

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092021\
 Data File : VN068571.D
 Acq On : 20 Sep 2021 22:07
 Operator : JC/MD
 Sample : M3781-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE135D2-20210915RE

Quant Time: Sep 21 07:31:05 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)

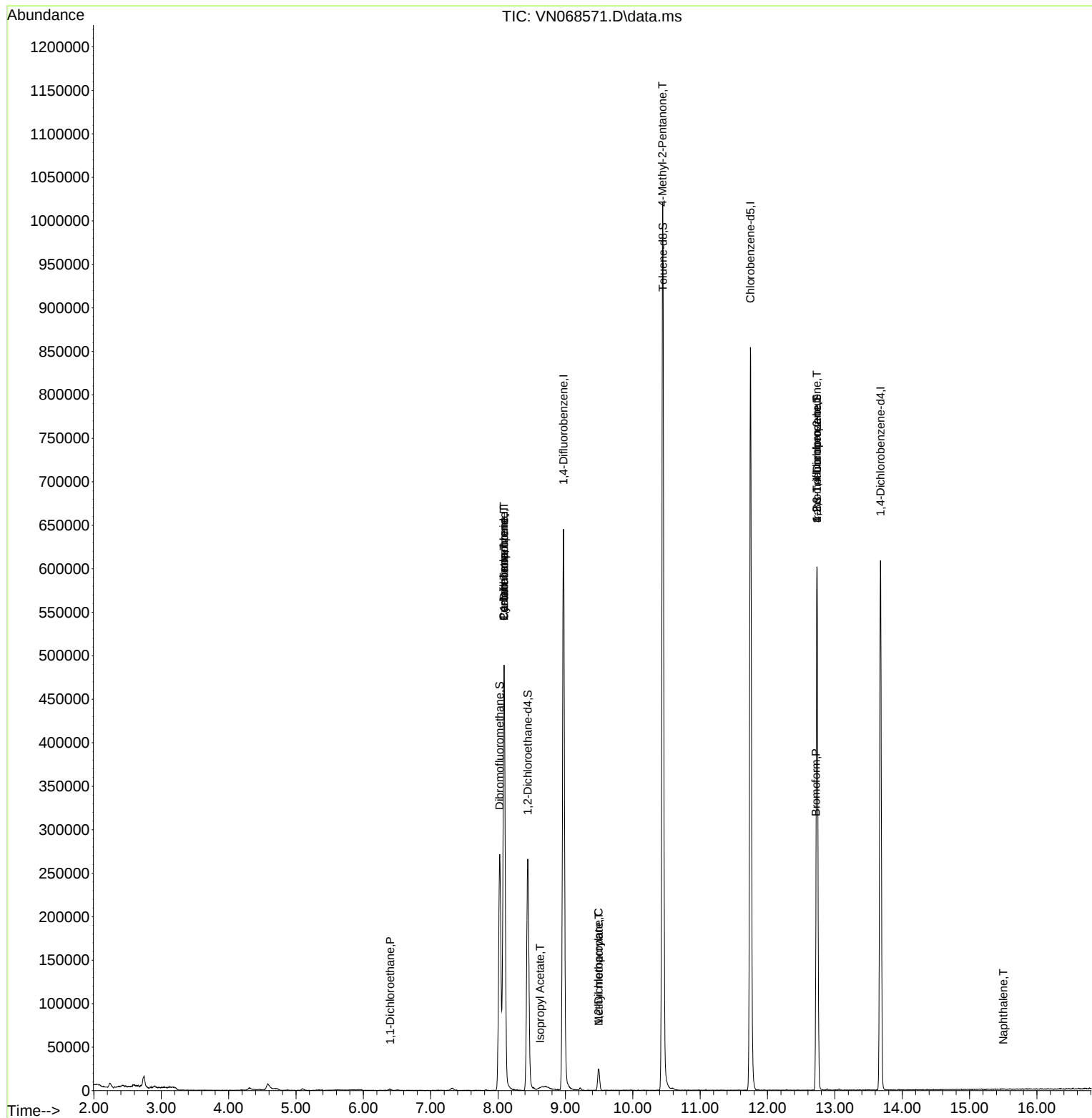
Internal Standards						
1) Pentafluorobenzene	8.088	168	398090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	611250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	544103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	180689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	229590	62.872	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 125.740%			
35) Dibromofluoromethane	8.024	113	202331	54.882	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 109.760%			
50) Toluene-d8	10.446	98	767913	50.731	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.460%			
62) 4-Bromofluorobenzene	12.734	95	210494	42.879	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 85.760%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	1074	Below Cal	#	80
5) Bromomethane	2.826	94	26	Below Cal	#	3
11) Tert butyl alcohol	5.377	59	341	Below Cal	#	84
16) Acetone	4.309	43	3816	Below Cal		96
18) Methyl Acetate	4.846	43	140	Below Cal	#	45
20) Methylene Chloride	5.101	84	1590	Below Cal	#	72
24) 1,1-Dichloroethane	6.399	63	1426	0.245 ug/l	#	81
31) Cyclohexane	8.088	56	7286	1.317 ug/l	#	27
36) 1,1-Dichloropropene	8.088	75	27987	5.492 ug/l	#	42
38) Carbon Tetrachloride	8.088	117	39752	6.511 ug/l	#	16
43) Isopropyl Acetate	8.625	43	2658	0.389 ug/l	#	51
45) 1,2-Dichloropropane	9.491	63	9620	2.671 ug/l		89
48) Methyl methacrylate	9.496	41	5820	2.038 ug/l	#	27
51) 4-Methyl-2-Pentanone	10.440	43	1784	0.457 ug/l	#	1
71) Bromoform	12.720	173	334	2.603 ug/l	#	1
76) 1,2,3-Trichloropropane	12.734	75	107600	43.154 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.734	75	107600	131.974 ug/l	#	13
95) Naphthalene	15.501	128	181	3.520 ug/l	#	69

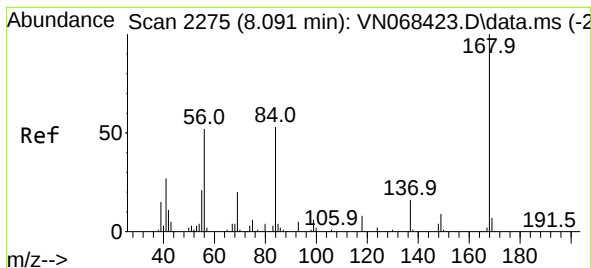
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.003 min

Lab File: VN068571.D

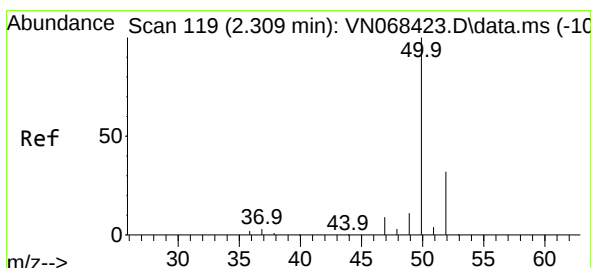
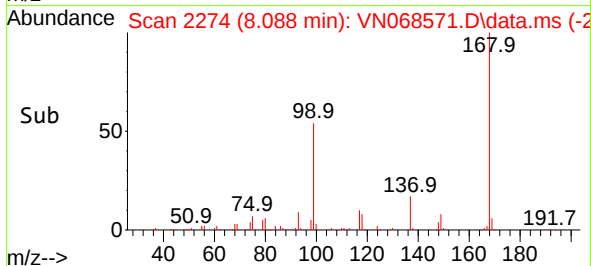
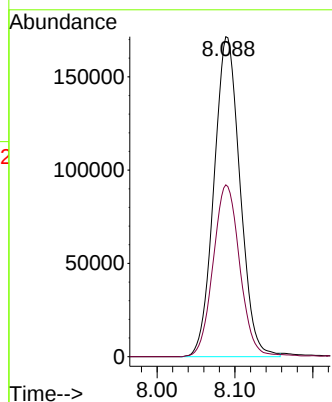
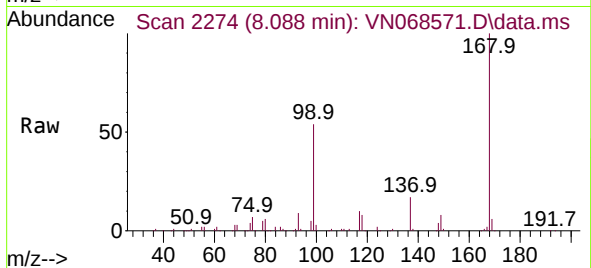
Acq: 20 Sep 2021 22:07

