

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092021\
 Data File : VN068568.D
 Acq On : 20 Sep 2021 20:52
 Operator : JC/MD
 Sample : M3781-13DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE115D1-20210916DL

Quant Time: Sep 21 07:30:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

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

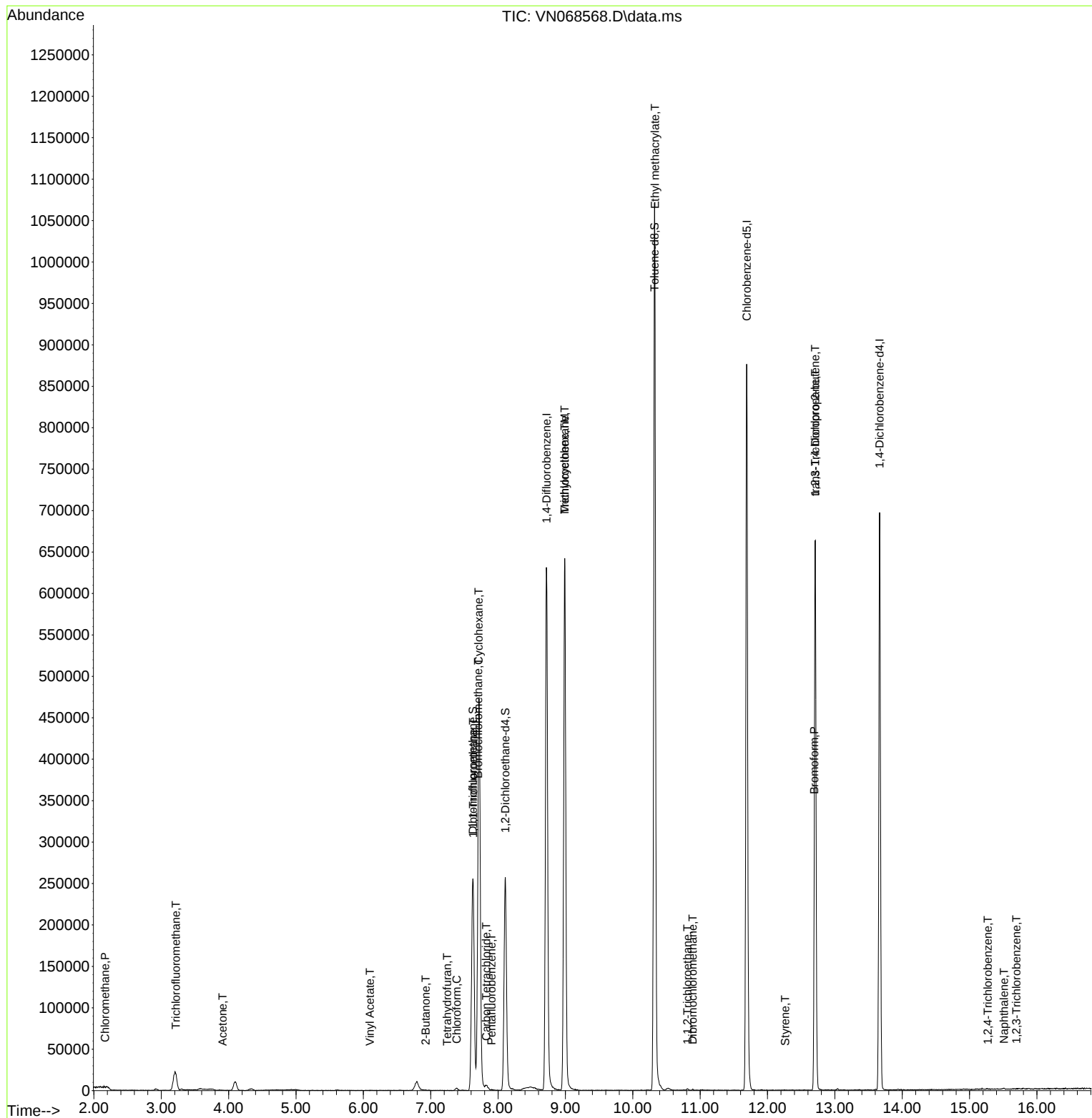
Internal Standards						
1) Pentafluorobenzene	7.901	168	255	50.000	ug/l	#-0.19
34) 1,4-Difluorobenzene	8.719	114	654072	50.000	ug/l	-0.25
63) Chlorobenzene-d5	11.693	117	372516	50.000	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	13.664	152	205719	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.107	65	237607	101579.813	ug/l	-0.33
Spiked Amount	50.000	Range 61 - 141	Recovery	= 203159.620%#		
35) Dibromofluoromethane	7.627	113	217690	55.183	ug/l	-0.40
Spiked Amount	50.000	Range 69 - 133	Recovery	= 110.360%		
50) Toluene-d8	10.322	98	818263	50.533	ug/l	-0.12
Spiked Amount	50.000	Range 65 - 126	Recovery	= 101.060%		
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range 58 - 135	Recovery	= 0.000%#		
Target Compounds						Qvalue
3) Chloromethane	2.167	50	85	46.842	ug/l #	42
7) Trichlorofluoromethane	3.218	101	12912	3260.599	ug/l	96
16) Acetone	3.910	43	53	75.210	ug/l #	41
23) Vinyl Acetate	6.098	43	32	7.770	ug/l #	67
25) 2-Butanone	6.927	43	53	46.628	ug/l #	41
28) Bromochloromethane	7.702	49	455	313.165	ug/l #	1
29) Tetrahydrofuran	7.246	42	59	79.511	ug/l #	24
30) Chloroform	7.386	83	3581	810.721	ug/l #	76
31) Cyclohexane	7.713	56	4223	1191.350	ug/l #	23
32) 1,1,1-Trichloroethane	7.630	97	80	19.523	ug/l #	25
38) Carbon Tetrachloride	7.826	117	2769	0.424	ug/l	92
39) Methylcyclohexane	8.989	83	2679	0.388	ug/l #	1
44) Trichloroethene	8.989	130	264463	51.748	ug/l	98
55) 1,1,2-Trichloroethane	10.811	97	903	0.212	ug/l #	88
56) Ethyl methacrylate	10.328	69	2371	0.449	ug/l #	62
60) Dibromochloromethane	10.891	129	274	1.848	ug/l #	11
70) Styrene	12.262	104	52	1.759	ug/l #	27
71) Bromoform	12.693	173	389	2.656	ug/l #	29
76) 1,2,3-Trichloropropane	12.709	75	114586	40.291	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.709	75	114586	123.443	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.271	180	243	3.019	ug/l #	31
95) Naphthalene	15.509	128	1160	3.629	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.697	180	102	3.001	ug/l #	51

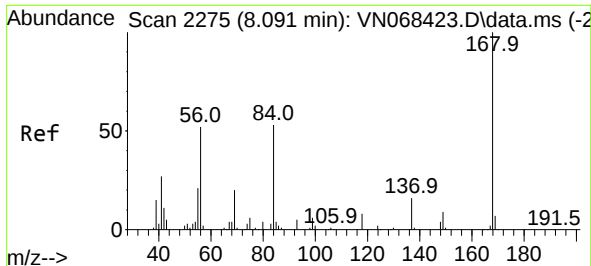
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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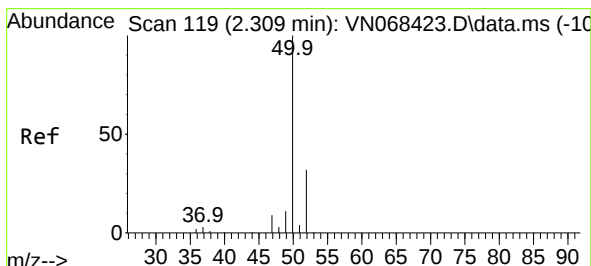
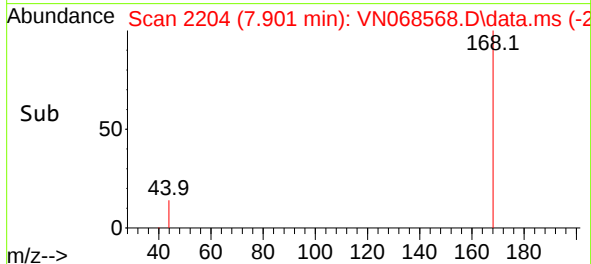
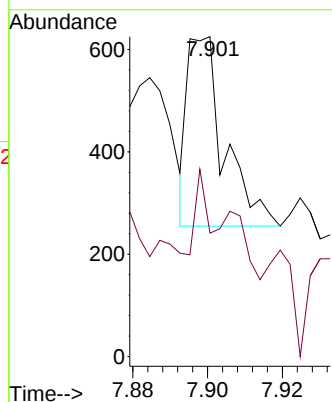
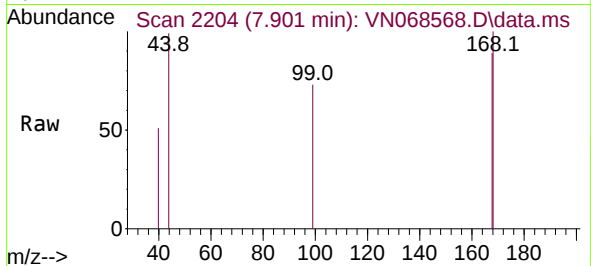




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.901 min Scan# 2204
Delta R.T. -0.190 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

