

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081821\
 Data File : VN068195.D
 Acq On : 18 Aug 2021 16:00
 Operator : JC/MD
 Sample : M3435-35
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 19 03:07:19 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)

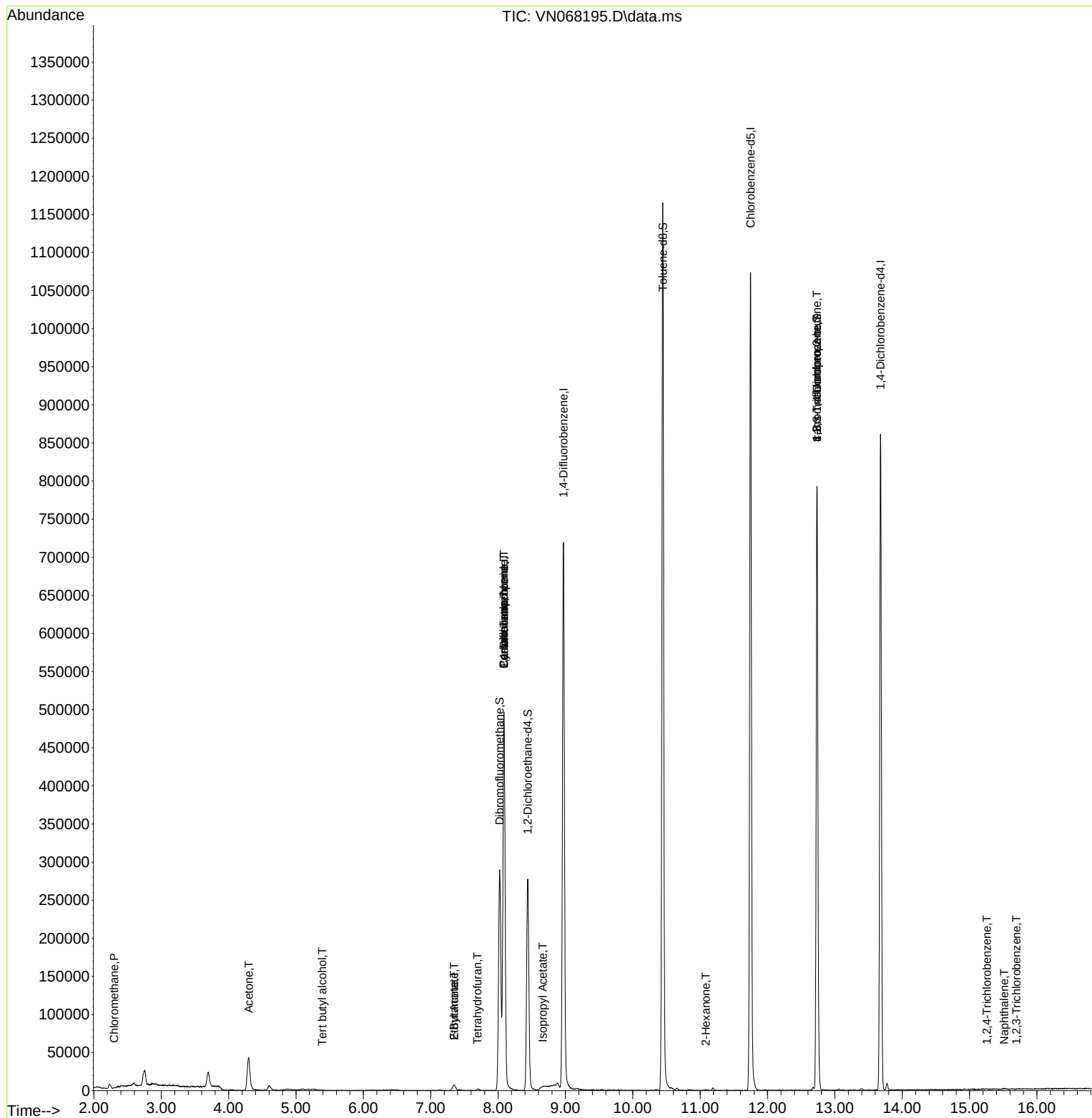
Internal Standards						
1) Pentafluorobenzene	8.088	168	409231	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	682838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	693983	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	258652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	238037	54.477	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	108.960%	
35) Dibromofluoromethane	8.024	113	212826	49.644	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	99.280%	
50) Toluene-d8	10.446	98	852390	52.181	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	104.360%	
62) 4-Bromofluorobenzene	12.734	95	266461	49.001	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	98.000%	
Target Compounds						
						Qvalue
3) Chloromethane	2.301	50	749	0.204	ug/l	99
5) Bromomethane	2.867	94	708	Below Cal		87
6) Chloroethane	3.151	64	24	Below Cal	#	44
11) Tert butyl alcohol	5.390	59	126	0.231	ug/l	# 71
13) Acrolein	4.031	56	164	Below Cal	#	79
16) Acetone	4.299	43	79285	62.148	ug/l	93
18) Methyl Acetate	4.867	43	2795	Below Cal	#	78
20) Methylene Chloride	5.095	84	595	Below Cal	#	59
25) 2-Butanone	7.348	43	10311	5.186	ug/l	99
29) Tetrahydrofuran	7.694	42	506	0.398	ug/l	# 22
31) Cyclohexane	8.086	56	7491	1.302	ug/l	# 5
36) 1,1-Dichloropropene	8.086	75	27962	5.009	ug/l	# 52
37) Ethyl Acetate	7.348	43	10311	2.168	ug/l	# 69
38) Carbon Tetrachloride	8.086	117	38672	6.007	ug/l	# 17
43) Isopropyl Acetate	8.662	43	4123	0.541	ug/l	# 58
59) 2-Hexanone	11.084	43	650	0.200	ug/l	78
76) 1,2,3-Trichloropropane	12.734	75	134546	31.297	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	134546	102.533	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.257	180	200	2.729	ug/l	# 77
95) Naphthalene	15.515	128	1379	3.471	ug/l	# 78
96) 1,2,3-Trichlorobenzene	15.694	180	143	2.864	ug/l	# 8

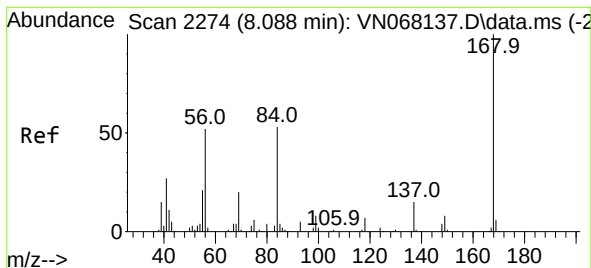
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068195.D

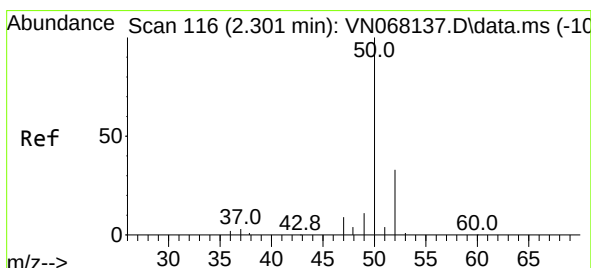
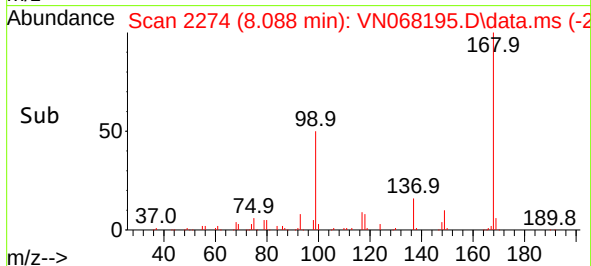
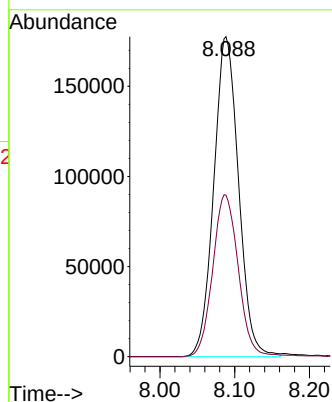
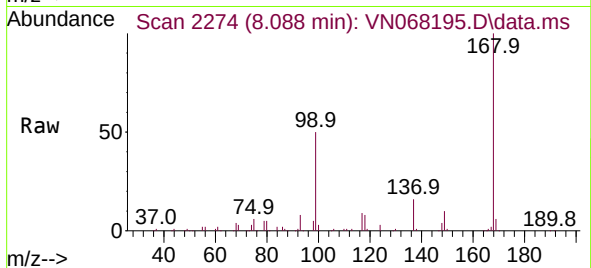
Acq: 18 Aug 2021 16:00

Tgt Ion:168 Resp: 409231

Ion Ratio Lower Upper

168 100
99 50.5 62.9 94.3#

Instrument :
MSVOA_N
ClientSampled :



