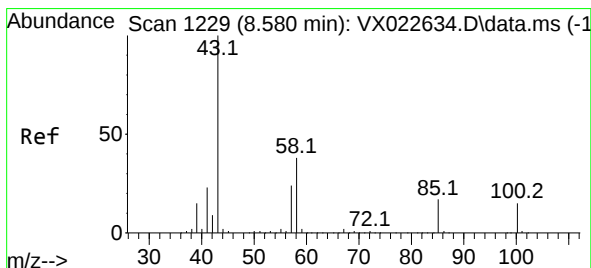
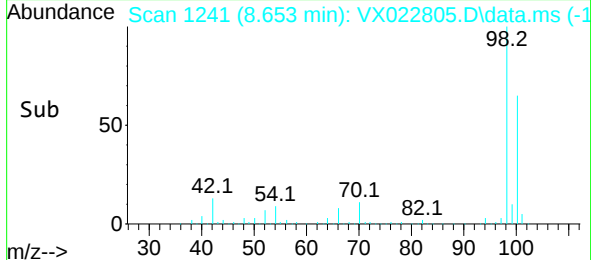
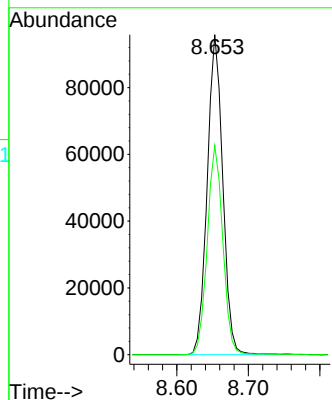
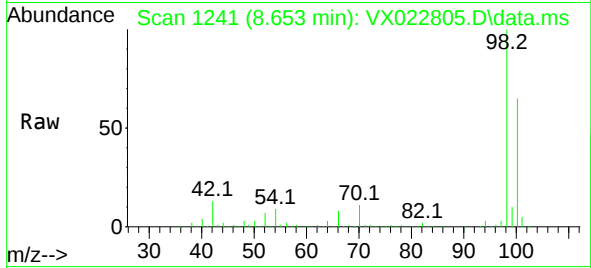




#50
Toluene-d8
Concen: 53.146 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

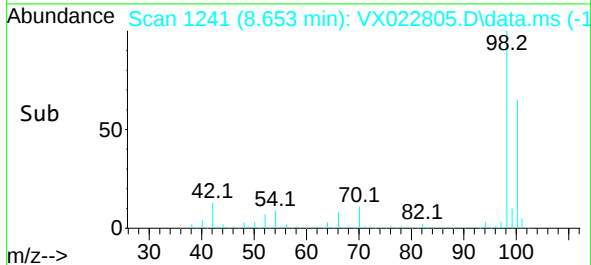
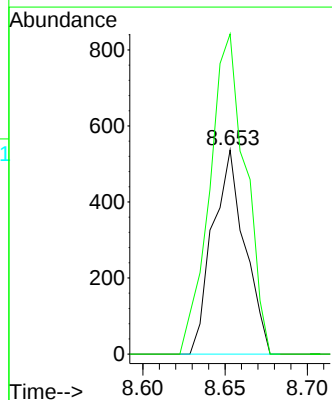
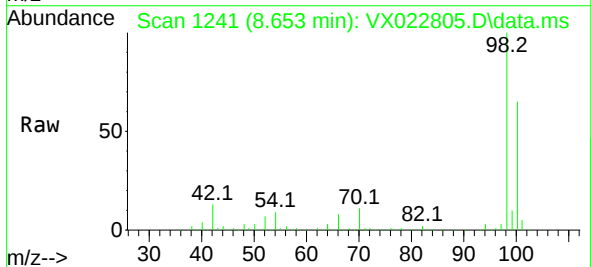
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20210617

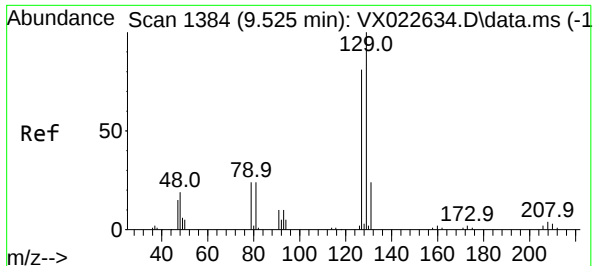
Tgt Ion: 98 Resp: 144765
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.532 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
58 174.6 35.4 53.0#