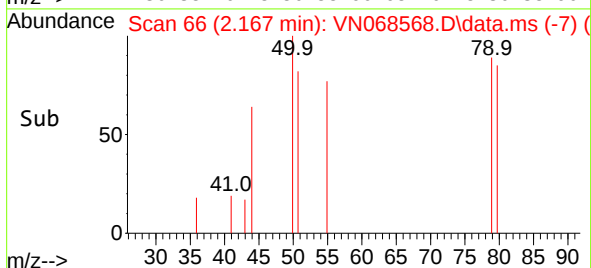
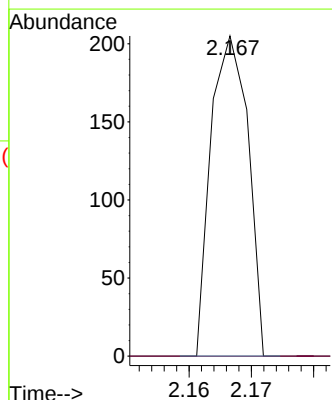
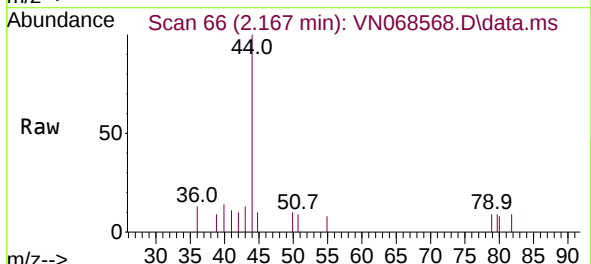
Instrument :
MSVOA_N
ClientSampleId :
RE115D1-20210916DL

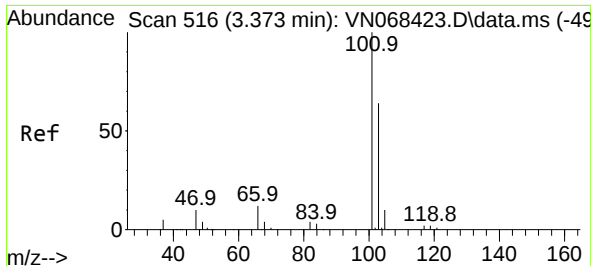
Tgt Ion:168 Resp: 255
Ion Ratio Lower Upper
168 100
99 10.5 38.2 57.4#



#3
Chloromethane
Concen: 46.842 ug/l
RT: 2.167 min Scan# 66
Delta R.T. -0.142 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

Tgt Ion: 50 Resp: 85
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

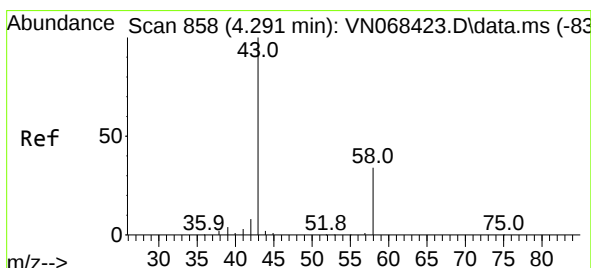
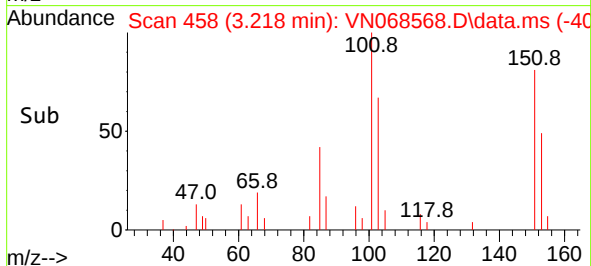
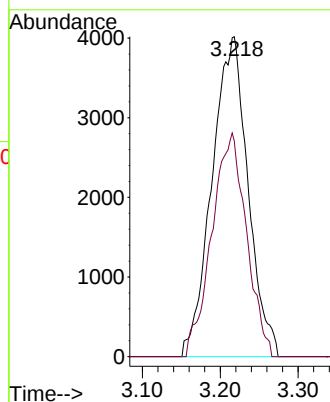
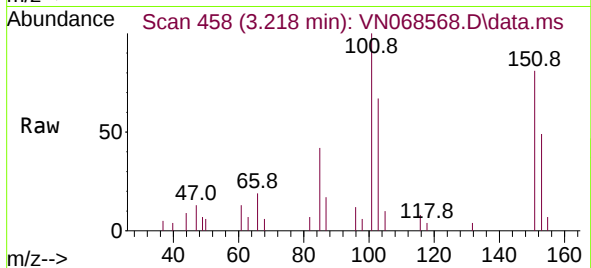




#7
 Trichlorofluoromethane
 Concen: 3260.599 ug/l
 RT: 3.218 min Scan# 458
 Delta R.T. -0.155 min
 Lab File: VN068568.D
 Acq: 20 Sep 2021 20:52

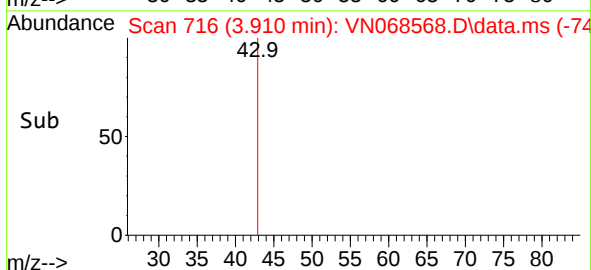
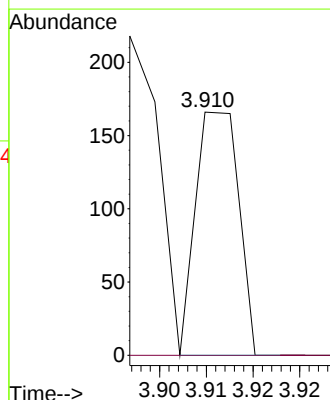
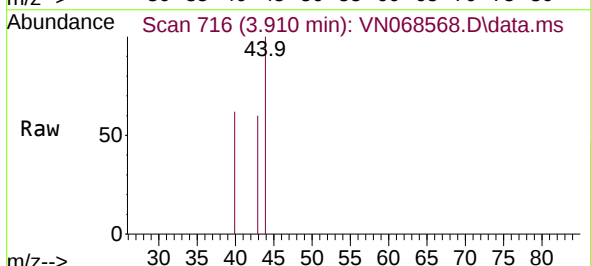
Instrument :
 MSVOA_N
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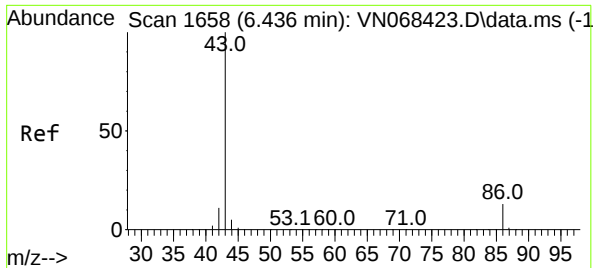
Tgt Ion:101 Resp: 12912
 Ion Ratio Lower Upper
 101 100
 103 67.4 51.5 77.3



#16
 Acetone
 Concen: 75.210 ug/l
 RT: 3.910 min Scan# 716
 Delta R.T. -0.381 min
 Lab File: VN068568.D
 Acq: 20 Sep 2021 20:52

Tgt Ion: 43 Resp: 53
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.0 40.6#

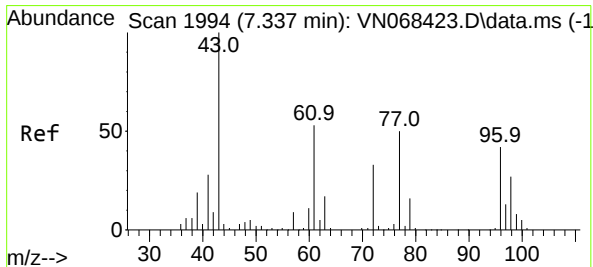
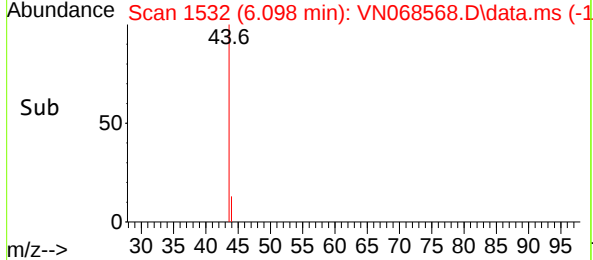
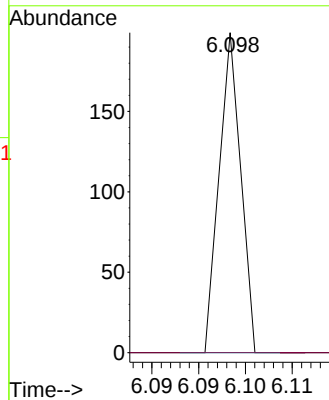
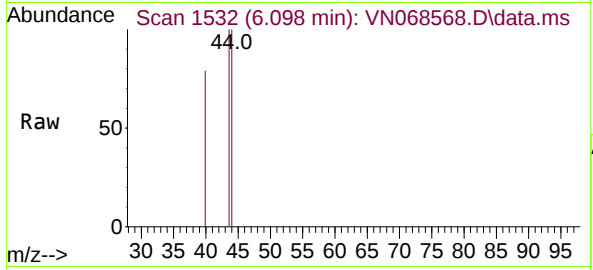




#23
 Vinyl Acetate
 Concen: 7.770 ug/l
 RT: 6.098 min Scan# 1532
 Delta R.T. -0.338 min
 Lab File: VN068568.D
 Acq: 20 Sep 2021 20:52

