

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081821\
 Data File : VN068200.D
 Acq On : 18 Aug 2021 18:04
 Operator : JC/MD
 Sample : M3449-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP4

Quant Time: Aug 19 03:07:54 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)

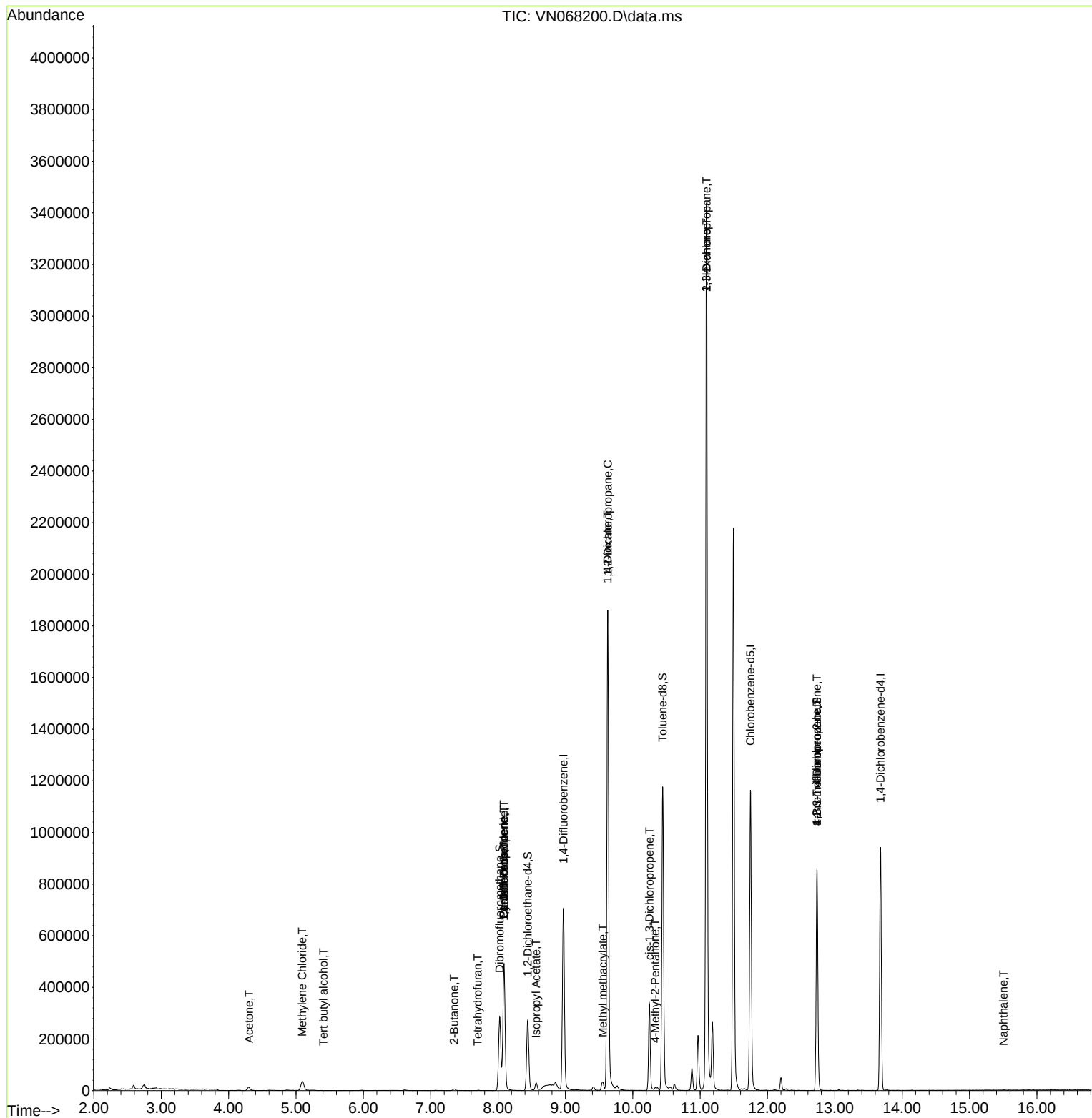
Internal Standards						
1) Pentafluorobenzene	8.088	168	401457	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	684173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	749934	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	282015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	231016	53.894	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 107.780%		
35) Dibromofluoromethane	8.024	113	211378	49.210	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 98.420%		
50) Toluene-d8	10.443	98	867921	53.029	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 106.060%		
62) 4-Bromofluorobenzene	12.734	95	287991	52.857	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 105.720%		
Target Compounds						Qvalue
5) Bromomethane	2.832	94	118	Below Cal	#	4
6) Chloroethane	2.974	64	167	Below Cal	#	44
11) Tert butyl alcohol	5.409	59	116	0.217	ug/l #	71
13) Acrolein	4.033	56	181	Below Cal	#	55
16) Acetone	4.301	43	23124	18.477	ug/l #	89
18) Methyl Acetate	4.873	43	3442	Below Cal	#	71
20) Methylene Chloride	5.093	84	31879	7.395	ug/l #	80
25) 2-Butanone	7.348	43	9454	4.847	ug/l #	86
29) Tetrahydrofuran	7.697	42	394	0.316	ug/l #	83
31) Cyclohexane	8.088	56	7089	1.256	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	26676	4.770	ug/l #	53
38) Carbon Tetrachloride	8.088	117	38006	5.892	ug/l #	17
43) Isopropyl Acetate	8.566	43	32845	4.303	ug/l #	91
45) 1,2-Dichloropropane	9.631	63	2231	0.556	ug/l #	44
48) Methyl methacrylate	9.555	41	8312	2.613	ug/l #	12
49) 1,4-Dioxane	9.625	88	346	4.501	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	4159	0.887	ug/l #	51
54) cis-1,3-Dichloropropene	10.247	75	65748	10.151	ug/l #	57
57) 1,3-Dichloropropane	11.095	76	39594	5.528	ug/l #	43
59) 2-Hexanone	11.095	43	482178	148.117	ug/l #	57
76) 1,2,3-Trichloropropane	12.734	75	146500	31.254	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	146500	102.394	ug/l #	6
95) Naphthalene	15.504	128	418	3.380	ug/l #	69

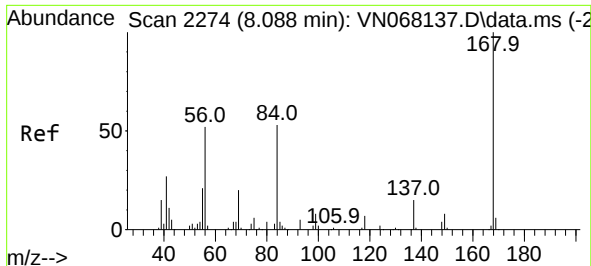
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

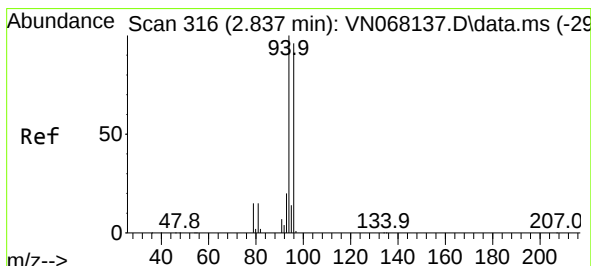
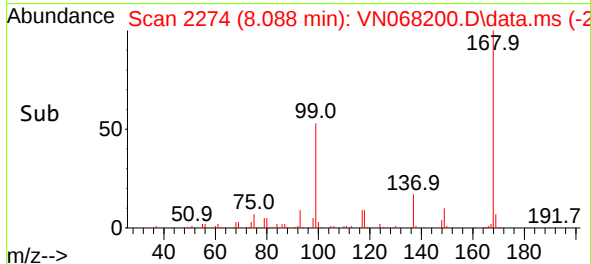
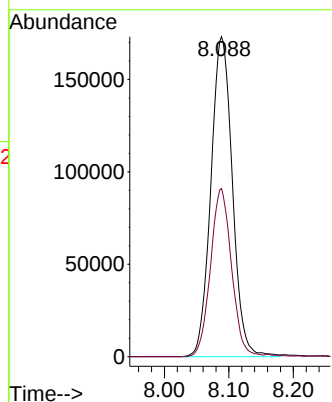
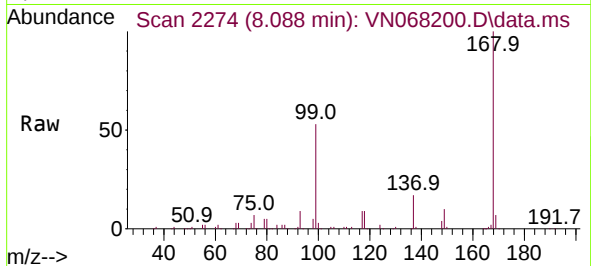