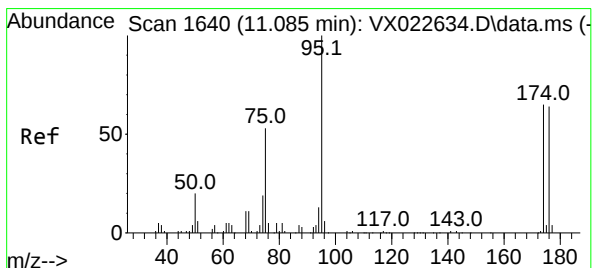
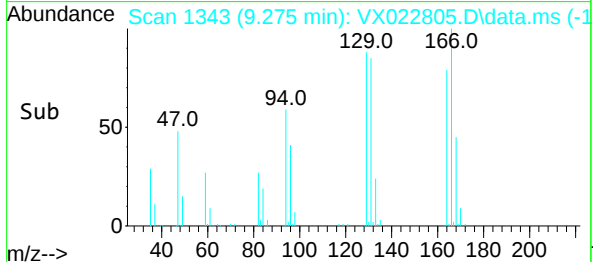
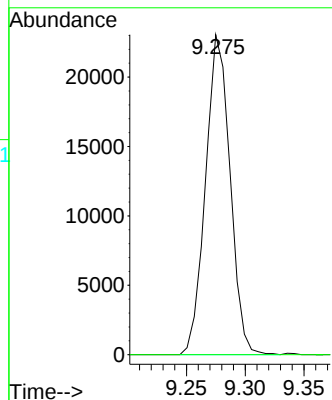
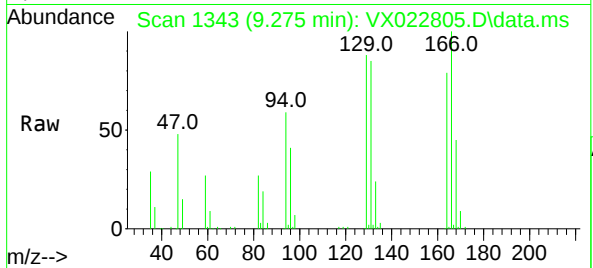




#60
Dibromochloromethane
Concen: 42.257 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

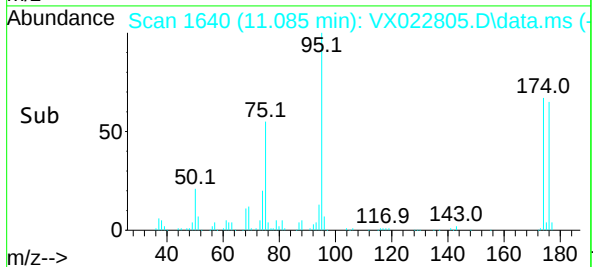
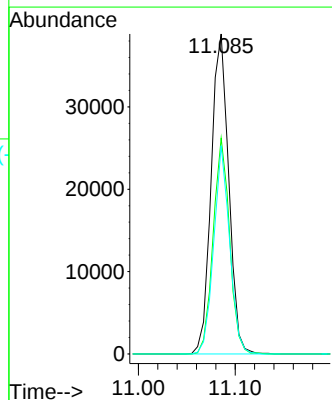
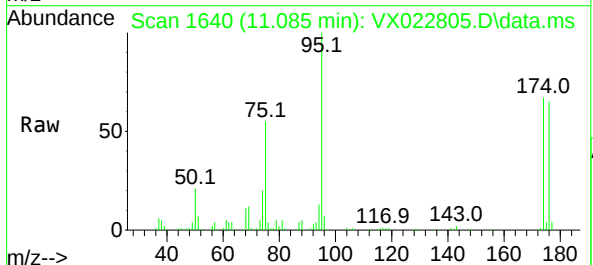
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20210617

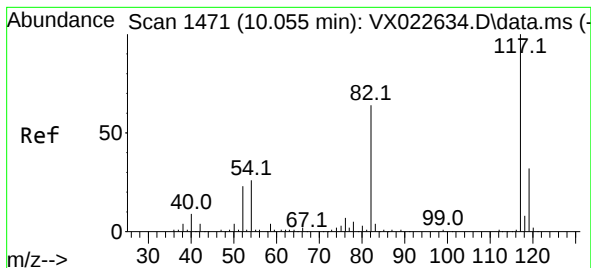
Tgt Ion:129 Resp: 33512
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 47.473 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

Tgt Ion: 95 Resp: 48906
Ion Ratio Lower Upper
95 100
174 63.1 0.0 154.6
176 58.9 0.0 155.8