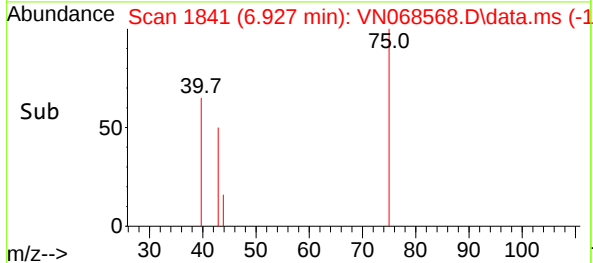
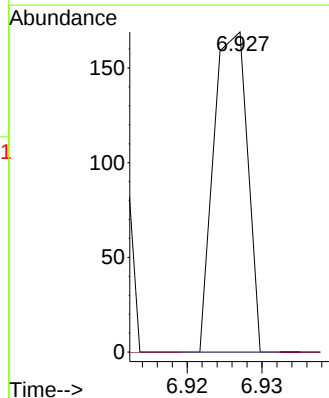
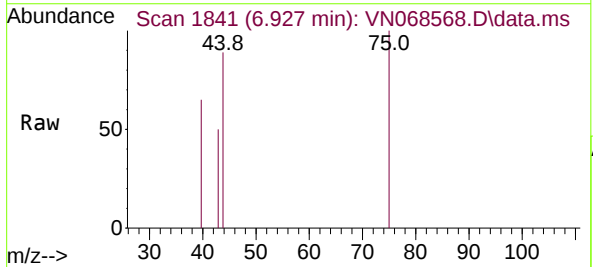
Instrument :
 MSVOA_N
 ClientSampleId :
 RE115D1-20210916DL

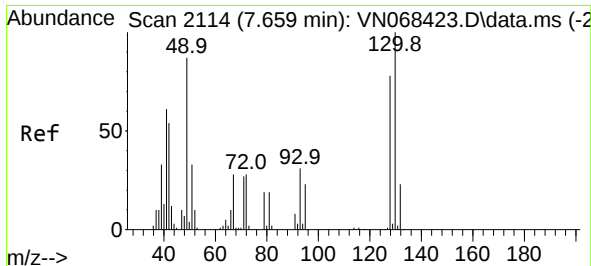
Tgt Ion: 43 Resp: 32
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.7 16.1#



#25
 2-Butanone
 Concen: 46.628 ug/l
 RT: 6.927 min Scan# 1841
 Delta R.T. -0.410 min
 Lab File: VN068568.D
 Acq: 20 Sep 2021 20:52

Tgt Ion: 43 Resp: 53
 Ion Ratio Lower Upper
 43 100
 72 0.0 26.7 40.1#

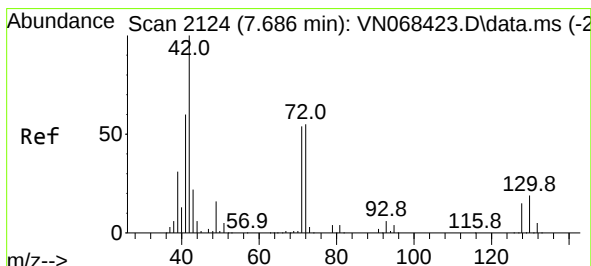
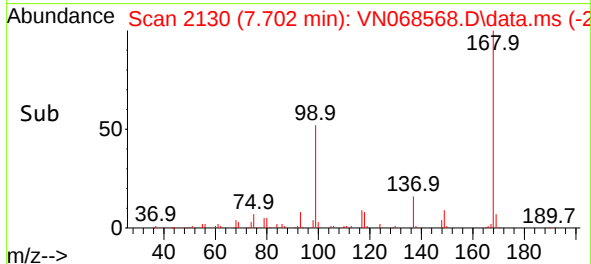
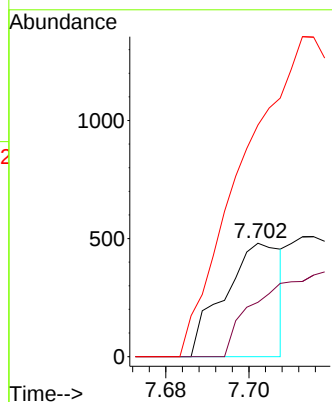
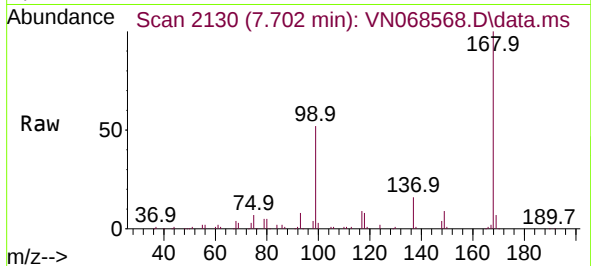




#28
Bromochloromethane
Concen: 313.165 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.043 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

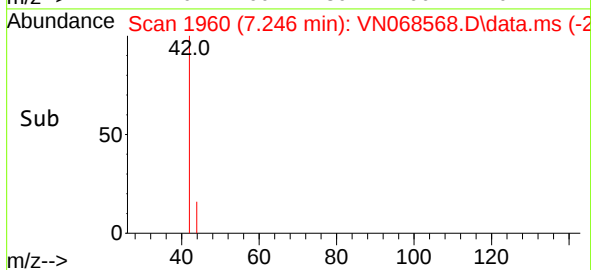
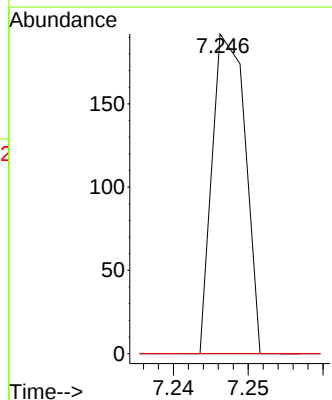
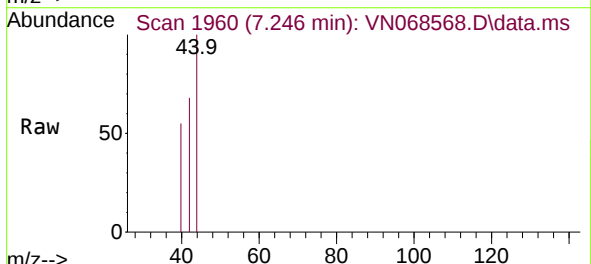
Instrument :
MSVOA_N
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RE115D1-20210916DL

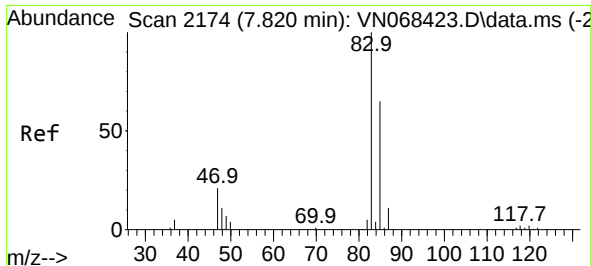
Tgt Ion: 49 Resp: 455
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 687.7 92.5 138.7#



#29
Tetrahydrofuran
Concen: 79.511 ug/l
RT: 7.246 min Scan# 1960
Delta R.T. -0.440 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

Tgt Ion: 42 Resp: 59
Ion Ratio Lower Upper
42 100
72 0.0 44.4 66.6#
71 0.0 42.3 63.5#





#30

Chloroform

Concen: 810.721 ug/l

RT: 7.386 min Scan# 2012

Delta R.T. -0.434 min

Lab File: VN068568.D

Acq: 20 Sep 2021 20:52

Tgt Ion: 83 Resp: 3581

Ion Ratio Lower Upper

83 100

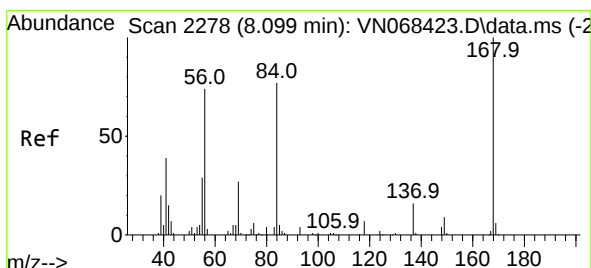
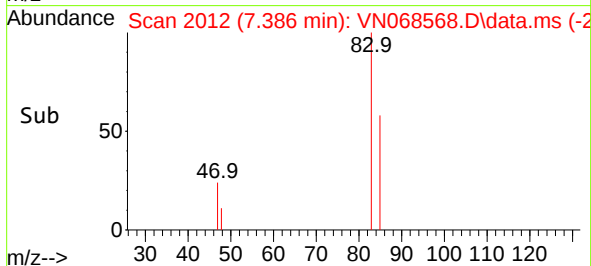
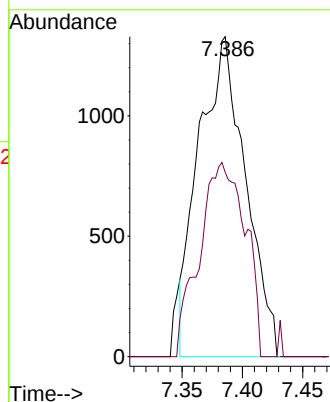
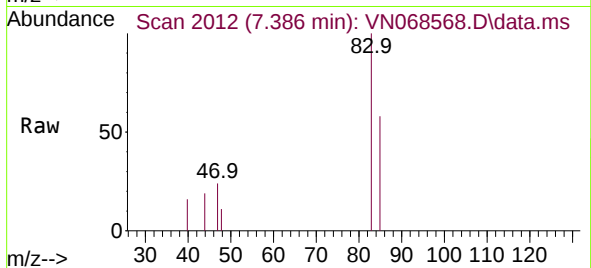
85 46.3 52.2 78.4#

Instrument :

MSVOA_N

ClientSampleId :