Tgt Ion:168 Resp: 398090

Ion Ratio Lower Upper

168 100

99 53.7 38.2 57.4



#3

Chloromethane

Concen: Below Cal

RT: 2.309 min Scan# 119

Delta R.T. -0.000 min

Lab File: VN068571.D

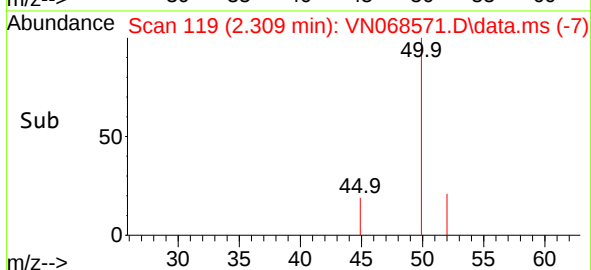
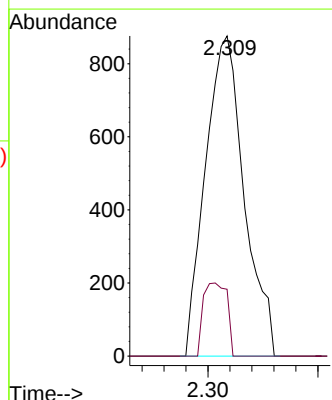
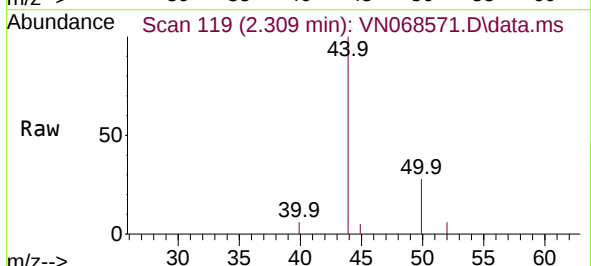
Acq: 20 Sep 2021 22:07

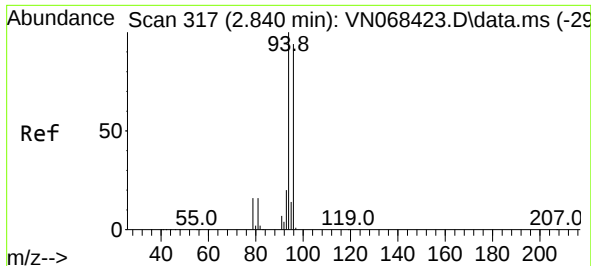
Tgt Ion: 50 Resp: 1074

Ion Ratio Lower Upper

50 100

52 20.9 25.8 38.6#

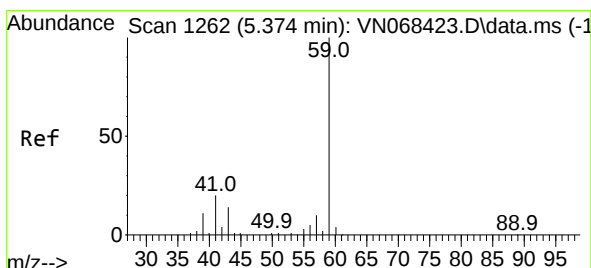
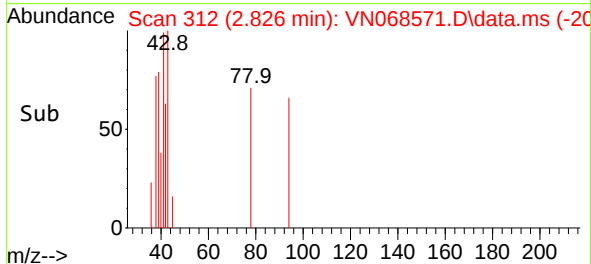
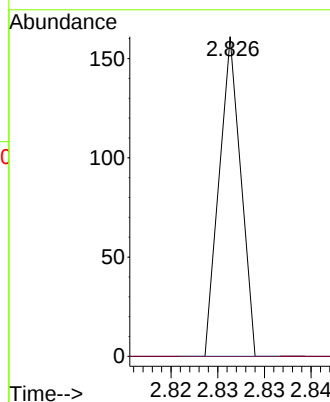
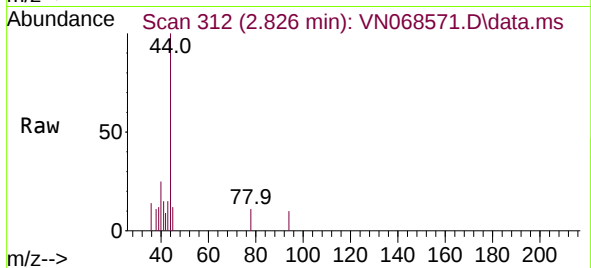




#5
Bromomethane
Concen: Below Cal
RT: 2.826 min Scan# 312
Delta R.T. -0.014 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

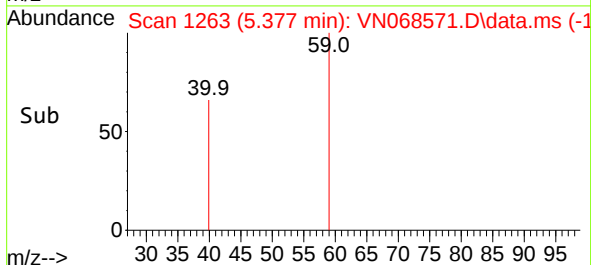
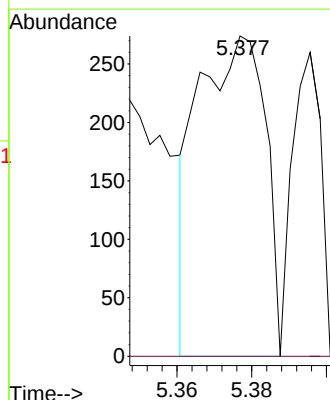
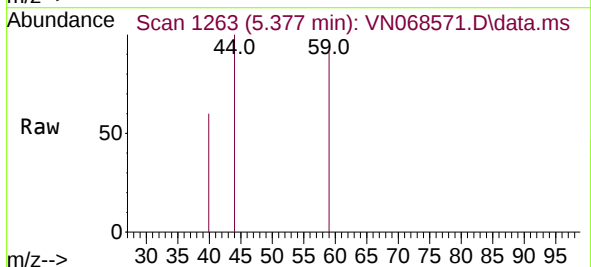
Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915RE

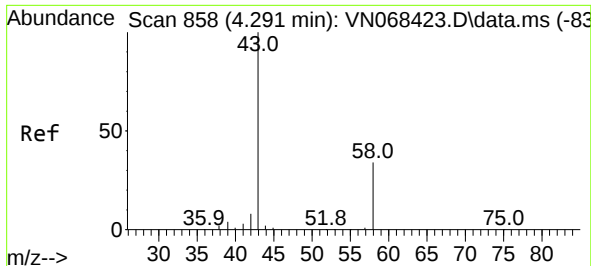
Tgt Ion: 94 Resp: 26
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.377 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