#3

Chloromethane

Concen: 0.204 ug/l

RT: 2.301 min Scan# 116

Delta R.T. -0.000 min

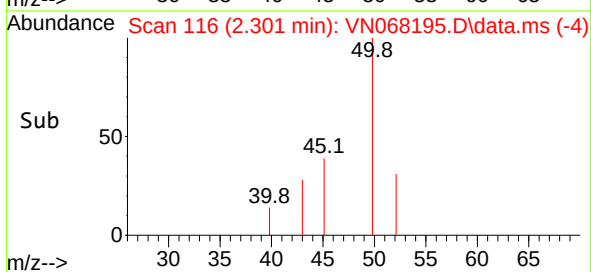
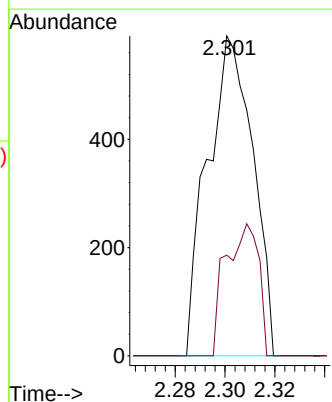
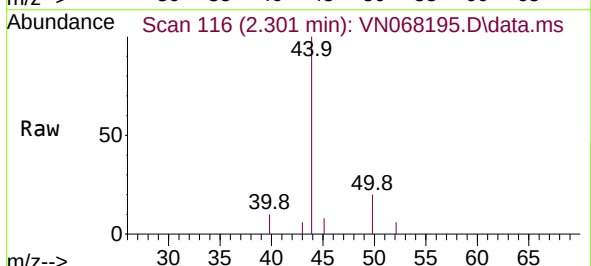
Lab File: VN068195.D

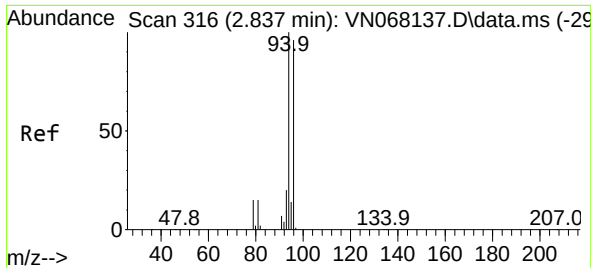
Acq: 18 Aug 2021 16:00

Tgt Ion: 50 Resp: 749

Ion Ratio Lower Upper

50 100
52 31.5 25.6 38.4

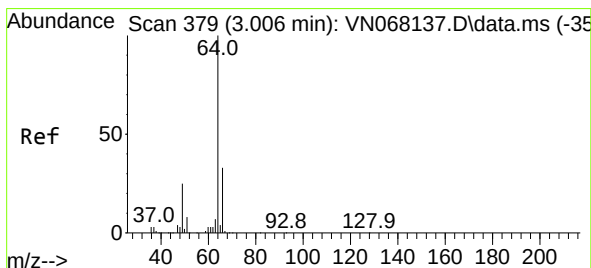
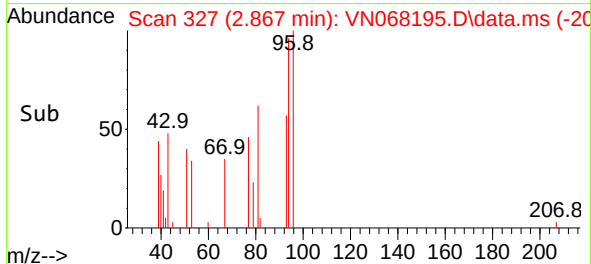
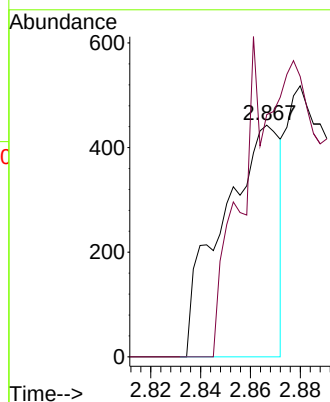
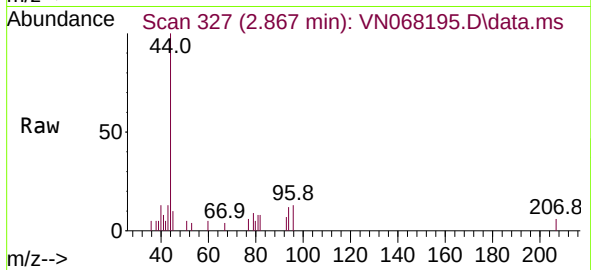




#5
Bromomethane
Concen: Below Cal
RT: 2.867 min Scan# 327
Delta R.T. 0.030 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

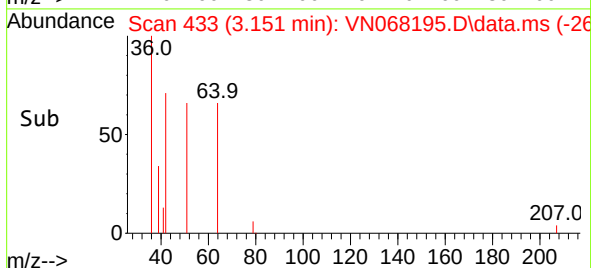
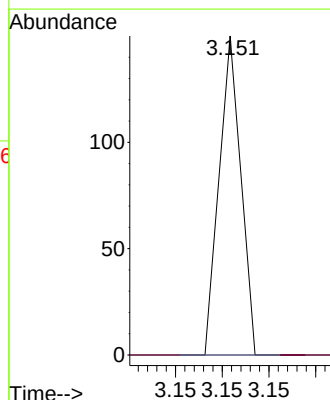
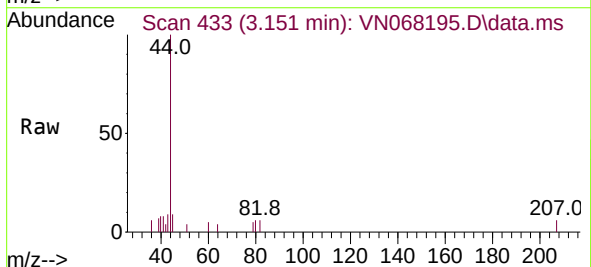
Instrument :
MSVOA_N
ClientSampled :

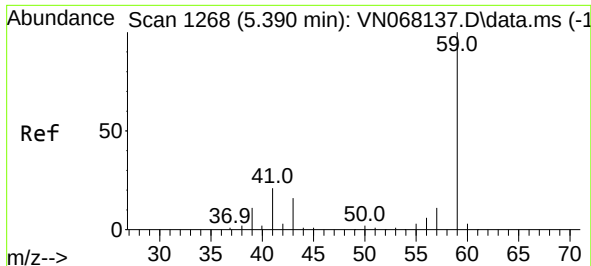
Tgt Ion: 94 Resp: 708
Ion Ratio Lower Upper
94 100
96 104.5 73.7 110.5



#6
Chloroethane
Concen: Below Cal
RT: 3.151 min Scan# 433
Delta R.T. 0.145 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

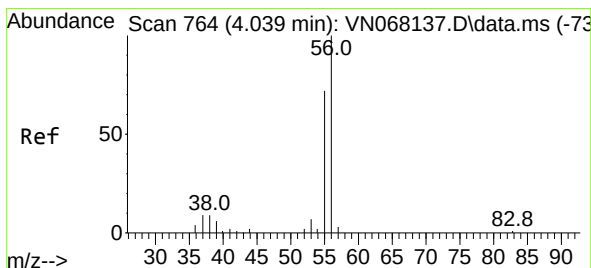
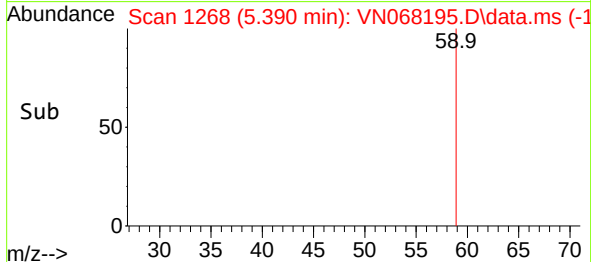
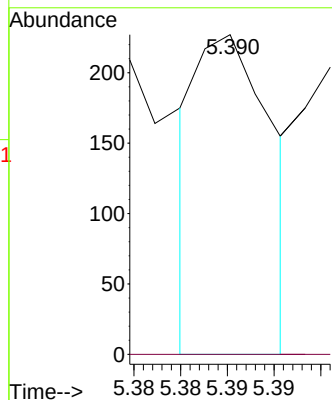
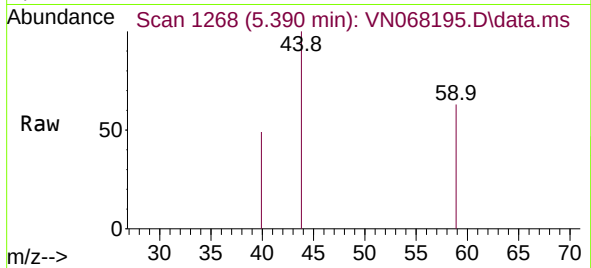




#11
Tert butyl alcohol
Concen: 0.231 ug/l
RT: 5.390 min Scan# 1268
Delta R.T. 0.000 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

