

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068224.D
 Acq On : 19 Aug 2021 18:18
 Operator : JC/MD
 Sample : PB138556ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138556ZHE#03

Quant Time: Aug 20 01:55:34 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)

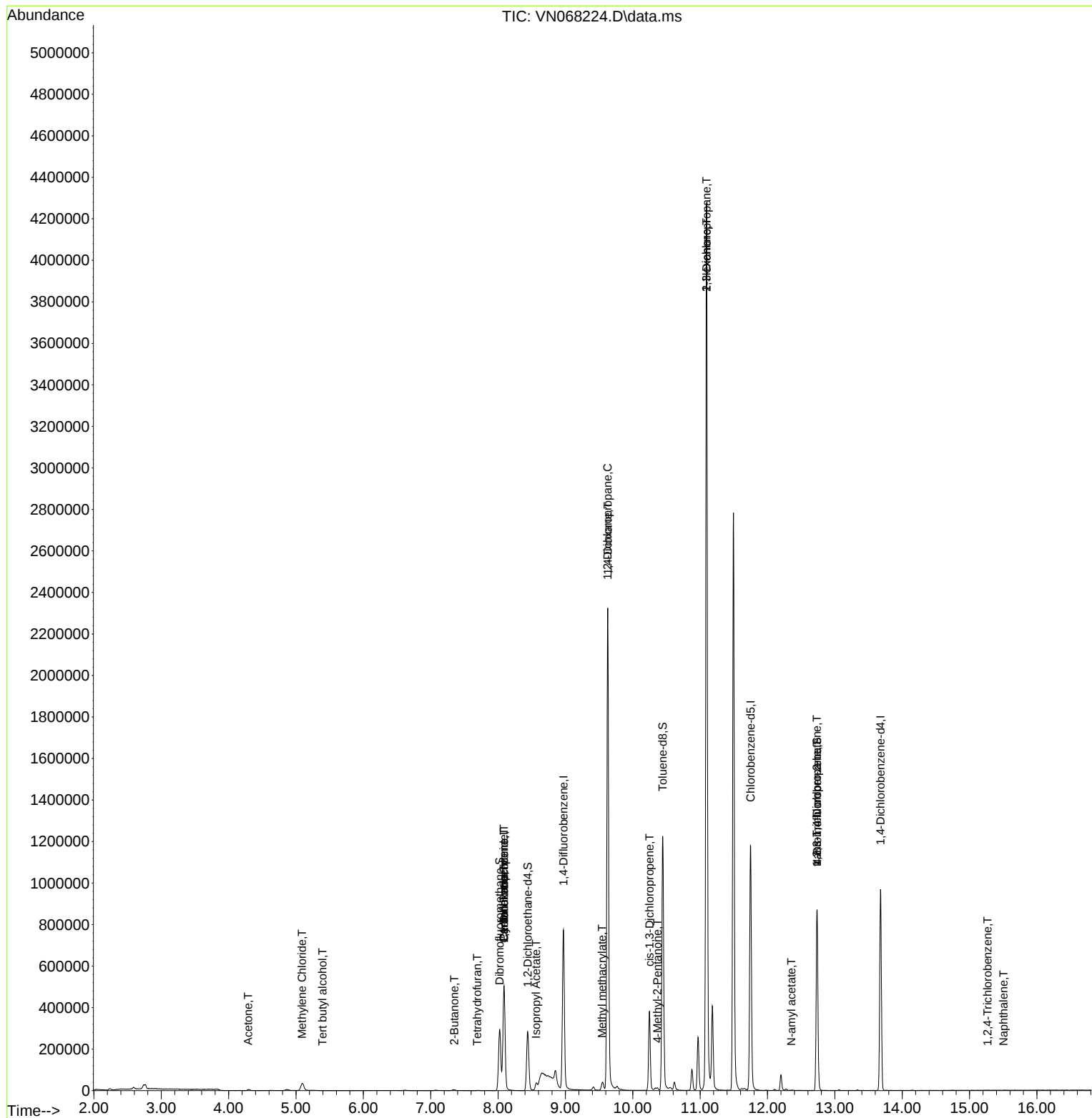
Internal Standards						
1) Pentafluorobenzene	8.088	168	415792	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	734370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	776409	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	290121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	240641	54.204	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 108.400%		
35) Dibromofluoromethane	8.024	113	215644	46.772	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 93.540%		
50) Toluene-d8	10.443	98	905319	51.533	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 103.060%		
62) 4-Bromofluorobenzene	12.736	95	298561	51.051	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 102.100%		
Target Compounds						Qvalue
5) Bromomethane	2.867	94	1115	Below Cal	#	60
6) Chloroethane	3.092	64	326	Below Cal	#	44
11) Tert butyl alcohol	5.393	59	351	0.634	ug/l #	71
13) Acrolein	4.036	56	86	Below Cal	#	52
16) Acetone	4.288	43	10382	8.010	ug/l	95
20) Methylene Chloride	5.090	84	29976	6.509	ug/l #	78
25) 2-Butanone	7.351	43	5330	2.639	ug/l	98
29) Tetrahydrofuran	7.691	42	328	0.254	ug/l #	48
31) Cyclohexane	8.088	56	7178	1.228	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	28055	4.673	ug/l #	50
38) Carbon Tetrachloride	8.086	117	38889	5.617	ug/l #	17
43) Isopropyl Acetate	8.566	43	42110	5.140	ug/l	93
45) 1,2-Dichloropropane	9.625	63	3090	0.717	ug/l #	44
48) Methyl methacrylate	9.545	41	8599	2.519	ug/l #	12
49) 1,4-Dioxane	9.630	88	330	3.999	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	7480	1.486	ug/l #	39
54) cis-1,3-Dichloropropene	10.247	75	74476	10.712	ug/l #	58
57) 1,3-Dichloropropane	11.095	76	48748	6.341	ug/l #	43
59) 2-Hexanone	11.095	43	588020	168.283	ug/l #	58
74) N-amyl acetate	12.355	43	1150	0.214	ug/l #	47
76) 1,2,3-Trichloropropane	12.733	75	150155	31.139	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	150155	102.016	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.268	180	74	2.699	ug/l #	65
95) Naphthalene	15.504	128	636	3.396	ug/l #	69