Tgt Ion: 59 Resp: 341
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

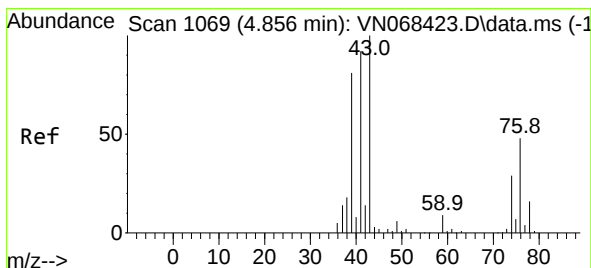
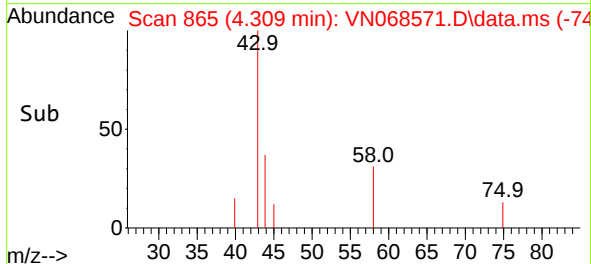
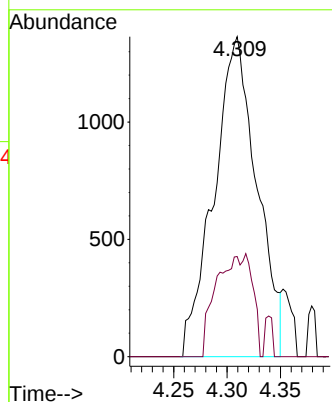
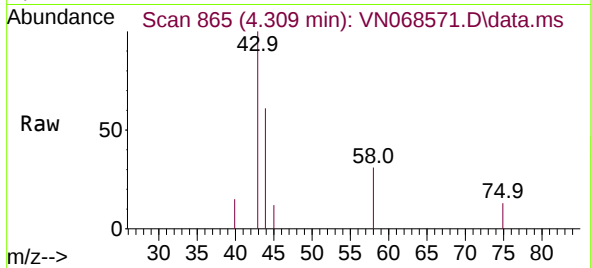




#16
Acetone
Concen: Below Cal
RT: 4.309 min Scan# 865
Delta R.T. 0.018 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

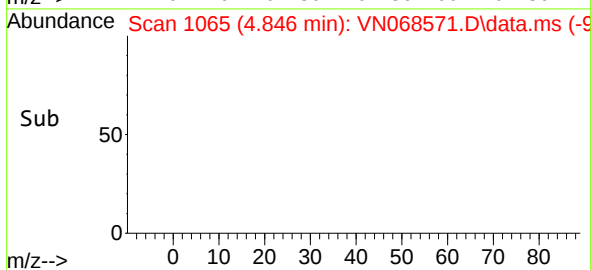
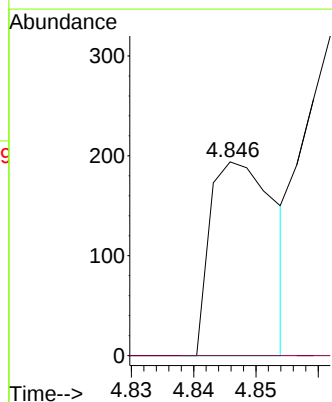
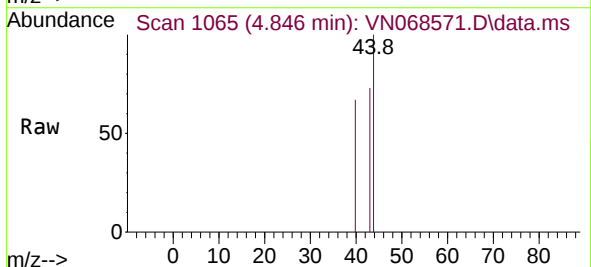
Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915RE

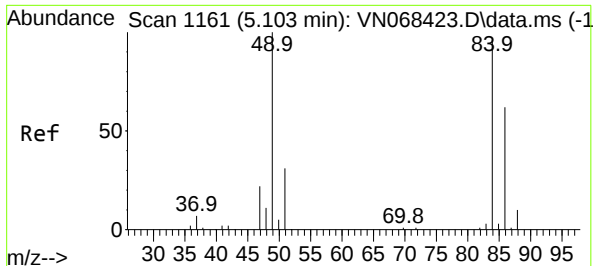
Tgt Ion: 43 Resp: 3816
Ion Ratio Lower Upper
43 100
58 31.3 27.0 40.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.846 min Scan# 1065
Delta R.T. -0.010 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

Tgt Ion: 43 Resp: 140
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#



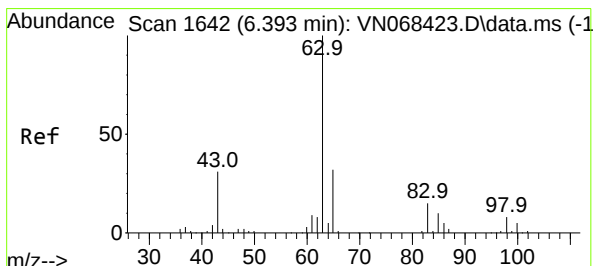
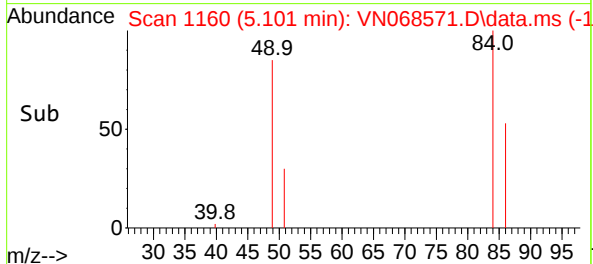
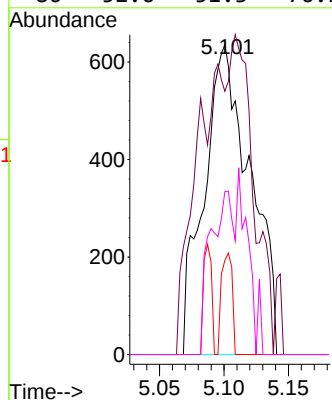
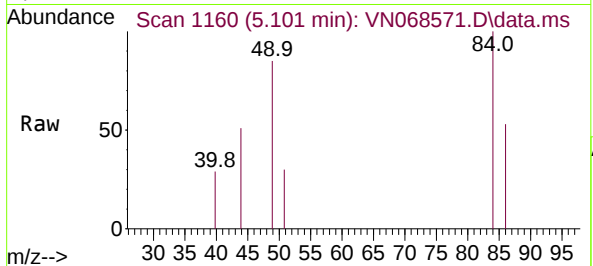


#20
Methylene Chloride
Concen: Below Cal
RT: 5.101 min Scan# 1160
Delta R.T. -0.002 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915RE

Tgt Ion: 84 Resp: 1590

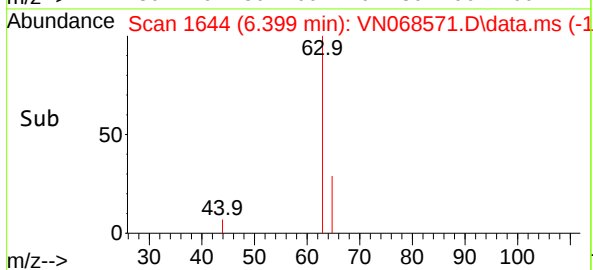
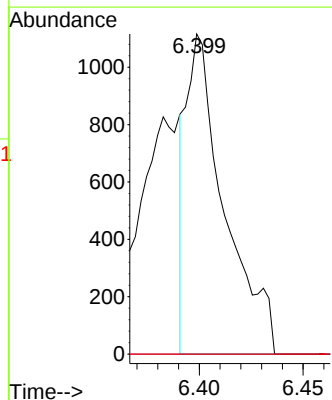
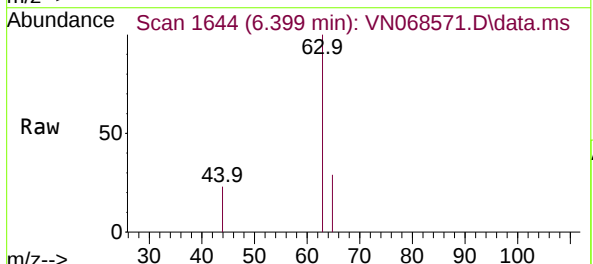
Ion	Ratio	Lower	Upper
84	100		
49	59.1	83.0	124.6#
51	30.4	25.4	38.0
86	52.6	51.3	76.9

