

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082721\
 Data File : VN068345.D
 Acq On : 27 Aug 2021 15:30
 Operator : JC/MD
 Sample : M3524-01
 Misc : 5.09g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PE-1

Quant Time: Aug 28 01:28:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

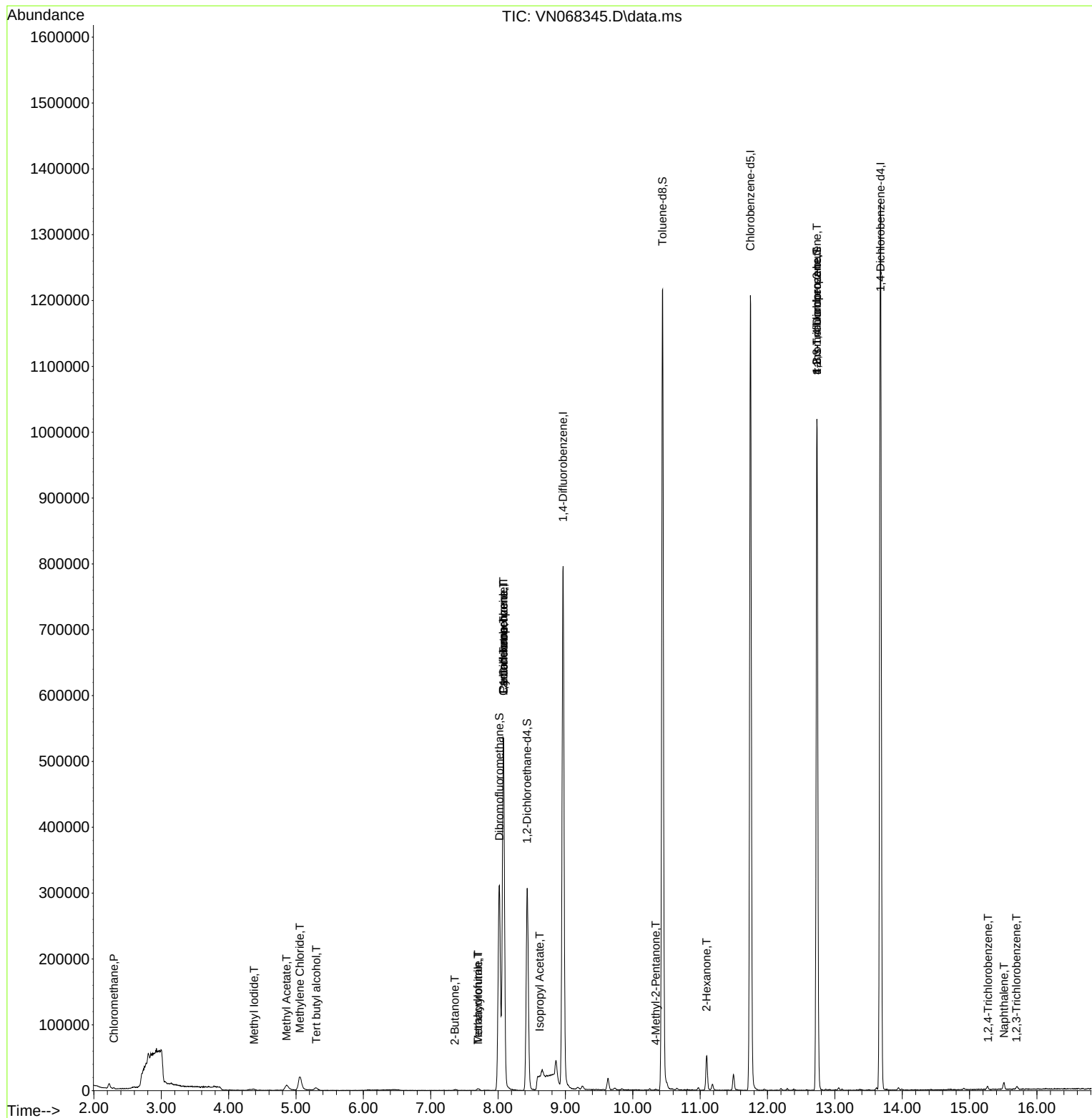
Internal Standards						
1) Pentafluorobenzene	8.080	168	446799	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.965	114	761279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	773281	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	404701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.432	65	255844	53.629	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.260%			
35) Dibromofluoromethane	8.019	113	230026	48.127	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.260%			
50) Toluene-d8	10.440	98	891080	48.929	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.860%			
62) 4-Bromofluorobenzene	12.734	95	333908	55.077	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 110.160%			
Target Compounds						
						Qvalue
3) Chloromethane	2.295	50	1243	0.311	ug/l	# 78
5) Bromomethane	2.805	94	4102	Below Cal		97
6) Chloroethane	3.003	64	617	Below Cal	#	54
10) Methyl Iodide	4.377	142	2717	0.507	ug/l	# 35
11) Tert butyl alcohol	5.302	59	3318	5.577	ug/l	# 71
13) Acrolein	4.028	56	132	Below Cal	#	81
18) Methyl Acetate	4.859	43	16634	1.542	ug/l	# 91
20) Methylene Chloride	5.058	84	19496	3.063	ug/l	# 82
25) 2-Butanone	7.356	43	798	0.368	ug/l	# 51
29) Tetrahydrofuran	7.699	42	1271	0.916	ug/l	# 62
31) Cyclohexane	8.080	56	7634	1.215	ug/l	# 12
36) 1,1-Dichloropropene	8.078	75	29471	4.736	ug/l	# 53
38) Carbon Tetrachloride	8.078	117	41352	5.761	ug/l	# 18
41) Methacrylonitrile	7.705	41	1045	0.432	ug/l	# 37
43) Isopropyl Acetate	8.617	43	22222	2.617	ug/l	# 59
51) 4-Methyl-2-Pentanone	10.341	43	1914	0.367	ug/l	# 39
59) 2-Hexanone	11.095	43	9598	2.650	ug/l	# 61
76) 1,2,3-Trichloropropane	12.734	75	168527	25.054	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	168527	82.081	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.273	180	2159	2.988	ug/l	90
95) Naphthalene	15.509	128	10829	3.980	ug/l	# 92
96) 1,2,3-Trichlorobenzene	15.697	180	2250	3.163	ug/l	# 76

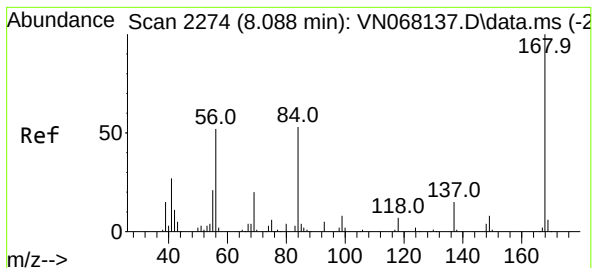
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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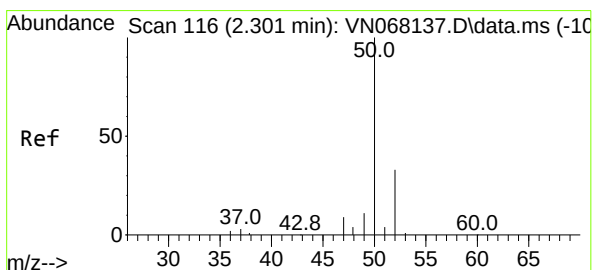
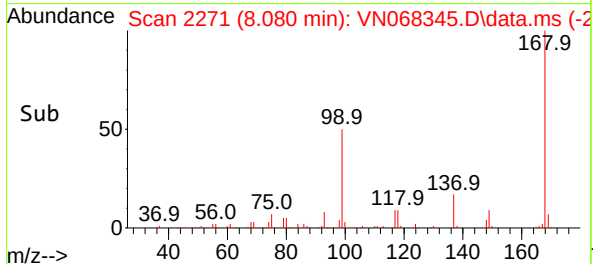
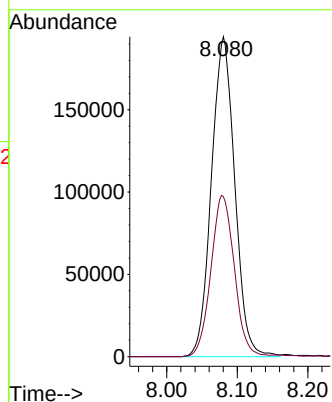
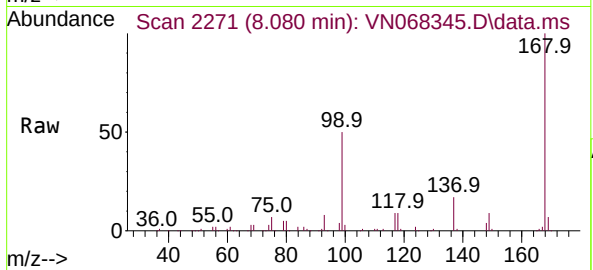




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.008 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