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

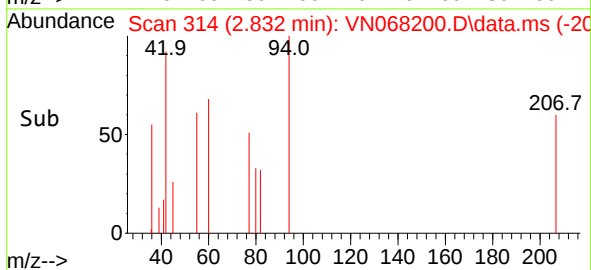
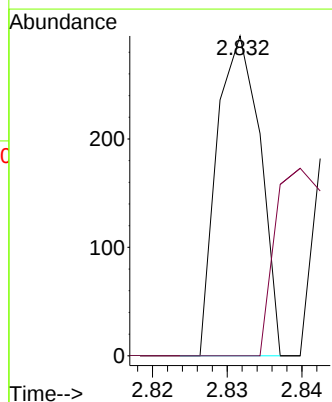
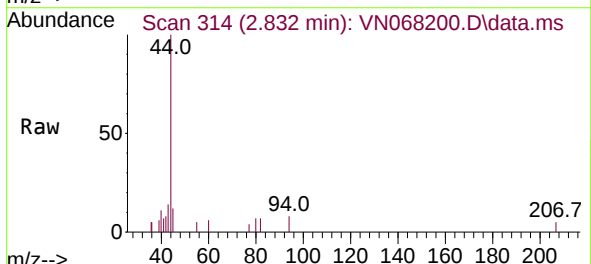
Instrument :
MSVOA_N
ClientSampled :
TP4

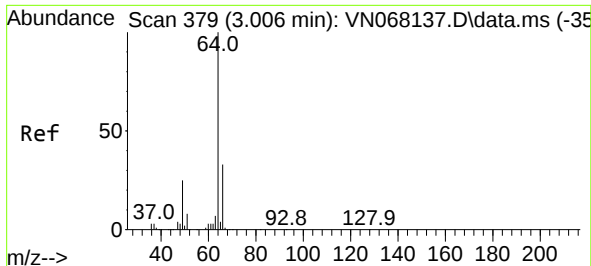
Tgt Ion:168 Resp: 401457
Ion Ratio Lower Upper
168 100
99 52.6 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.832 min Scan# 314
Delta R.T. -0.005 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

Tgt Ion: 94 Resp: 118
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

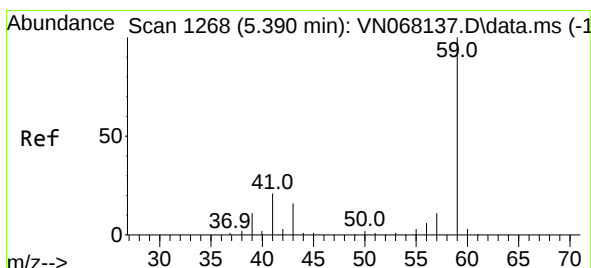
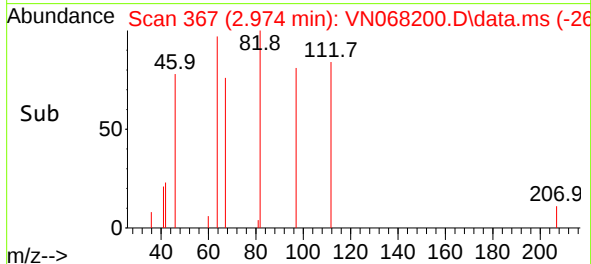
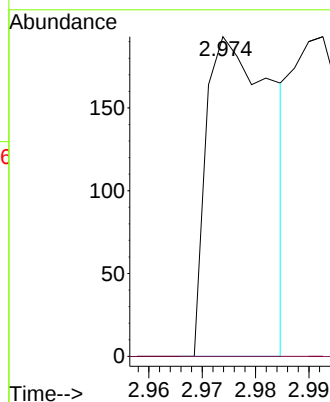
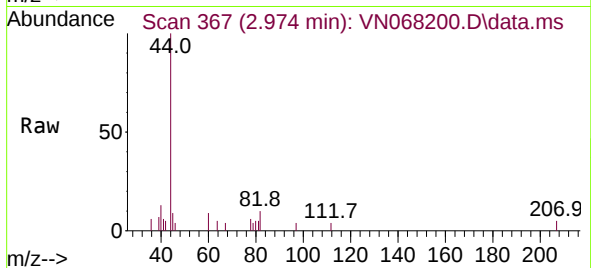




#6
Chloroethane
Concen: Below Cal
RT: 2.974 min Scan# 367
Delta R.T. -0.032 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

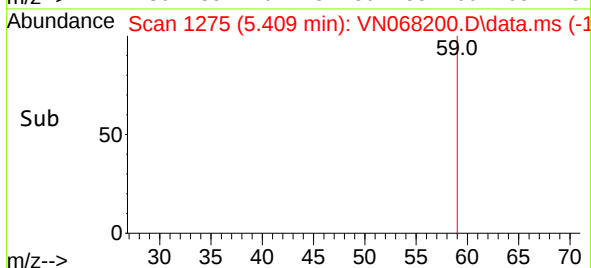
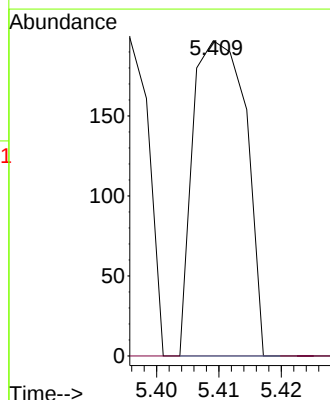
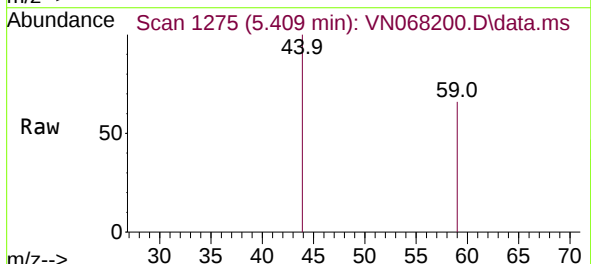
Instrument :
MSVOA_N
ClientSampled :
TP4

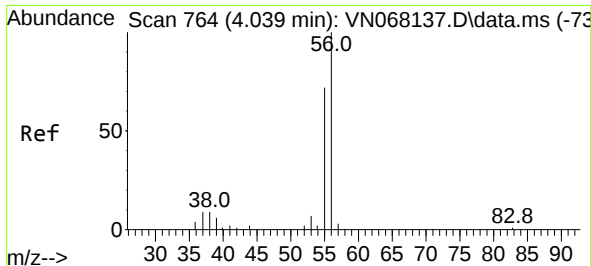
Tgt Ion: 64 Resp: 167
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.217 ug/l
RT: 5.409 min Scan# 1275
Delta R.T. 0.019 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

Tgt Ion: 59 Resp: 116
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

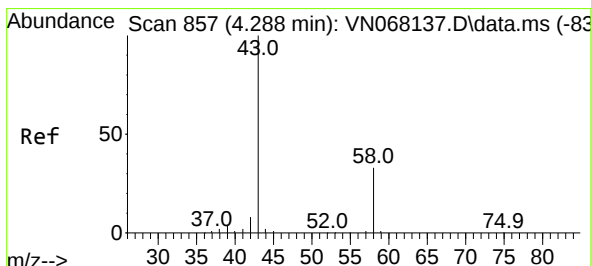
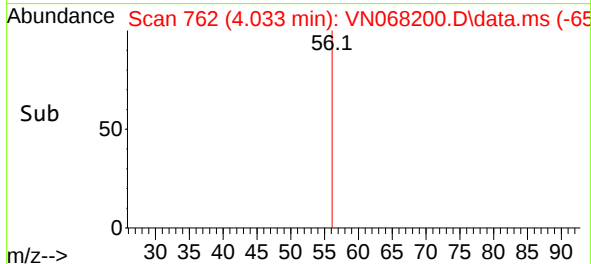
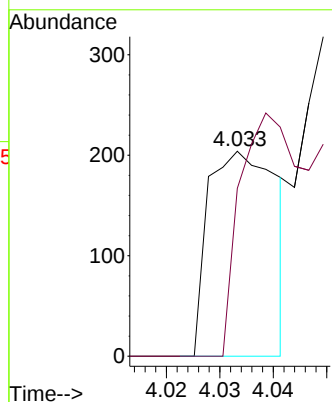
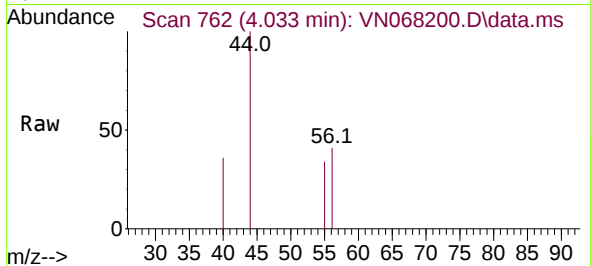




#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

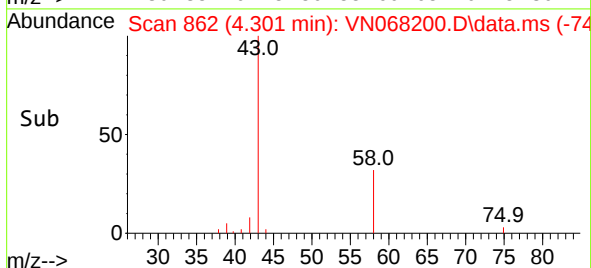
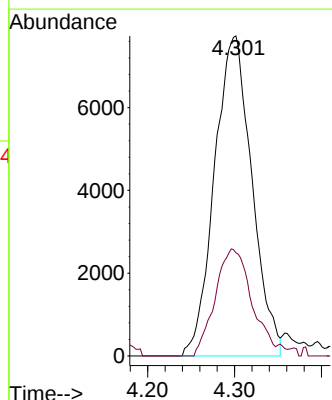
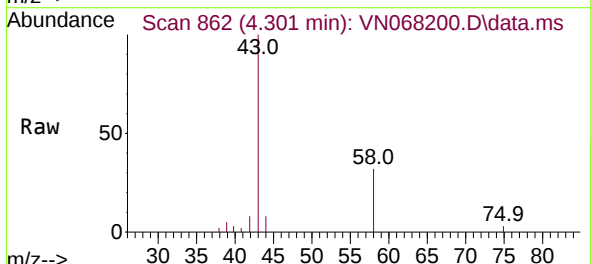
Instrument :
MSVOA_N
ClientSampled :
TP4