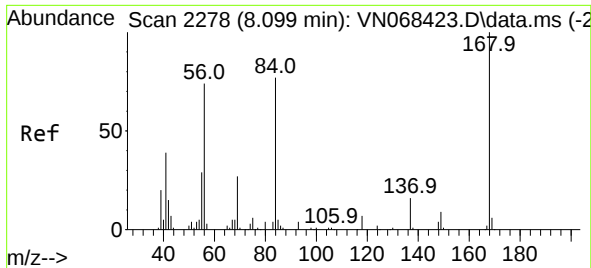


#24
1,1-Dichloroethane
Concen: 0.245 ug/l
RT: 6.399 min Scan# 1644
Delta R.T. 0.006 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

Tgt Ion: 63 Resp: 1426

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.9	11.5#
100	0.0	2.4	7.2#

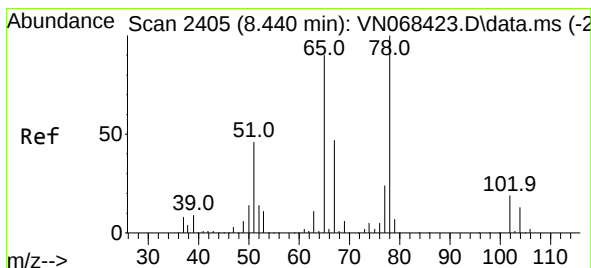
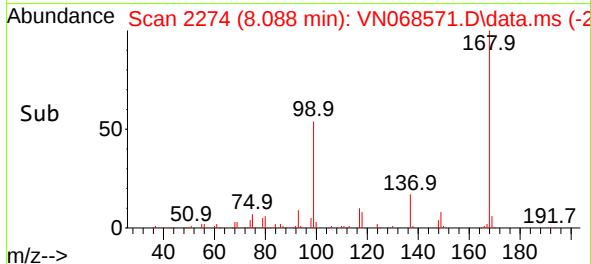
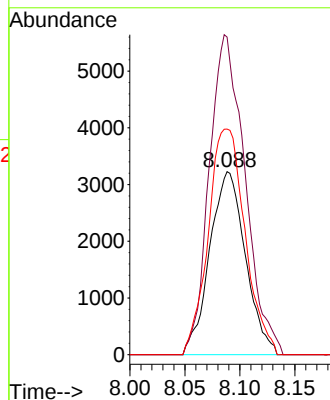
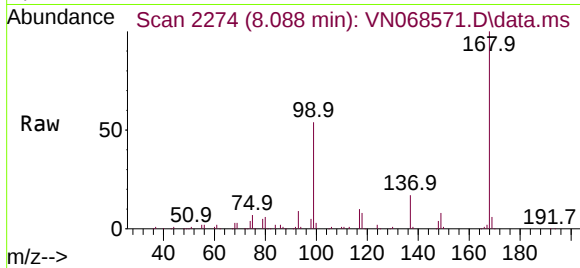




#31
Cyclohexane
Concen: 1.317 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.011 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

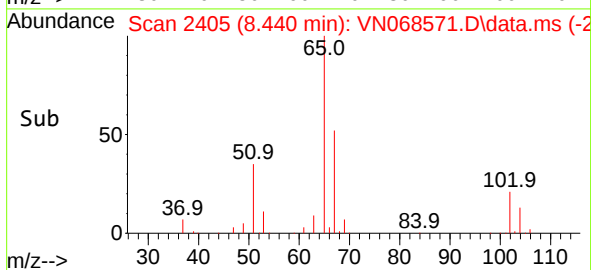
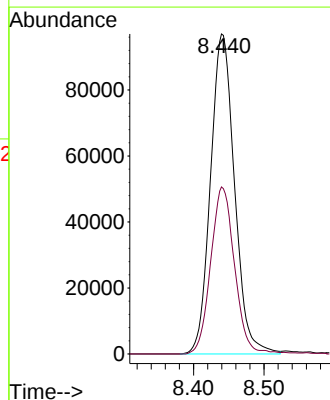
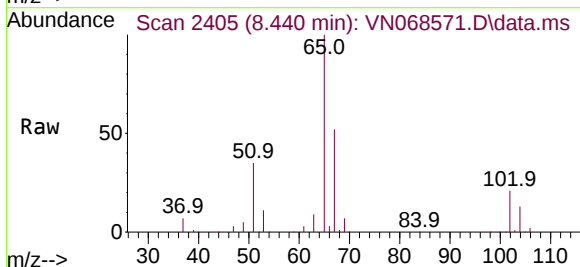
Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915RE

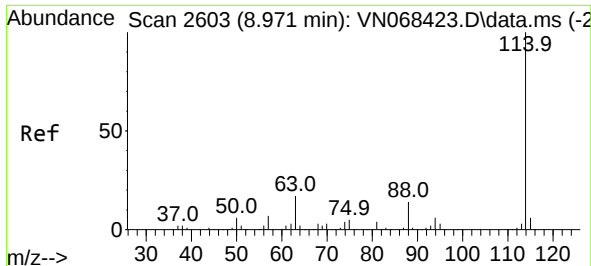
Tgt Ion: 56 Resp: 7286
Ion Ratio Lower Upper
56 100
69 173.5 29.4 44.0#
84 123.2 83.6 125.4



#33
1,2-Dichloroethane-d4
Concen: 62.872 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

Tgt Ion: 65 Resp: 229590
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.0

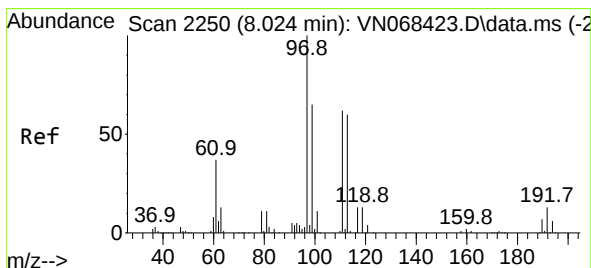
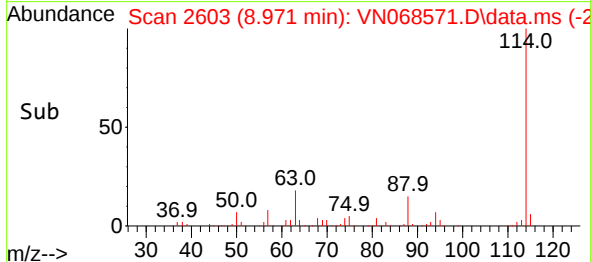
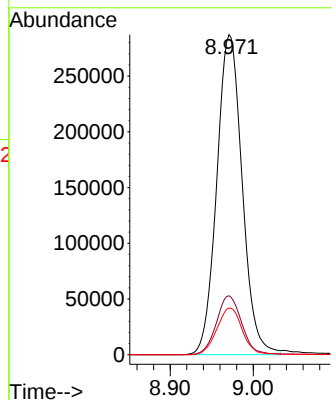
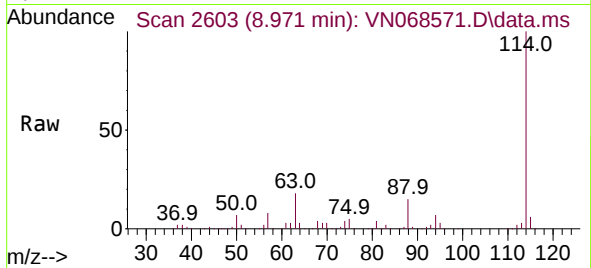




