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 Data File : VN073935.D
 Acq On : 16 Aug 2022 08:12
 Operator : JC\MD
 Sample : N4167-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 53 Sample Multiplier: 1

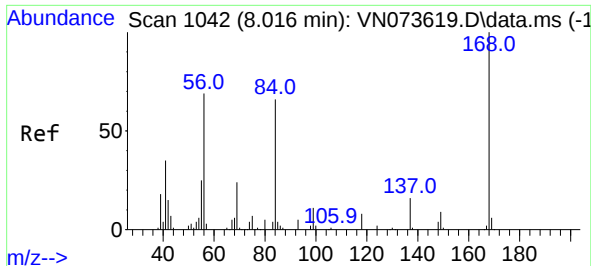
Instrument :
 MSVOA_N
 ClientSampleId :
 RE137-CARBON-20220810

Quant Time: Aug 16 08:31:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	616728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	891375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	831816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	439826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	313230	52.145	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.280%	
35) Dibromofluoromethane	7.951	113	298415	56.609	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.220%	
50) Toluene-d8	10.381	98	954835	46.769	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.540%	
62) 4-Bromofluorobenzene	12.674	95	389605	57.500	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	1597	0.327	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.146	101	14525	2.776	ug/l	91
16) Acetone	4.228	43	22204	7.835	ug/l	95
18) Methyl Acetate	4.787	43	7163	Below Cal	#	64
20) Methylene Chloride	5.016	84	10243	1.713	ug/l #	84
24) 1,1-Dichloroethane	6.298	63	9797	1.030	ug/l #	91
25) 2-Butanone	7.263	43	2440	0.543	ug/l	93
28) Bromochloromethane	7.751	49	1368	0.390	ug/l #	8
29) Tetrahydrofuran	7.616	42	975	0.338	ug/l #	39
30) Chloroform	7.745	83	22112	2.079	ug/l	89
31) Cyclohexane	8.022	56	9222	1.101	ug/l #	15
36) 1,1-Dichloropropene	8.016	75	36969	5.049	ug/l #	49
38) Carbon Tetrachloride	8.134	117	6293	0.752	ug/l	89
42) 1,2-Dichloroethane	8.469	62	2751	0.346	ug/l	91
44) Trichloroethene	9.151	130	1953	0.293	ug/l	61
55) 1,1,2-Trichloroethane	10.845	97	3960	0.642	ug/l #	95
76) 1,2,3-Trichloropropane	12.674	75	191752	20.975	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	191752	59.658	ug/l #	10

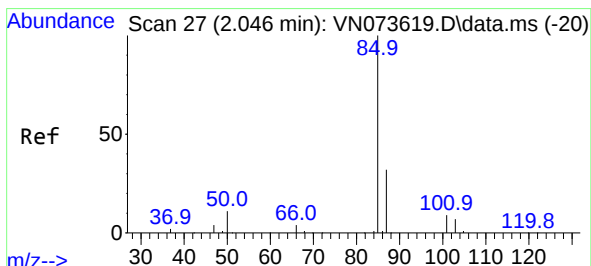
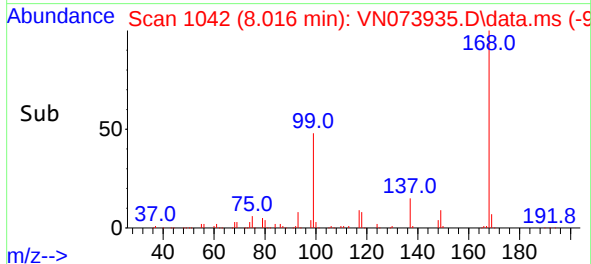
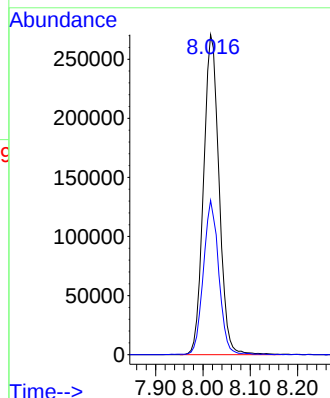
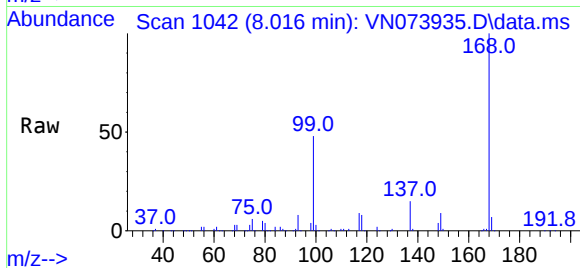
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

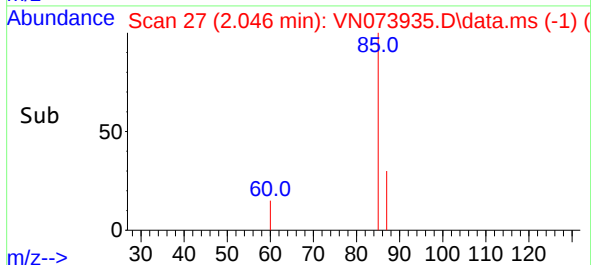
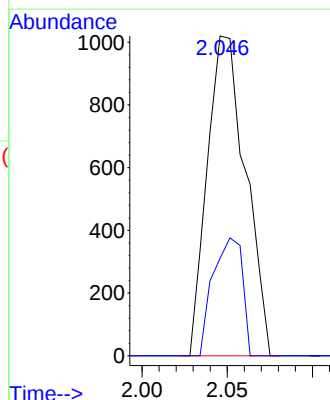
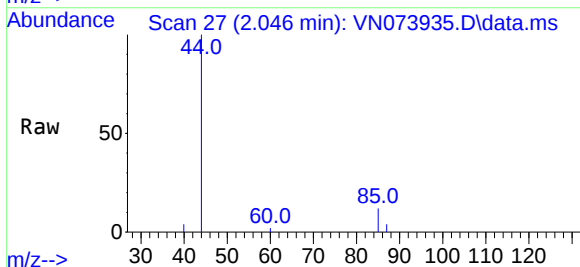
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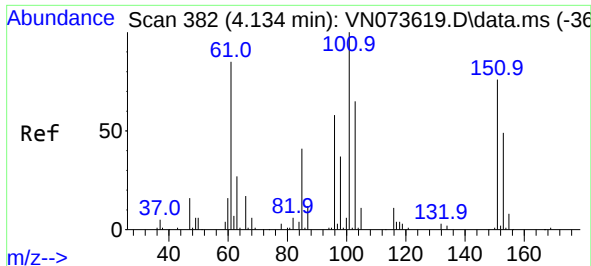
Tgt Ion:168 Resp: 616728
Ion Ratio Lower Upper
168 100
99 48.1 42.3 63.5



#2
Dichlorodifluoromethane
Concen: 0.327 ug/l
RT: 2.046 min Scan# 27
Delta R.T. -0.000 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