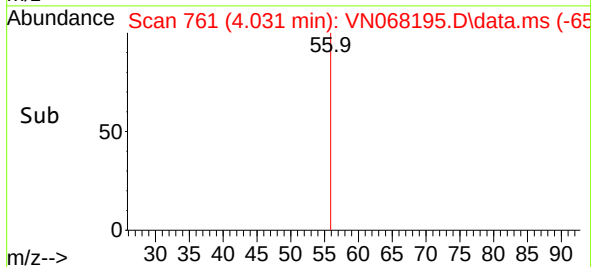
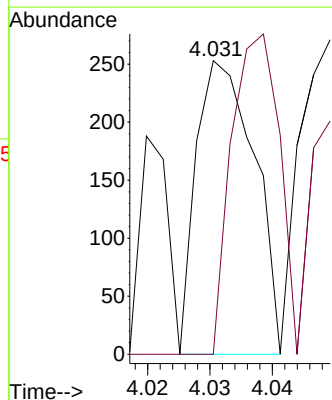
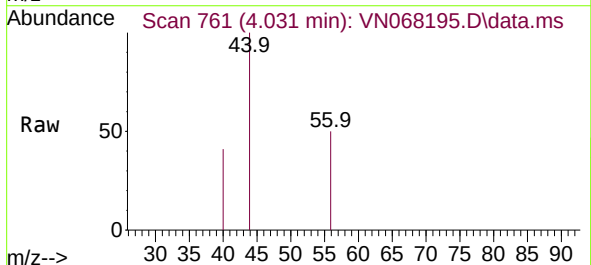
Instrument :
MSVOA_N
ClientSampled :

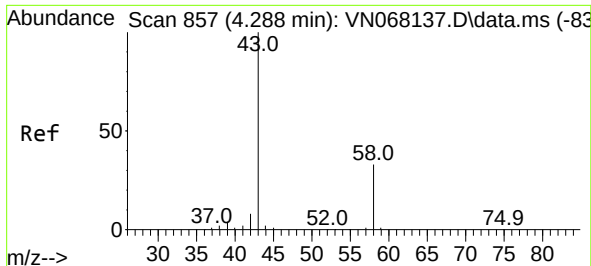
Tgt Ion: 59 Resp: 126
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: Below Cal
RT: 4.031 min Scan# 761
Delta R.T. -0.008 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

Tgt Ion: 56 Resp: 164
Ion Ratio Lower Upper
56 100
55 89.0 57.4 86.0#

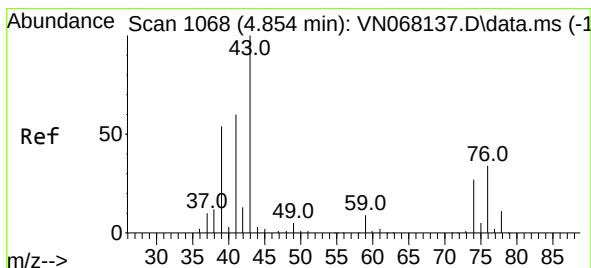
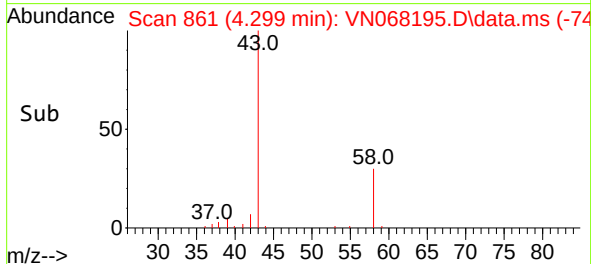
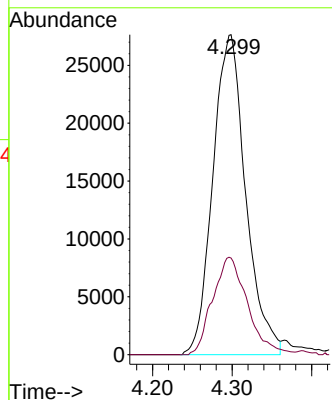
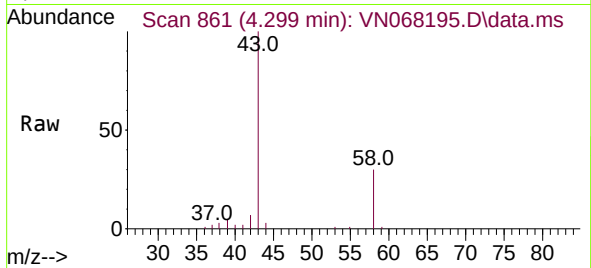




#16
Acetone
Concen: 62.148 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

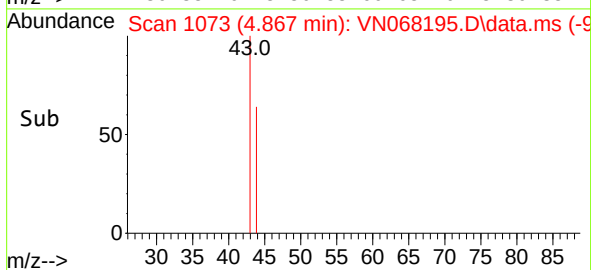
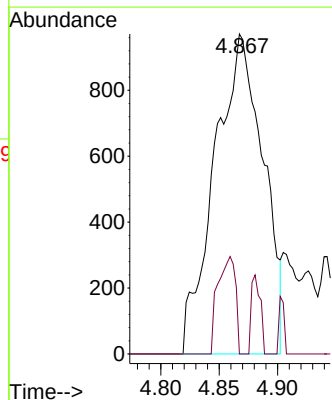
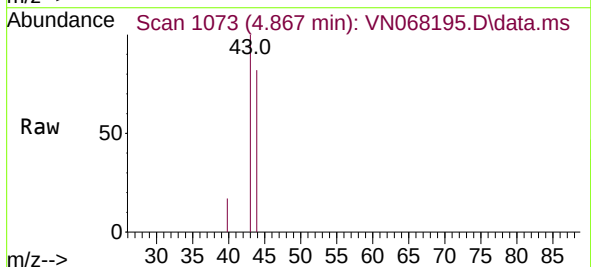
Instrument :
MSVOA_N
ClientSampled :

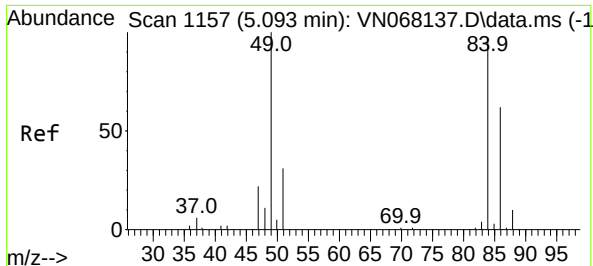
Tgt Ion: 43 Resp: 79285
Ion Ratio Lower Upper
43 100
58 30.2 21.2 31.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

Tgt Ion: 43 Resp: 2795
Ion Ratio Lower Upper
43 100
74 11.1 17.4 26.0#

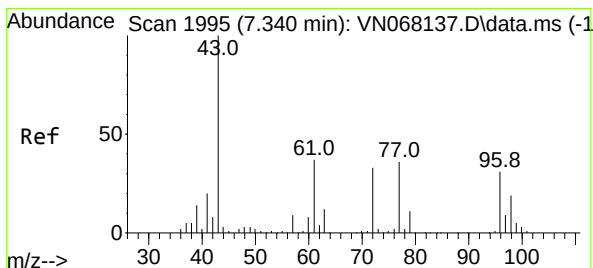
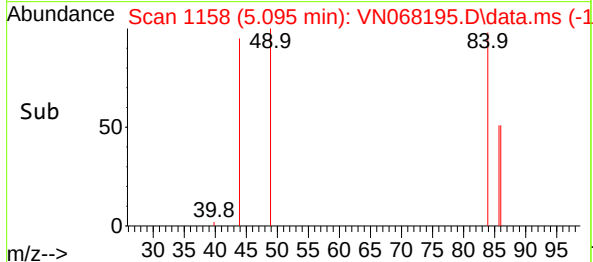
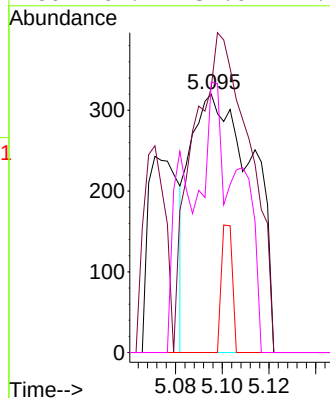
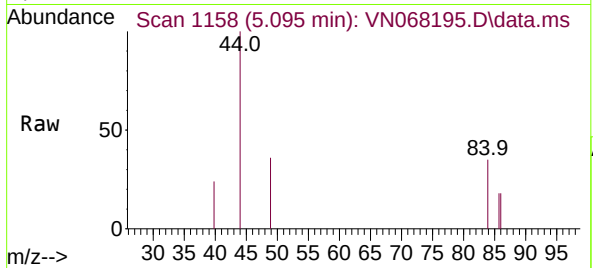