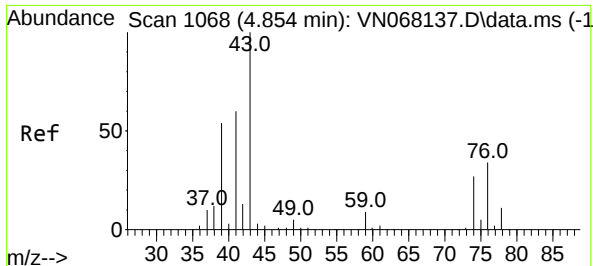
Tgt Ion: 56 Resp: 181
Ion Ratio Lower Upper
56 100
55 108.8 57.4 86.0#



#16
Acetone
Concen: 18.477 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

Tgt Ion: 43 Resp: 23124
Ion Ratio Lower Upper
43 100
58 32.3 21.2 31.8#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.873 min Scan# 1075

Delta R.T. 0.019 min

Lab File: VN068200.D

Acq: 18 Aug 2021 18:04

Instrument :

MSVOA_N

ClientSampled :

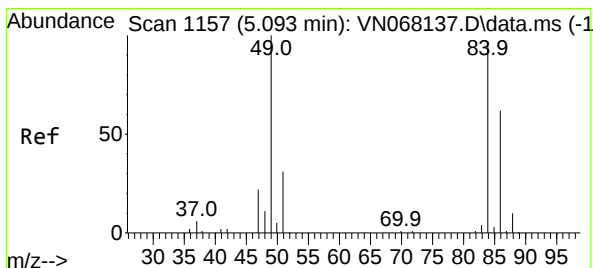
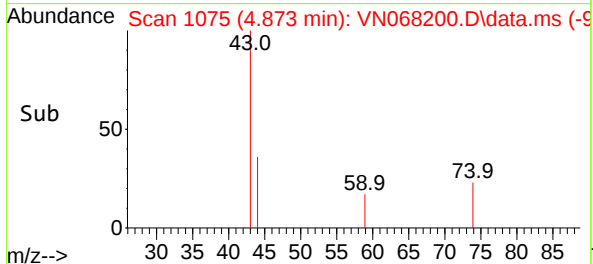
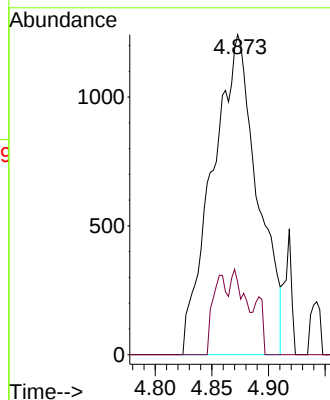
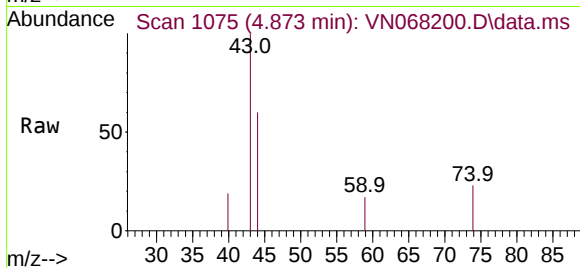
TP4

Tgt Ion: 43 Resp: 3442

Ion Ratio Lower Upper

43 100

74 8.1 17.4 26.0#



#20

Methylene Chloride

Concen: 7.395 ug/l

RT: 5.093 min Scan# 1157

Delta R.T. -0.000 min

Lab File: VN068200.D

Acq: 18 Aug 2021 18:04

Tgt Ion: 84 Resp: 31879

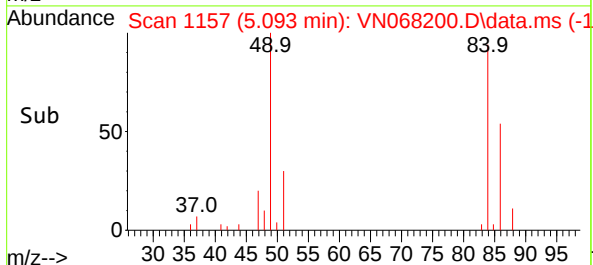
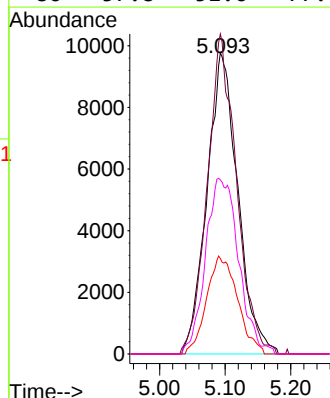
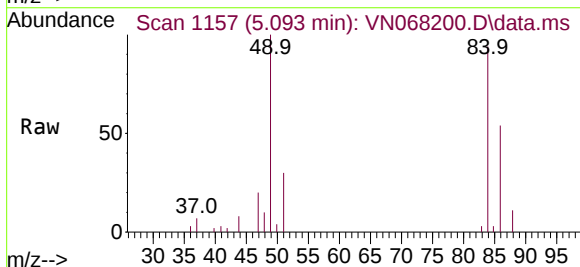
Ion Ratio Lower Upper

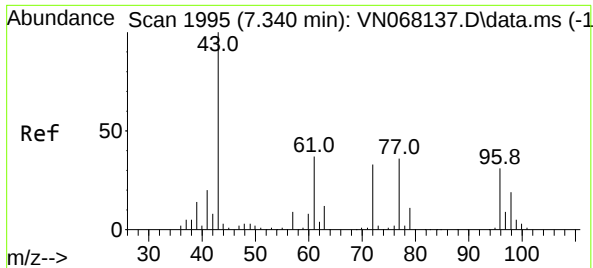
84 100

49 106.3 110.9 166.3#

51 31.8 32.6 49.0#

86 57.8 51.6 77.4

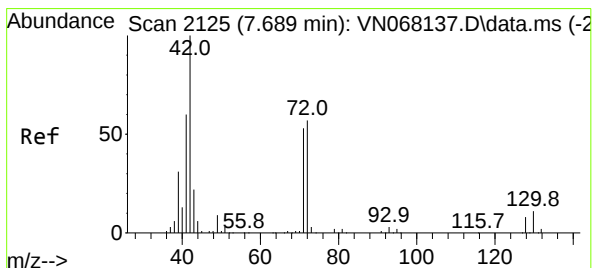
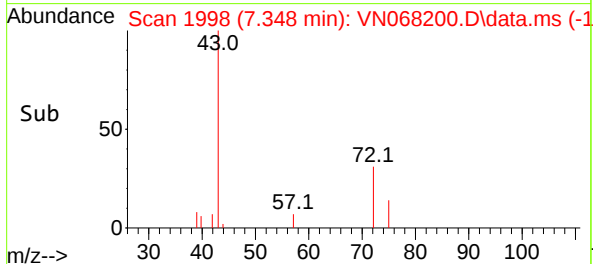
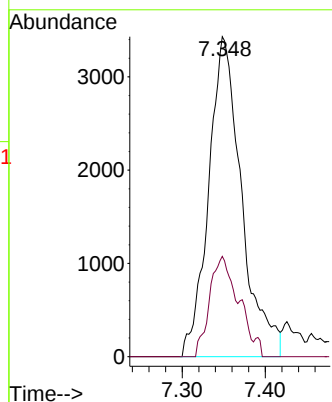
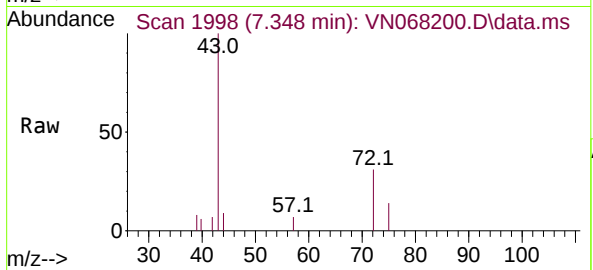




#25
2-Butanone
Concen: 4.847 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.008 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

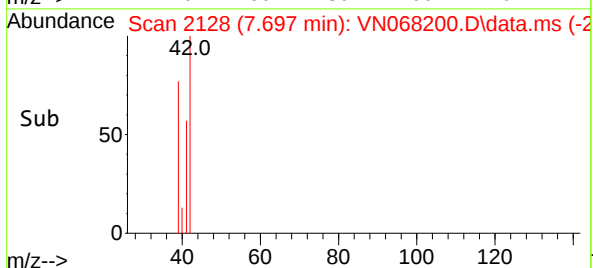
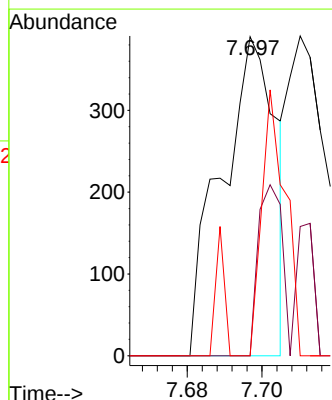
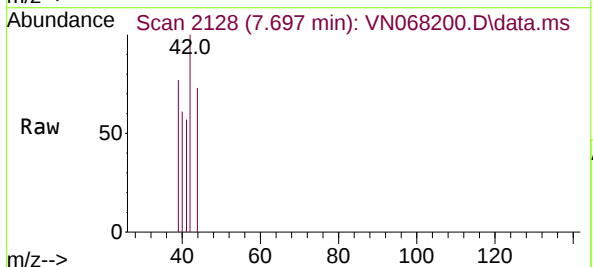
Instrument :
MSVOA_N
ClientSampled :
TP4