Tgt Ion: 85 Resp: 1597
Ion Ratio Lower Upper
85 100
87 30.5 15.7 47.1

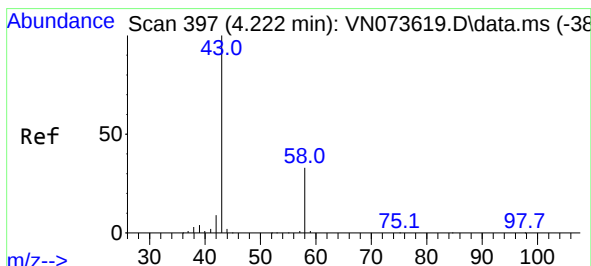
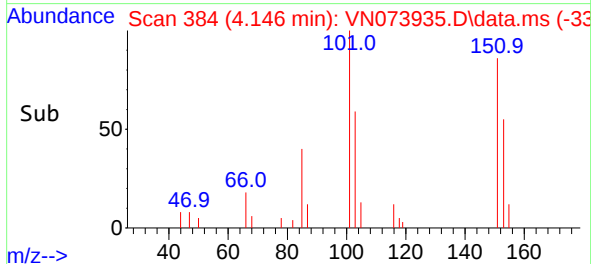
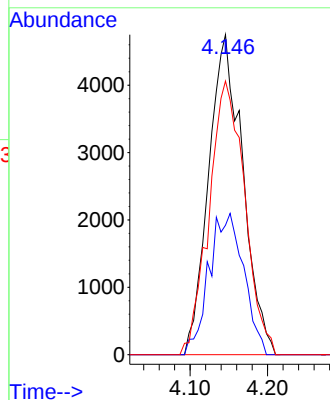
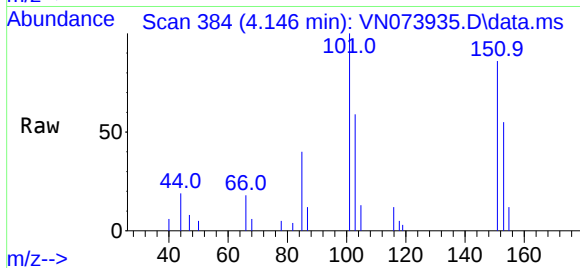




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.776 ug/l
RT: 4.146 min Scan# 382
Delta R.T. 0.012 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

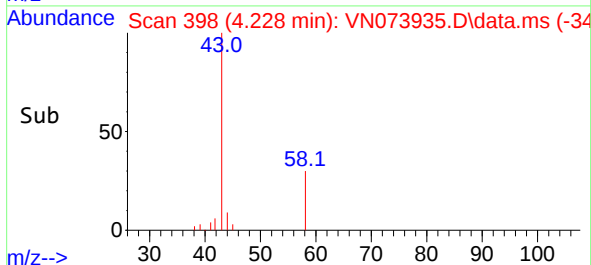
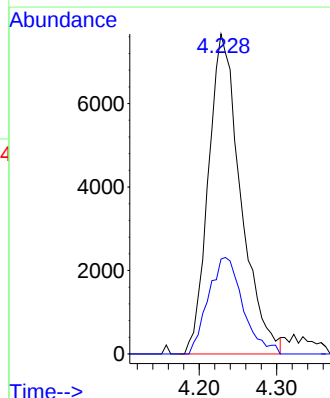
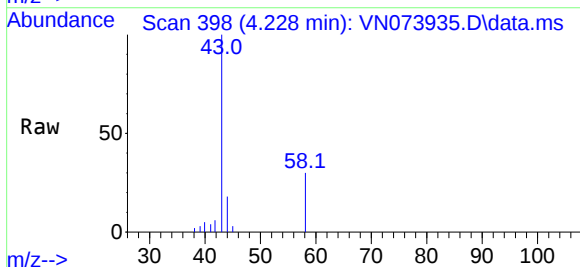
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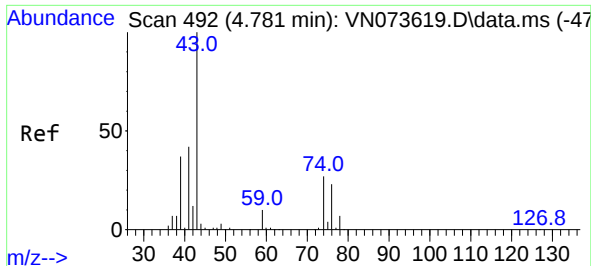
Tgt Ion:101 Resp: 14525
Ion Ratio Lower Upper
101 100
85 45.0 34.7 52.1
151 89.1 63.0 94.4



#16
Acetone
Concen: 7.835 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

Tgt Ion: 43 Resp: 22204
Ion Ratio Lower Upper
43 100
58 29.6 26.0 39.0

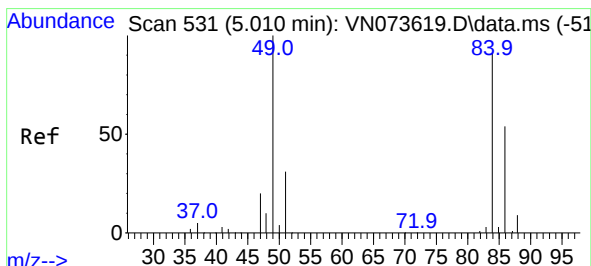
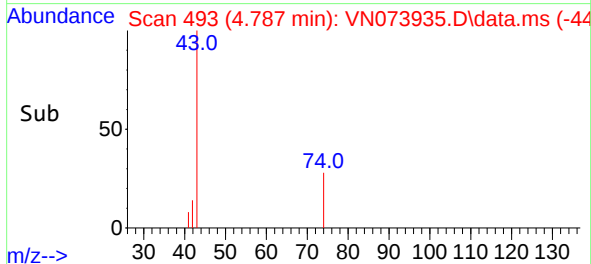
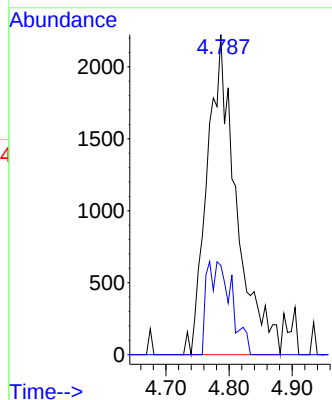
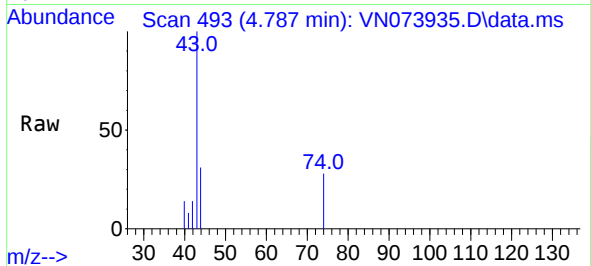




#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

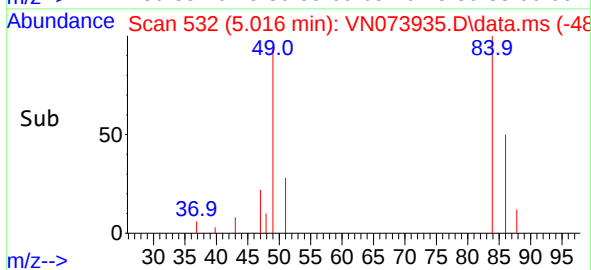
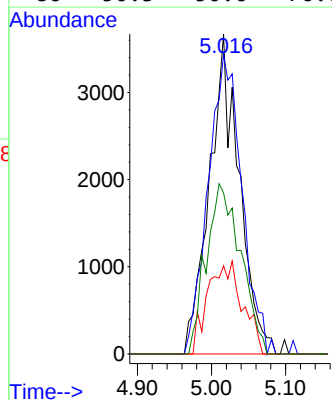
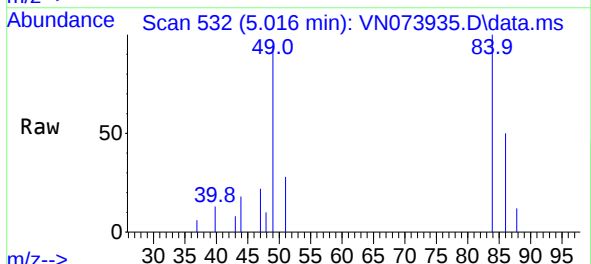
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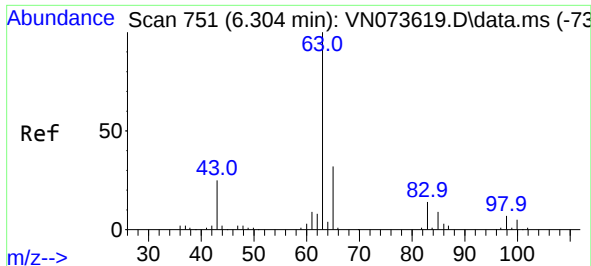
Tgt Ion: 43 Resp: 7163
Ion Ratio Lower Upper
43 100
74 8.1 21.6 32.4#