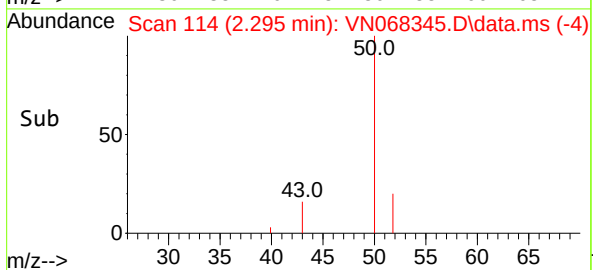
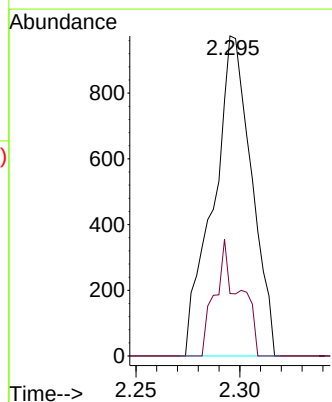
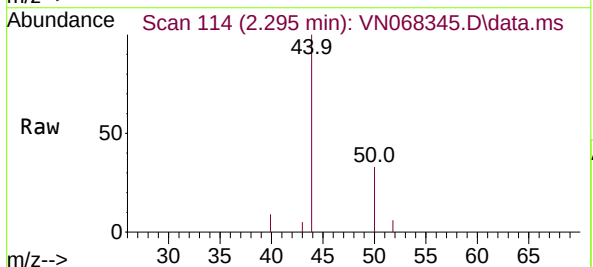
Instrument :
MSVOA_N
ClientSampled :
PE-1

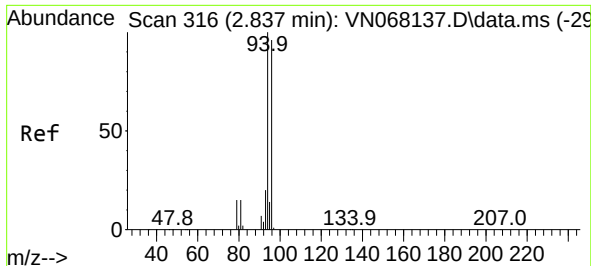
Tgt Ion:168 Resp: 446799
Ion Ratio Lower Upper
168 100
99 50.0 62.9 94.3#



#3
Chloromethane
Concen: 0.311 ug/l
RT: 2.295 min Scan# 114
Delta R.T. -0.006 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

Tgt Ion: 50 Resp: 1243
Ion Ratio Lower Upper
50 100
52 19.5 25.6 38.4#

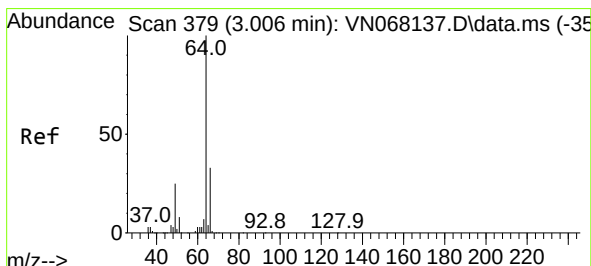
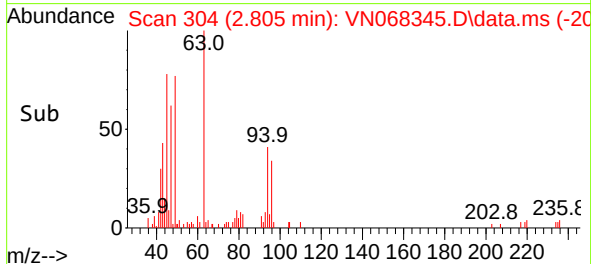
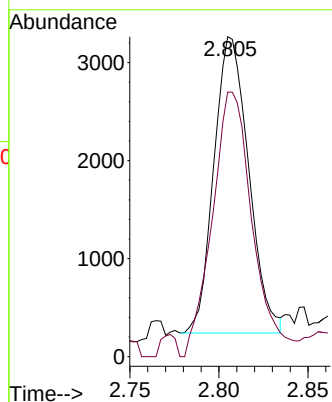
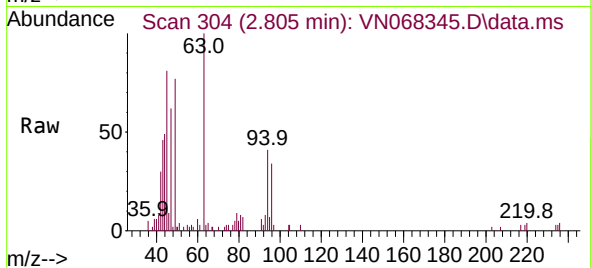




#5
Bromomethane
Concen: Below Cal
RT: 2.805 min Scan# 304
Delta R.T. -0.032 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

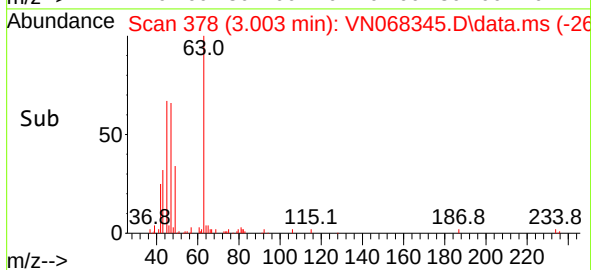
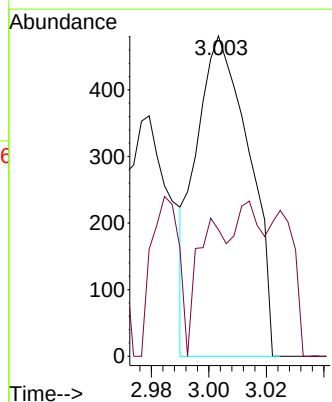
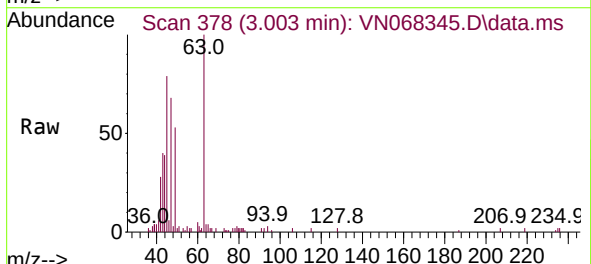
Instrument :
MSVOA_N
ClientSampled :
PE-1

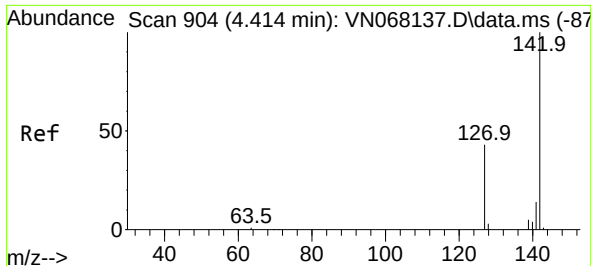
Tgt Ion: 94 Resp: 4102
Ion Ratio Lower Upper
94 100
96 89.3 73.7 110.5



#6
Chloroethane
Concen: Below Cal
RT: 3.003 min Scan# 378
Delta R.T. -0.003 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

Tgt Ion: 64 Resp: 617
Ion Ratio Lower Upper
64 100
66 5.6 24.7 37.1#

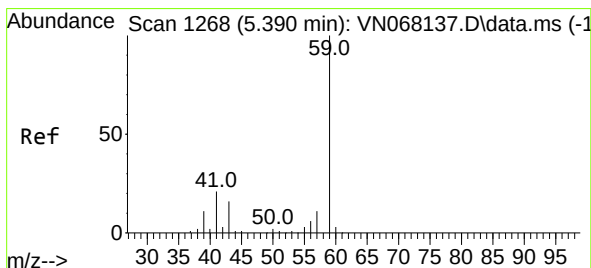
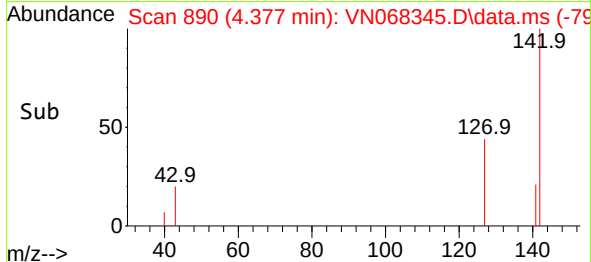
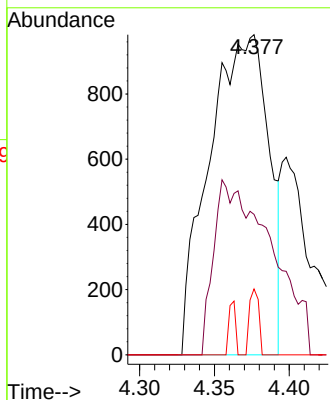
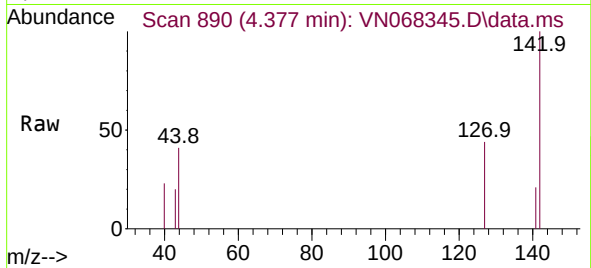




#10
Methyl Iodide
Concen: 0.507 ug/l
RT: 4.377 min Scan# 890
Delta R.T. -0.037 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