RE115D1-20210916DL



#31

Cyclohexane

Concen: 1191.350 ug/l

RT: 7.713 min Scan# 2134

Delta R.T. -0.386 min

Lab File: VN068568.D

Acq: 20 Sep 2021 20:52

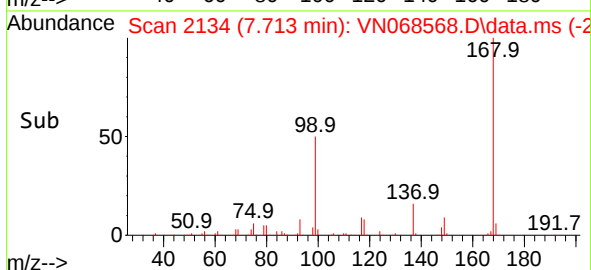
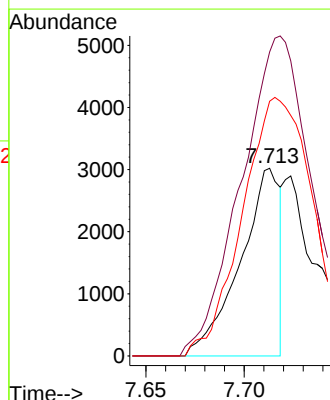
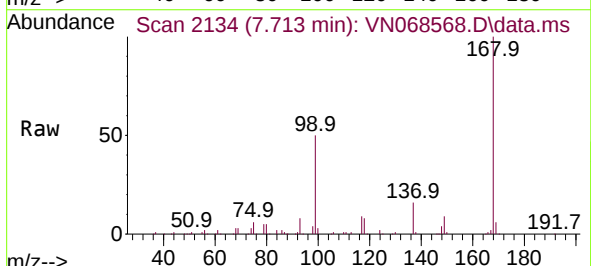
Tgt Ion: 56 Resp: 4223

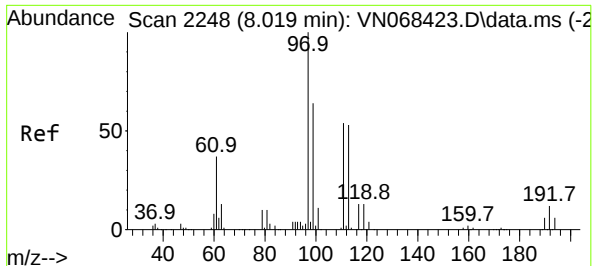
Ion Ratio Lower Upper

56 100

69 162.0 29.4 44.0#

84 135.7 83.6 125.4#



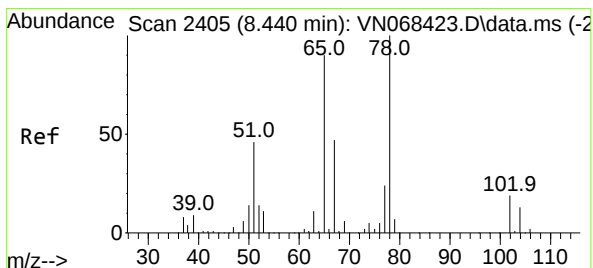
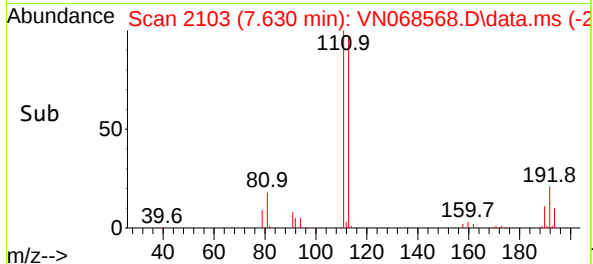
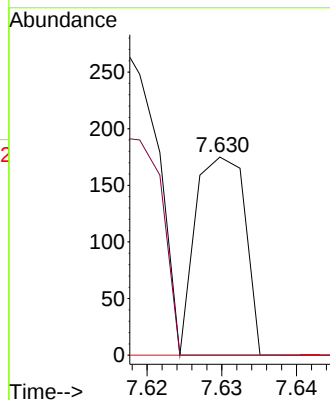
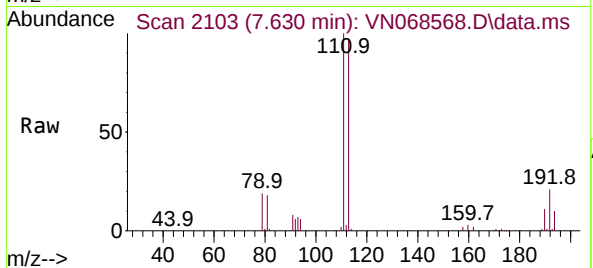


#32

1,1,1-Trichloroethane
Concen: 19.523 ug/l
RT: 7.630 min Scan# 2103
Delta R.T. -0.389 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

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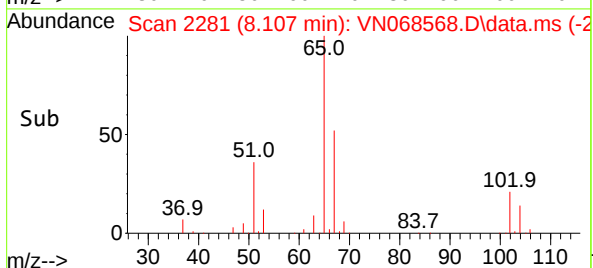
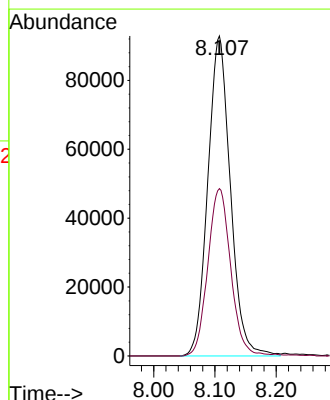
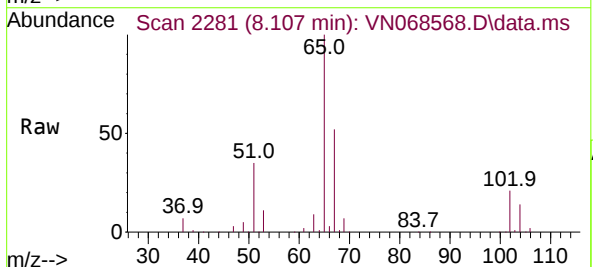
Tgt Ion: 97 Resp: 80
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 0.0 30.3 45.5#

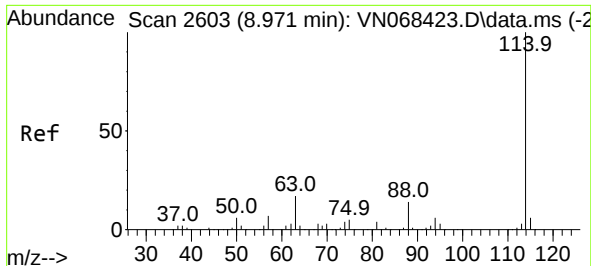


#33

1,2-Dichloroethane-d4
Concen: 101579.813 ug/l
RT: 8.107 min Scan# 2281
Delta R.T. -0.333 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

Tgt Ion: 65 Resp: 237607
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.0

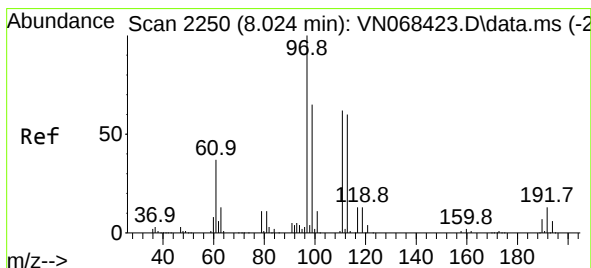
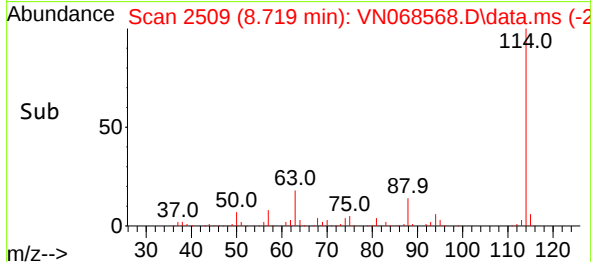
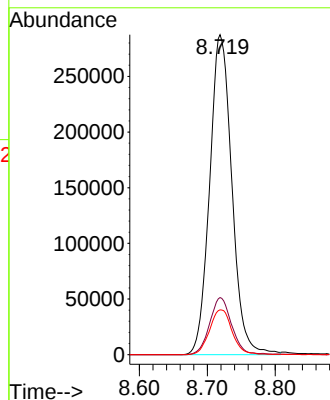
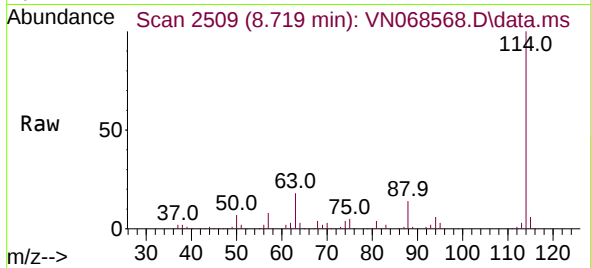




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.719 min Scan# 2509
Delta R.T. -0.252 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

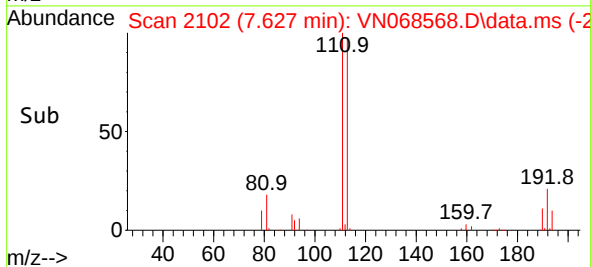
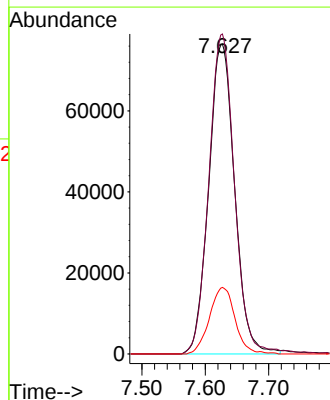
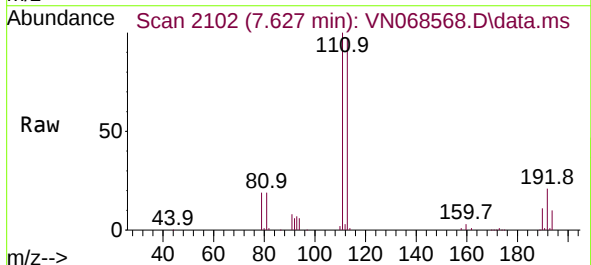
Instrument :
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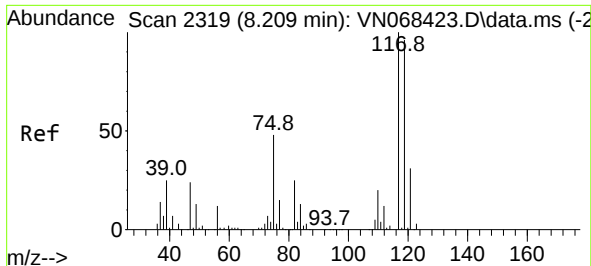
Tgt Ion:114 Resp: 654072
Ion Ratio Lower Upper
114 100
63 17.8 0.0 33.2
88 14.0 0.0 28.4