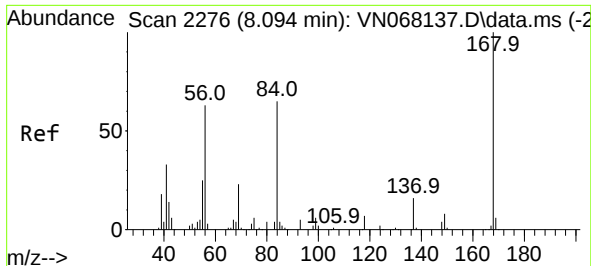
Tgt Ion: 43 Resp: 9454
Ion Ratio Lower Upper
43 100
72 31.4 19.7 29.5#



#29
Tetrahydrofuran
Concen: 0.316 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.008 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

Tgt Ion: 42 Resp: 394
Ion Ratio Lower Upper
42 100
72 23.4 32.8 49.2#
71 35.8 31.2 46.8

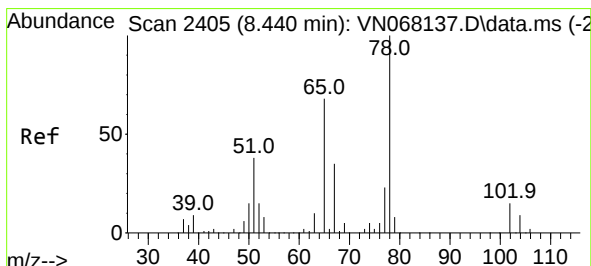
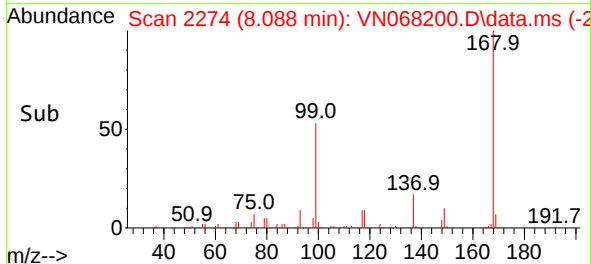
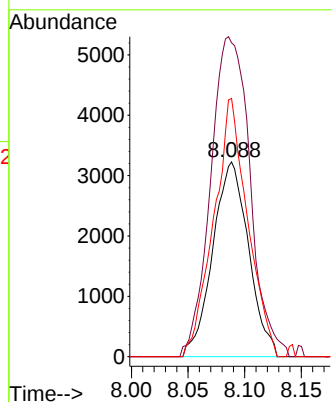
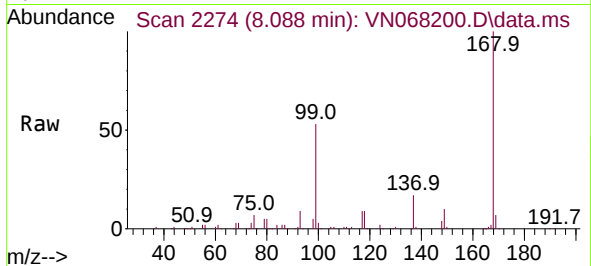




#31
Cyclohexane
Concen: 1.256 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

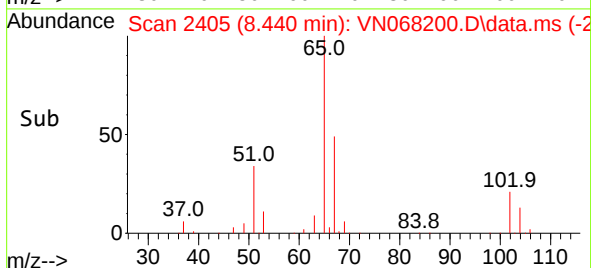
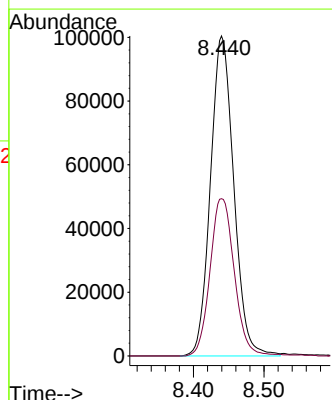
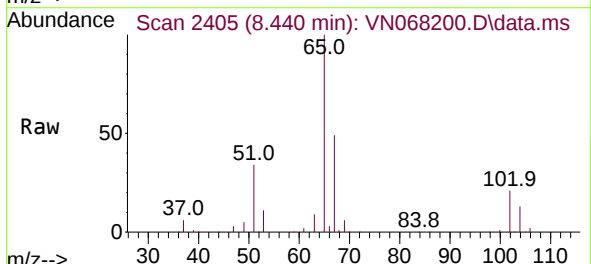
Instrument :
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ClientSampled :
TP4

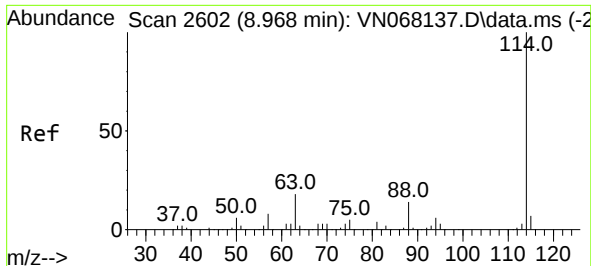
Tgt Ion: 56 Resp: 7089
Ion Ratio Lower Upper
56 100
69 161.3 27.3 40.9#
84 132.7 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.894 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

Tgt Ion: 65 Resp: 231016
Ion Ratio Lower Upper
65 100
67 51.3 0.0 98.6

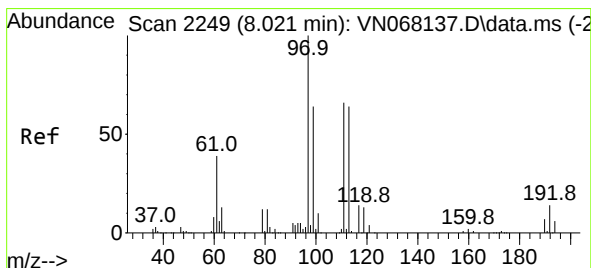
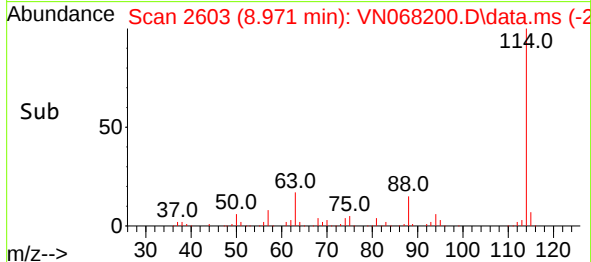
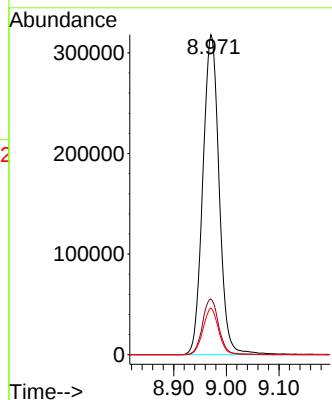
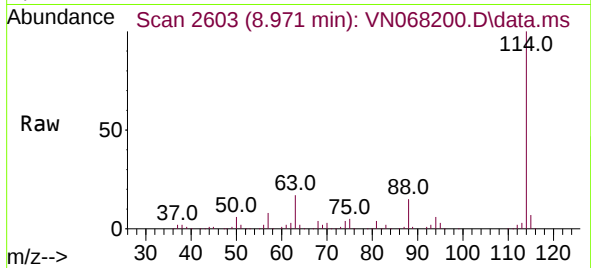




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

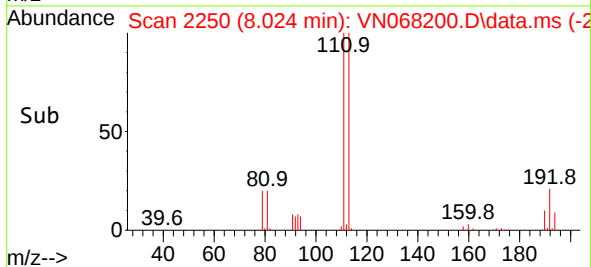
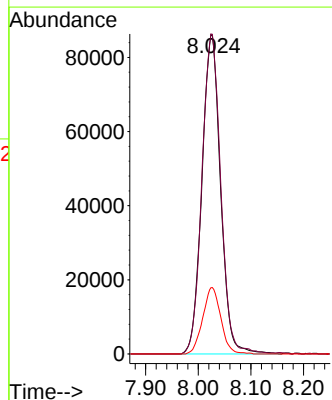
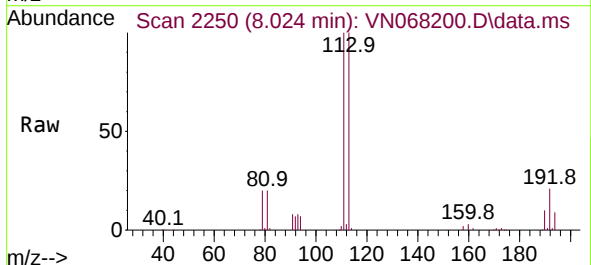
Instrument :
MSVOA_N
ClientSampled :
TP4