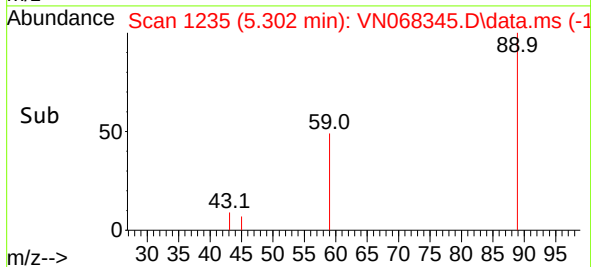
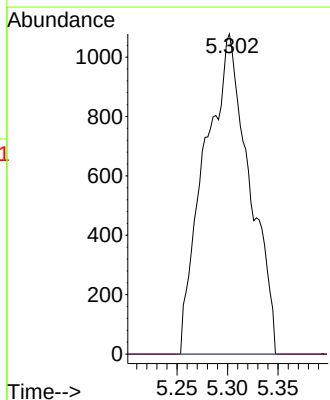
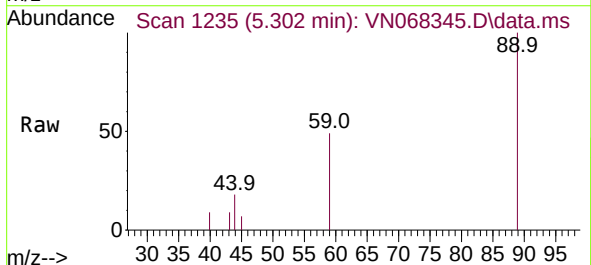
Instrument :
MSVOA_N
ClientSampled :
PE-1

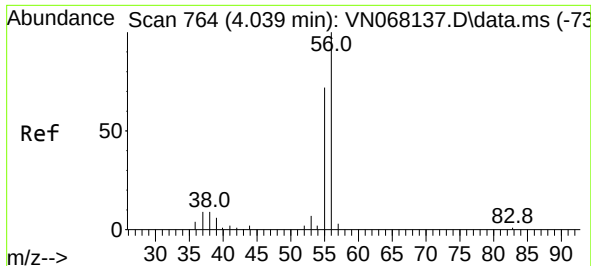
Tgt Ion:142 Resp: 2717
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 3.2 11.4 17.0#



#11
Tert butyl alcohol
Concen: 5.577 ug/l
RT: 5.302 min Scan# 1235
Delta R.T. -0.088 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

Tgt Ion: 59 Resp: 3318
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

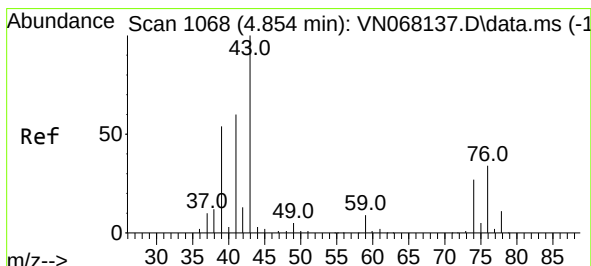
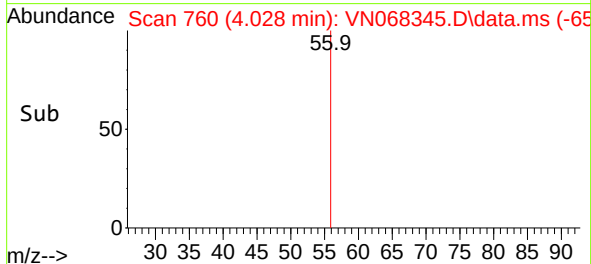
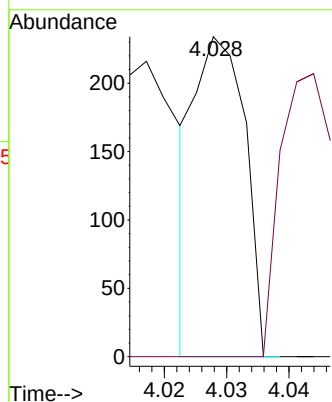
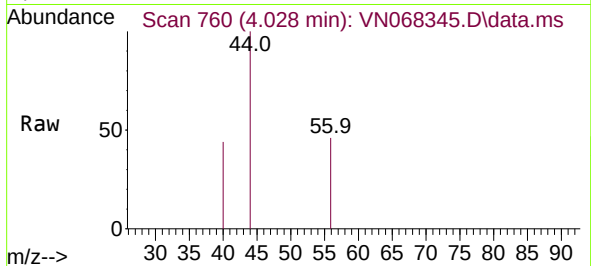




#13
Acrolein
Concen: Below Cal
RT: 4.028 min Scan# 760
Delta R.T. -0.011 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

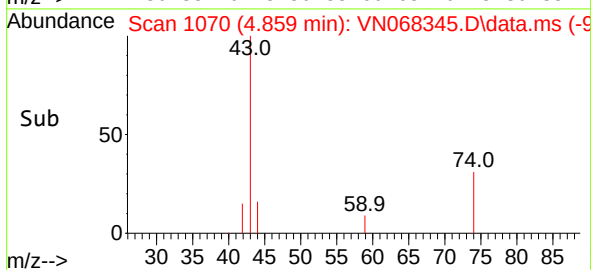
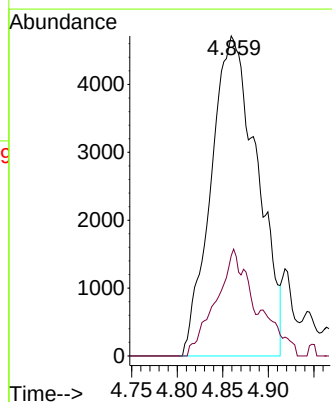
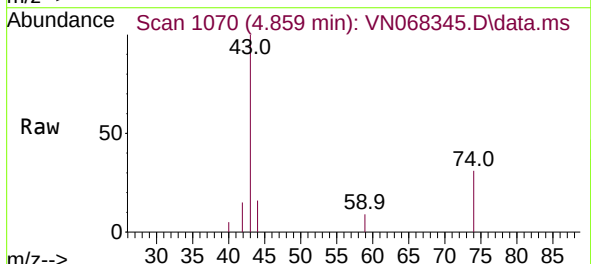
Instrument :
MSVOA_N
ClientSampled :
PE-1

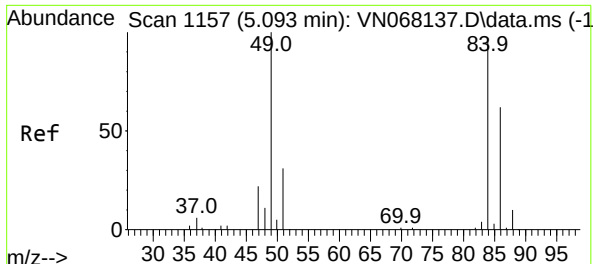
Tgt Ion: 56 Resp: 132
Ion Ratio Lower Upper
56 100
55 87.1 57.4 86.0#



#18
Methyl Acetate
Concen: 1.542 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.005 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

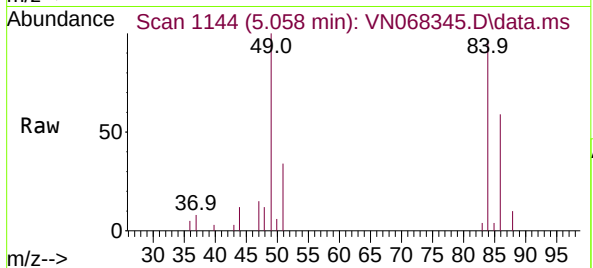
Tgt Ion: 43 Resp: 16634
Ion Ratio Lower Upper
43 100
74 17.3 17.4 26.0#



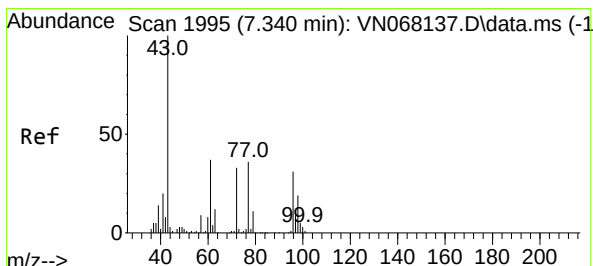
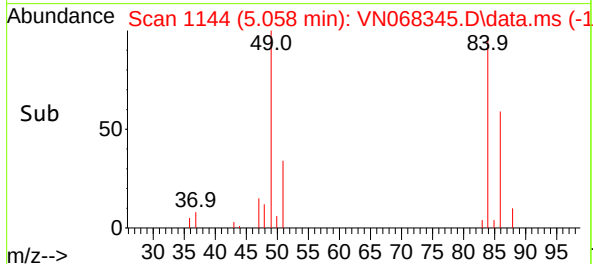
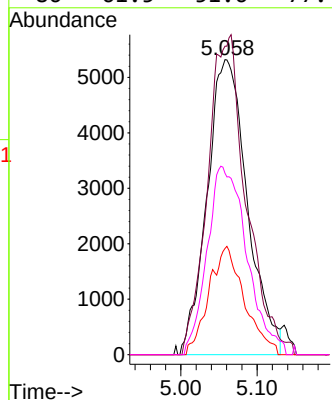


#20
Methylene Chloride
Concen: 3.063 ug/l
RT: 5.058 min Scan# 1144
Delta R.T. -0.035 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