#35
Dibromofluoromethane
Concen: 55.183 ug/l
RT: 7.627 min Scan# 2102
Delta R.T. -0.397 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

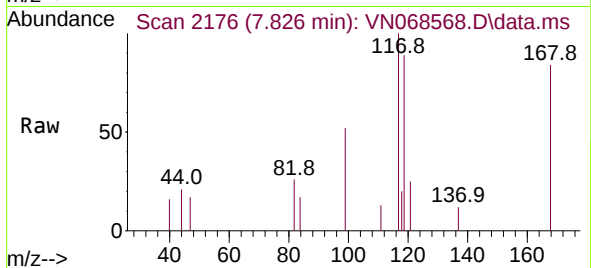
Tgt Ion:113 Resp: 217690
Ion Ratio Lower Upper
113 100
111 101.8 81.1 121.7
192 21.0 17.7 26.5



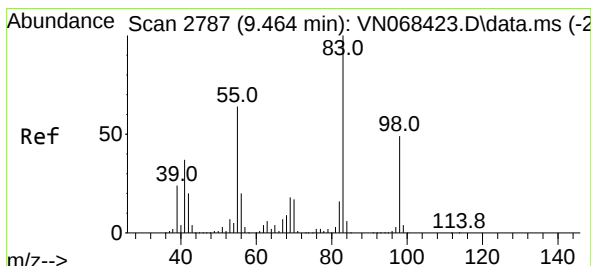
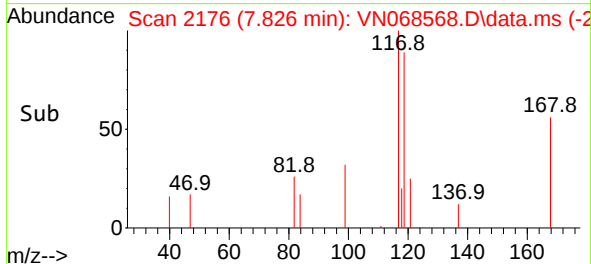
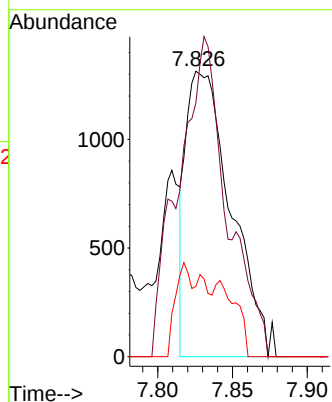


#38
Carbon Tetrachloride
Concen: 0.424 ug/l
RT: 7.826 min Scan# 2176
Delta R.T. -0.383 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

Instrument :
MSVOA_N
ClientSampleId :
RE115D1-20210916DL

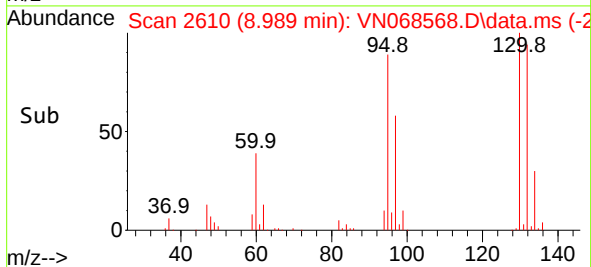
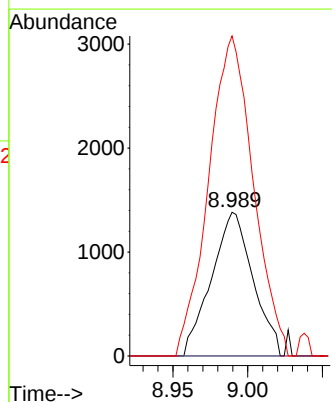
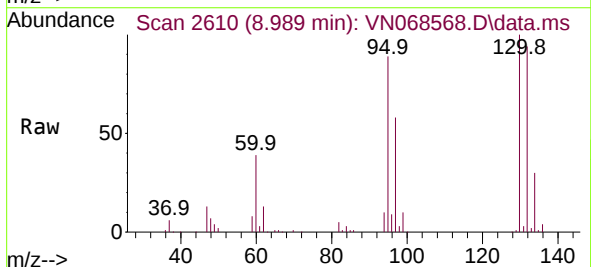


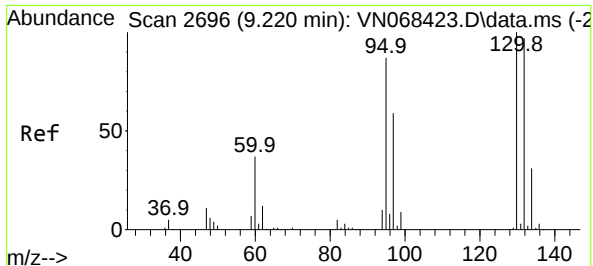
Tgt Ion: 117 Resp: 2769
Ion Ratio Lower Upper
117 100
119 88.9 76.6 114.8
121 24.7 24.5 36.7



#39
Methylcyclohexane
Concen: 0.388 ug/l
RT: 8.989 min Scan# 2610
Delta R.T. -0.475 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

Tgt Ion: 83 Resp: 2679
Ion Ratio Lower Upper
83 100
55 0.0 51.0 76.4#
98 209.9 39.5 59.3#

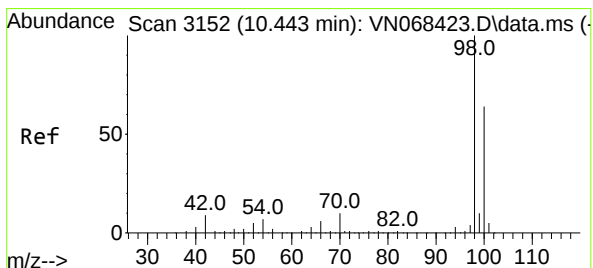
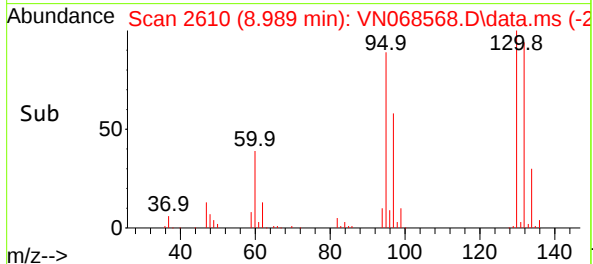
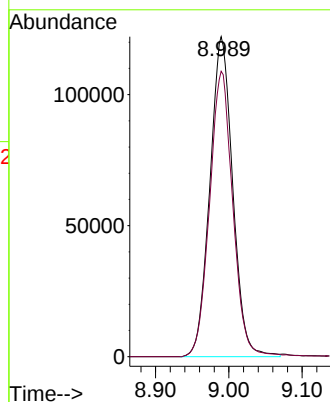
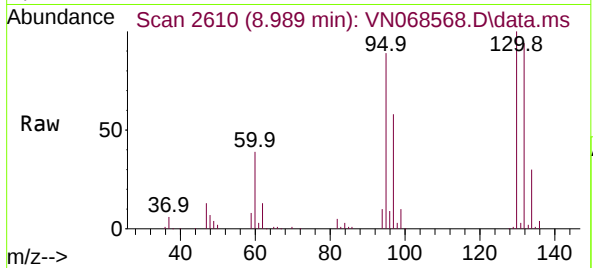




#44
Trichloroethene
Concen: 51.748 ug/l
RT: 8.989 min Scan# 2610
Delta R.T. -0.231 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

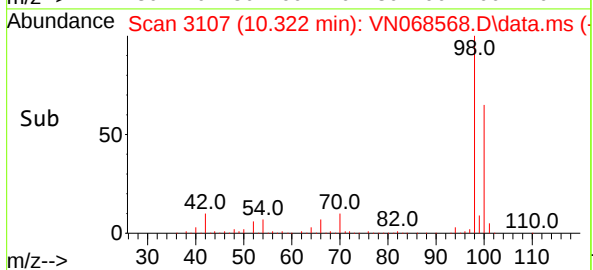
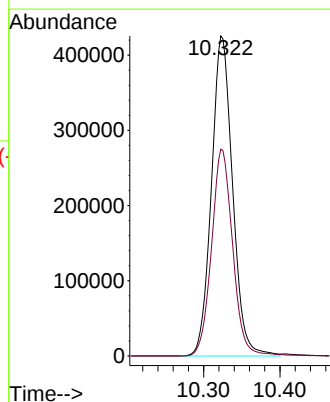
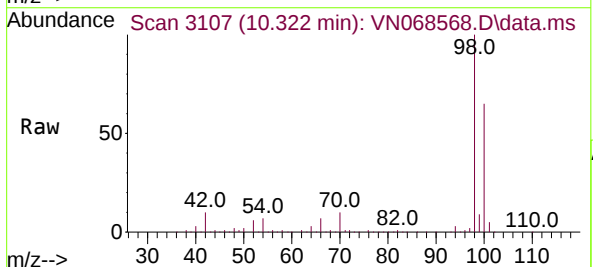
Instrument :
MSVOA_N
ClientSampleId :
RE115D1-20210916DL