#20
Methylene Chloride
Concen: Below Cal
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

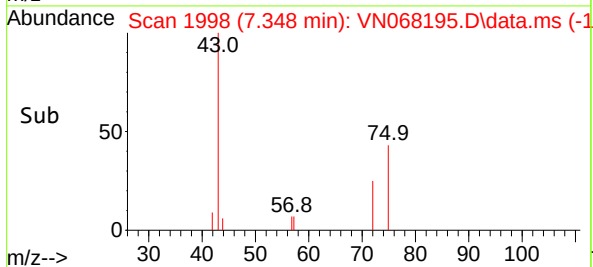
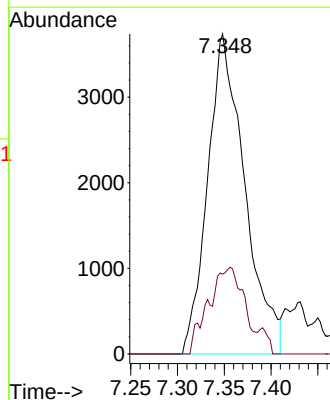
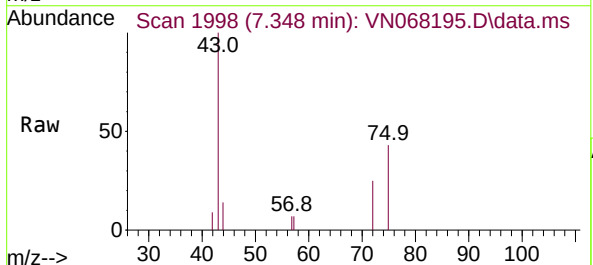
Instrument :
MSVOA_N
ClientSampled :

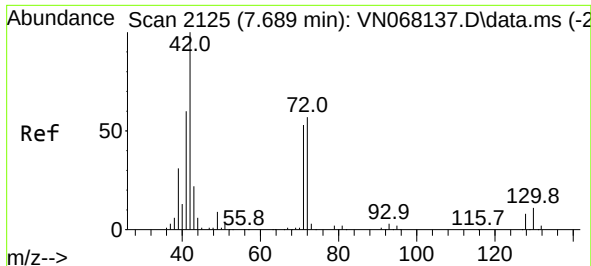
Tgt Ion: 84 Resp: 595
Ion Ratio Lower Upper
84 100
49 102.5 110.9 166.3#
51 0.0 32.6 49.0#
86 104.7 51.6 77.4#



#25
2-Butanone
Concen: 5.186 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.008 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

Tgt Ion: 43 Resp: 10311
Ion Ratio Lower Upper
43 100
72 24.9 19.7 29.5





#29

Tetrahydrofuran

Concen: 0.398 ug/l

RT: 7.694 min Scan# 2127

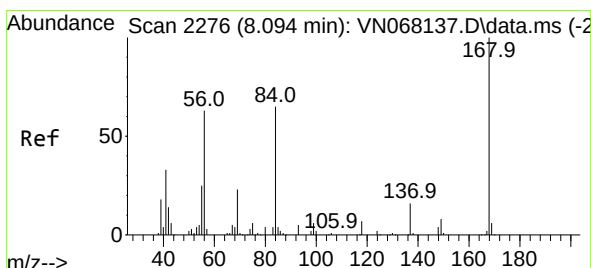
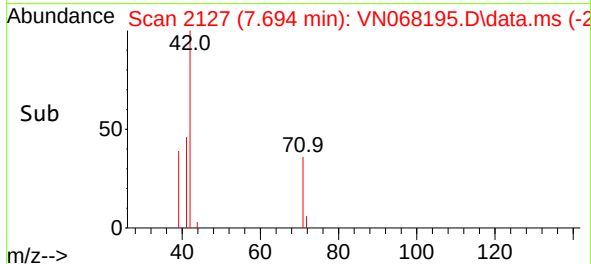
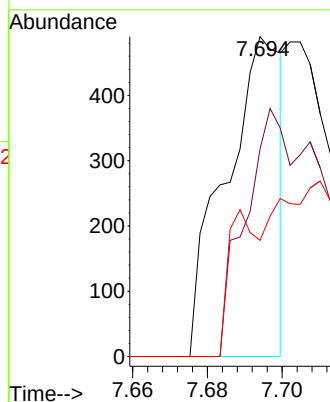
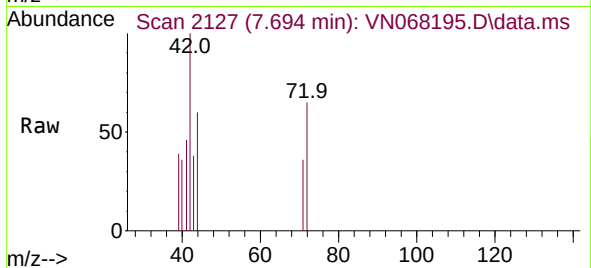
Delta R.T. 0.005 min

Lab File: VN068195.D

Acq: 18 Aug 2021 16:00

Tgt Ion:	42	Resp:	506
Ion	Ratio	Lower	Upper
42	100		
72	122.3	32.8	49.2#
71	25.1	31.2	46.8#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.302 ug/l

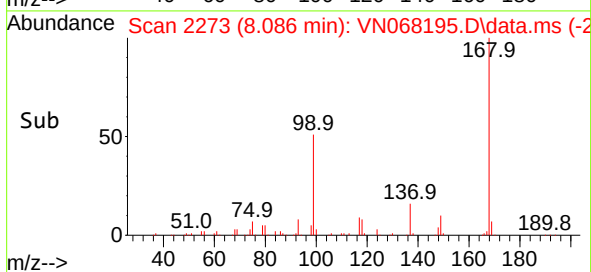
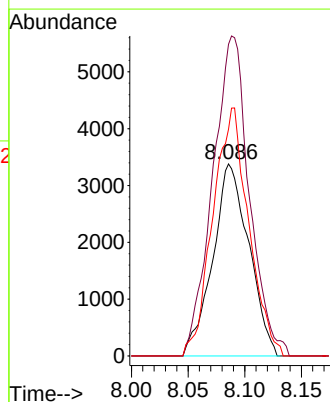
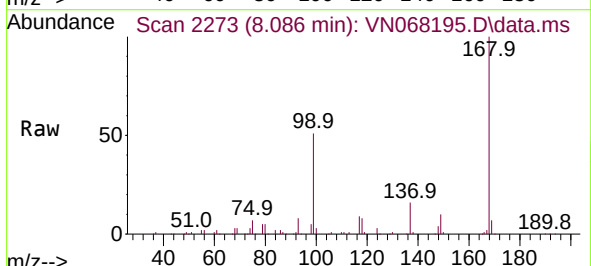
RT: 8.086 min Scan# 2273

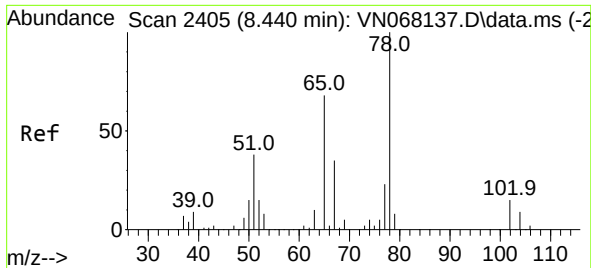
Delta R.T. -0.008 min

Lab File: VN068195.D

Acq: 18 Aug 2021 16:00

Tgt Ion:	56	Resp:	7491
Ion	Ratio	Lower	Upper
56	100		
69	162.3	27.3	40.9#
84	118.1	64.9	97.3#

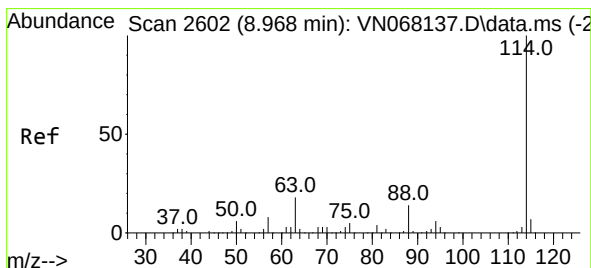
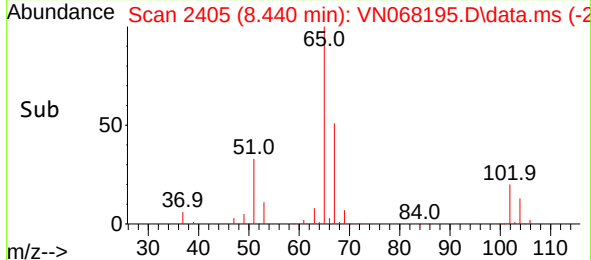
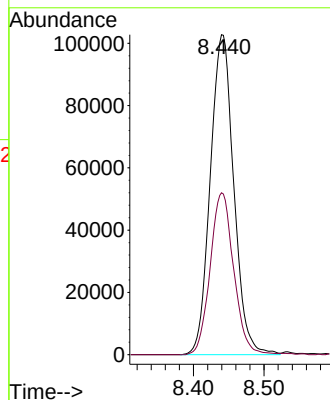
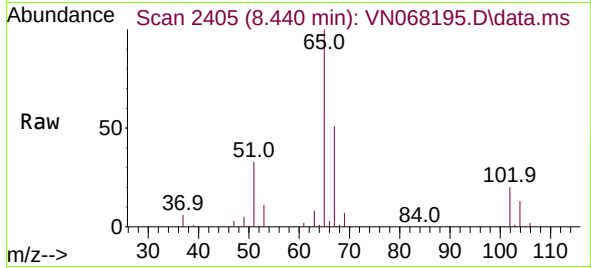