Instrument :
MSVOA_N
ClientSampled :
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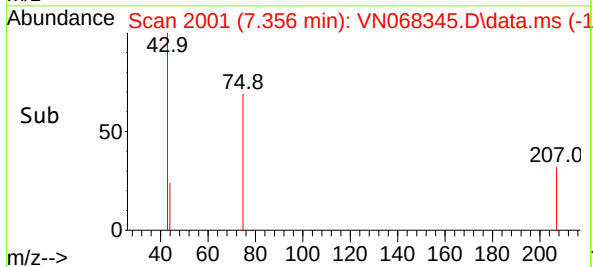
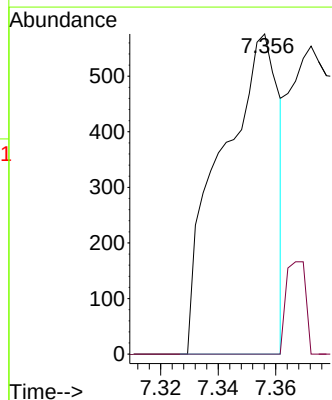
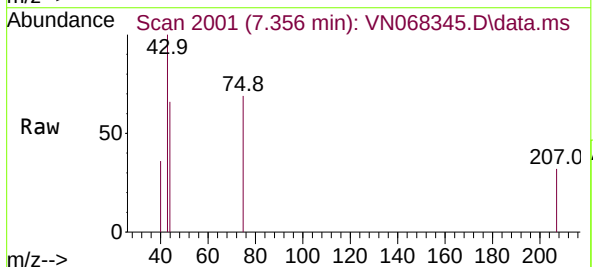


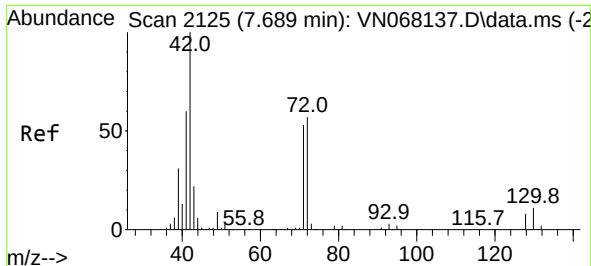
Tgt Ion:	84	Resp:	19496
Ion	Ratio	Lower	Upper
84	100		
49	104.5	110.9	166.3#
51	36.0	32.6	49.0
86	61.5	51.6	77.4



#25
2-Butanone
Concen: 0.368 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. 0.016 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

Tgt Ion:	43	Resp:	798
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.7	29.5#





#29

Tetrahydrofuran

Concen: 0.916 ug/l

RT: 7.699 min Scan# 2129

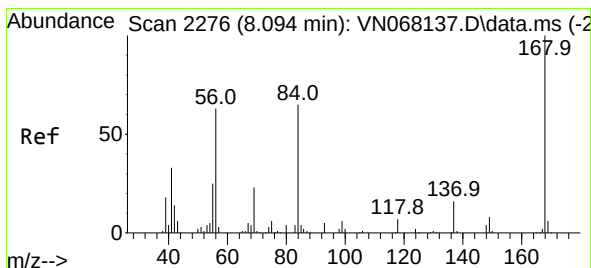
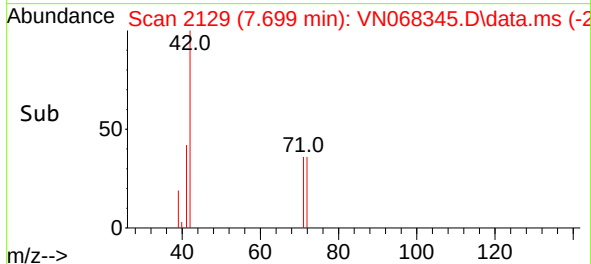
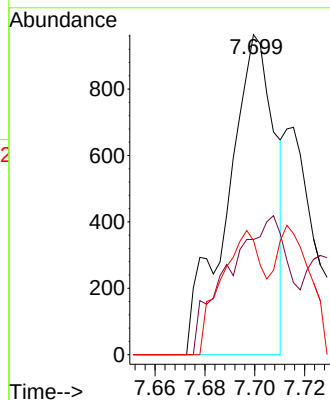
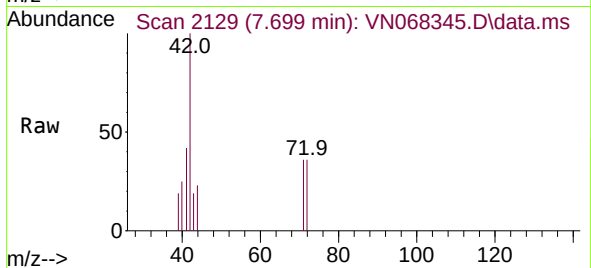
Delta R.T. 0.010 min

Lab File: VN068345.D

Acq: 27 Aug 2021 15:30

Tgt Ion: 42 Resp: 1271

Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	33.8	31.2	46.8



#31

Cyclohexane

Concen: 1.215 ug/l

RT: 8.080 min Scan# 2271

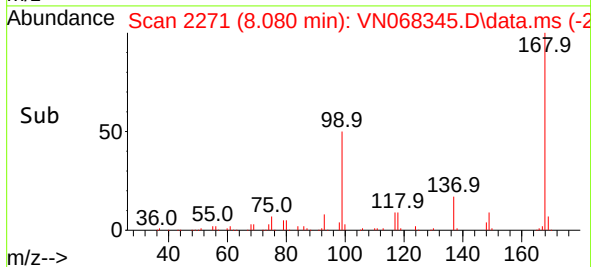
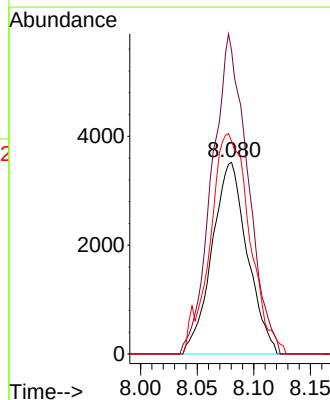
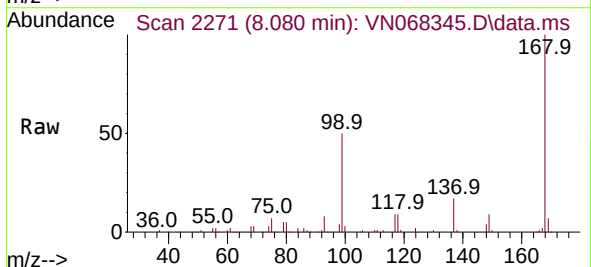
Delta R.T. -0.014 min

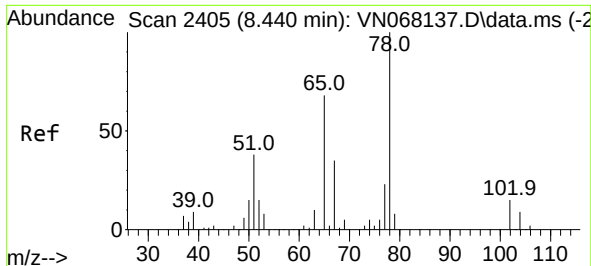
Lab File: VN068345.D

Acq: 27 Aug 2021 15:30

Tgt Ion: 56 Resp: 7634

Ion	Ratio	Lower	Upper
56	100		
69	158.4	27.3	40.9#
84	111.0	64.9	97.3#

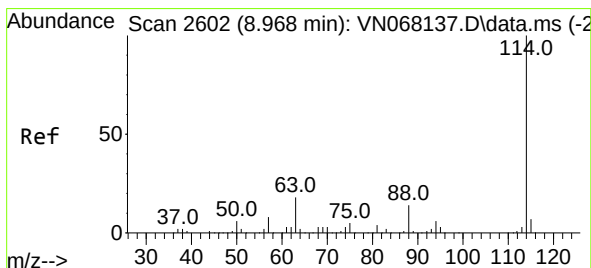
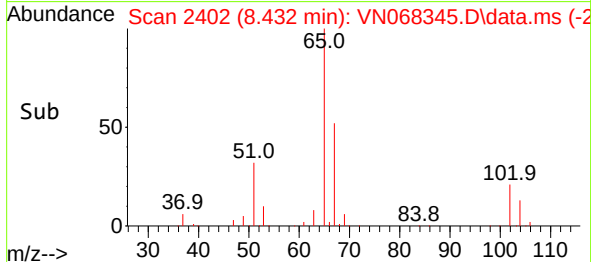
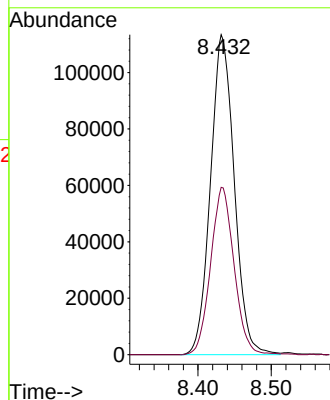
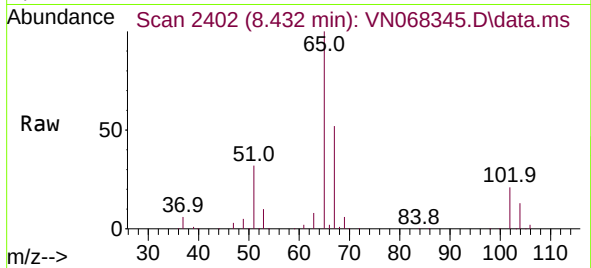