#20
Methylene Chloride
Concen: 1.713 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

Tgt Ion: 84 Resp: 10243
Ion Ratio Lower Upper
84 100
49 93.5 88.3 132.5
51 27.5 28.2 42.2#
86 50.3 50.6 76.0#

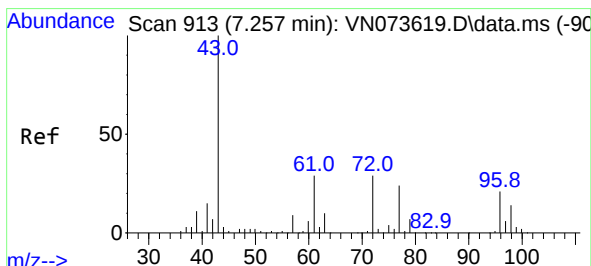
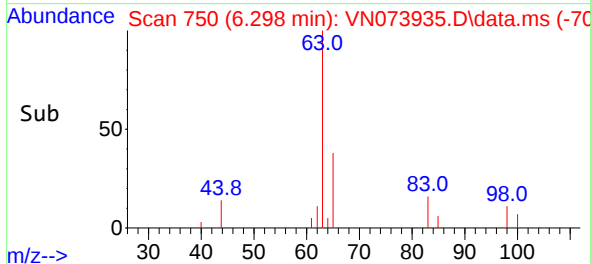
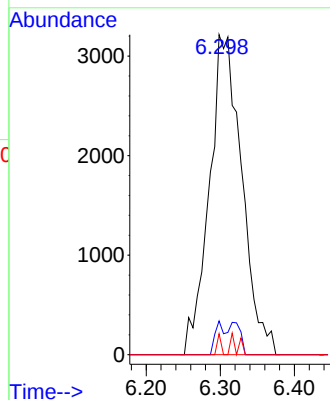
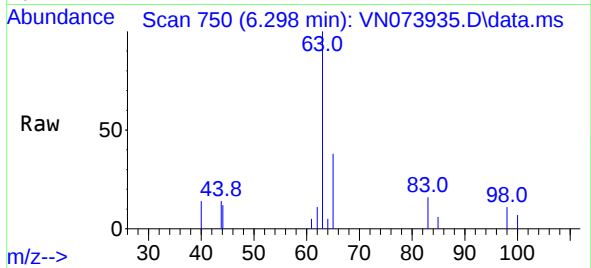




#24
1,1-Dichloroethane
Concen: 1.030 ug/l
RT: 6.298 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

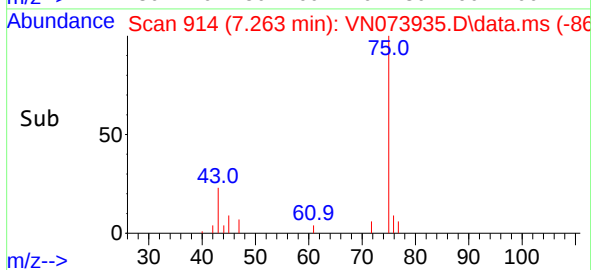
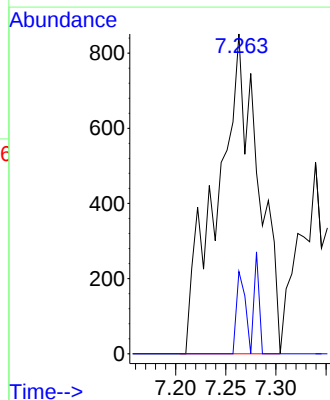
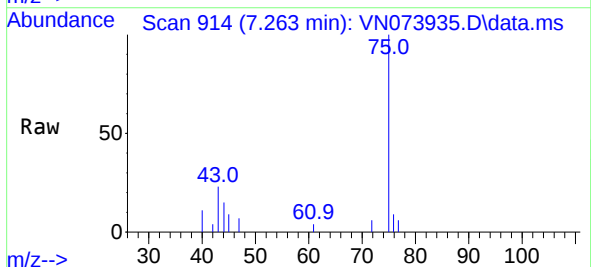
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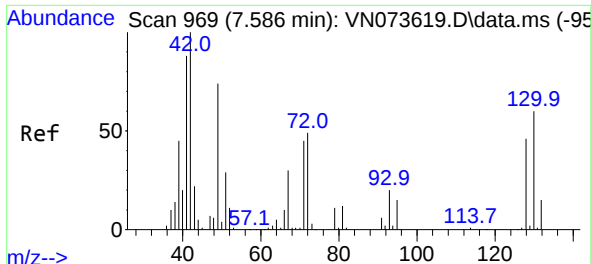
Tgt Ion: 63 Resp: 9797
Ion Ratio Lower Upper
63 100
98 10.5 3.5 10.4#
100 6.6 2.3 6.8



#25
2-Butanone
Concen: 0.543 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

Tgt Ion: 43 Resp: 2440
Ion Ratio Lower Upper
43 100
72 25.7 23.7 35.5

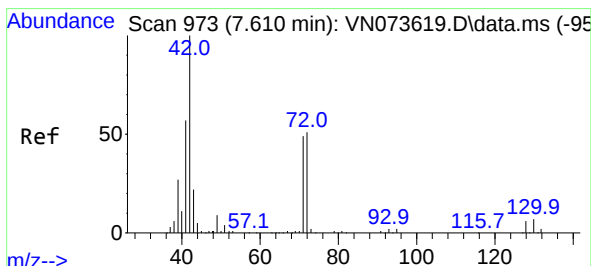
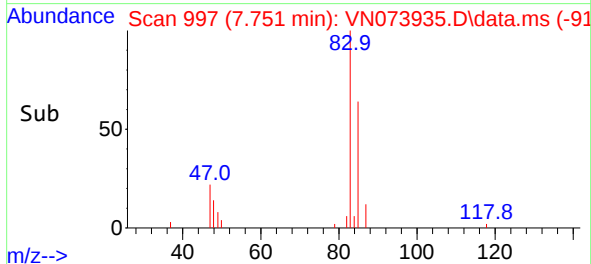
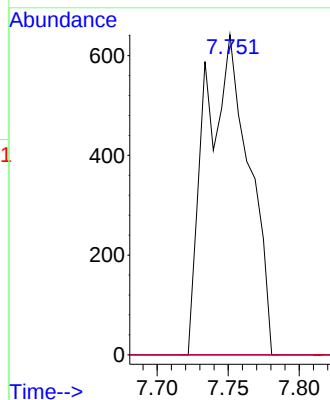
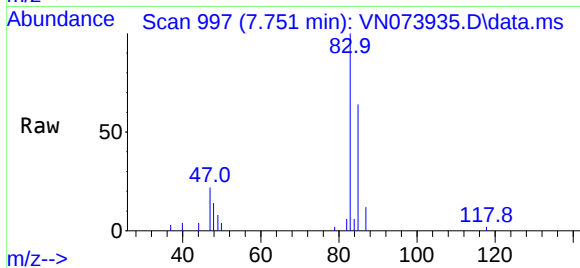