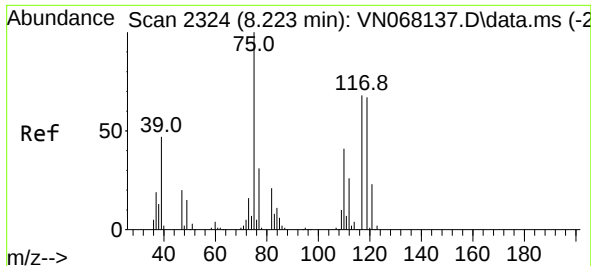
Tgt Ion:114 Resp: 684173
Ion Ratio Lower Upper
114 100
63 17.4 0.0 49.0
88 14.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.210 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

Tgt Ion:113 Resp: 211378
Ion Ratio Lower Upper
113 100
111 101.2 83.8 125.8
192 20.2 13.4 20.0#

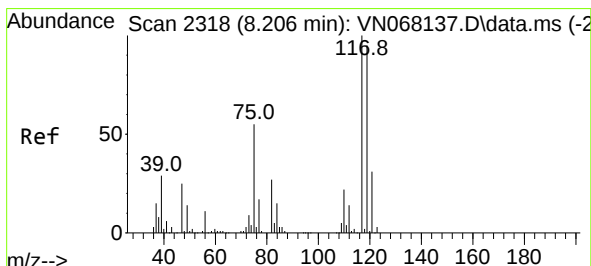
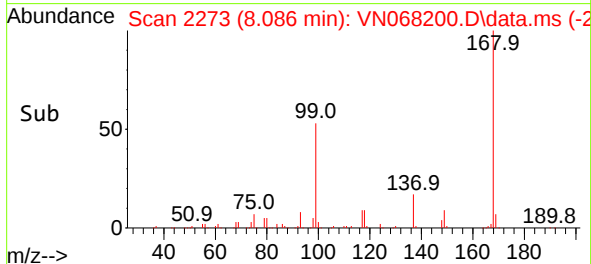
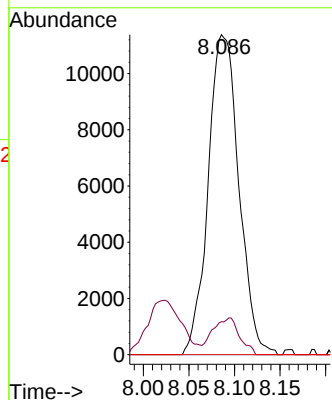
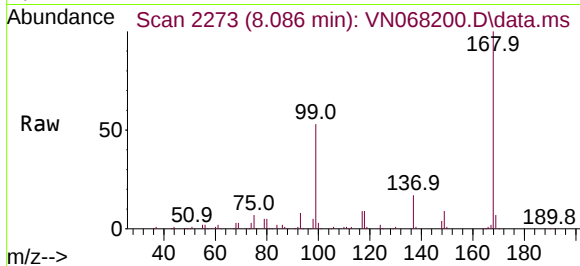




#36
1,1-Dichloropropene
Concen: 4.770 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

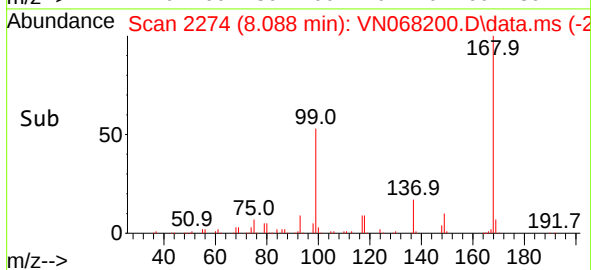
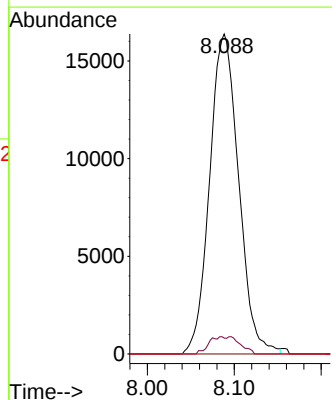
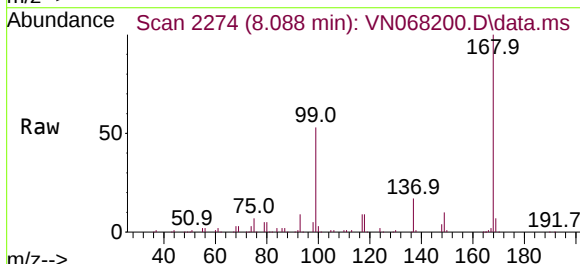
Instrument :
MSVOA_N
ClientSampled :
TP4

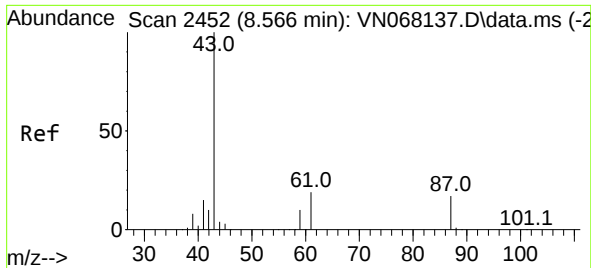
Tgt Ion: 75 Resp: 26676
Ion Ratio Lower Upper
75 100
110 10.1 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.892 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

Tgt Ion: 117 Resp: 38006
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 23.5 35.3#

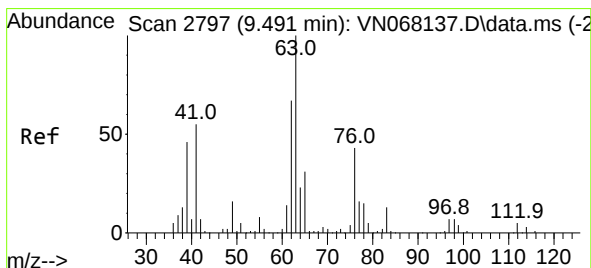
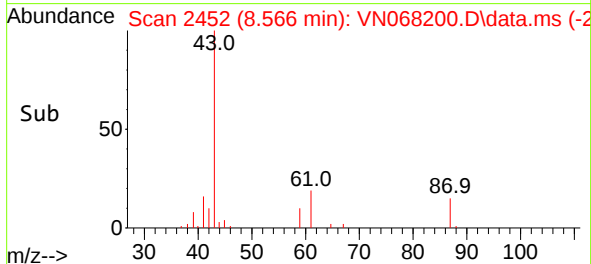
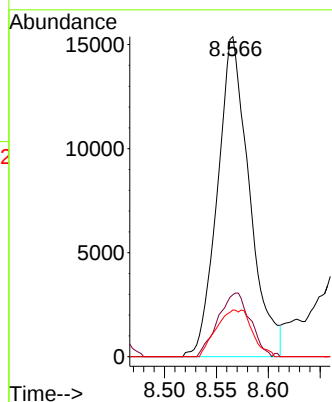
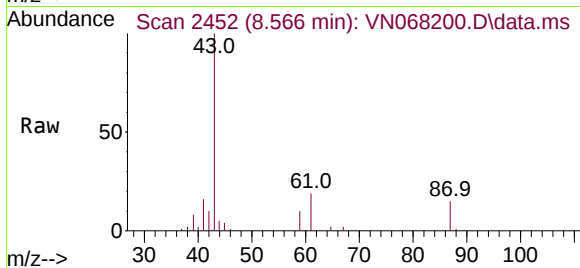




#43
Isopropyl Acetate
Concen: 4.303 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

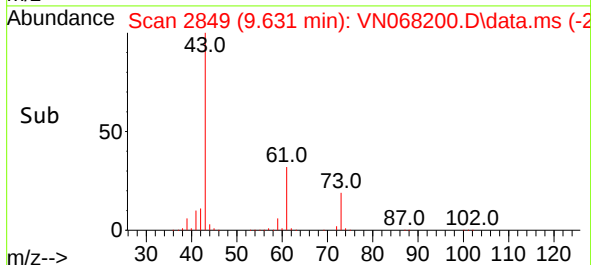
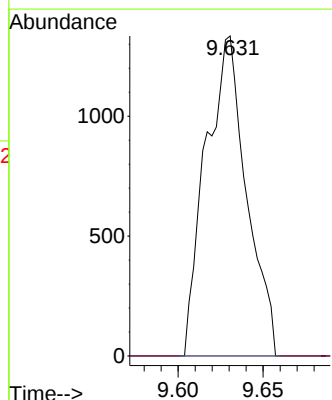
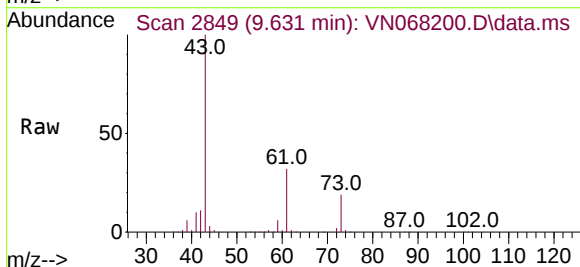
Instrument :
MSVOA_N
ClientSampled :
TP4

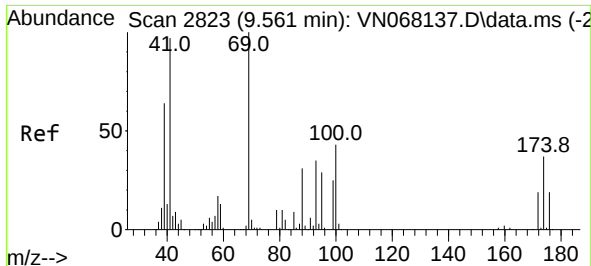
Tgt Ion:	43	Resp:	32845
Ion	Ratio	Lower	Upper
43	100		
61	20.2	19.0	28.4
87	16.3	9.5	14.3