#33
 1,2-Dichloroethane-d4
 Concen: 53.629 ug/l
 RT: 8.432 min Scan# 2402
 Delta R.T. -0.008 min
 Lab File: VN068345.D
 Acq: 27 Aug 2021 15:30

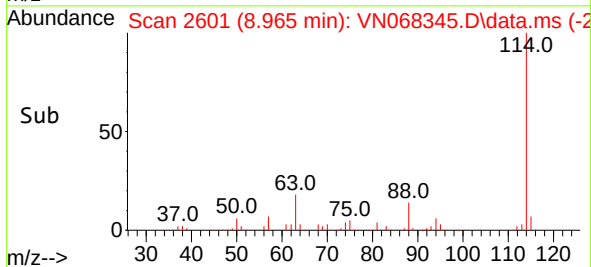
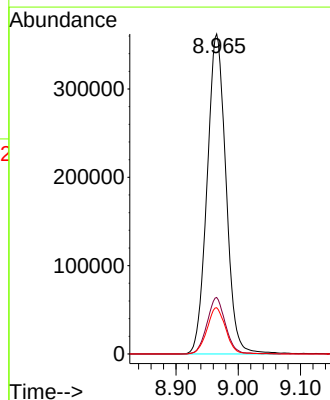
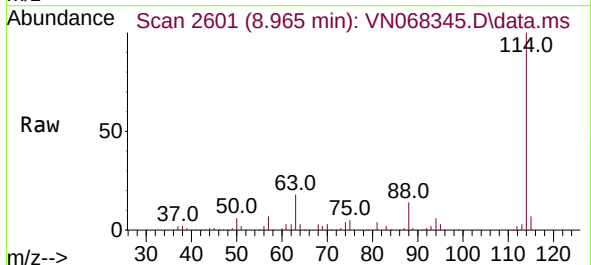
Instrument :
 MSVOA_N
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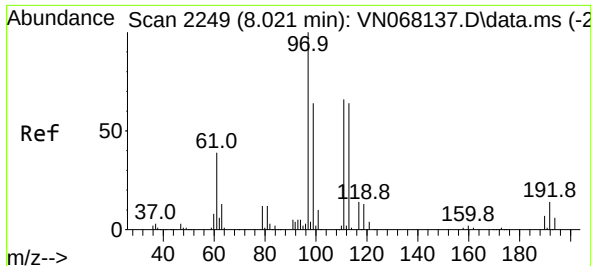
Tgt Ion: 65 Resp: 255844
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.965 min Scan# 2601
 Delta R.T. -0.003 min
 Lab File: VN068345.D
 Acq: 27 Aug 2021 15:30

Tgt Ion: 114 Resp: 761279
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 49.0
 88 14.5 0.0 36.6

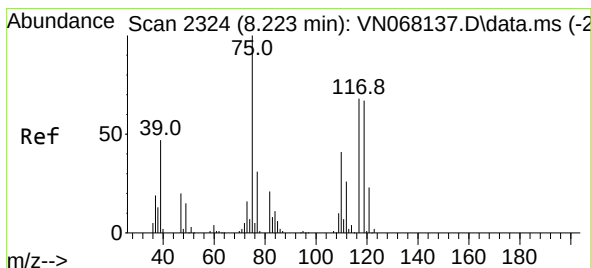
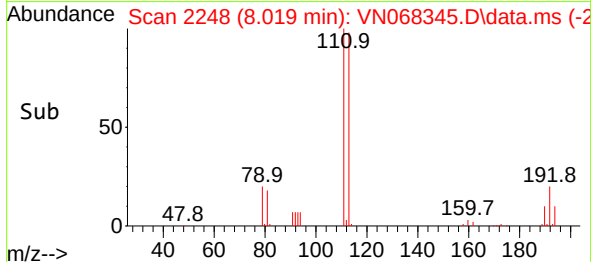
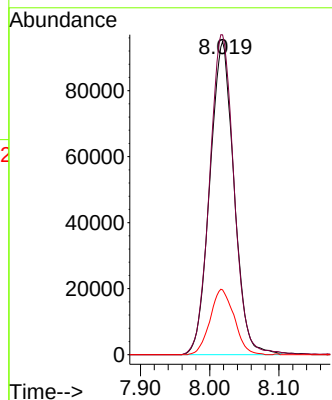
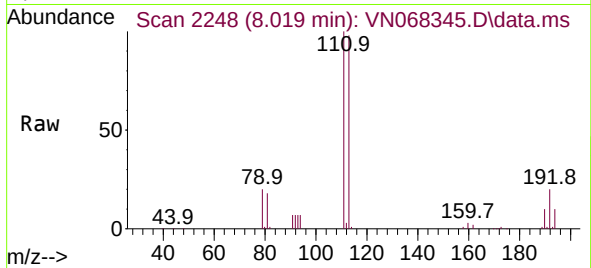




#35
Dibromofluoromethane
Concen: 48.127 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.002 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

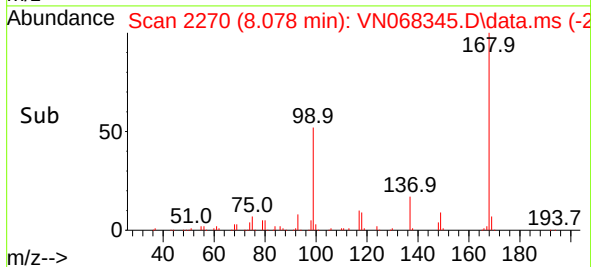
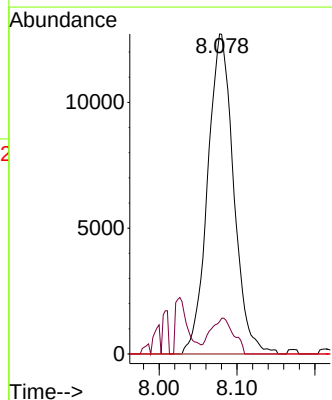
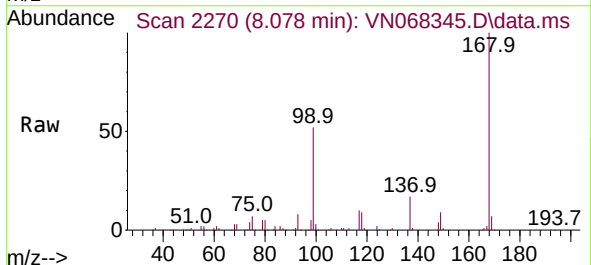
Instrument :
MSVOA_N
ClientSampled :
PE-1

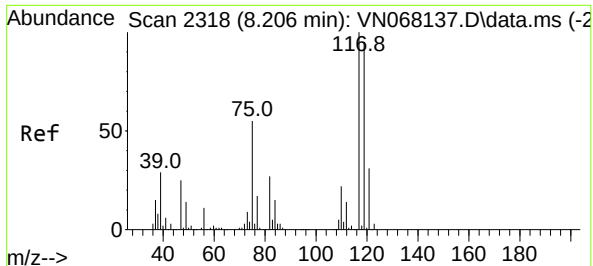
Tgt Ion:113 Resp: 230026
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.8
192 20.8 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.736 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.145 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

Tgt Ion: 75 Resp: 29471
Ion Ratio Lower Upper
75 100
110 10.1 15.7 47.0#
77 0.0 24.6 37.0#

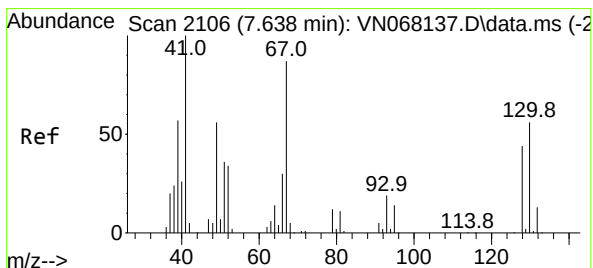
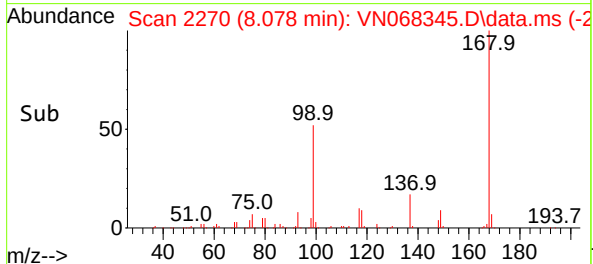
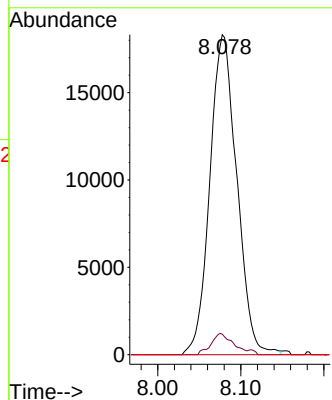
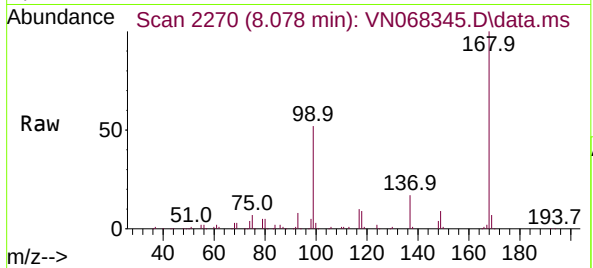