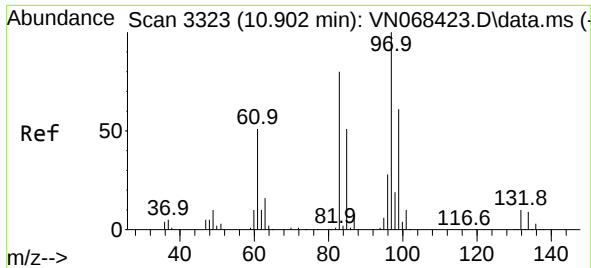
Tgt Ion:130 Resp: 264463
Ion Ratio Lower Upper
130 100
95 89.2 0.0 173.8



#50
Toluene-d8
Concen: 50.533 ug/l
RT: 10.322 min Scan# 3107
Delta R.T. -0.121 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

Tgt Ion: 98 Resp: 818263
Ion Ratio Lower Upper
98 100
100 64.7 51.0 76.6

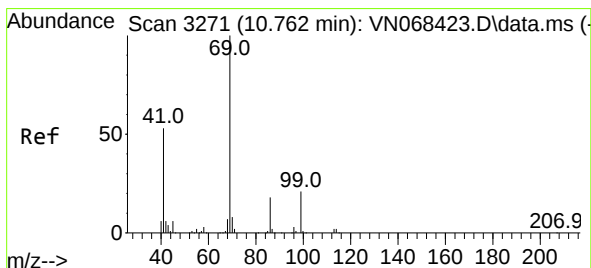
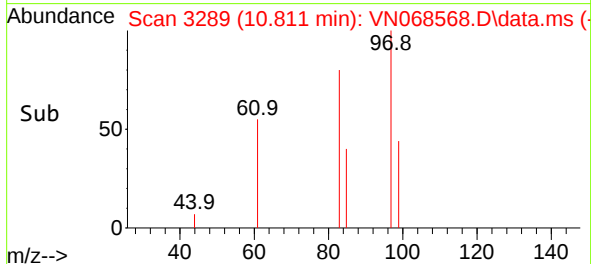
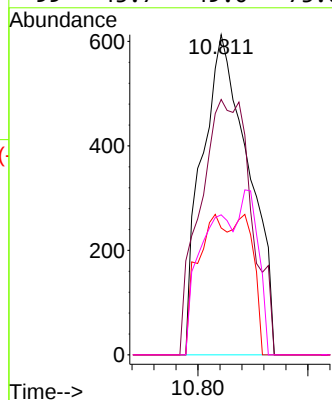
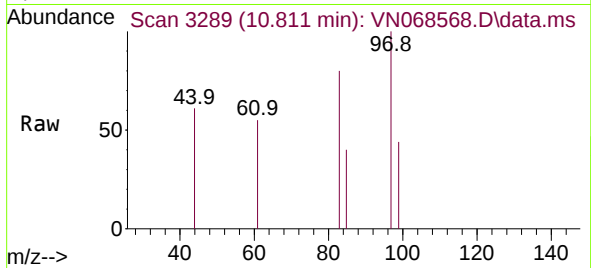




#55
1,1,2-Trichloroethane
Concen: 0.212 ug/l
RT: 10.811 min Scan# 3289
Delta R.T. -0.091 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

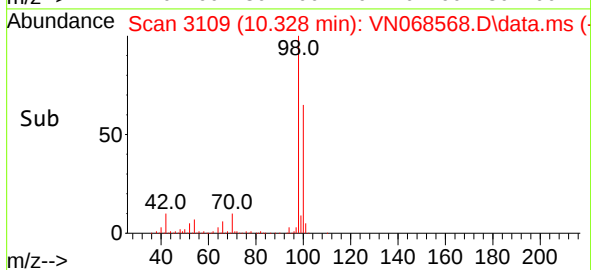
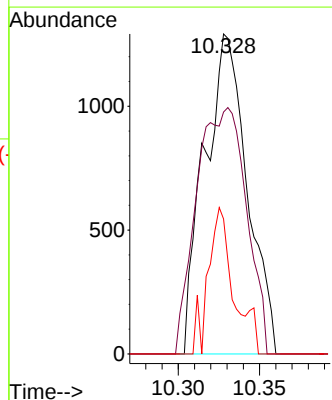
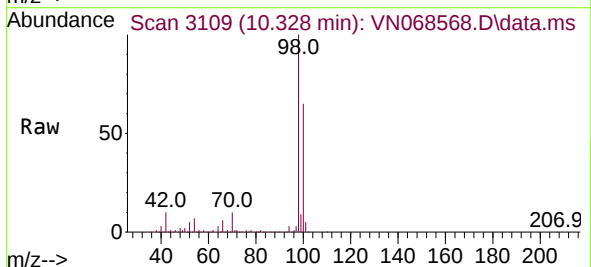
Instrument :
MSVOA_N
ClientSampleId :
RE115D1-20210916DL

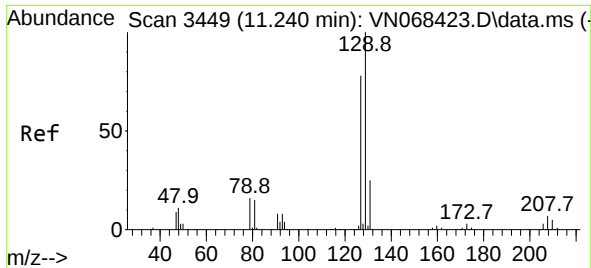
Tgt Ion:	97	Resp:	903
Ion	Ratio	Lower	Upper
97	100		
83	79.8	63.7	95.5
85	39.6	40.7	61.1#
99	43.7	49.0	73.6#



#56
Ethyl methacrylate
Concen: 0.449 ug/l
RT: 10.328 min Scan# 3109
Delta R.T. -0.434 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

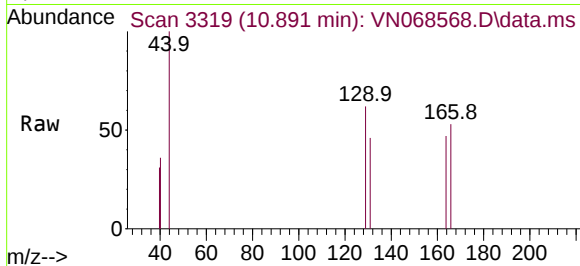
Tgt Ion:	69	Resp:	2371
Ion	Ratio	Lower	Upper
69	100		
41	89.5	42.4	63.6#
39	24.6	28.5	42.7#



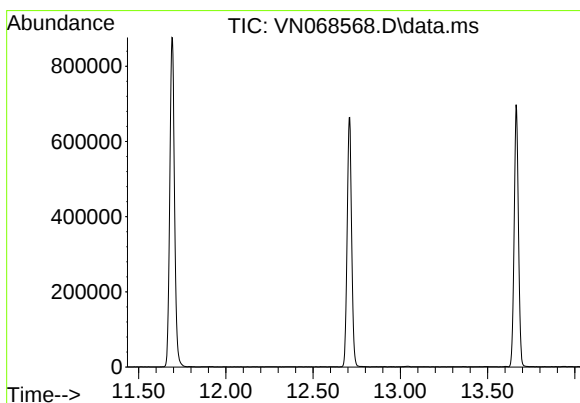
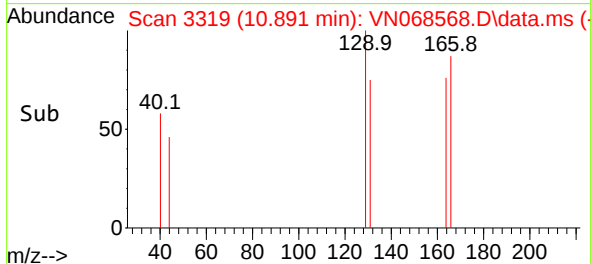
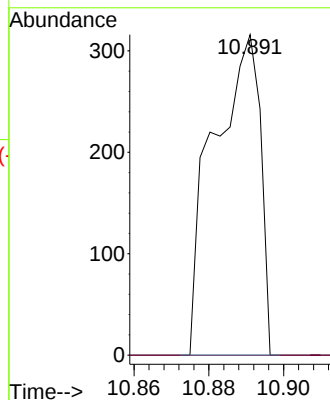


#60
Dibromochloromethane
Concen: 1.848 ug/l
RT: 10.891 min Scan# 3319
Delta R.T. -0.349 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

Instrument :
MSVOA_N
ClientSampleId :
RE115D1-20210916DL



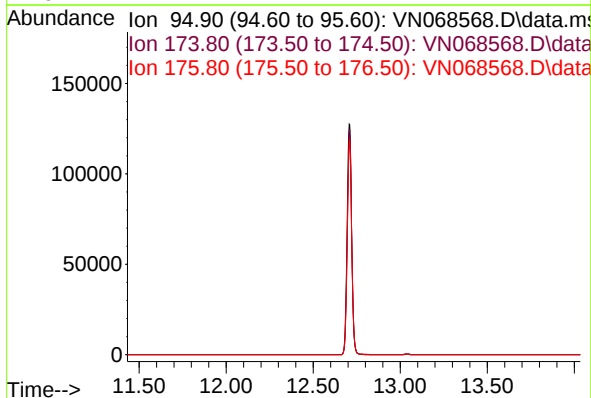
Tgt Ion:129 Resp: 274
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