#33
 1,2-Dichloroethane-d4
 Concen: 54.477 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068195.D
 Acq: 18 Aug 2021 16:00

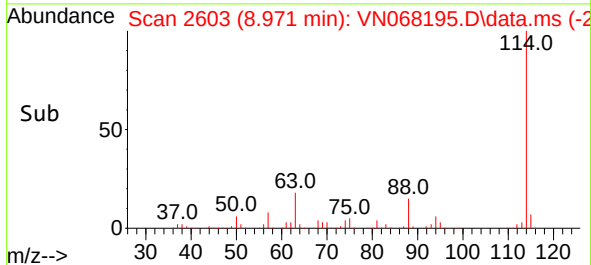
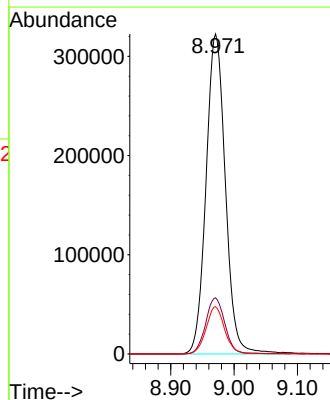
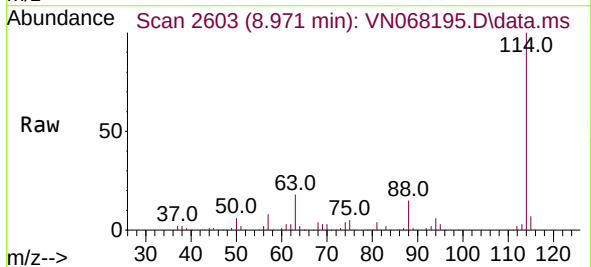
Instrument :
 MSVOA_N
 ClientSampled :

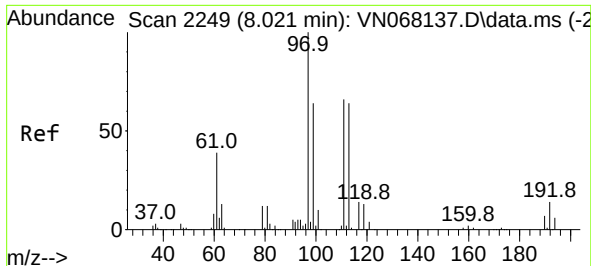
Tgt Ion: 65 Resp: 238037
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068195.D
 Acq: 18 Aug 2021 16:00

Tgt Ion: 114 Resp: 682838
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 49.0
 88 14.8 0.0 36.6

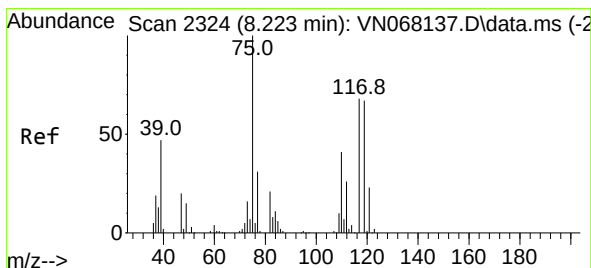
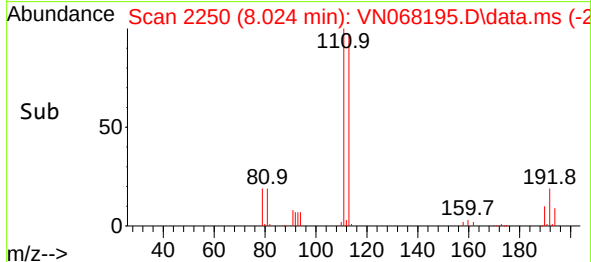
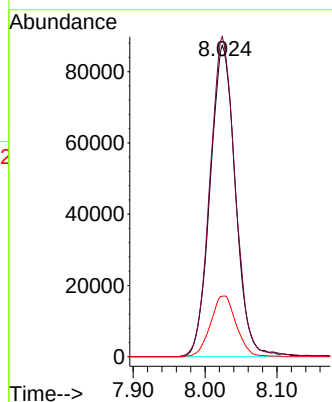
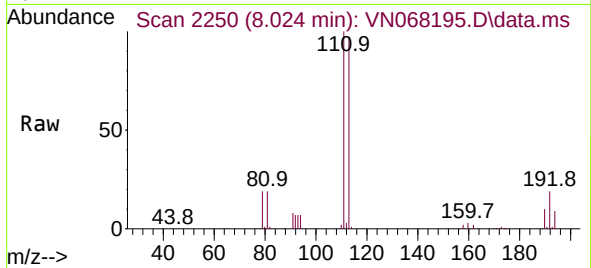




#35
Dibromofluoromethane
Concen: 49.644 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

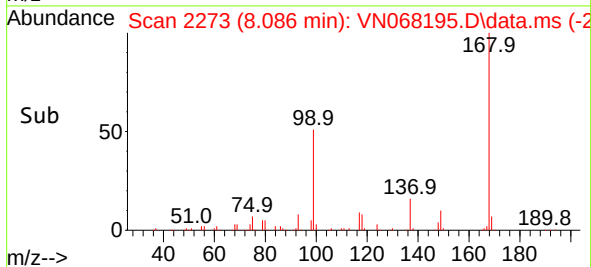
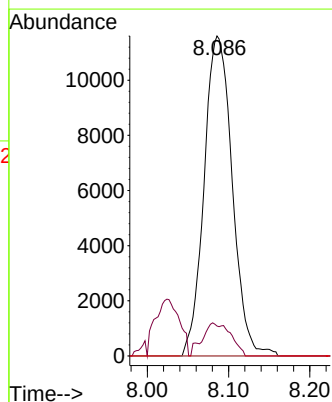
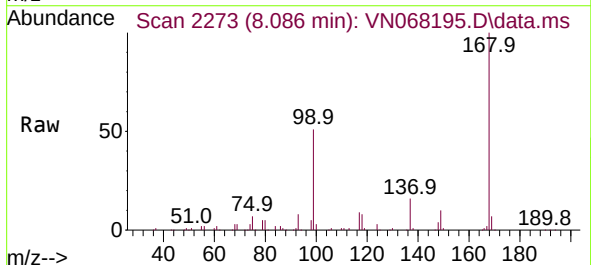
Instrument :
MSVOA_N
ClientSampled :

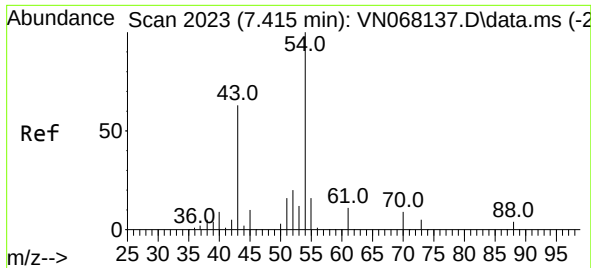
Tgt Ion:113 Resp: 212826
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.8
192 20.0 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.009 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

Tgt Ion: 75 Resp: 27962
Ion Ratio Lower Upper
75 100
110 9.3 15.7 47.0#
77 0.0 24.6 37.0#

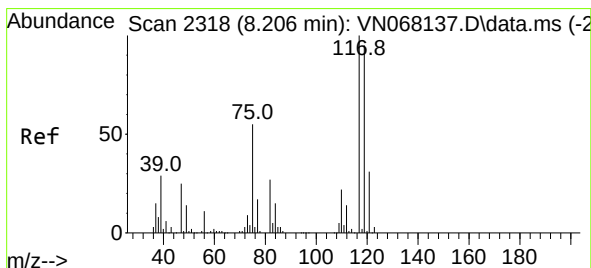
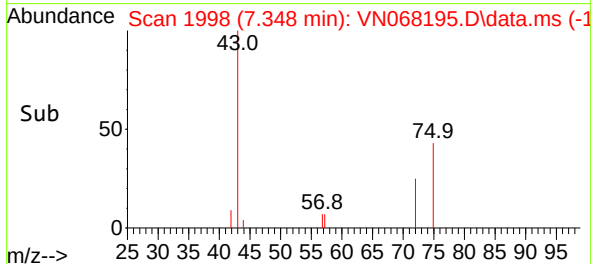
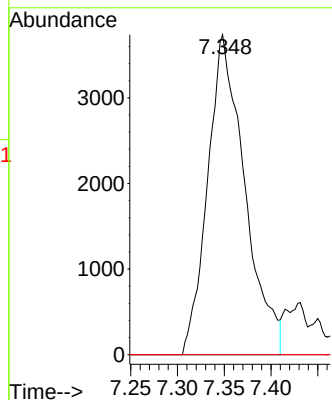
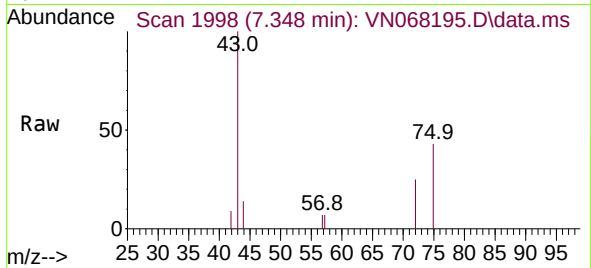