#28
Bromochloromethane
Concen: 0.390 ug/l
RT: 7.751 min Scan# 91
Delta R.T. 0.165 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

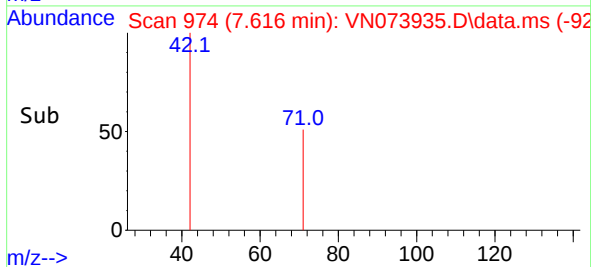
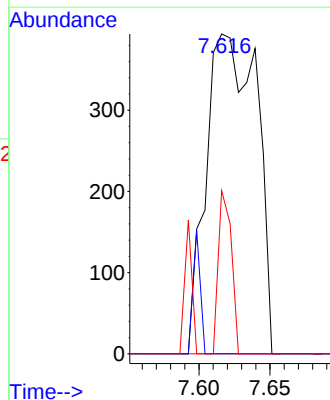
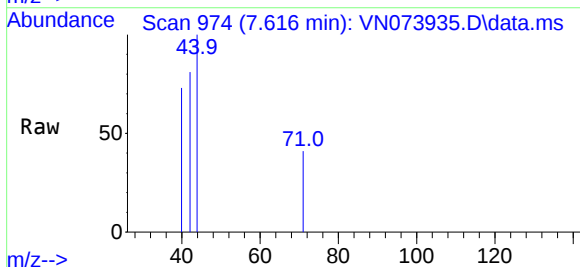
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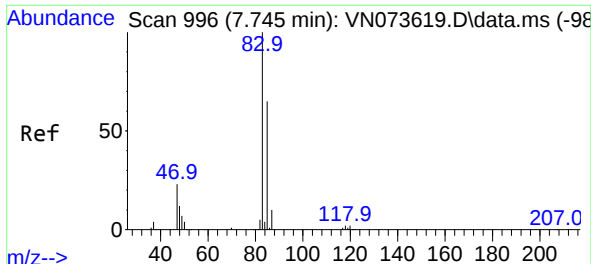
Tgt Ion: 49 Resp: 1368
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#



#29
Tetrahydrofuran
Concen: 0.338 ug/l
RT: 7.616 min Scan# 974
Delta R.T. 0.006 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

Tgt Ion: 42 Resp: 975
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 13.0 36.6 55.0#

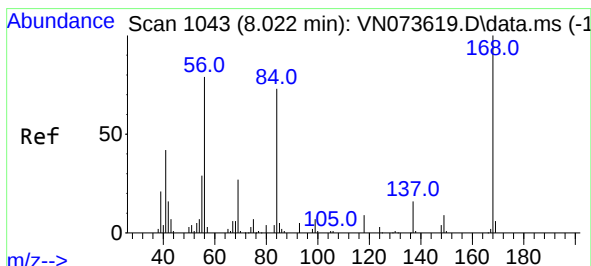
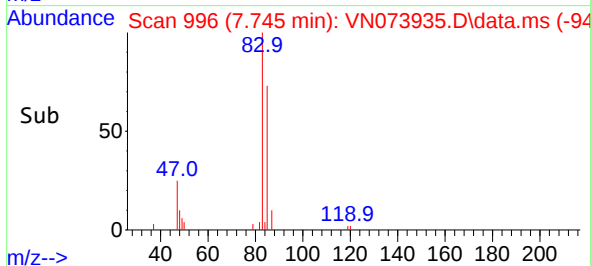
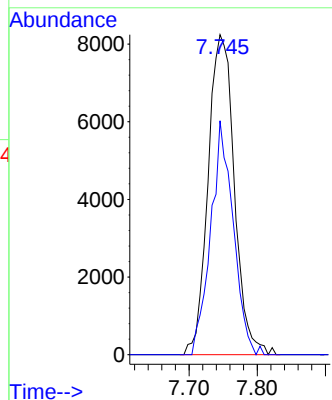
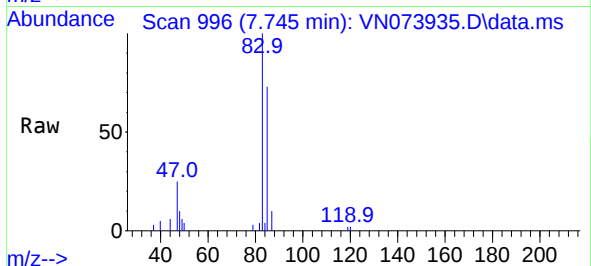




#30
Chloroform
Concen: 2.079 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

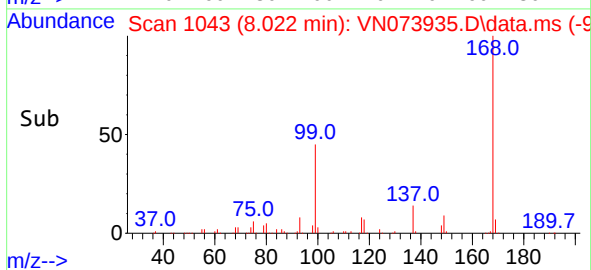
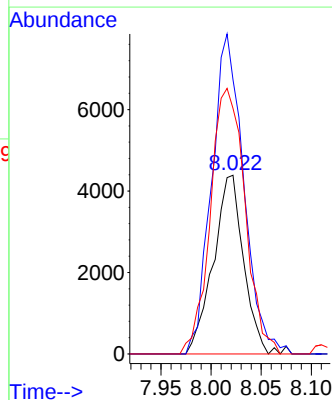
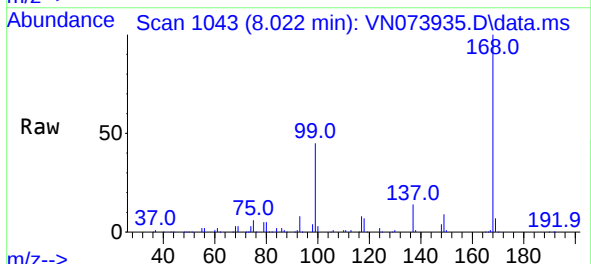
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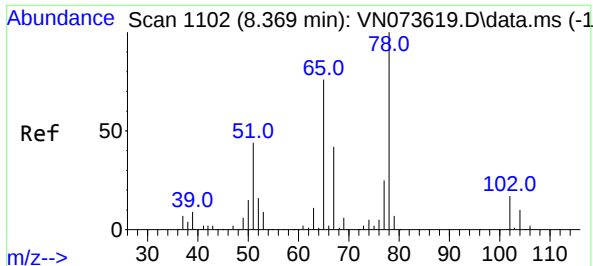
Tgt Ion: 83 Resp: 22112
Ion Ratio Lower Upper
83 100
85 73.1 51.8 77.8



#31
Cyclohexane
Concen: 1.101 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

Tgt Ion: 56 Resp: 9222
Ion Ratio Lower Upper
56 100
69 153.3 27.8 41.8#
84 137.4 76.9 115.3#