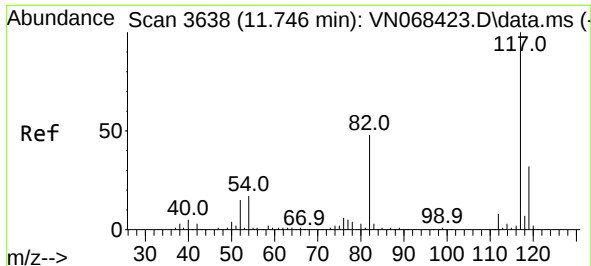


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.73 min

Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

Tgt Ion: 95
Sig Exp Ratio
95 100
174 107.0
176 102.7

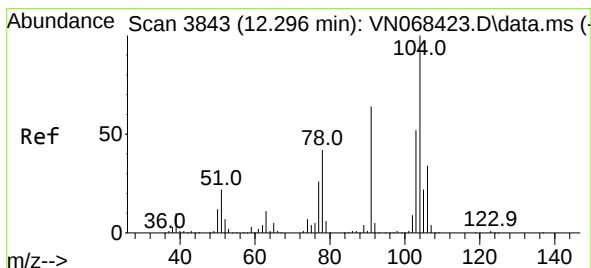
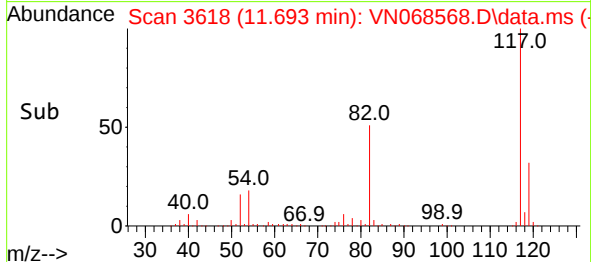
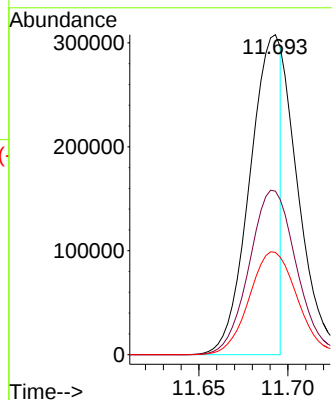
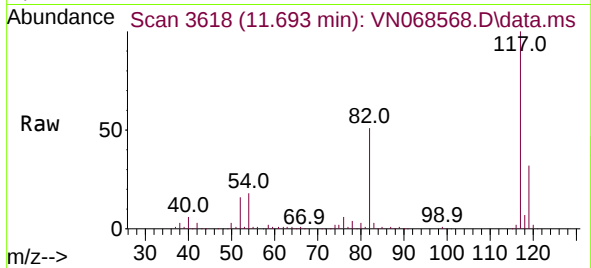




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.693 min Scan# 3618
Delta R.T. -0.053 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

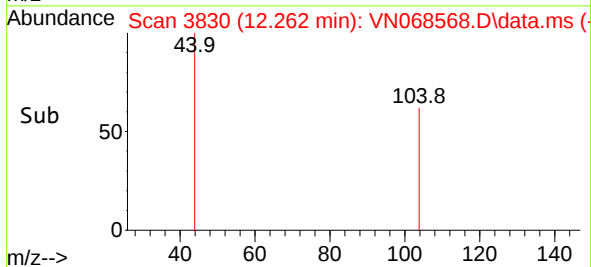
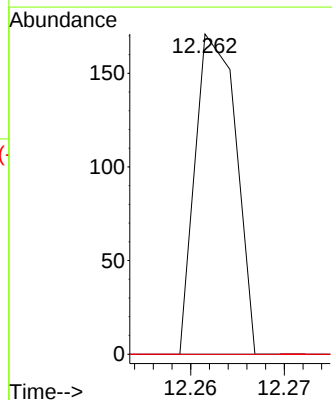
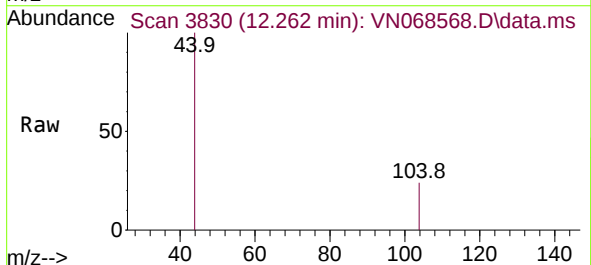
Instrument :
MSVOA_N
ClientSampleId :
RE115D1-20210916DL

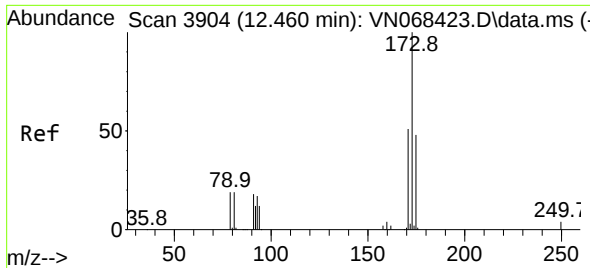
Tgt Ion:117 Resp: 372516
Ion Ratio Lower Upper
117 100
82 51.1 38.7 58.1
119 31.9 25.5 38.3



#70
Styrene
Concen: 1.759 ug/l
RT: 12.262 min Scan# 3830
Delta R.T. -0.034 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

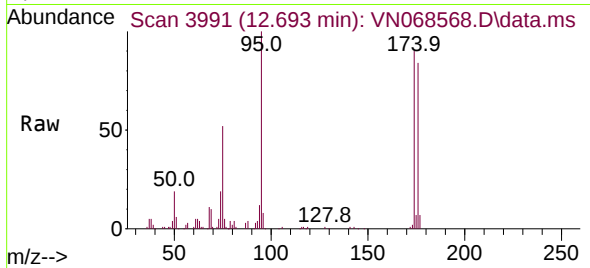
Tgt Ion:104 Resp: 52
Ion Ratio Lower Upper
104 100
78 0.0 36.2 54.2#
103 0.0 44.4 66.6#



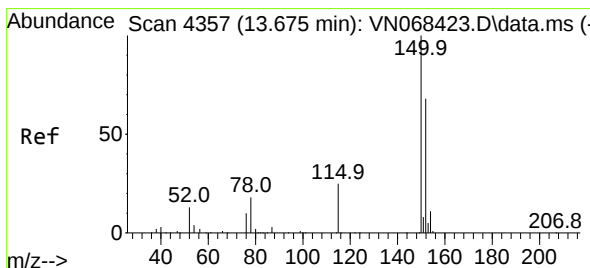
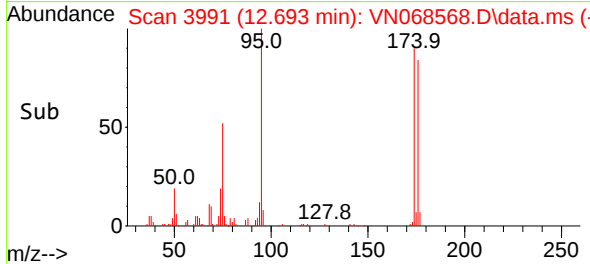
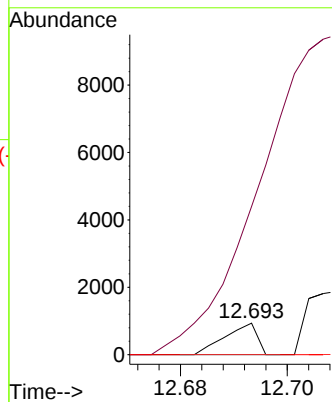


#71
Bromoform
Concen: 2.656 ug/l
RT: 12.693 min Scan# 3991
Delta R.T. 0.233 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

Instrument :
MSVOA_N
ClientSampleId :
RE115D1-20210916DL

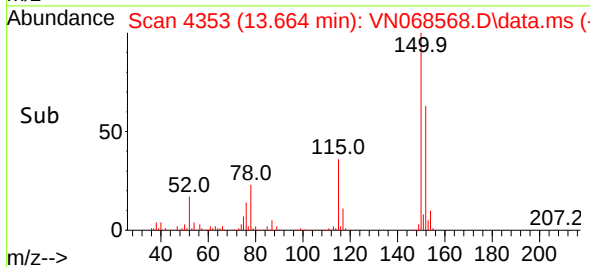
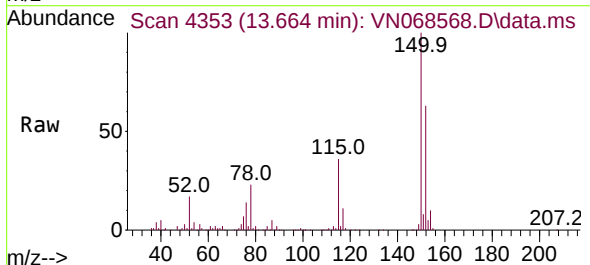
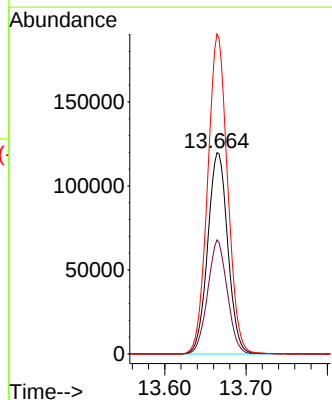


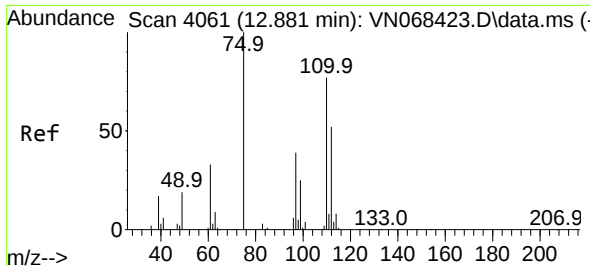
Tgt Ion:173 Resp: 389
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.664 min Scan# 4353
Delta R.T. -0.011 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

Tgt Ion:152 Resp: 205719
Ion Ratio Lower Upper
152 100
115 55.4 25.6 76.6
150 157.4 0.0 346.8