#37
Ethyl Acetate
Concen: 2.168 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.067 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

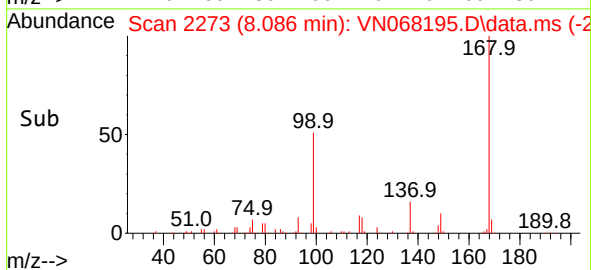
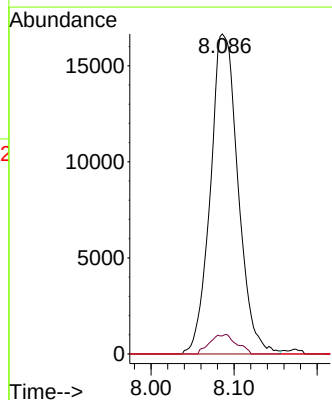
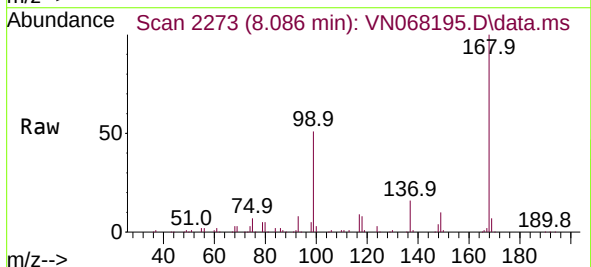
Instrument :
MSVOA_N
ClientSampleId :

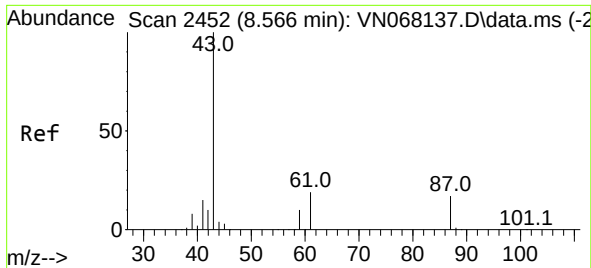
Tgt Ion: 43 Resp: 10311
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 6.007 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

Tgt Ion: 117 Resp: 38672
Ion Ratio Lower Upper
117 100
119 5.7 75.4 113.2#
121 0.0 23.5 35.3#

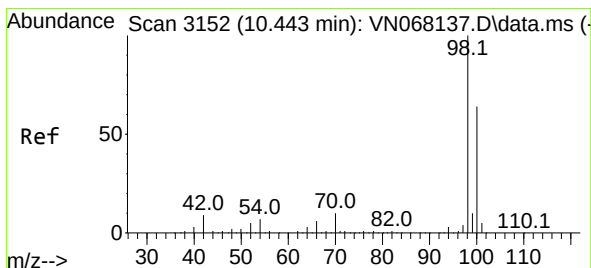
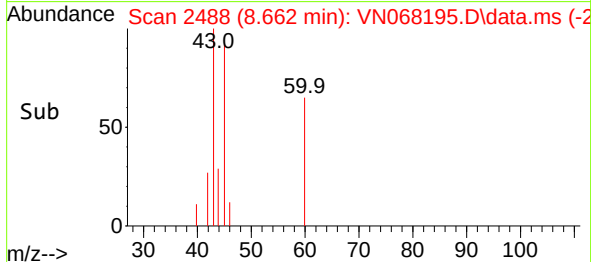
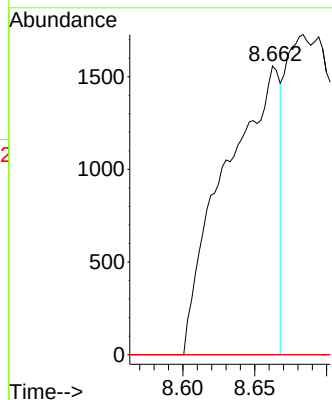
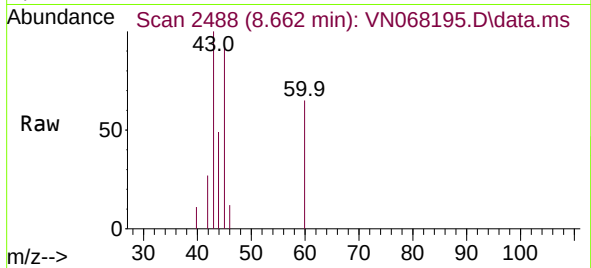




#43
Isopropyl Acetate
Concen: 0.541 ug/l
RT: 8.662 min Scan# 2488
Delta R.T. 0.096 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

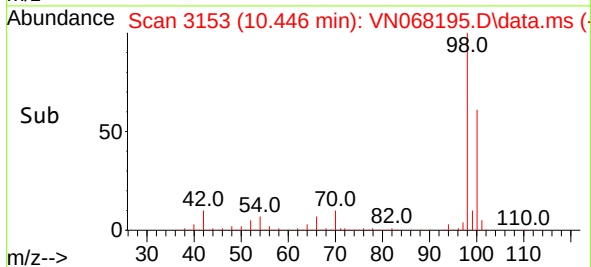
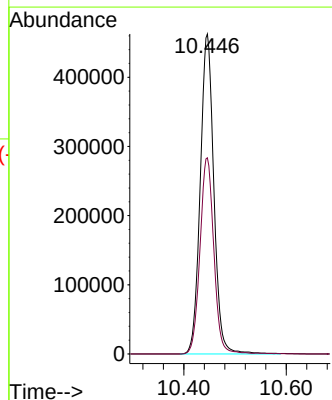
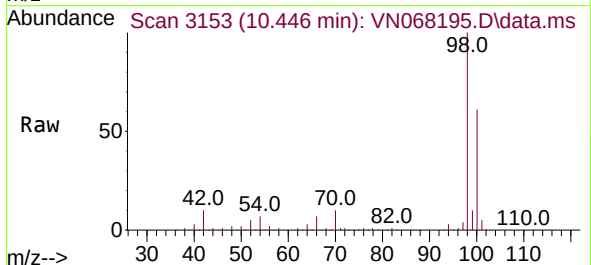
Instrument :
MSVOA_N
ClientSampled :

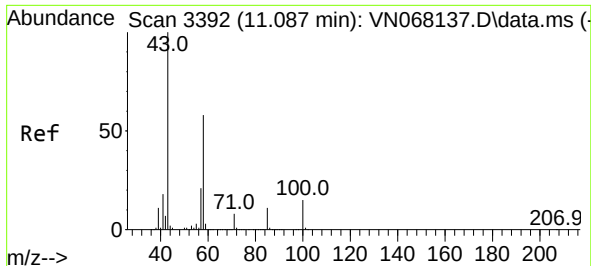
Tgt Ion: 43 Resp: 4123
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 52.181 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

Tgt Ion: 98 Resp: 852390
Ion Ratio Lower Upper
98 100
100 62.4 51.7 77.5

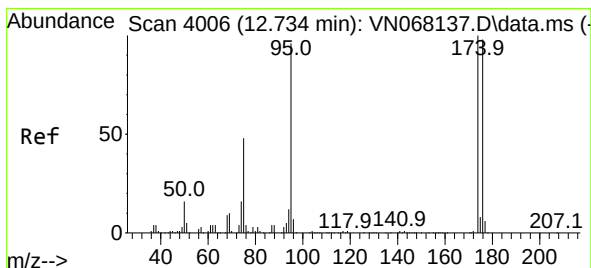
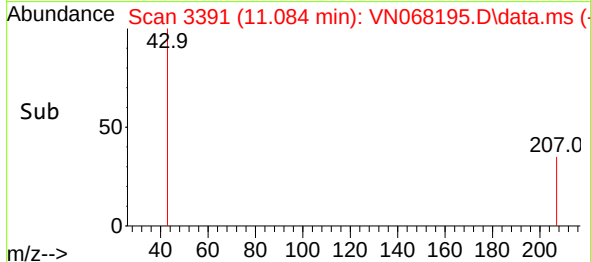
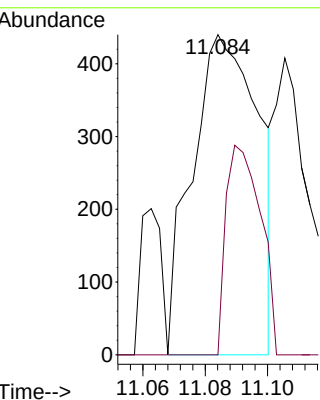
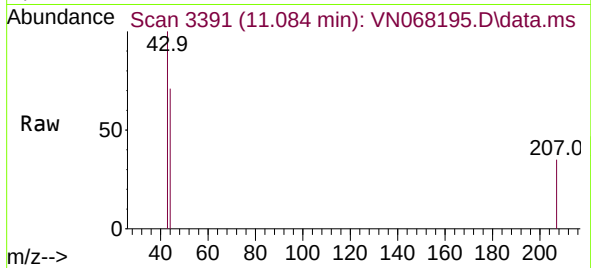