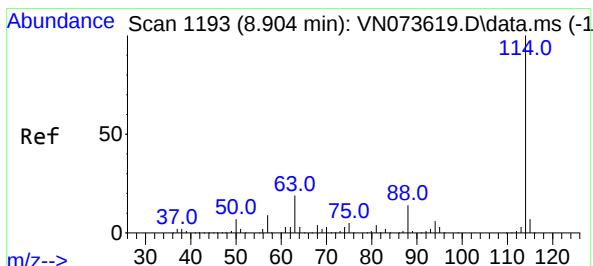
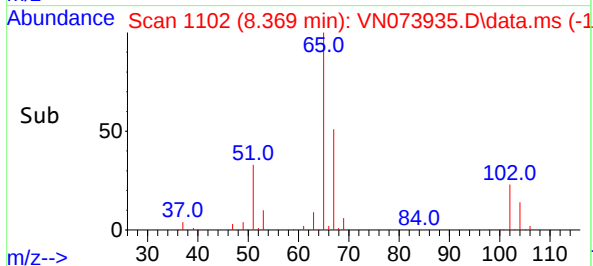
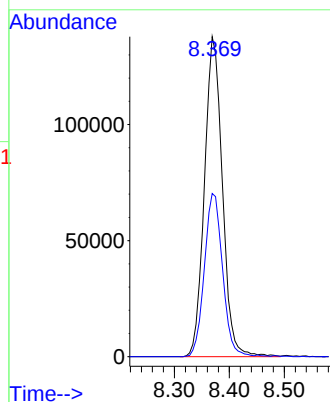
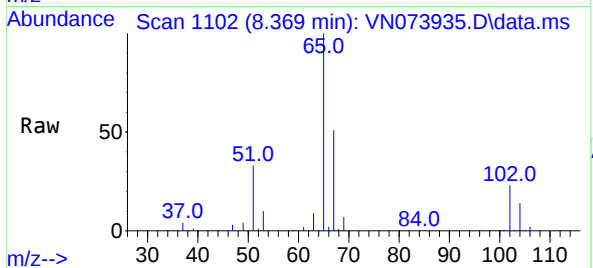




#33
1,2-Dichloroethane-d4
Concen: 52.145 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

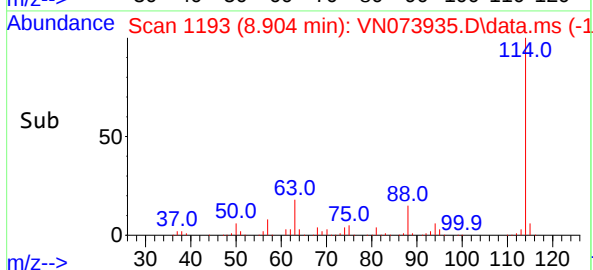
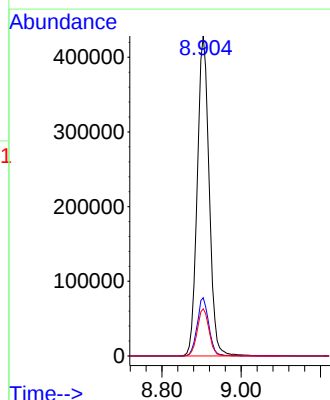
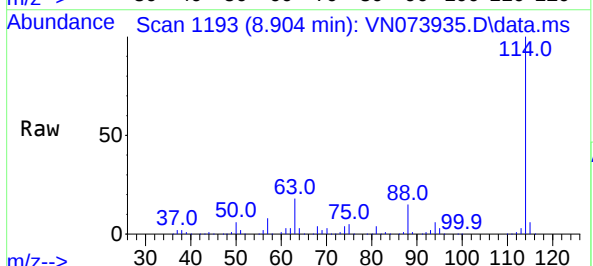
Instrument : MSVOA_N
ClientSampleId : RE137-CARBON-20220810

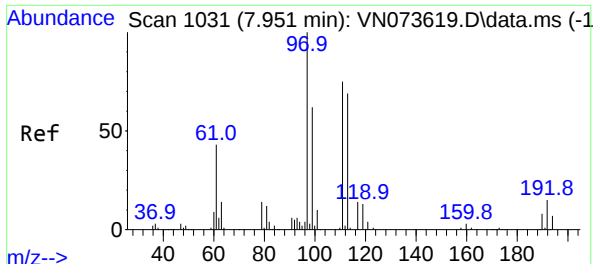
Tgt Ion: 65 Resp: 313230
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

Tgt Ion: 114 Resp: 891375
Ion Ratio Lower Upper
114 100
63 18.2 0.0 40.0
88 14.8 0.0 32.6

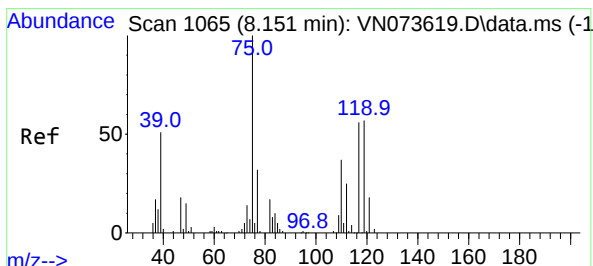
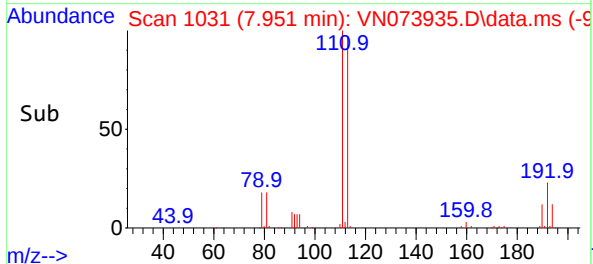
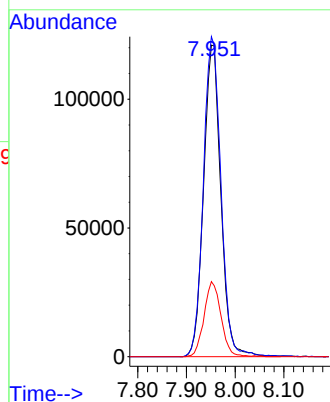
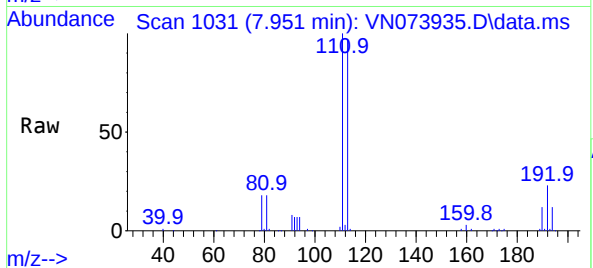




#35
Dibromofluoromethane
Concen: 56.609 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

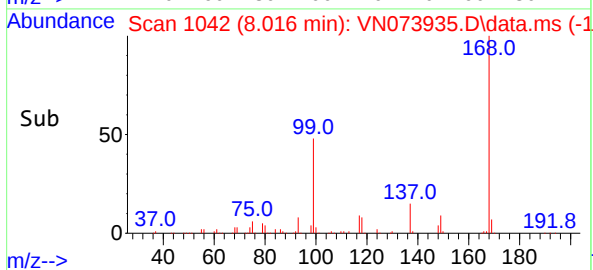
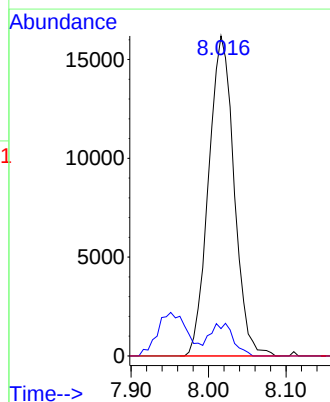
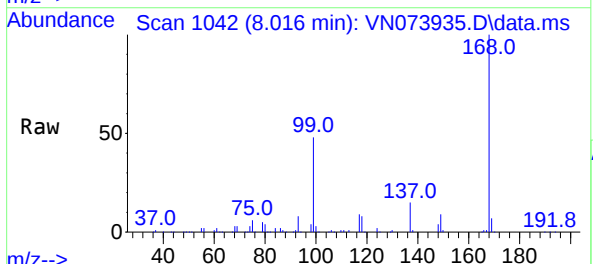
Instrument :
MSVOA_N
ClientSampleId :
RE137-CARBON-20220810