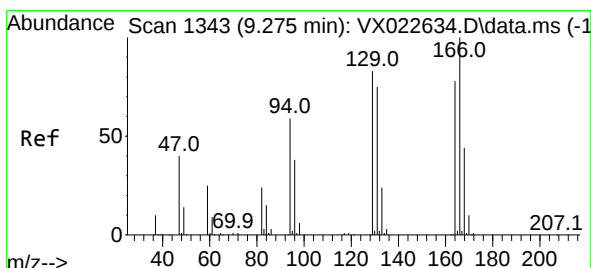
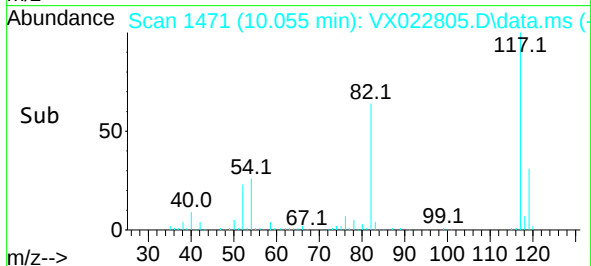
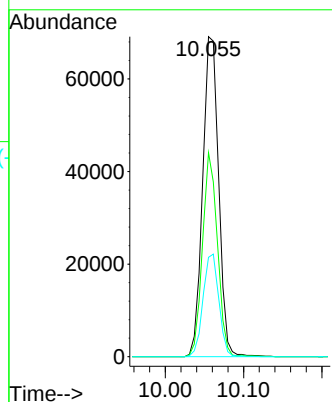
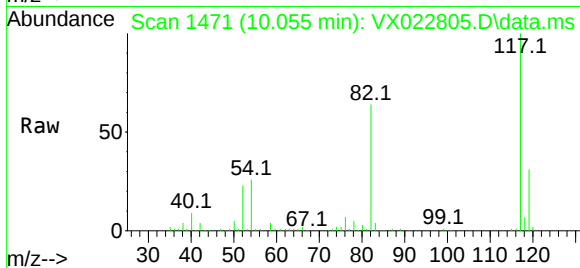




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

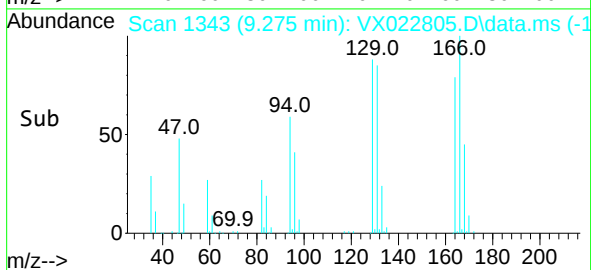
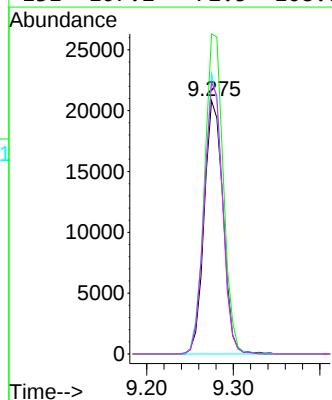
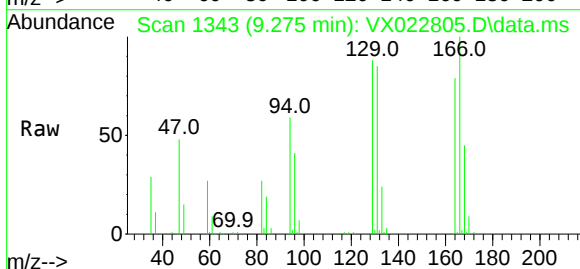
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20210617

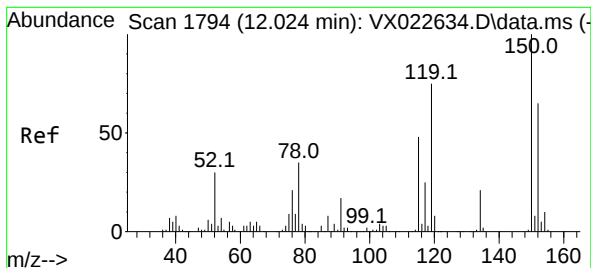
Tgt Ion:	117	Resp:	97804
Ion	Ratio	Lower	Upper
117	100		
82	63.8	47.4	71.2
119	31.1	26.6	39.8



#64
Tetrachloroethene
Concen: 50.748 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX022805.D
Acq: 21 Jun 2021 19:21

Tgt Ion:	164	Resp:	31388
Ion	Ratio	Lower	Upper
164	100		
166	126.3	103.4	155.2
129	110.7	70.8	106.2
131	107.2	72.5	108.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX022805.D