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

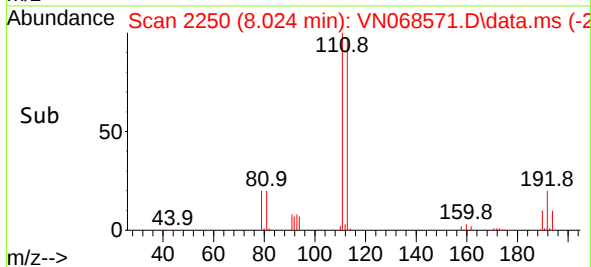
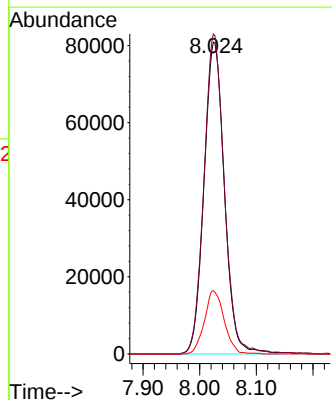
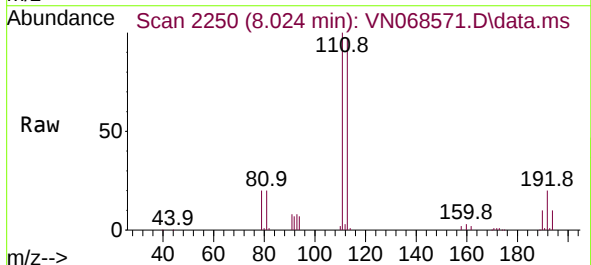
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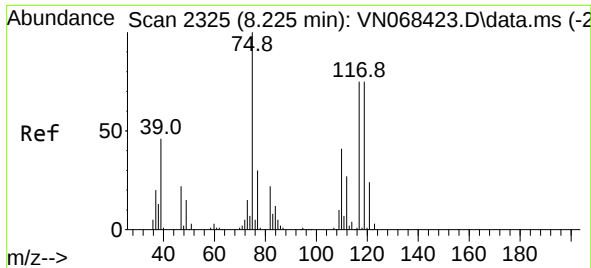
Tgt Ion:114 Resp: 611250
Ion Ratio Lower Upper
114 100
63 18.4 0.0 33.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 54.882 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

Tgt Ion:113 Resp: 202331
Ion Ratio Lower Upper
113 100
111 101.3 81.1 121.7
192 19.7 17.7 26.5

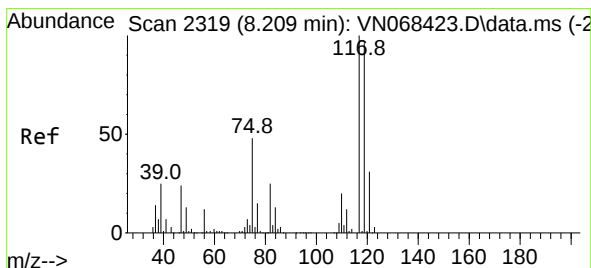
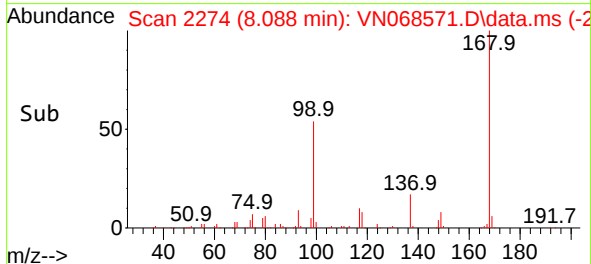
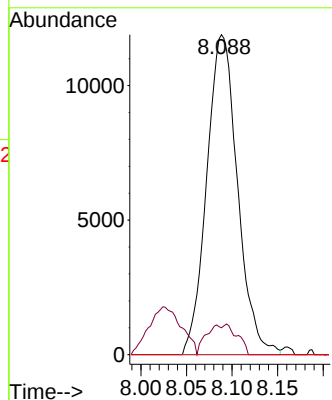
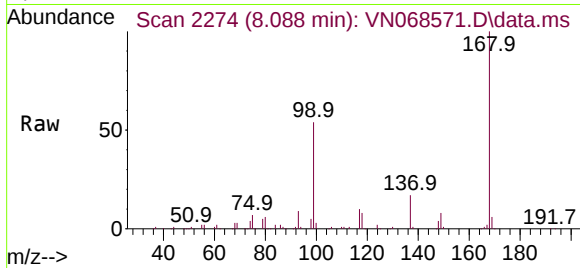




#36
 1,1-Dichloropropene
 Concen: 5.492 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.137 min
 Lab File: VN068571.D
 Acq: 20 Sep 2021 22:07

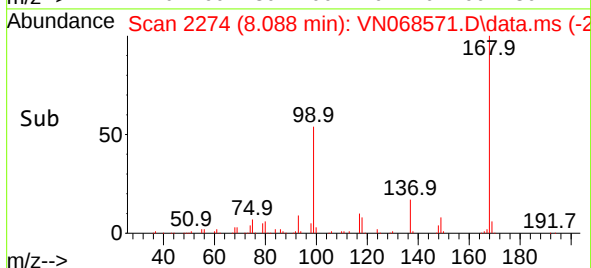
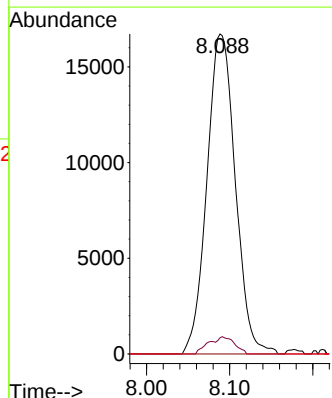
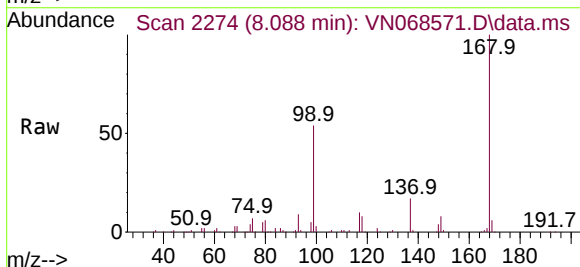
Instrument :
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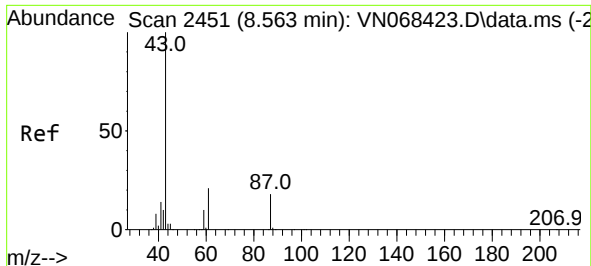
Tgt Ion:	75	Resp:	27987
Ion Ratio	Lower	Upper	
75	100		
110	4.8	20.8	62.5#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.511 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.121 min
 Lab File: VN068571.D
 Acq: 20 Sep 2021 22:07

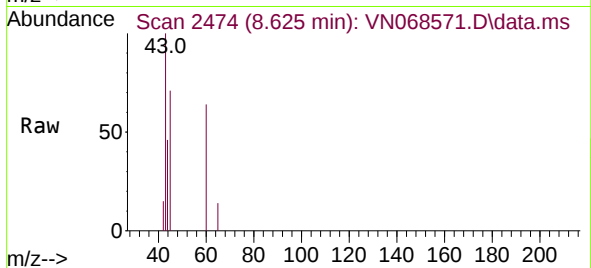
Tgt Ion:	117	Resp:	39752
Ion Ratio	Lower	Upper	
117	100		
119	5.1	76.6	114.8#
121	0.0	24.5	36.7#



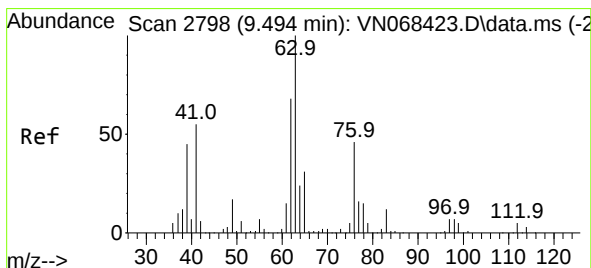
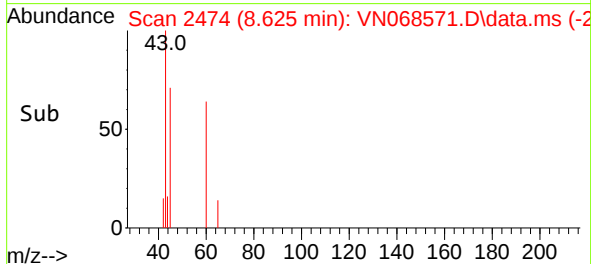
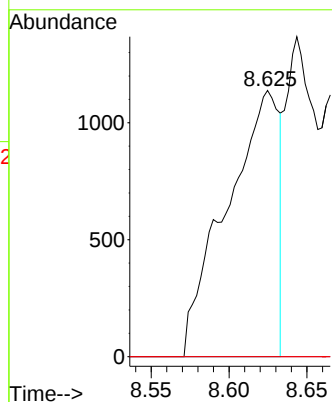