#45
1,2-Dichloropropane
Concen: 0.556 ug/l
RT: 9.631 min Scan# 2849
Delta R.T. 0.140 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

Tgt Ion:	63	Resp:	2231
Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.3	36.5

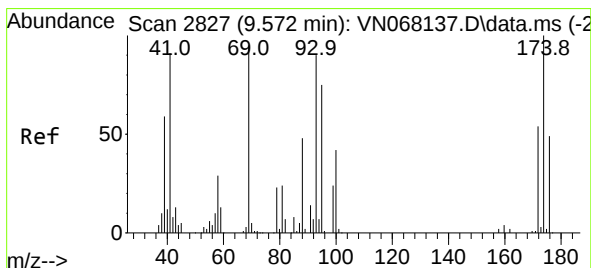
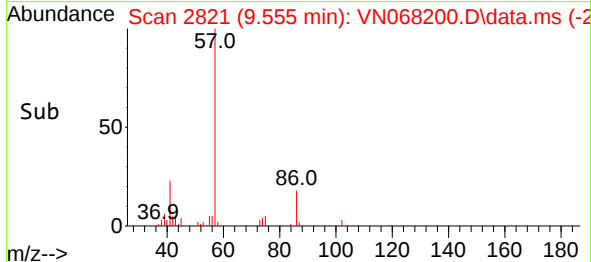
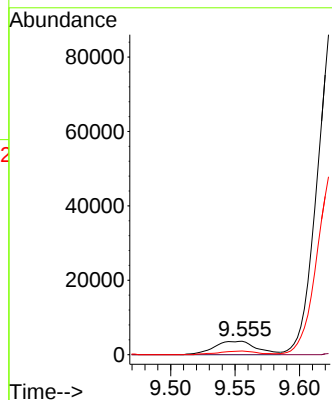
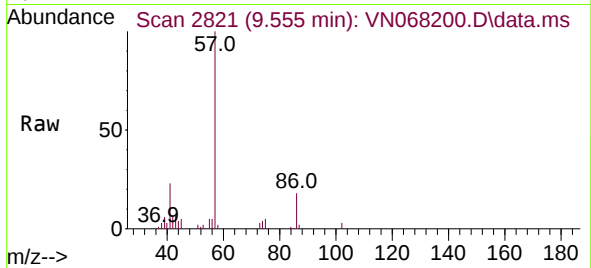




#48
Methyl methacrylate
Concen: 2.613 ug/l
RT: 9.555 min Scan# 2821
Delta R.T. -0.006 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

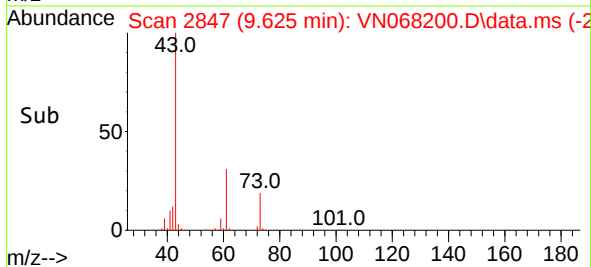
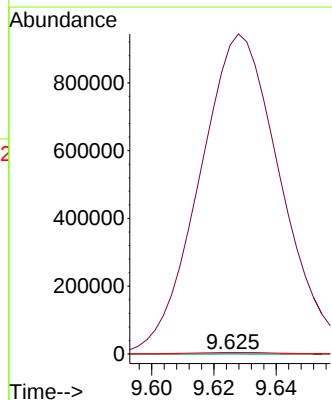
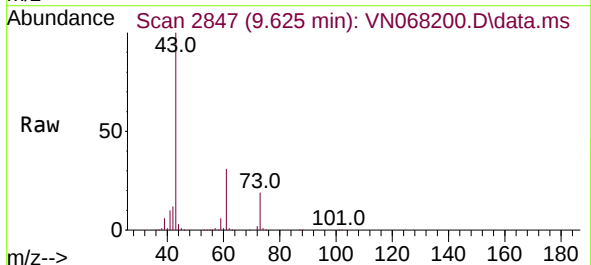
Instrument :
MSVOA_N
ClientSampled :
TP4

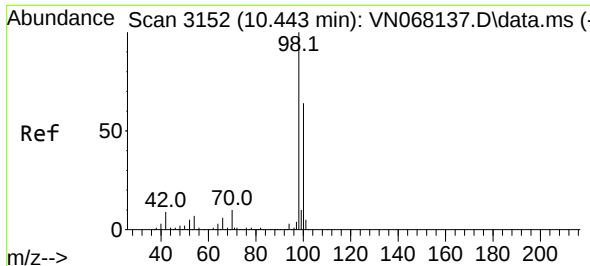
Tgt Ion: 41 Resp: 8312
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 4.501 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.053 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

Tgt Ion: 88 Resp: 346
Ion Ratio Lower Upper
88 100
43 511959.0 28.8 43.2#
58 2756.4 60.4 90.6#

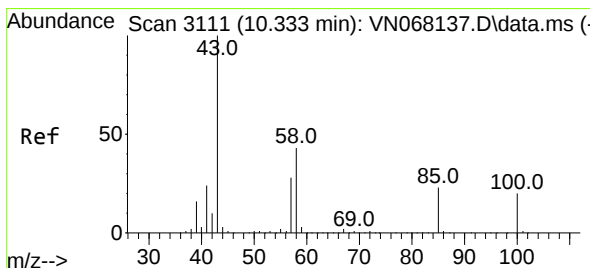
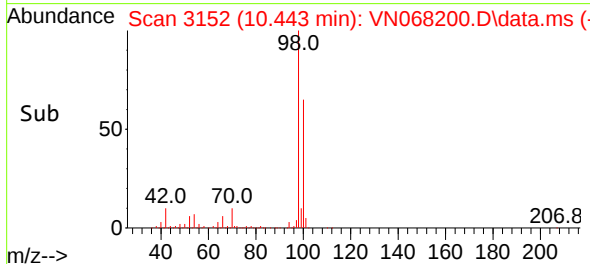
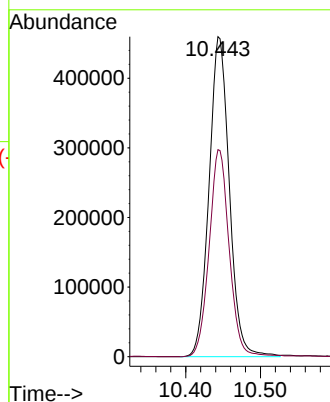
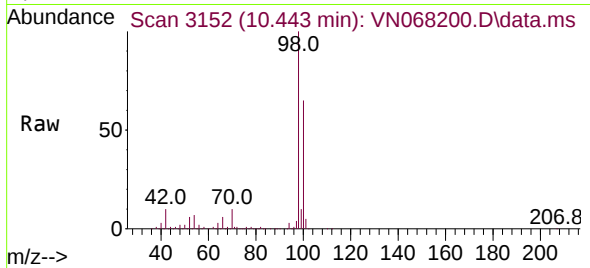




#50
Toluene-d8
Concen: 53.029 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

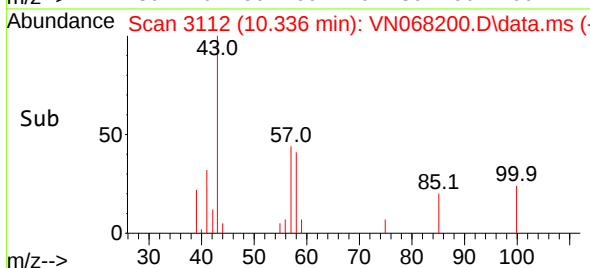
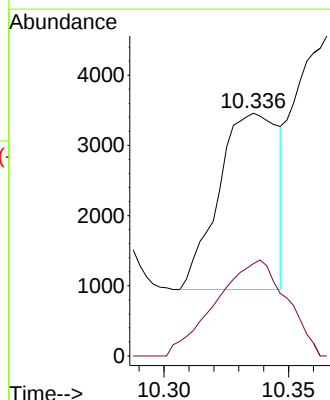
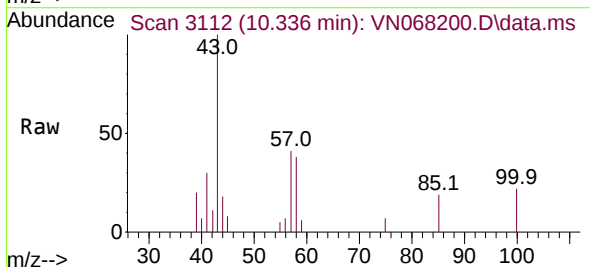
Instrument :
MSVOA_N
ClientSampled :
TP4

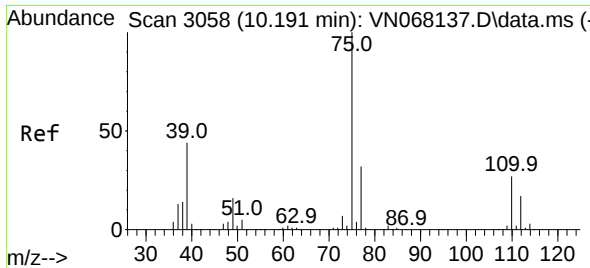
Tgt Ion: 98 Resp: 867921
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.887 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