Acq: 21 Jun 2021 19:21

Tgt Ion:152 Resp: 36336

Ion Ratio Lower Upper

152 100

115 68.4 41.1 123.3

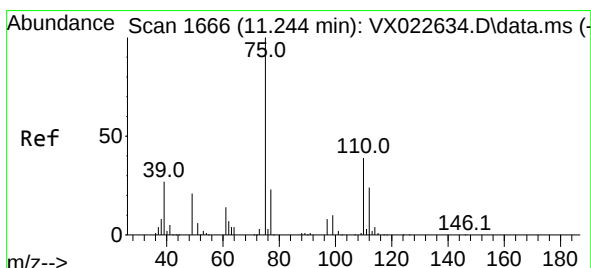
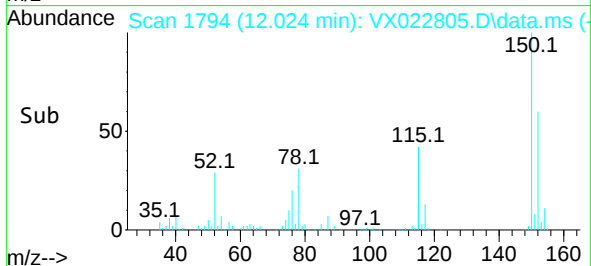
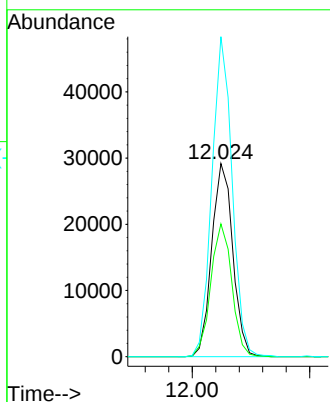
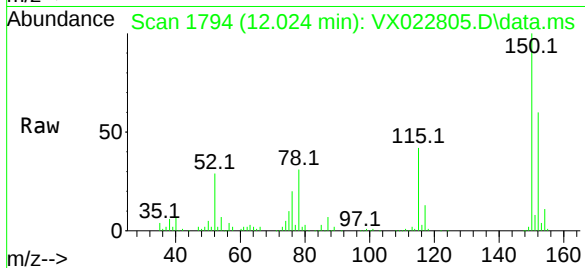
150 159.1 0.0 349.0

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20210617



#76

1,2,3-Trichloropropane

Concen: 27.888 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX022805.D

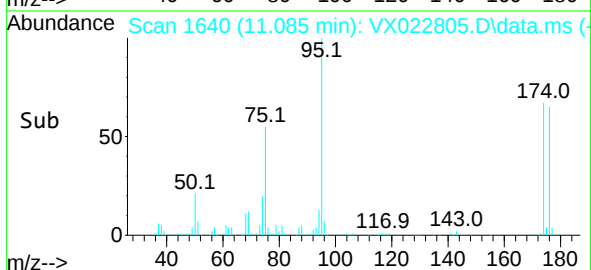
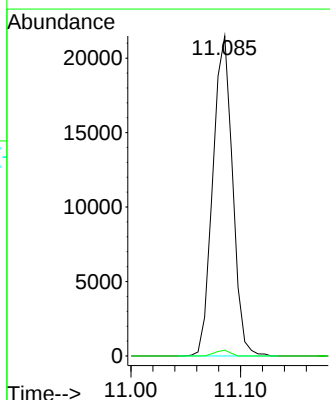
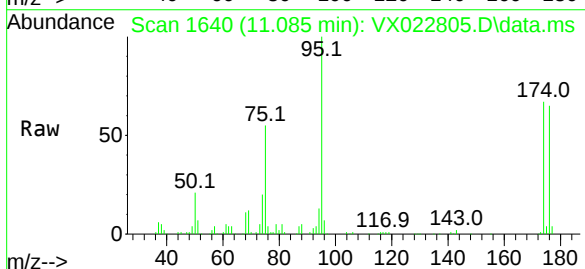
Acq: 21 Jun 2021 19:21

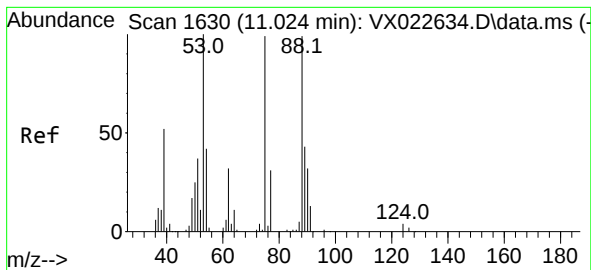
Tgt Ion: 75 Resp: 26868

Ion Ratio Lower Upper

75 100

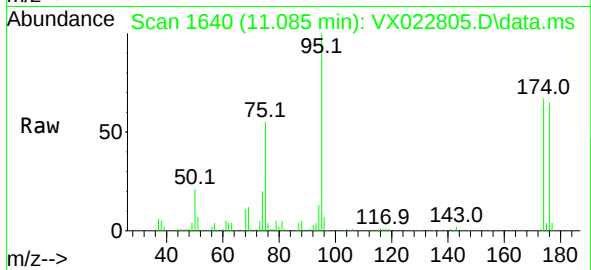
77 1.4 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.527 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX022805.D
 Acq: 21 Jun 2021 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D3-20210617



Tgt Ion: 75 Resp: 26868
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