#59
2-Hexanone
Concen: 0.200 ug/l
RT: 11.084 min Scan# 3391
Delta R.T. -0.003 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

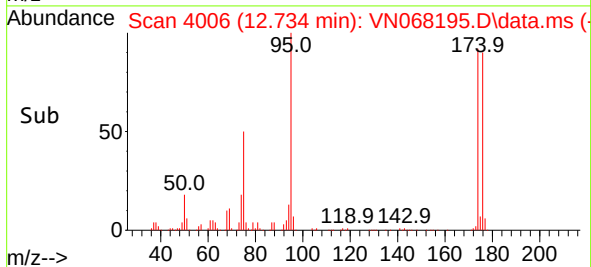
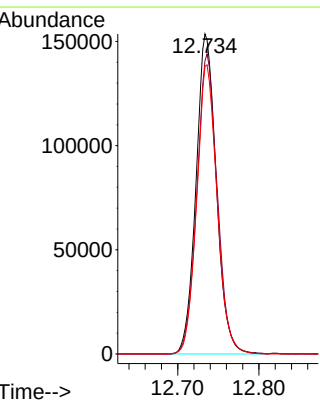
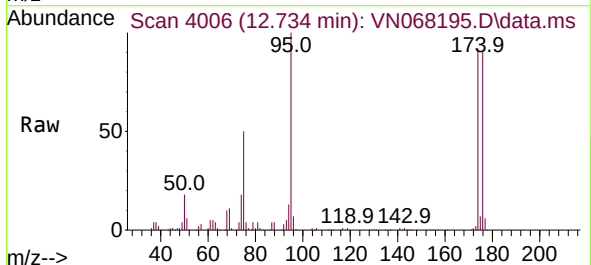
Instrument :
MSVOA_N
ClientSampled :

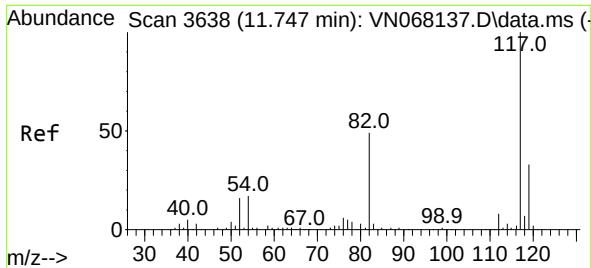
Tgt Ion: 43 Resp: 650
Ion Ratio Lower Upper
43 100
58 34.3 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 49.001 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

Tgt Ion: 95 Resp: 266461
Ion Ratio Lower Upper
95 100
174 94.4 0.0 122.0
176 90.3 0.0 117.6

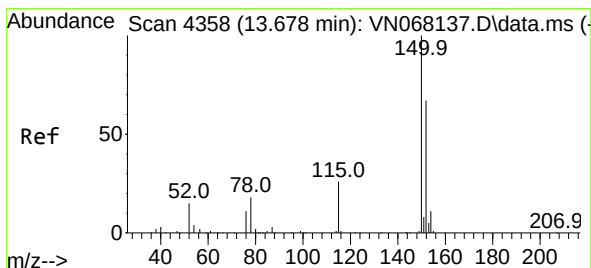
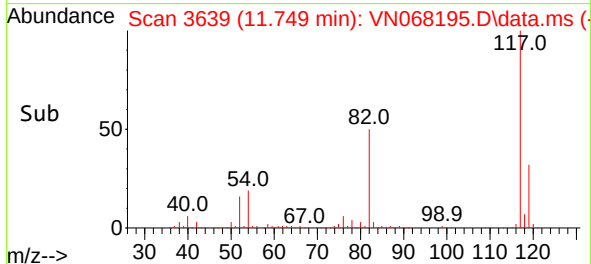
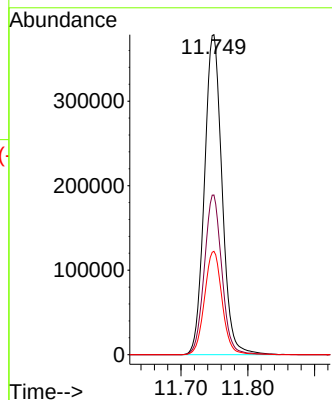
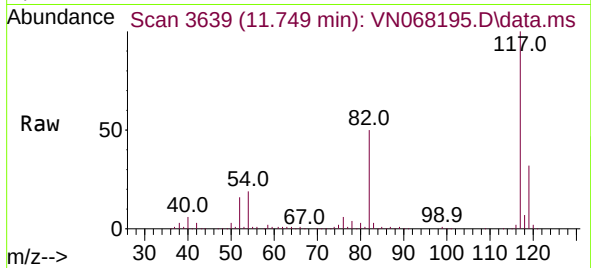




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

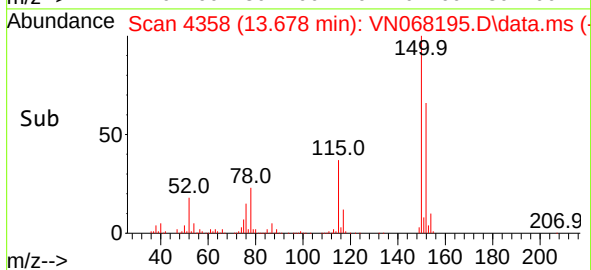
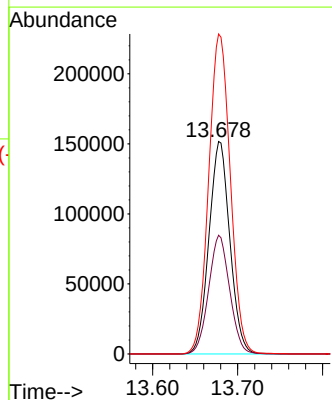
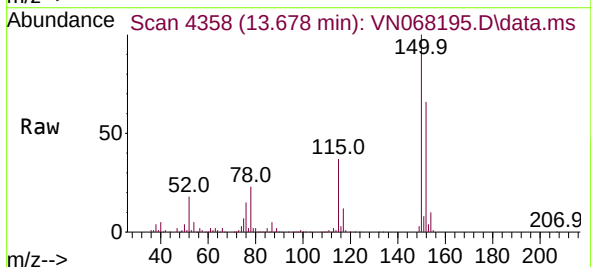
Instrument :
MSVOA_N
ClientSampled :

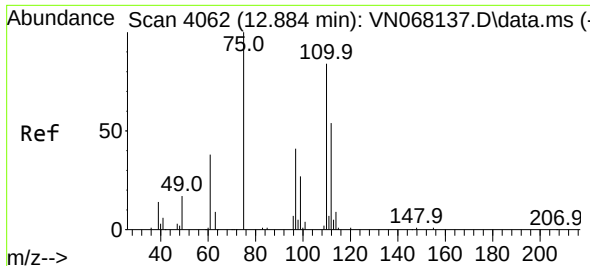
Tgt Ion:117 Resp: 693983
Ion Ratio Lower Upper
117 100
82 49.9 53.1 79.7#
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

Tgt Ion:152 Resp: 258652
Ion Ratio Lower Upper
152 100
115 56.2 36.1 108.5
150 155.9 0.0 351.8

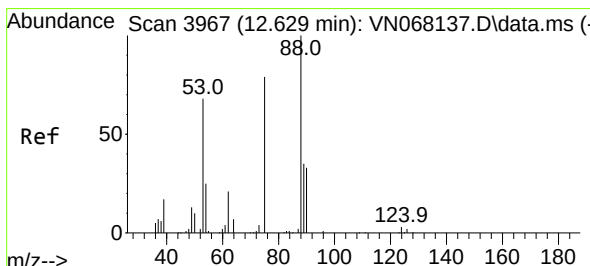
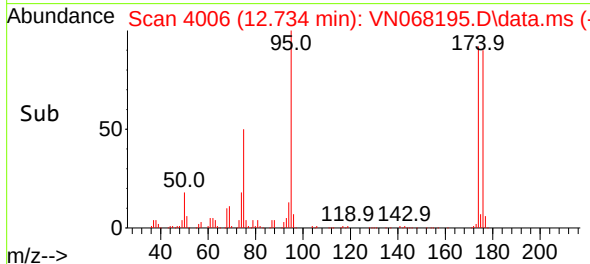
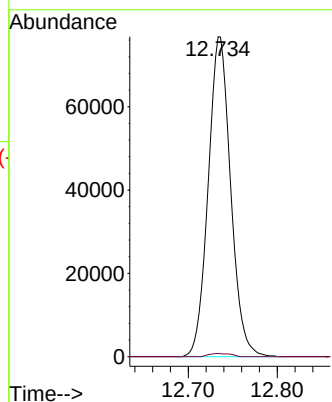
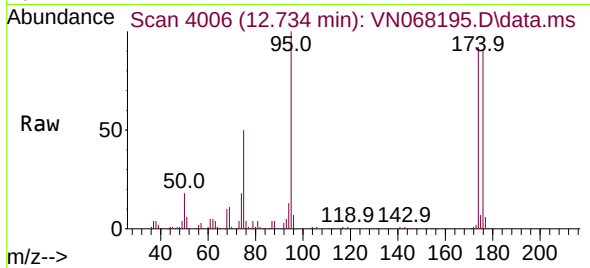