Tgt Ion: 43 Resp: 4159
Ion Ratio Lower Upper
43 100
58 64.5 28.6 43.0#

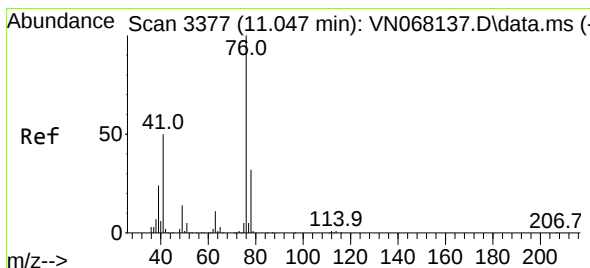
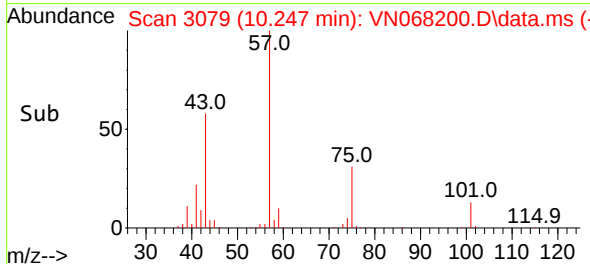
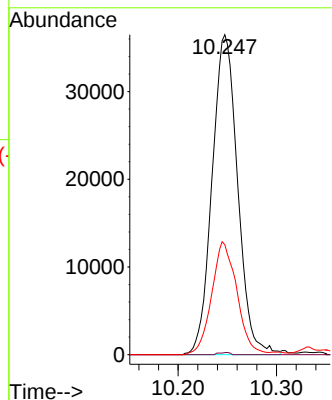
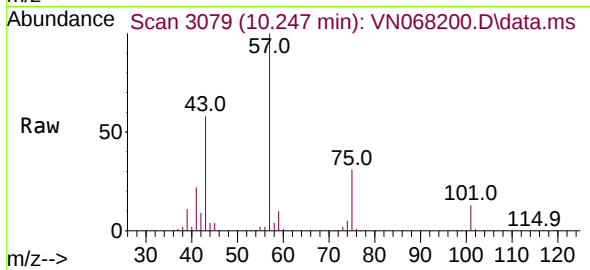




#54
cis-1,3-Dichloropropene
Concen: 10.151 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

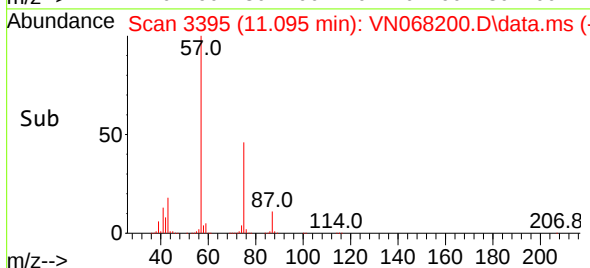
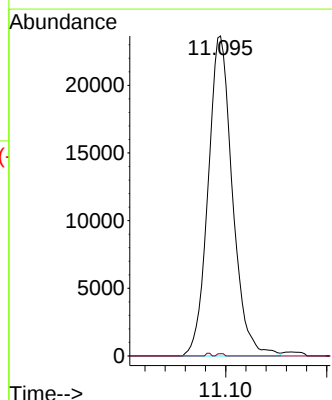
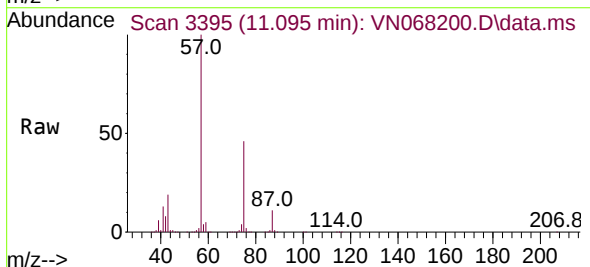
Instrument :
MSVOA_N
ClientSampled :
TP4

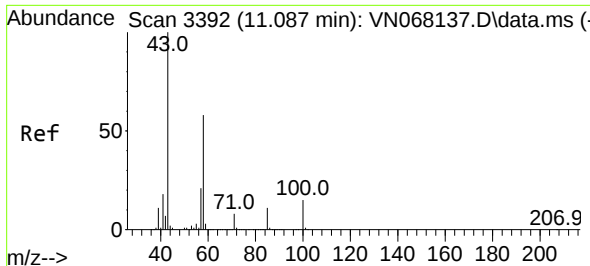
Tgt Ion: 75 Resp: 65748
Ion Ratio Lower Upper
75 100
77 0.7 24.6 37.0#
39 34.3 50.7 76.1#



#57
1,3-Dichloropropane
Concen: 5.528 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

Tgt Ion: 76 Resp: 39594
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

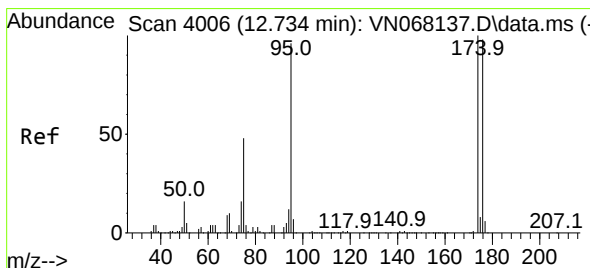
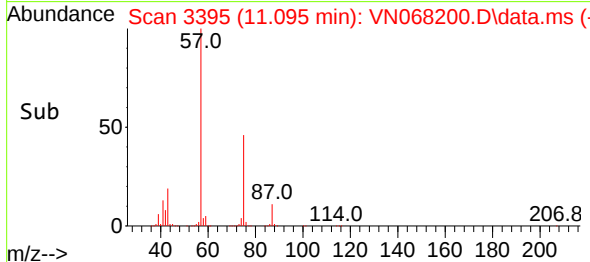
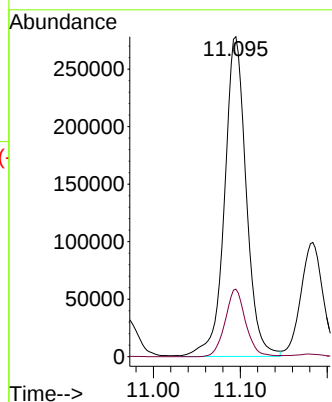
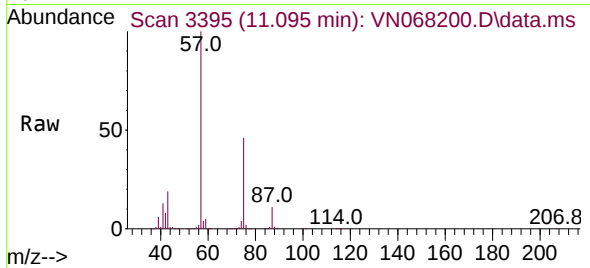




#59
2-Hexanone
Concen: 148.117 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

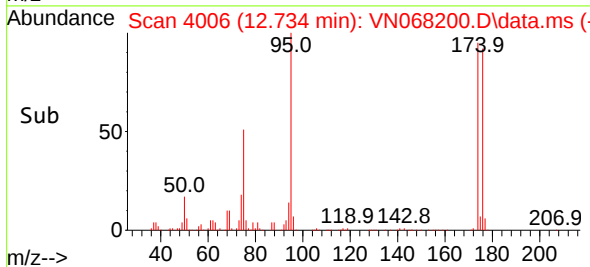
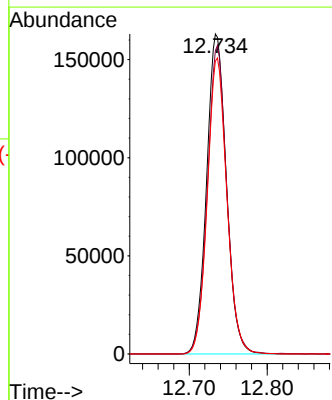
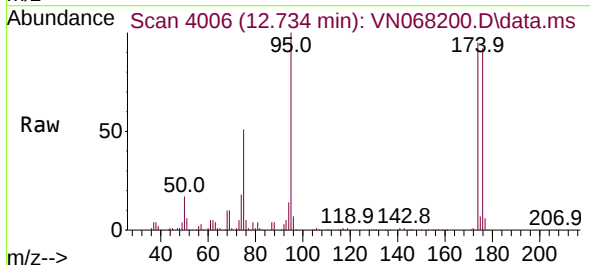
Instrument :
MSVOA_N
ClientSampled :
TP4

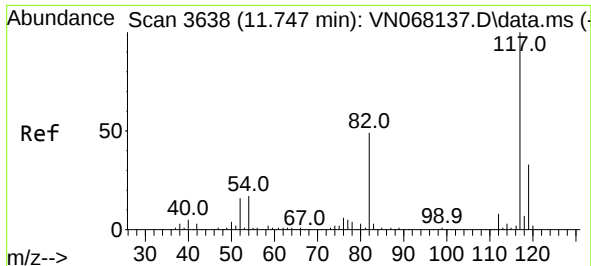
Tgt Ion: 43 Resp: 482178
Ion Ratio Lower Upper
43 100
58 20.1 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 52.857 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

Tgt Ion: 95 Resp: 287991
Ion Ratio Lower Upper
95 100
174 94.8 0.0 122.0
176 91.2 0.0 117.6