#38
Carbon Tetrachloride
Concen: 5.761 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.128 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

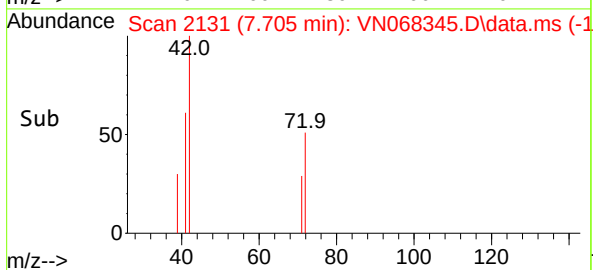
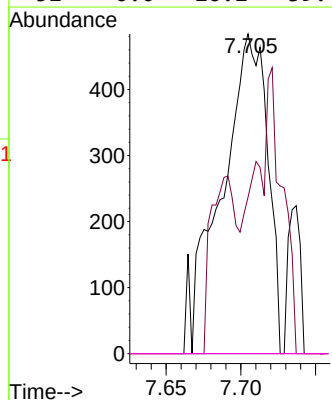
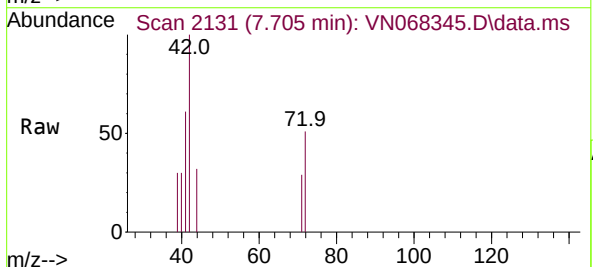
Instrument :
MSVOA_N
ClientSampled :
PE-1

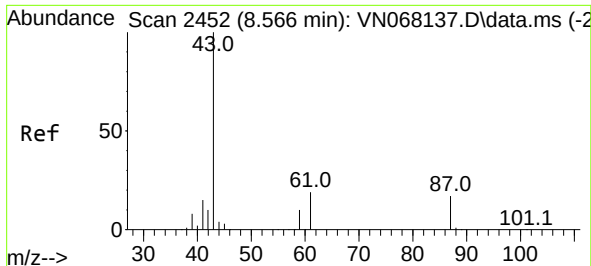
Tgt Ion:117 Resp: 41352
Ion Ratio Lower Upper
117 100
119 6.4 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 0.432 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.067 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

Tgt Ion: 41 Resp: 1045
Ion Ratio Lower Upper
41 100
39 31.5 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

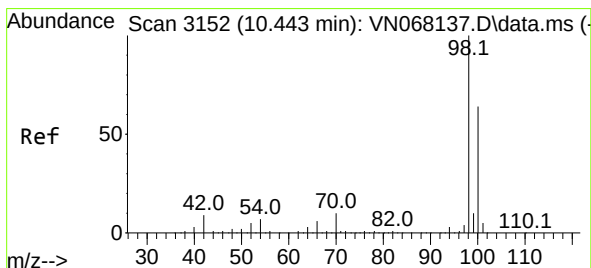
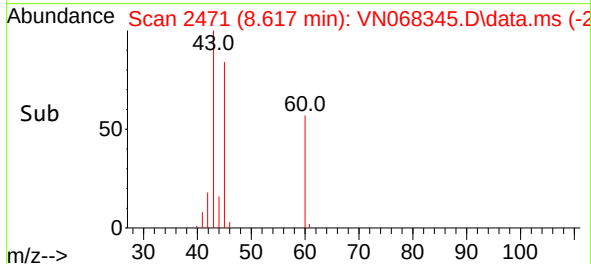
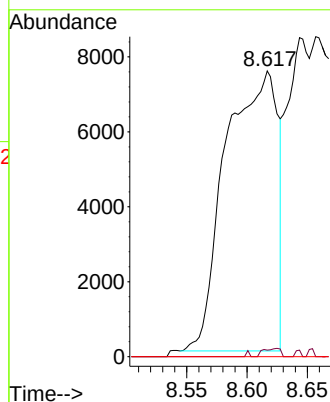
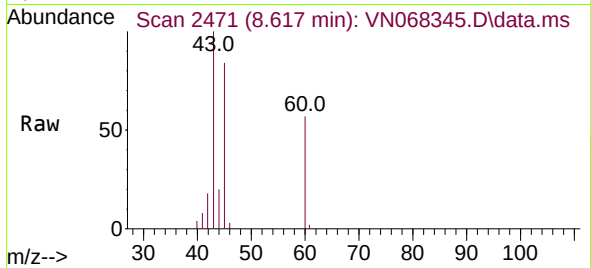




#43
Isopropyl Acetate
Concen: 2.617 ug/l
RT: 8.617 min Scan# 2471
Delta R.T. 0.051 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

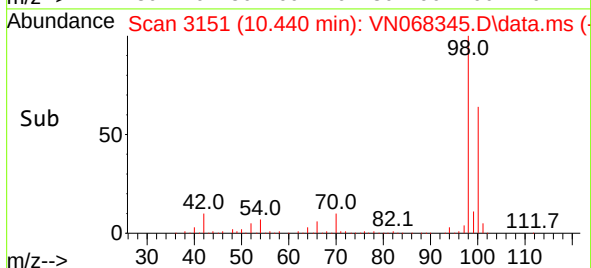
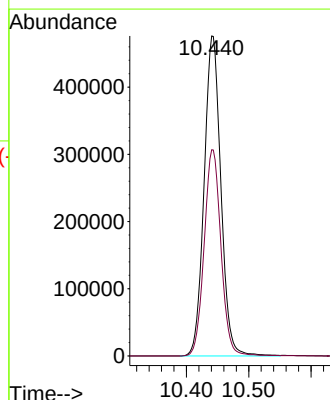
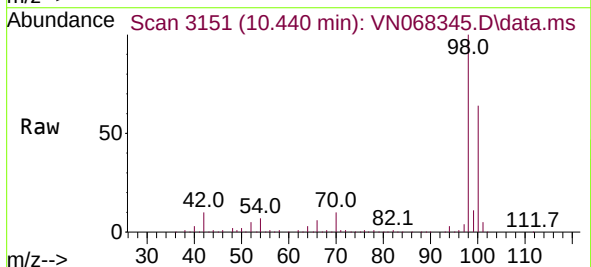
Instrument :
MSVOA_N
ClientSampled :
PE-1

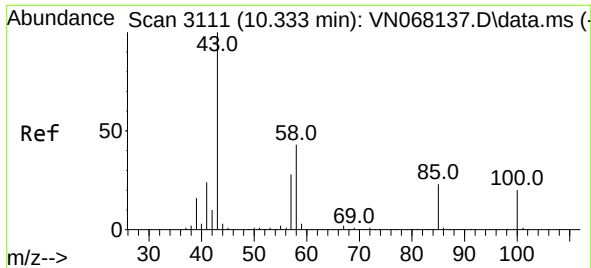
Tgt Ion: 43 Resp: 22222
Ion Ratio Lower Upper
43 100
61 1.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 48.929 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

Tgt Ion: 98 Resp: 891080
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5

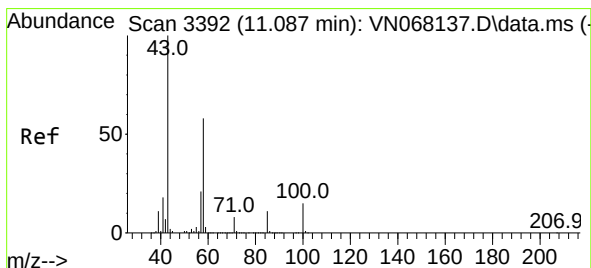
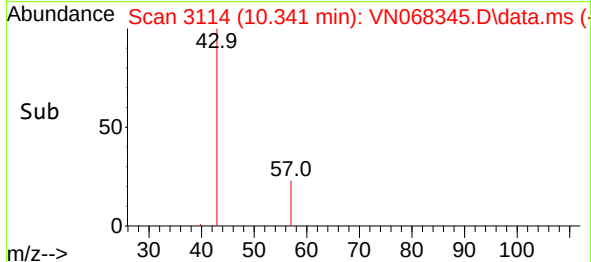
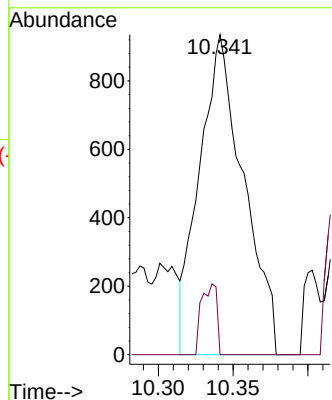
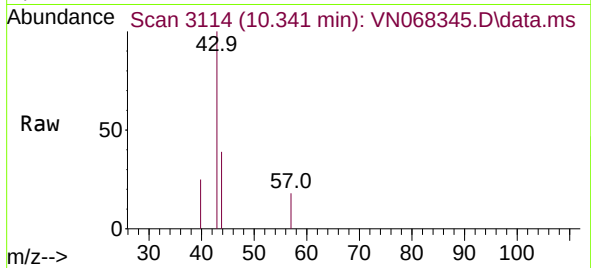