#43
Isopropyl Acetate
Concen: 0.389 ug/l
RT: 8.625 min Scan# 2474
Delta R.T. 0.062 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915RE

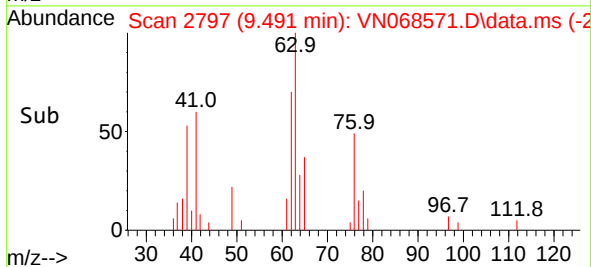
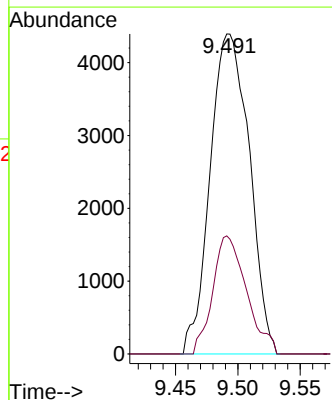
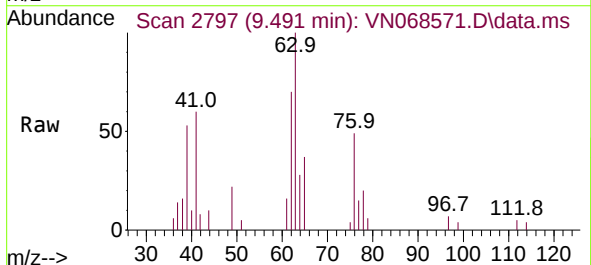


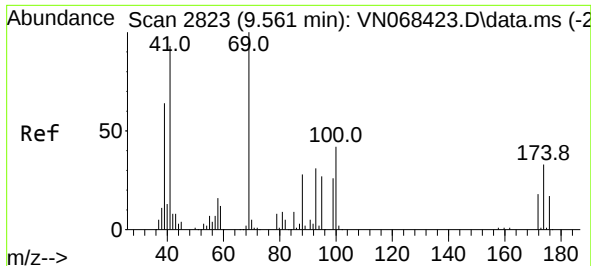
Tgt Ion: 43 Resp: 2658
Ion Ratio Lower Upper
43 100
61 0.0 23.3 34.9#
87 0.0 13.8 20.6#



#45
1,2-Dichloropropane
Concen: 2.671 ug/l
RT: 9.491 min Scan# 2797
Delta R.T. -0.003 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

Tgt Ion: 63 Resp: 9620
Ion Ratio Lower Upper
63 100
65 36.9 24.8 37.2

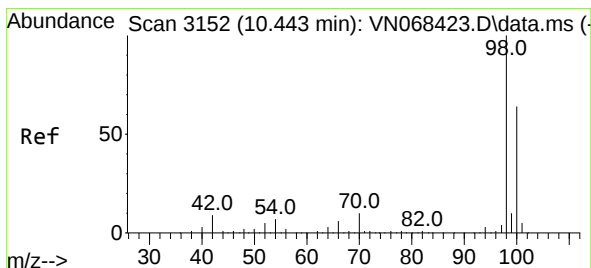
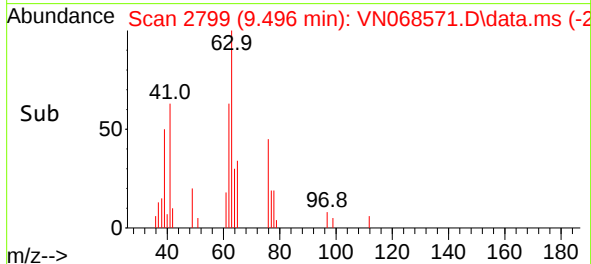
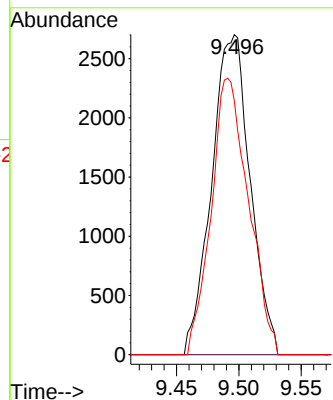
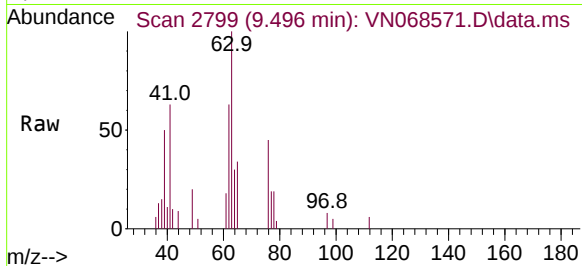




#48
Methyl methacrylate
Concen: 2.038 ug/l
RT: 9.496 min Scan# 2799
Delta R.T. -0.065 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

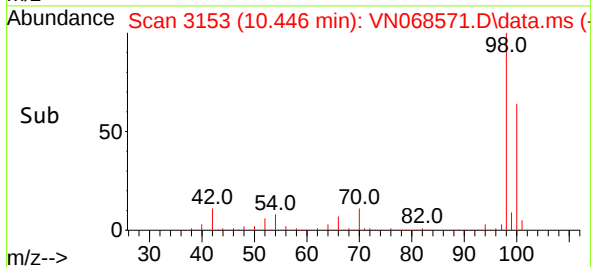
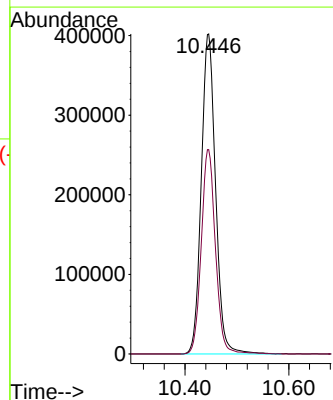
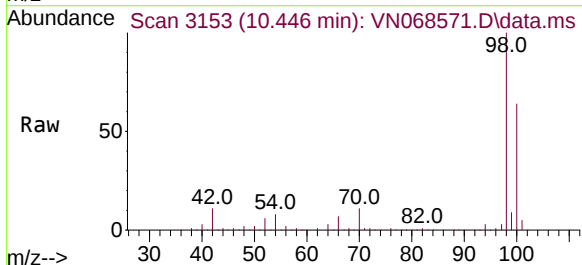
Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915RE

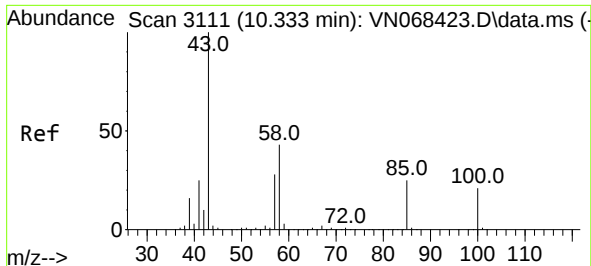
Tgt Ion: 41 Resp: 5820
Ion Ratio Lower Upper
41 100
69 0.0 82.9 124.3#
39 83.6 50.3 75.5#



#50
Toluene-d8
Concen: 50.731 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