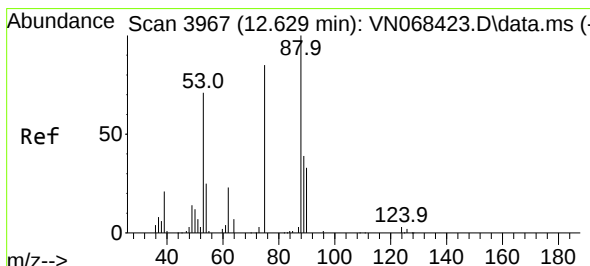
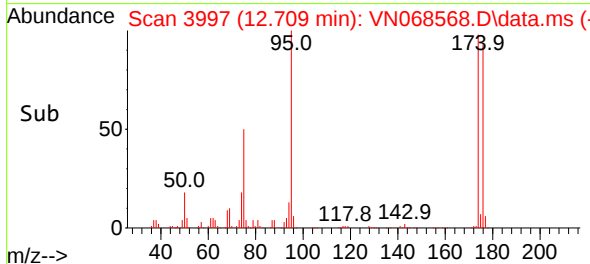
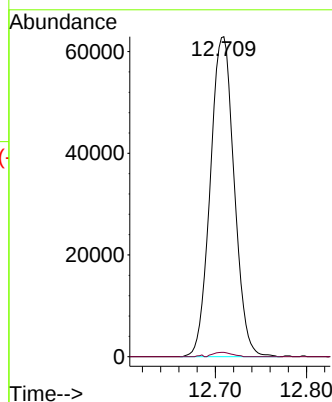
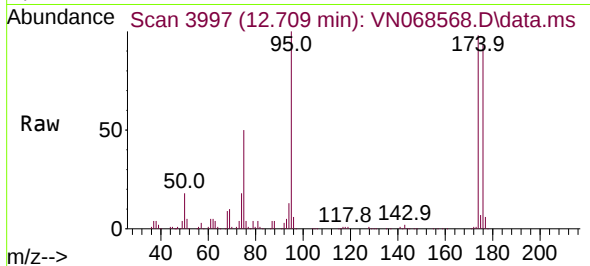




#76
1,2,3-Trichloropropane
Concen: 40.291 ug/l
RT: 12.709 min Scan# 3997
Delta R.T. -0.172 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

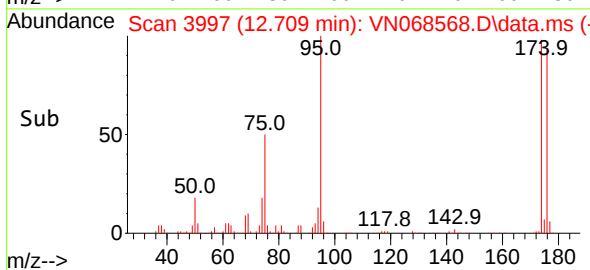
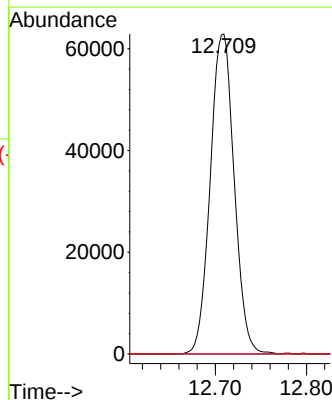
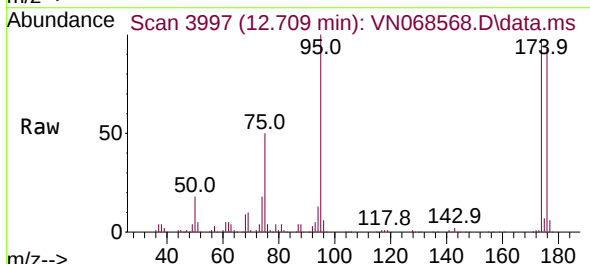
Instrument :
MSVOA_N
ClientSampleId :
RE115D1-20210916DL

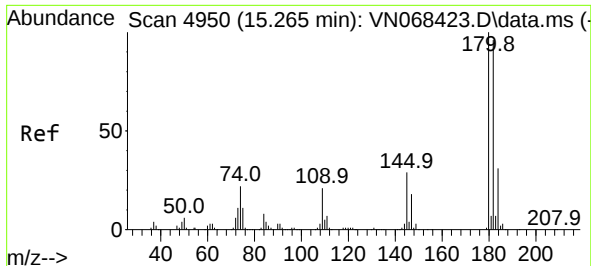
Tgt Ion: 75 Resp: 114586
Ion Ratio Lower Upper
75 100
77 1.1 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.443 ug/l
RT: 12.709 min Scan# 3997
Delta R.T. 0.080 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

Tgt Ion: 75 Resp: 114586
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#

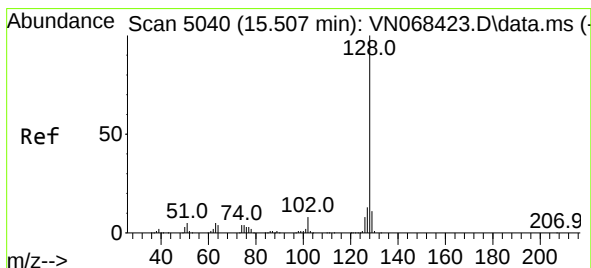
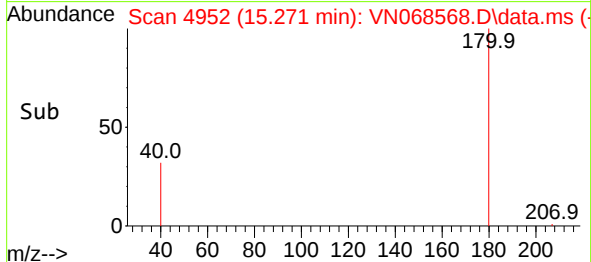
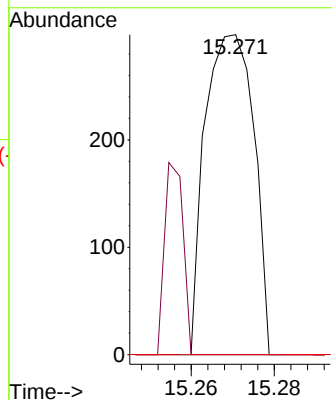
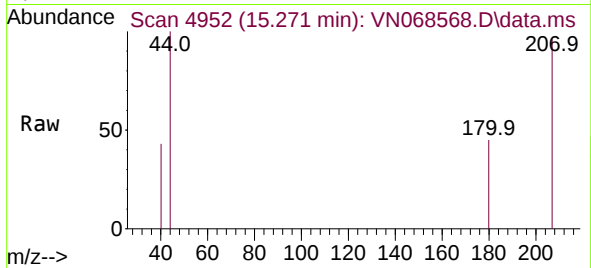




#93
1,2,4-Trichlorobenzene
Concen: 3.019 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

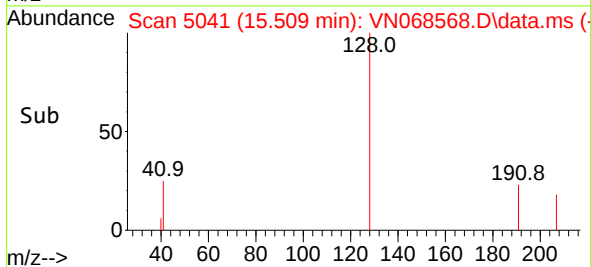
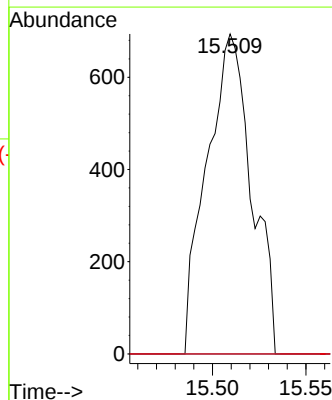
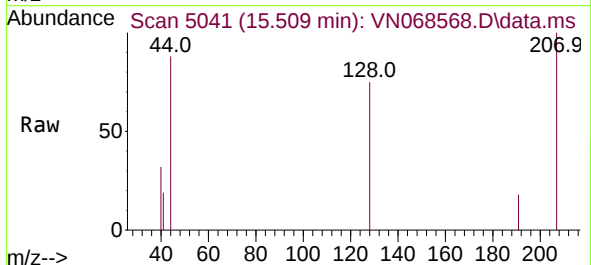
Instrument :
MSVOA_N
ClientSampleId :
RE115D1-20210916DL

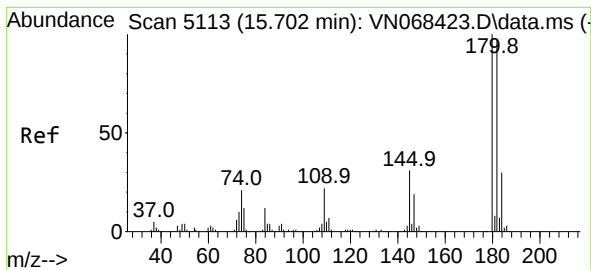
Tgt Ion:180 Resp: 243
Ion Ratio Lower Upper
180 100
182 23.0 47.5 142.6#
145 0.0 14.1 42.4#



#95
Naphthalene
Concen: 3.629 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068568.D
Acq: 20 Sep 2021 20:52

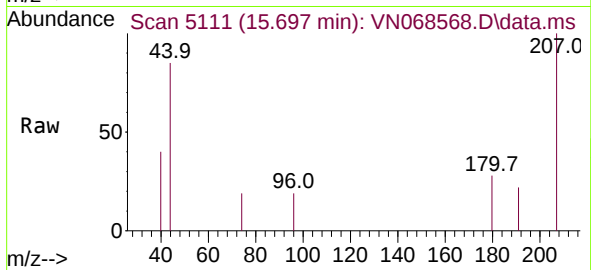
Tgt Ion:128 Resp: 1160
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.001 ug/l
 RT: 15.697 min Scan# 5111
 Delta R.T. -0.005 min
 Lab File: VN068568.D
 Acq: 20 Sep 2021 20:52

Instrument :
 MSVOA_N
 ClientSampleId :
 RE115D1-20210916DL



Tgt Ion:	180	Resp:	102
Ion Ratio	Lower	Upper	
180	100		
182	50.0	47.9	143.6
145	0.0	15.2	45.5#