#51
4-Methyl-2-Pentanone
Concen: 0.367 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

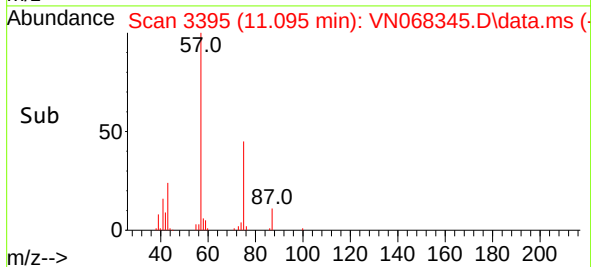
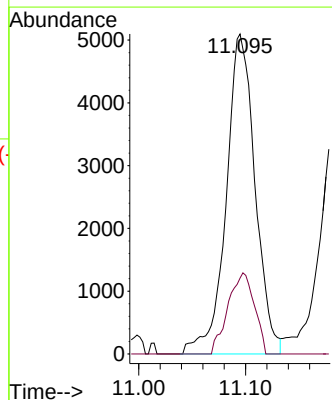
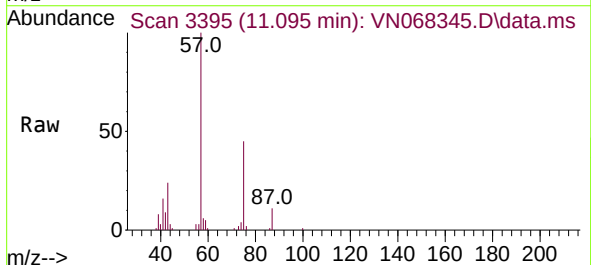
Instrument :
MSVOA_N
ClientSampled :
PE-1

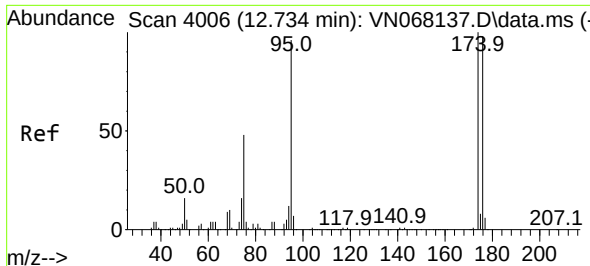
Tgt Ion: 43 Resp: 1914
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#59
2-Hexanone
Concen: 2.650 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

Tgt Ion: 43 Resp: 9598
Ion Ratio Lower Upper
43 100
58 23.0 24.7 74.1#

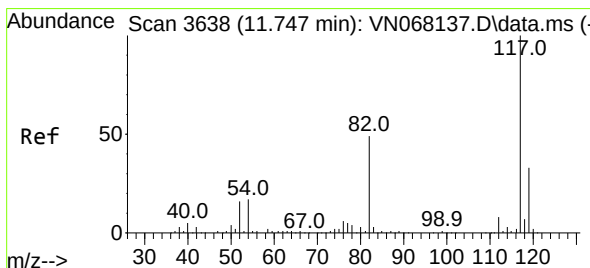
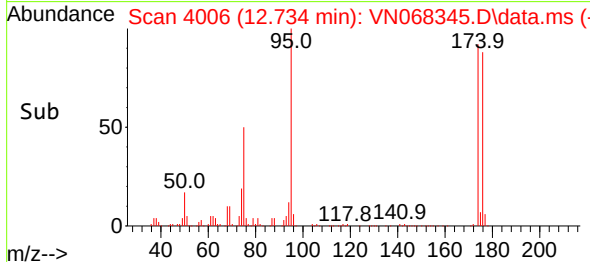
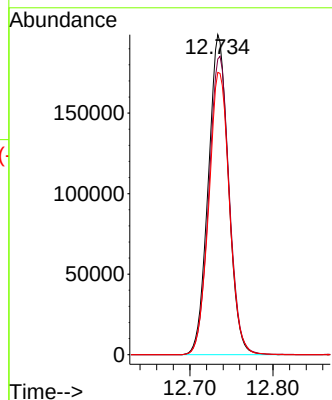
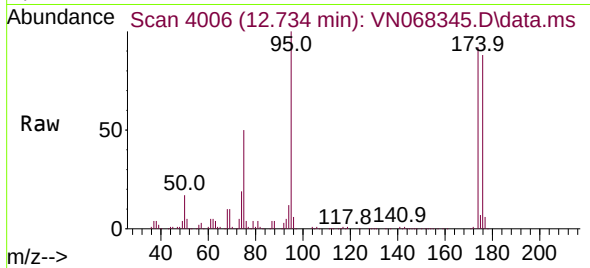




#62
4-Bromofluorobenzene
Concen: 55.077 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

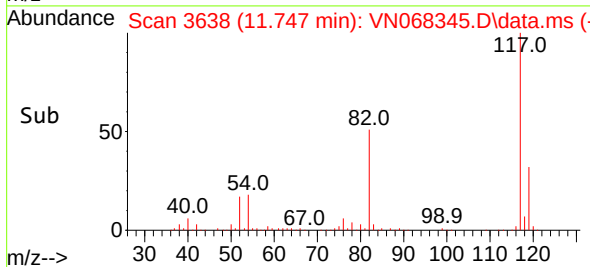
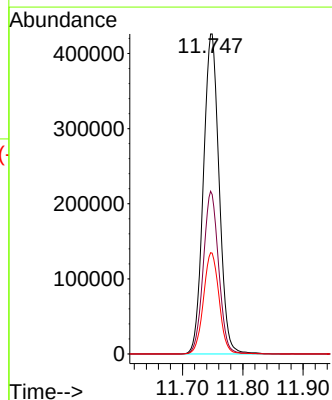
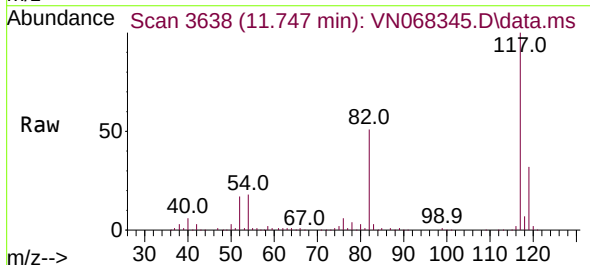
Instrument :
MSVOA_N
ClientSampled :
PE-1

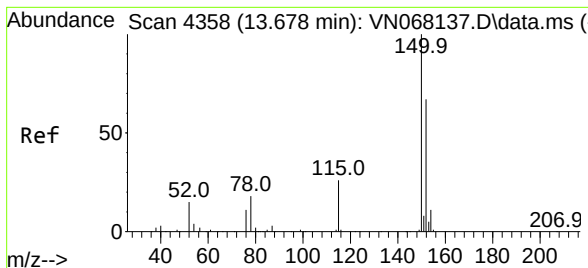
Tgt Ion: 95 Resp: 333908
Ion Ratio Lower Upper
95 100
174 95.1 0.0 122.0
176 90.5 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

Tgt Ion: 117 Resp: 773281
Ion Ratio Lower Upper
117 100
82 50.8 53.1 79.7#
119 31.7 25.5 38.3

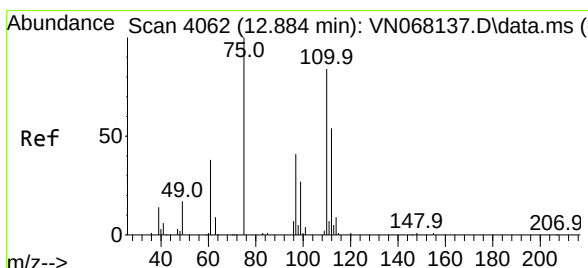
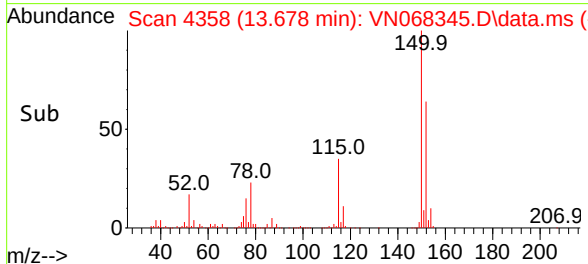
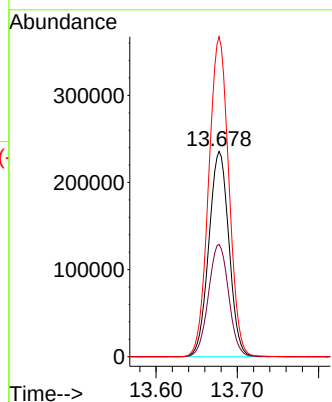
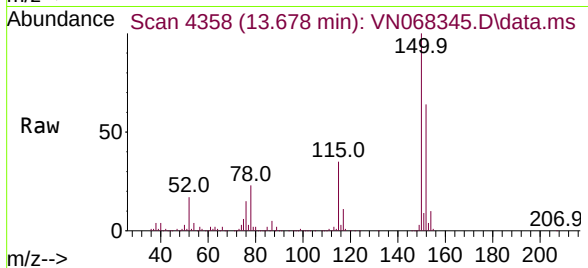