#76
1,2,3-Trichloropropane
Concen: 31.297 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

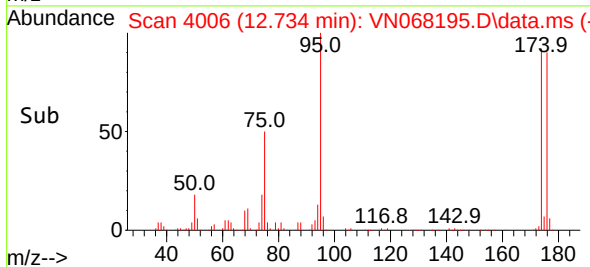
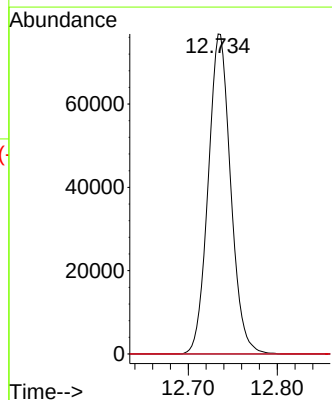
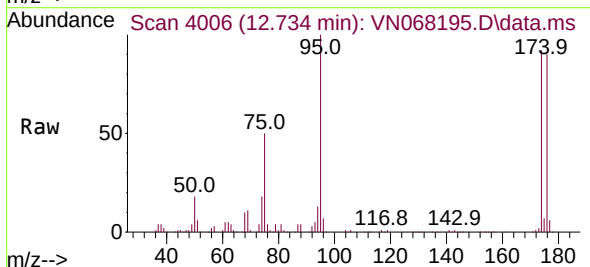
Instrument :
MSVOA_N
ClientSampled :

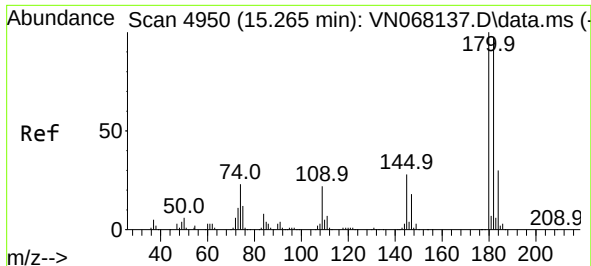
Tgt Ion: 75 Resp: 134546
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.533 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068195.D
Acq: 18 Aug 2021 16:00

Tgt Ion: 75 Resp: 134546
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

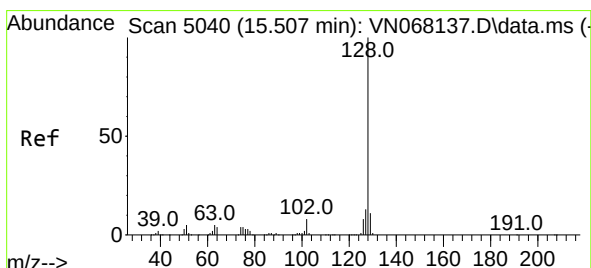
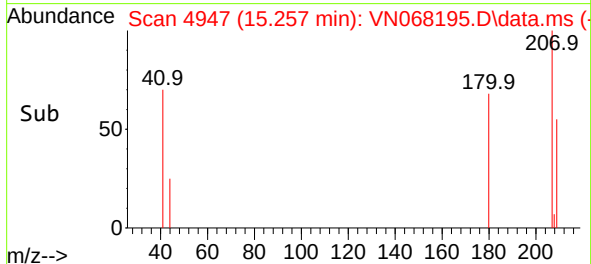
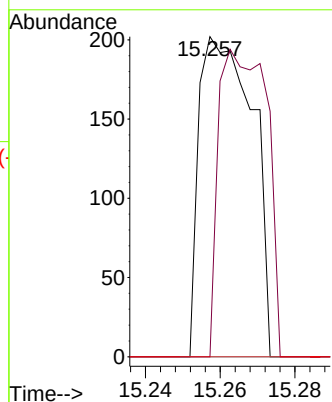
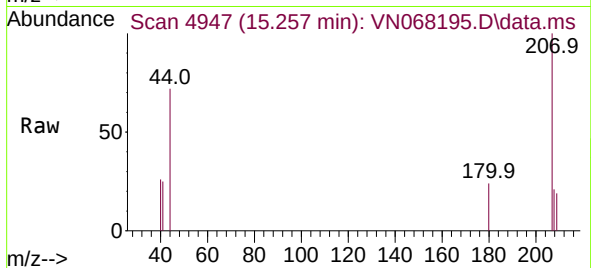




#93
 1,2,4-Trichlorobenzene
 Concen: 2.729 ug/l
 RT: 15.257 min Scan# 4947
 Delta R.T. -0.008 min
 Lab File: VN068195.D
 Acq: 18 Aug 2021 16:00

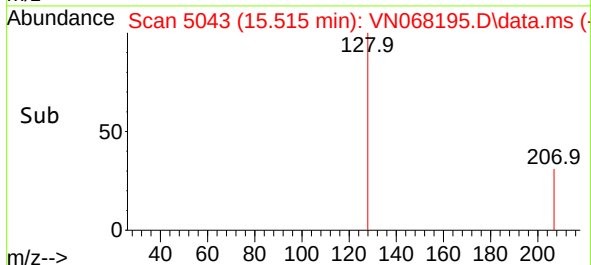
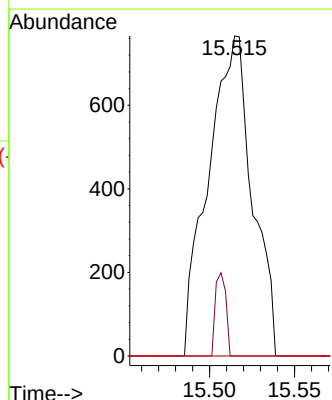
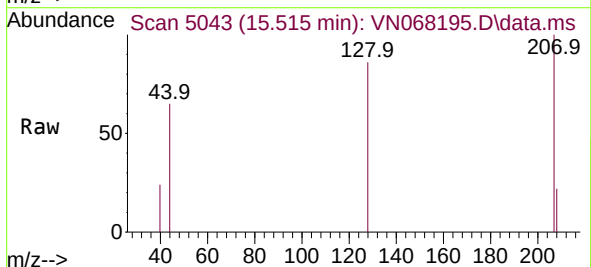
Instrument :
 MSVOA_N
 ClientSampled :

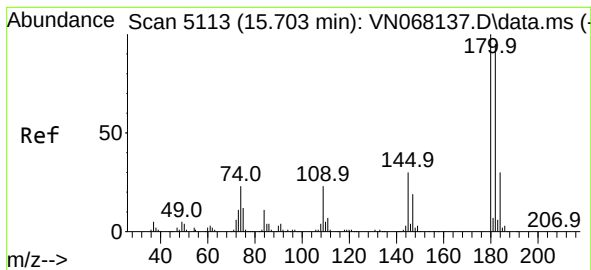
Tgt Ion:180	Resp:	200
Ion Ratio	Lower	Upper
180	100	
182	86.0	47.5 142.5
145	0.0	17.2 51.6#



#95
 Naphthalene
 Concen: 3.471 ug/l
 RT: 15.515 min Scan# 5043
 Delta R.T. 0.008 min
 Lab File: VN068195.D
 Acq: 18 Aug 2021 16:00

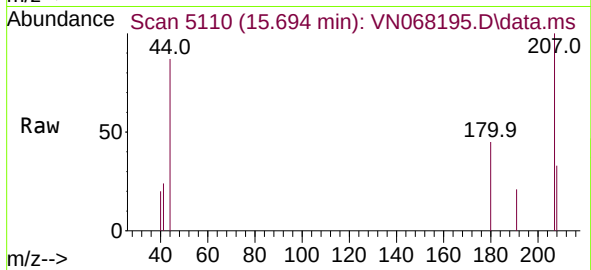
Tgt Ion:128	Resp:	1379
Ion Ratio	Lower	Upper
128	100	
127	6.2	10.6 15.8#
129	0.0	8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.864 ug/l
 RT: 15.694 min Scan# 5110
 Delta R.T. -0.009 min
 Lab File: VN068195.D
 Acq: 18 Aug 2021 16:00

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 143
 Ion Ratio Lower Upper
 180 100
 182 196.5 47.8 143.3#
 145 0.0 18.2 54.6#