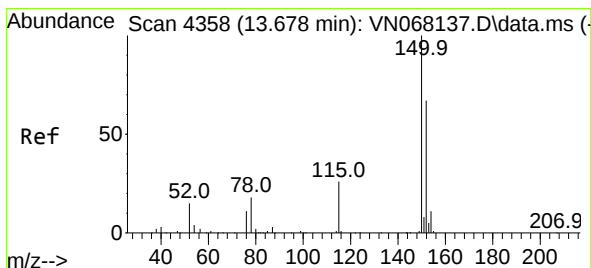
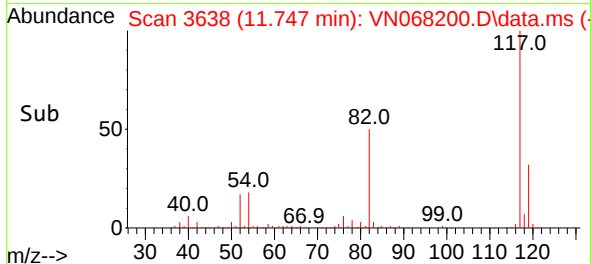
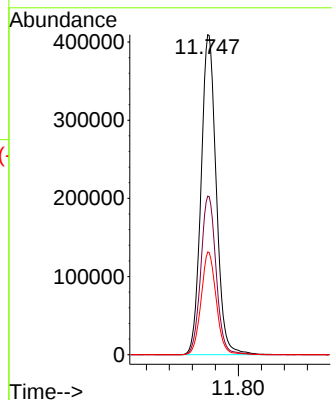
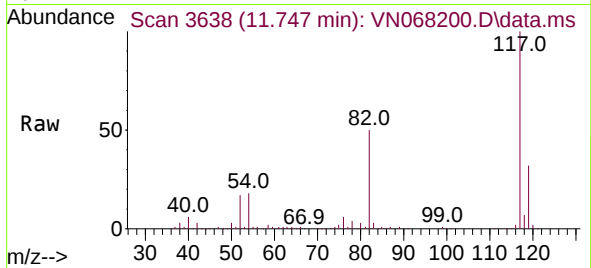




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

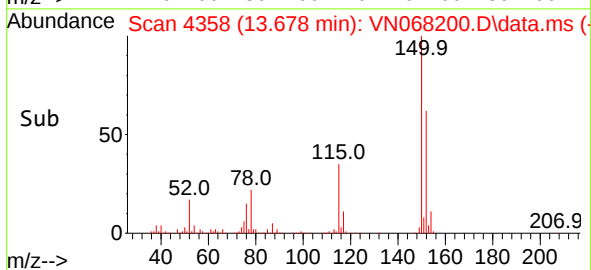
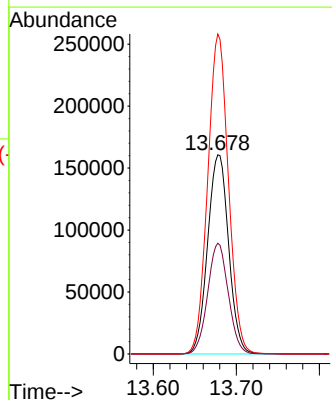
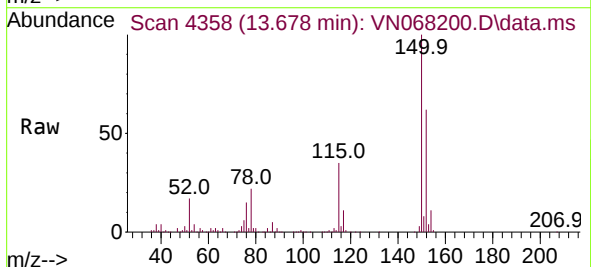
Instrument :
MSVOA_N
ClientSampled :
TP4

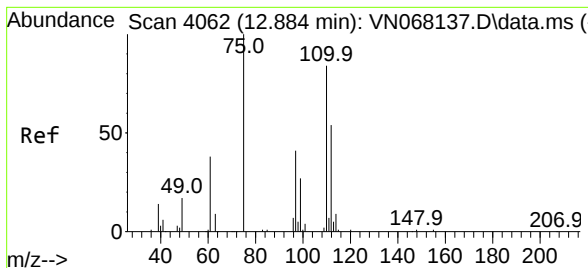
Tgt Ion:117 Resp: 749934
Ion Ratio Lower Upper
117 100
82 49.6 53.1 79.7#
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

Tgt Ion:152 Resp: 282015
Ion Ratio Lower Upper
152 100
115 54.6 36.1 108.5
150 158.1 0.0 351.8

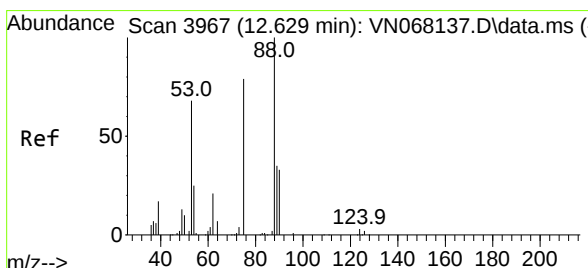
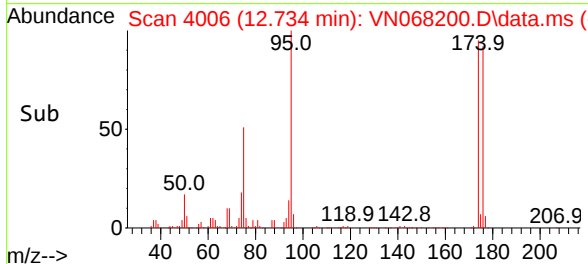
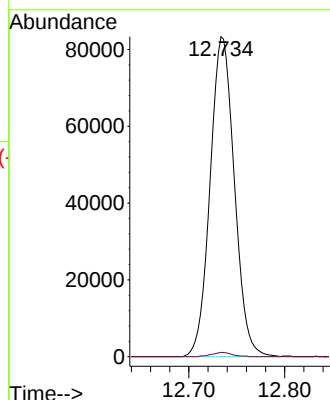
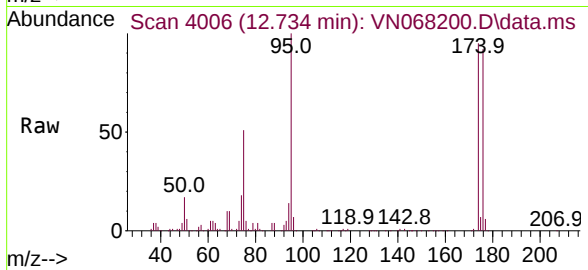




#76
1,2,3-Trichloropropane
Concen: 31.254 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

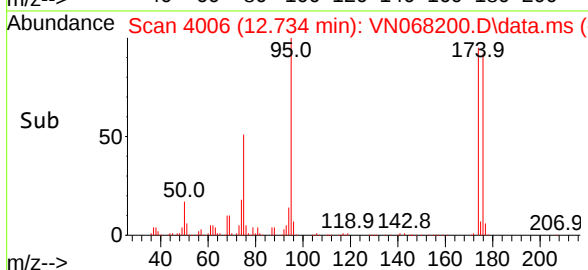
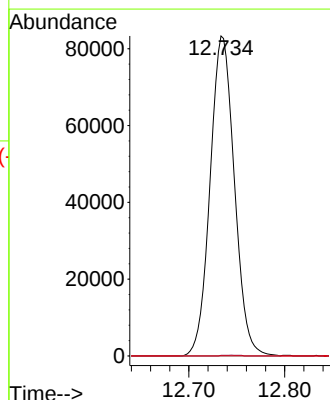
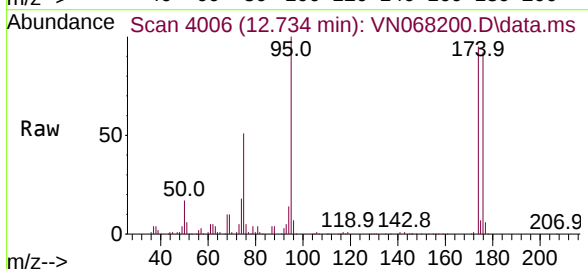
Instrument :
MSVOA_N
ClientSampled :
TP4

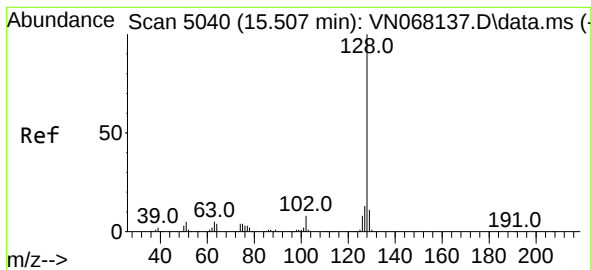
Tgt Ion: 75 Resp: 146500
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.394 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

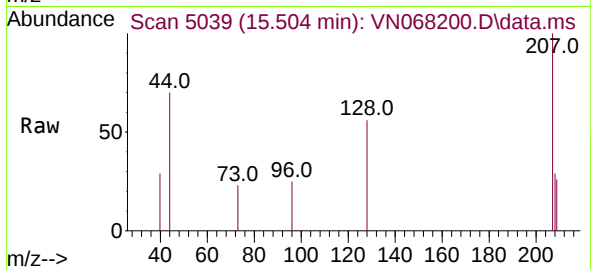
Tgt Ion: 75 Resp: 146500
Ion Ratio Lower Upper
75 100
53 0.2 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.380 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN068200.D
Acq: 18 Aug 2021 18:04

Instrument :
MSVOA_N
ClientSampleId :
TP4



Tgt Ion:128 Resp: 418
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