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

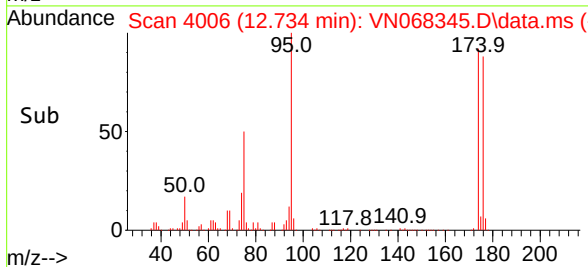
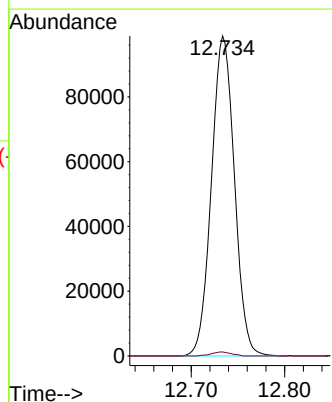
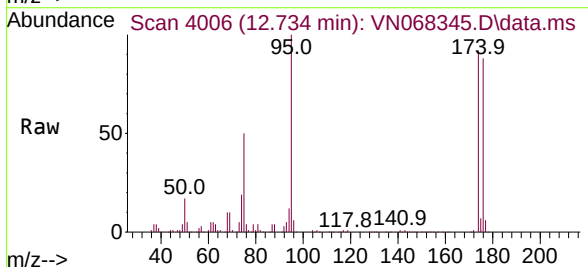
Instrument :
MSVOA_N
ClientSampled :
PE-1

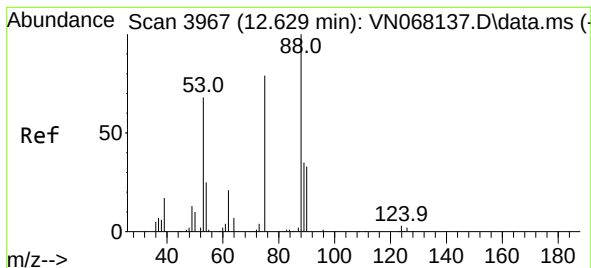
Tgt Ion:152 Resp: 404701
Ion Ratio Lower Upper
152 100
115 55.0 36.1 108.5
150 156.3 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 25.054 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

Tgt Ion: 75 Resp: 168527
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

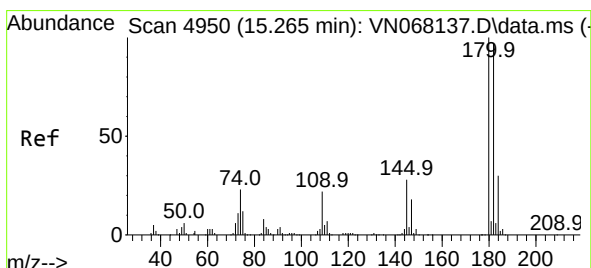
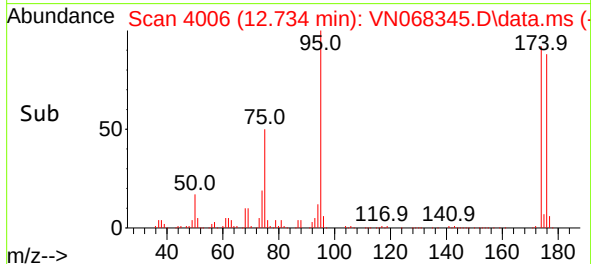
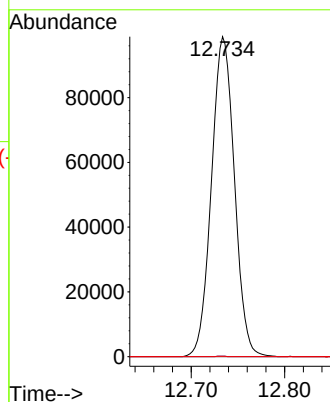
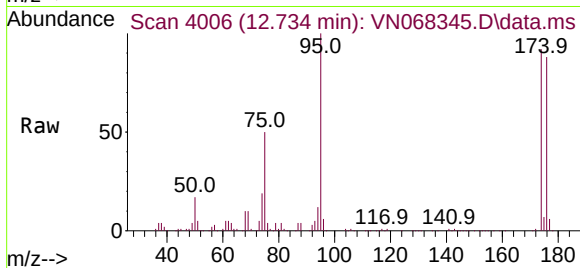




#81
trans-1,4-Dichloro-2-butene
Concen: 82.081 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

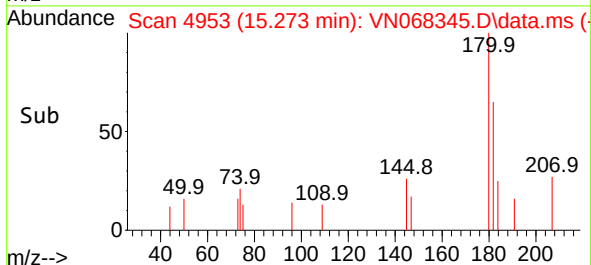
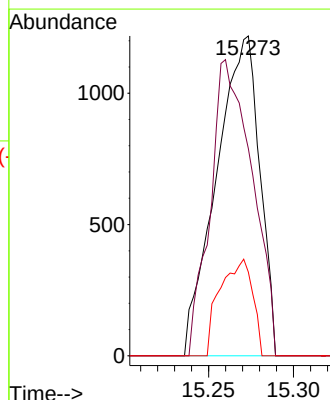
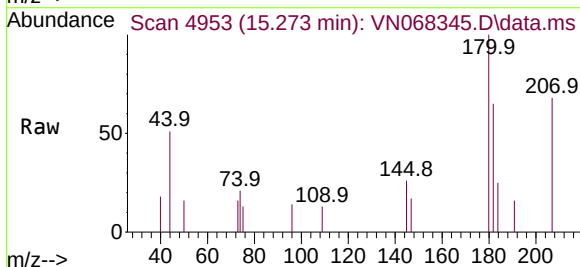
Instrument :
MSVOA_N
ClientSampled :
PE-1

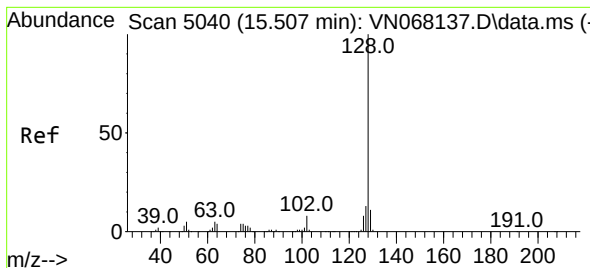
Tgt Ion: 75 Resp: 168527
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.988 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

Tgt Ion:180 Resp: 2159
Ion Ratio Lower Upper
180 100
182 89.5 47.5 142.5
145 22.6 17.2 51.6

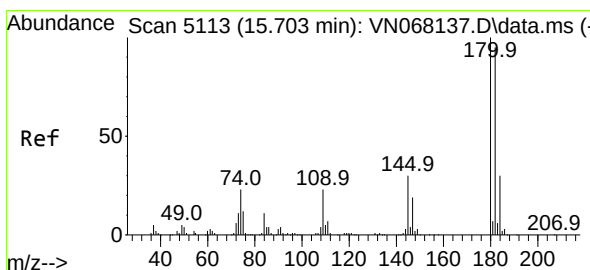
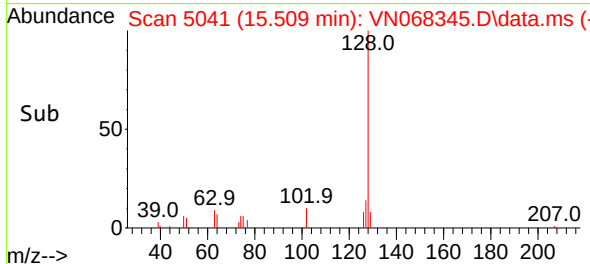
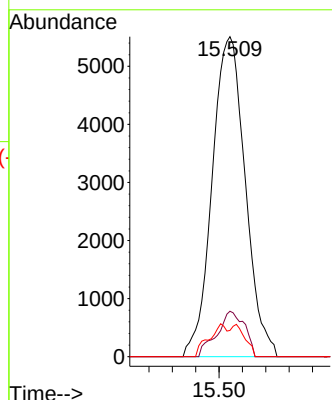
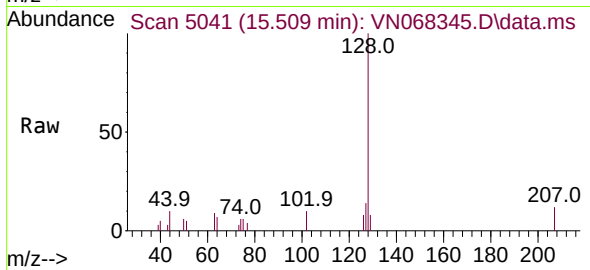




#95
Naphthalene
Concen: 3.980 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

Instrument :
MSVOA_N
ClientSampled :
PE-1

Tgt Ion:128	Resp:	10829
Ion Ratio	Lower	Upper
128	100	
127	11.9	10.6 15.8
129	5.5	8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 3.163 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.006 min
Lab File: VN068345.D
Acq: 27 Aug 2021 15:30

Tgt Ion:180	Resp:	2250
Ion Ratio	Lower	Upper
180	100	
182	78.6	47.8 143.3
145	11.5	18.2 54.6#