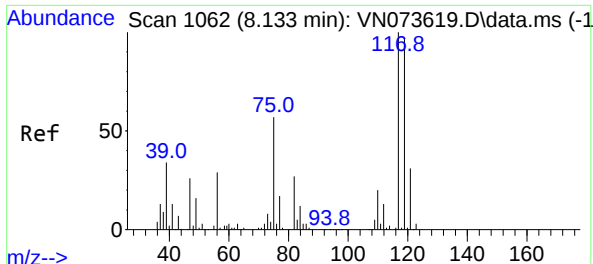
Tgt Ion:113 Resp: 298415
Ion Ratio Lower Upper
113 100
111 104.4 81.4 122.0
192 23.6 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.049 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

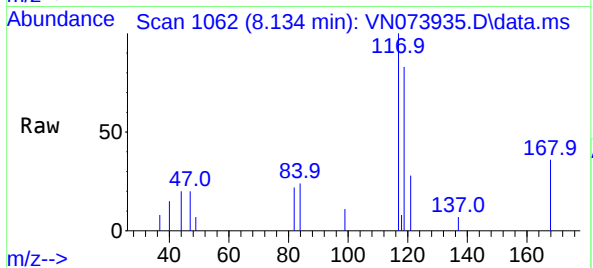
Tgt Ion: 75 Resp: 36969
Ion Ratio Lower Upper
75 100
110 9.2 18.3 54.8#
77 0.0 25.1 37.7#



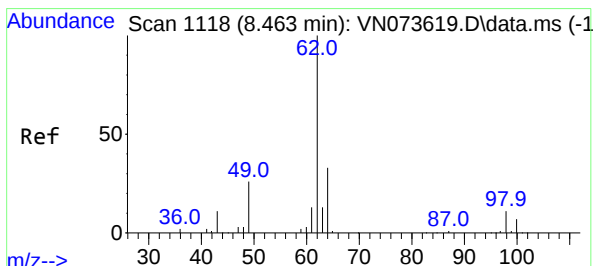
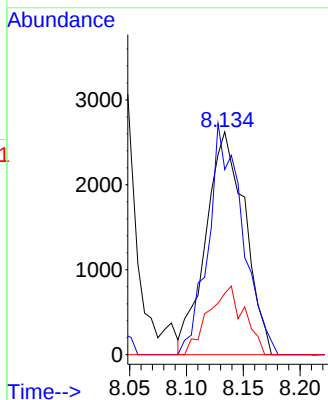
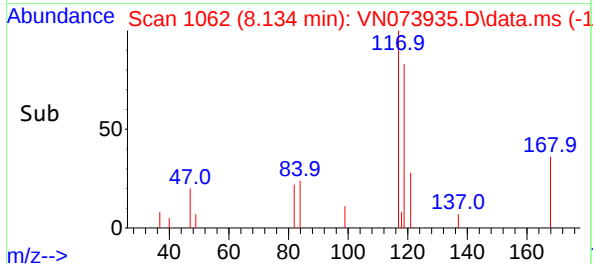


#38
Carbon Tetrachloride
Concen: 0.752 ug/l
RT: 8.134 min Scan# 1109
Delta R.T. 0.001 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

Instrument :
MSVOA_N
ClientSampleId :
RE137-CARBON-20220810

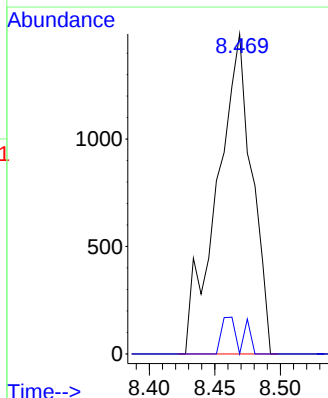
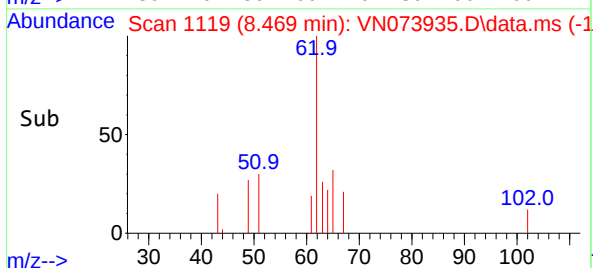
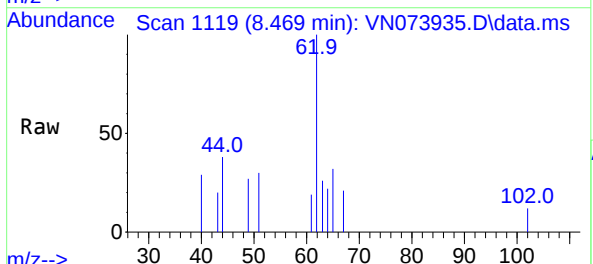


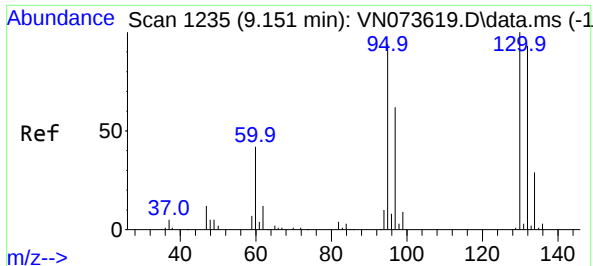
Tgt Ion:117 Resp: 6293
Ion Ratio Lower Upper
117 100
119 83.0 75.8 113.8
121 27.5 24.6 37.0



#42
1,2-Dichloroethane
Concen: 0.346 ug/l
RT: 8.469 min Scan# 1119
Delta R.T. 0.006 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

Tgt Ion: 62 Resp: 2751
Ion Ratio Lower Upper
62 100
98 6.5 0.0 19.4





#44

Trichloroethene

Concen: 0.293 ug/l

RT: 9.151 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN073935.D

Acq: 16 Aug 2022 08:12

Instrument :

MSVOA_N

ClientSampleId :

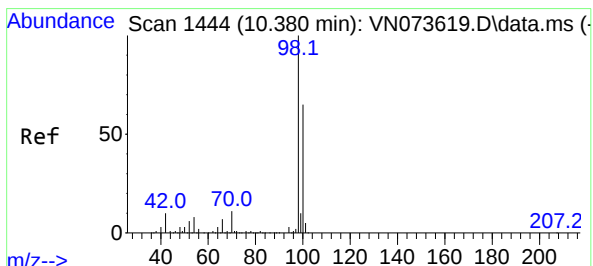
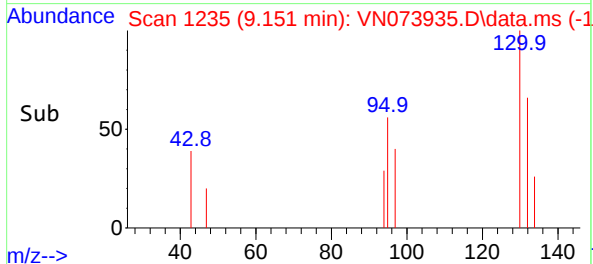
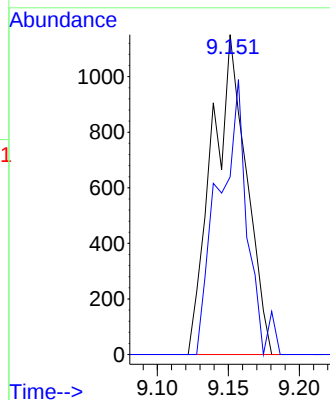
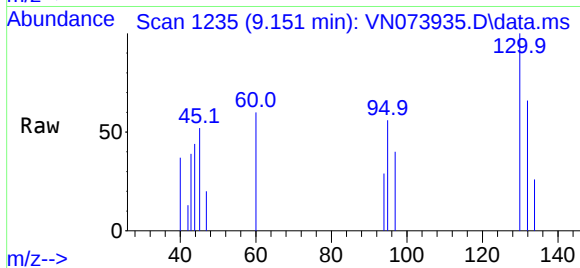
RE137-CARBON-20220810