Tgt Ion: 98 Resp: 767913
Ion Ratio Lower Upper
98 100
100 63.2 51.0 76.6

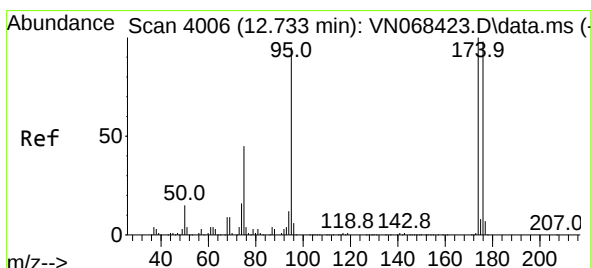
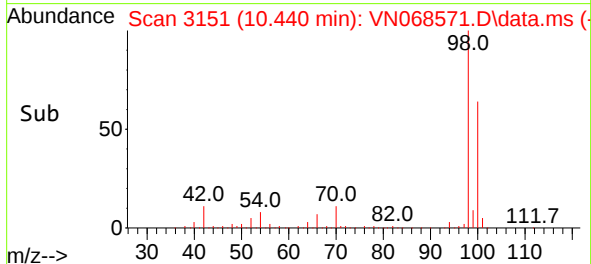
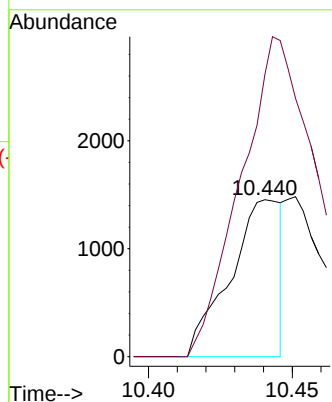
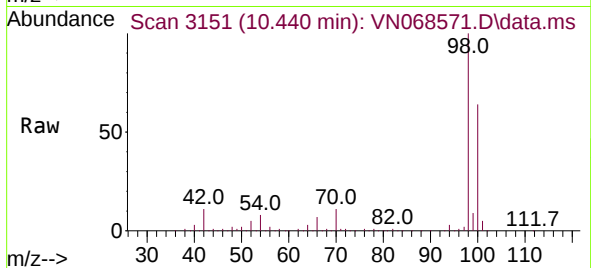




#51
4-Methyl-2-Pentanone
Concen: 0.457 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.107 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

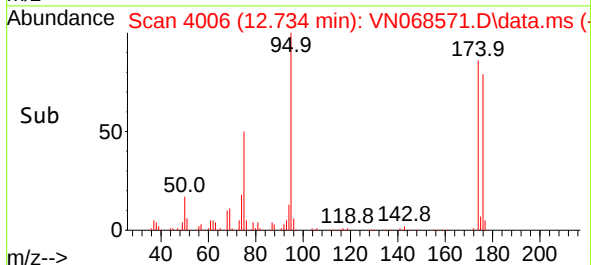
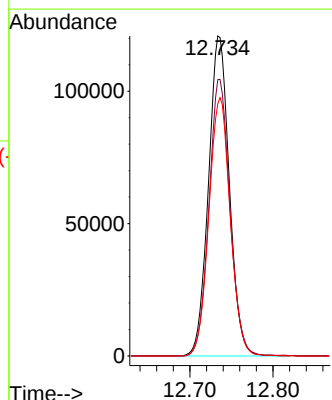
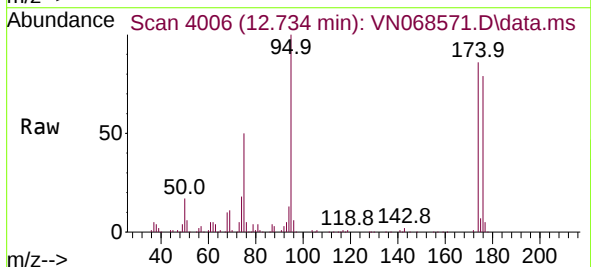
Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915RE

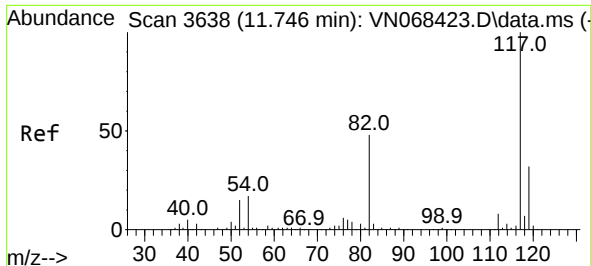
Tgt Ion: 43 Resp: 1784
Ion Ratio Lower Upper
43 100
58 306.7 34.3 51.5#



#62
4-Bromofluorobenzene
Concen: 42.879 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

Tgt Ion: 95 Resp: 210494
Ion Ratio Lower Upper
95 100
174 87.2 0.0 214.0
176 82.6 0.0 205.4

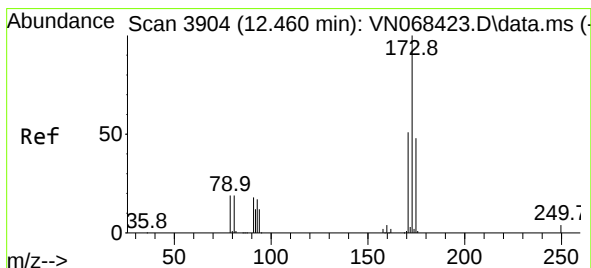
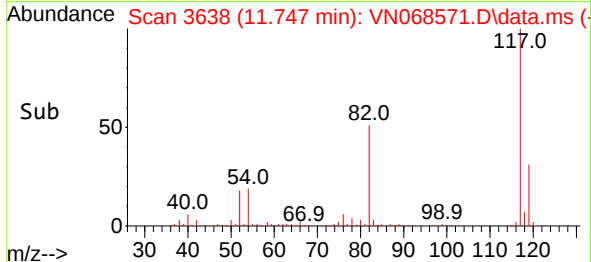
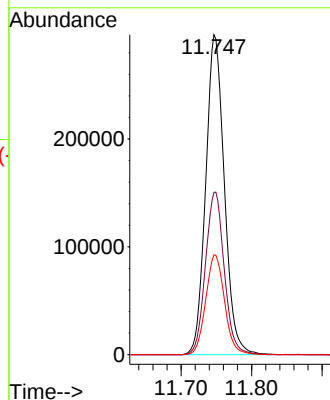
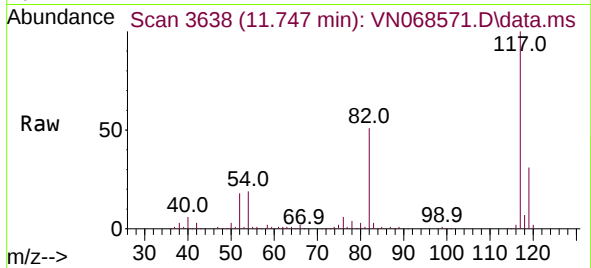




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

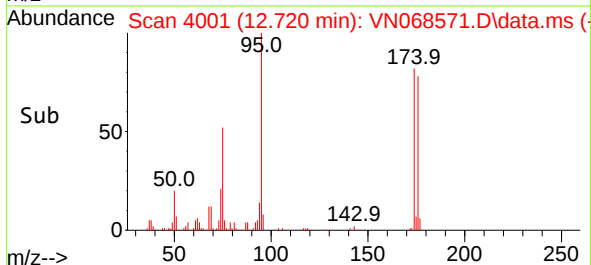
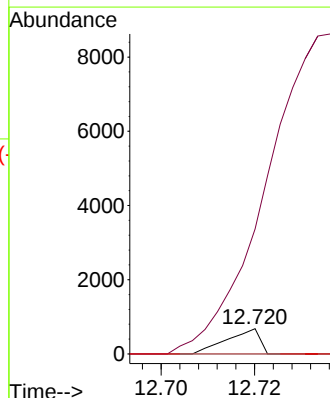
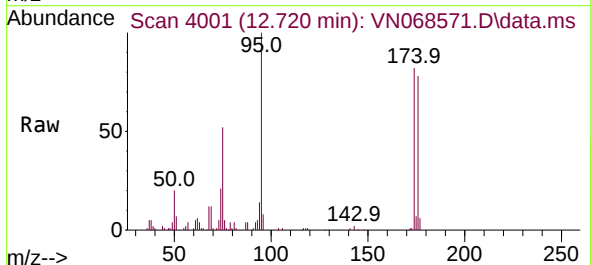
Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915RE