Tgt Ion:130 Resp: 1953

Ion Ratio Lower Upper

130 100

95 55.5 0.0 186.8



#50

Toluene-d8

Concen: 46.769 ug/l

RT: 10.381 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN073935.D

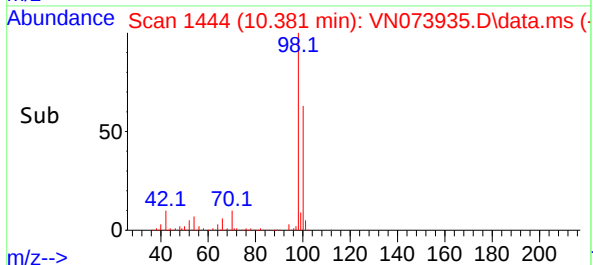
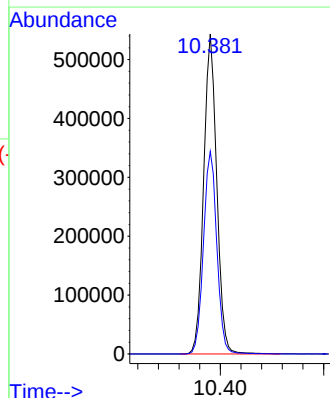
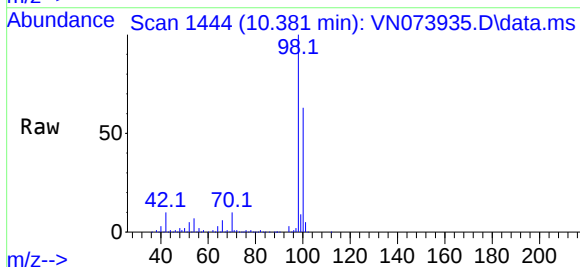
Acq: 16 Aug 2022 08:12

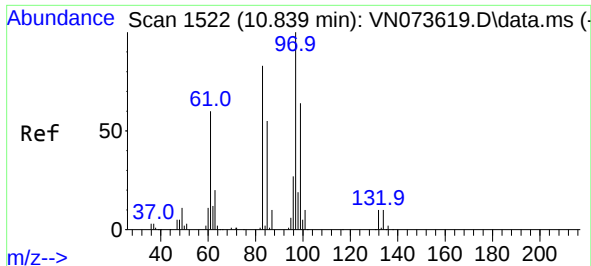
Tgt Ion: 98 Resp: 954835

Ion Ratio Lower Upper

98 100

100 64.6 52.6 78.8

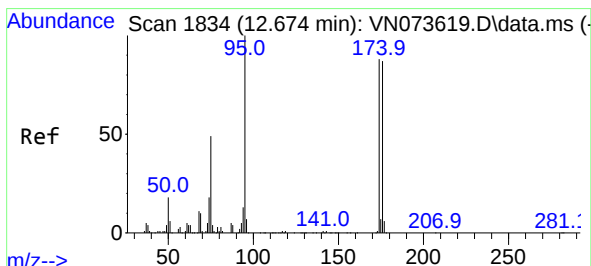
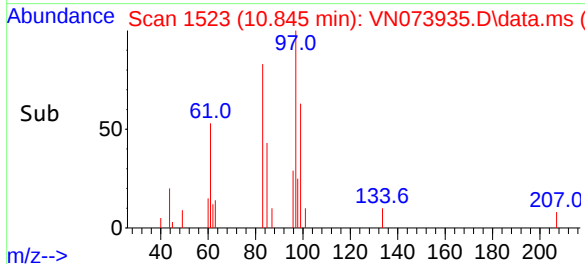
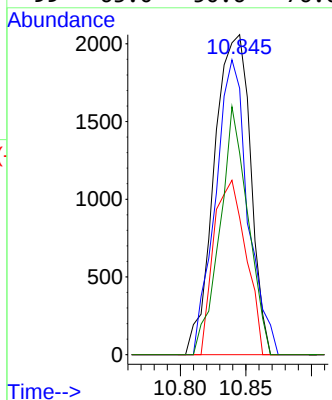
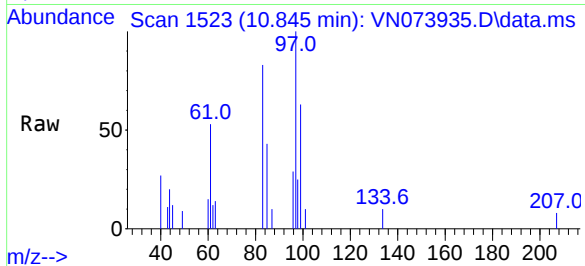




#55
1,1,2-Trichloroethane
Concen: 0.642 ug/l
RT: 10.845 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

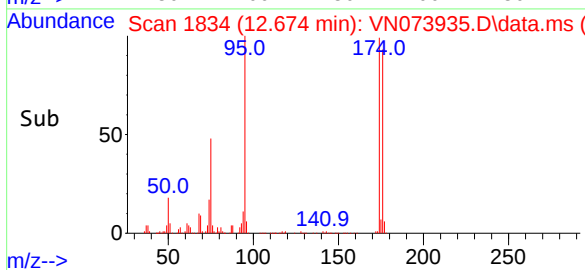
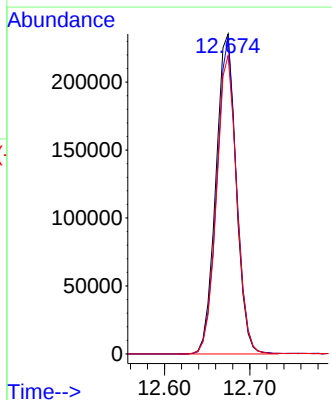
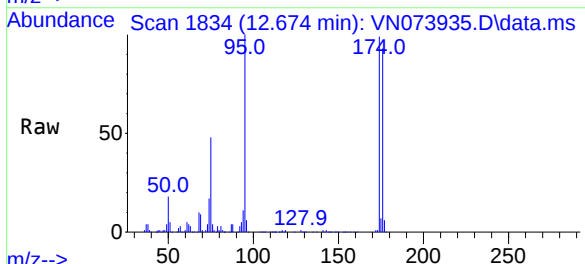
Instrument :
MSVOA_N
ClientSampleId :
RE137-CARBON-20220810

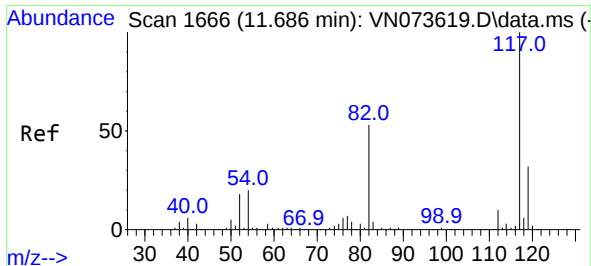
Tgt Ion:	97	Resp:	3960
Ion	Ratio	Lower	Upper
97	100		
83	83.2	66.2	99.4
85	42.8	43.9	65.9#
99	63.0	50.6	76.0