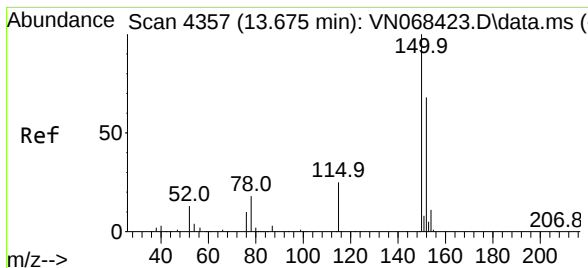
Tgt Ion:117 Resp: 544103
Ion Ratio Lower Upper
117 100
82 50.7 38.7 58.1
119 31.2 25.5 38.3



#71
Bromoform
Concen: 2.603 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

Tgt Ion:173 Resp: 334
Ion Ratio Lower Upper
173 100
175 3980.8 24.1 72.3#
254 0.0 0.0 0.0

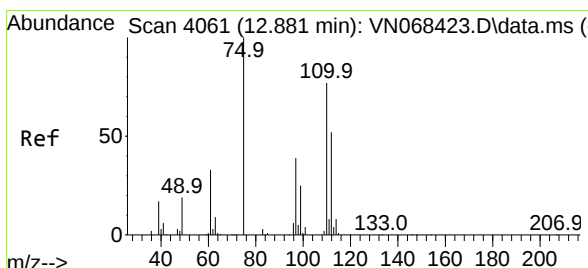
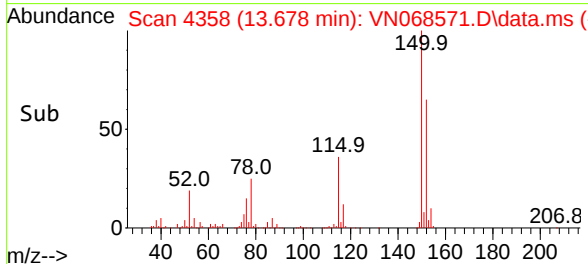
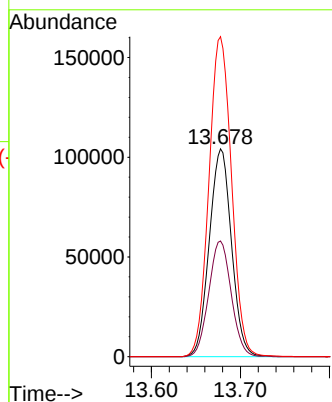
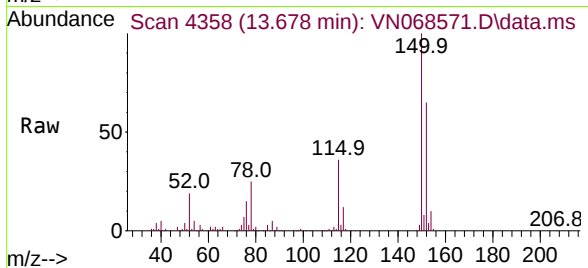




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

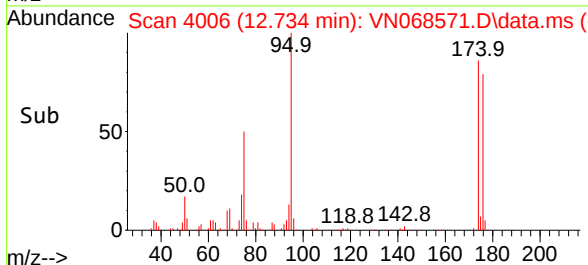
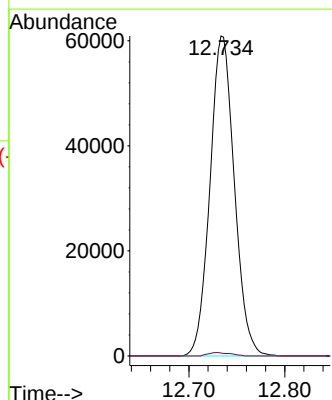
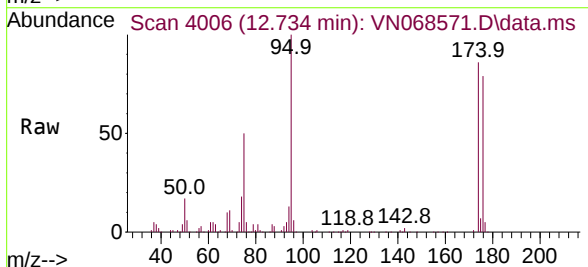
Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915RE

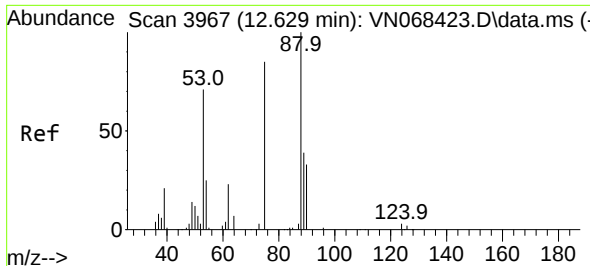
Tgt Ion:152 Resp: 180689
Ion Ratio Lower Upper
152 100
115 56.2 25.6 76.6
150 156.5 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 43.154 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068571.D
Acq: 20 Sep 2021 22:07

Tgt Ion: 75 Resp: 107600
Ion Ratio Lower Upper
75 100
77 1.0 100.9 302.7#

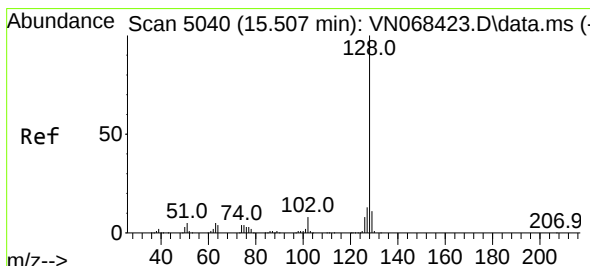
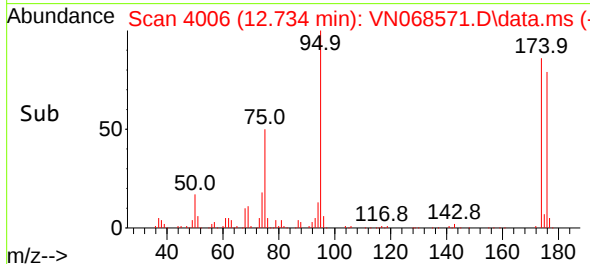
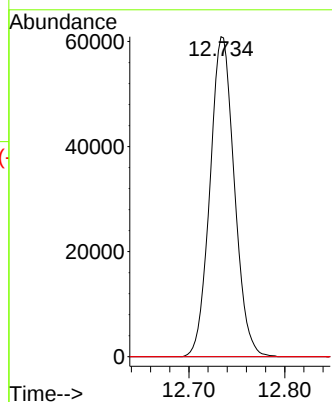
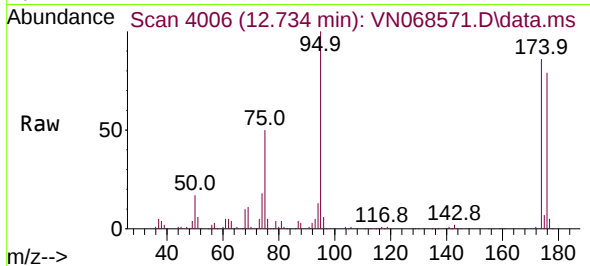




#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.974 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.105 min
 Lab File: VN068571.D
 Acq: 20 Sep 2021 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE135D2-20210915RE

Tgt Ion: 75 Resp: 107600
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.6 105.8#
 89 0.0 39.5 59.3#



#95
 Naphthalene
 Concen: 3.520 ug/l
 RT: 15.501 min Scan# 5038
 Delta R.T. -0.006 min
 Lab File: VN068571.D
 Acq: 20 Sep 2021 22:07

Tgt Ion:128 Resp: 181
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 0.0 8.6 13.0#