#62
4-Bromofluorobenzene
Concen: 57.500 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

Tgt Ion:	95	Resp:	389605
Ion	Ratio	Lower	Upper
95	100		
174	96.0	0.0	167.6
176	92.6	0.0	163.4

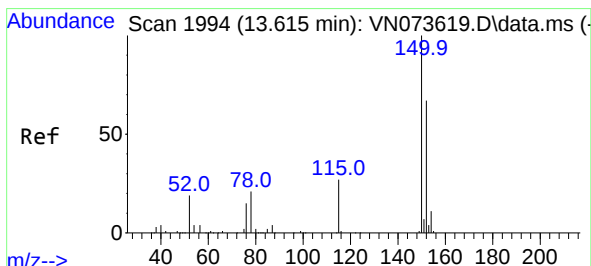
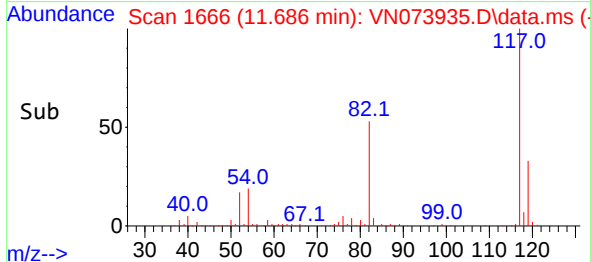
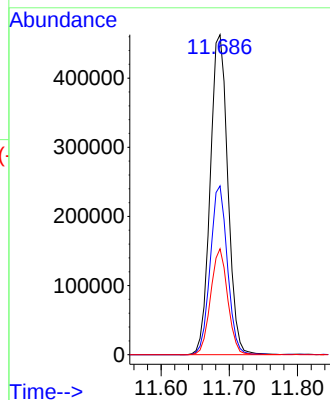
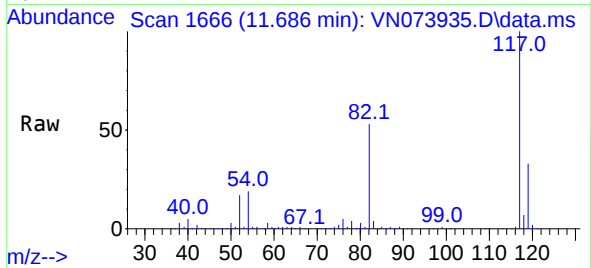




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

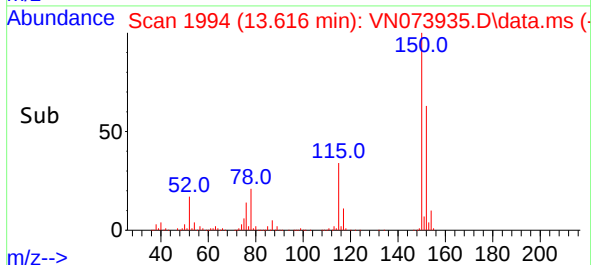
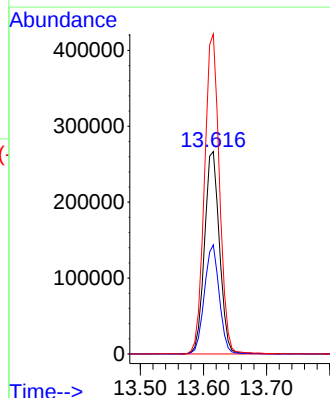
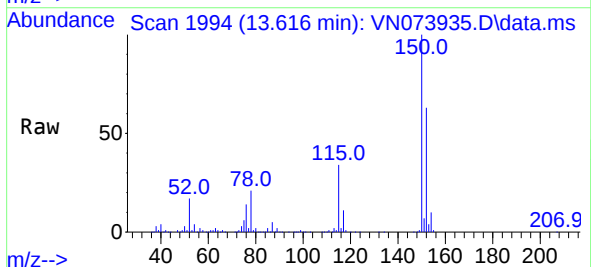
Instrument :
MSVOA_N
ClientSampleId :
RE137-CARBON-20220810

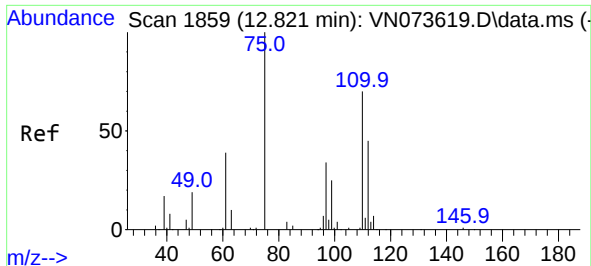
Tgt Ion:117 Resp: 831816
Ion Ratio Lower Upper
117 100
82 52.7 44.2 66.2
119 33.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

Tgt Ion:152 Resp: 439826
Ion Ratio Lower Upper
152 100
115 53.7 28.9 86.7
150 158.5 0.0 356.2

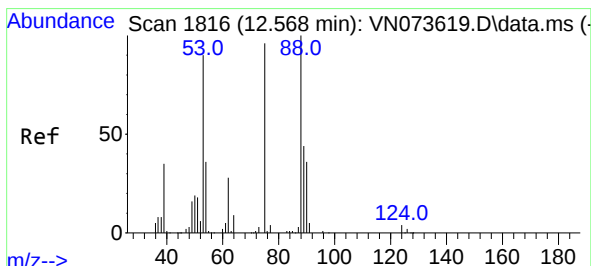
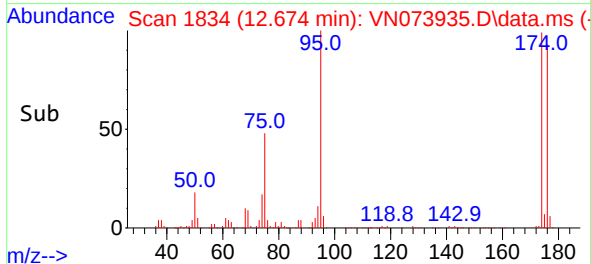
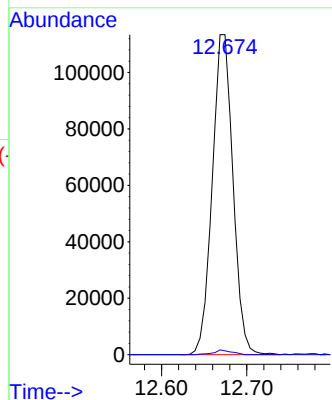
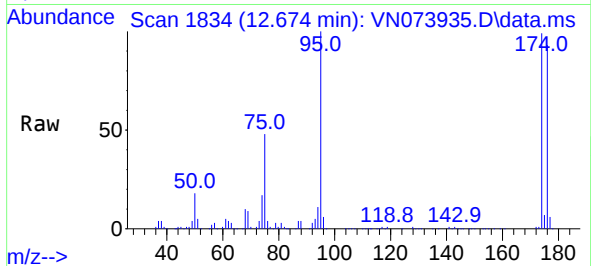




#76
1,2,3-Trichloropropane
Concen: 20.975 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

Instrument :
MSVOA_N
ClientSampleId :
RE137-CARBON-20220810

Tgt Ion: 75 Resp: 191752
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.658 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073935.D
Acq: 16 Aug 2022 08:12

Tgt Ion: 75 Resp: 191752
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