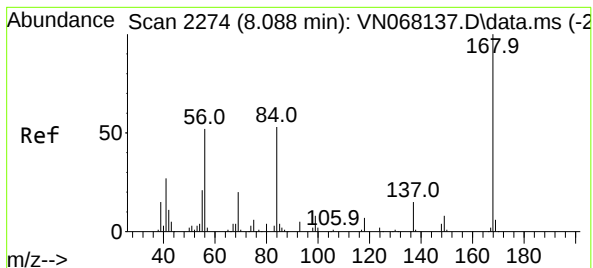
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN068224.D

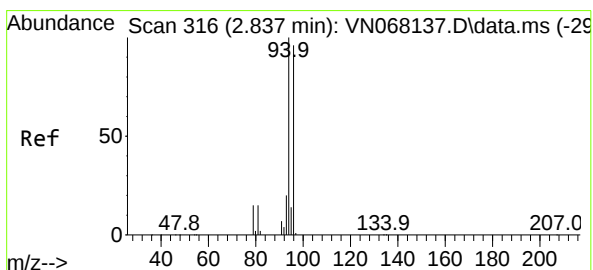
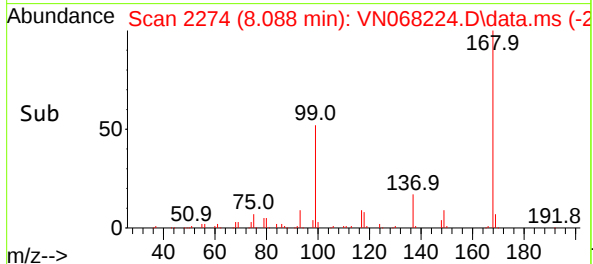
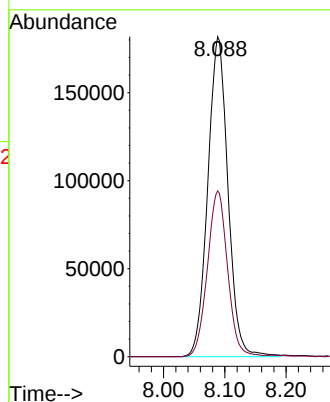
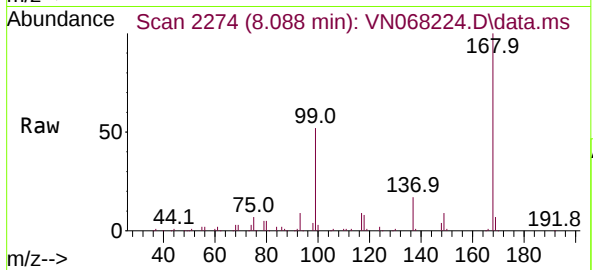
Acq: 19 Aug 2021 18:18

Tgt Ion:168 Resp: 415792

Ion Ratio Lower Upper

168 100

99 51.8 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.867 min Scan# 327

Delta R.T. 0.030 min

Lab File: VN068224.D

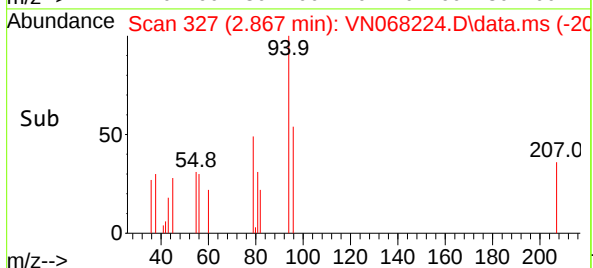
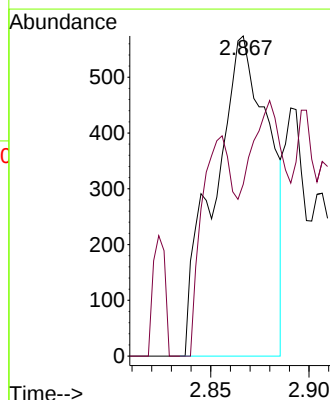
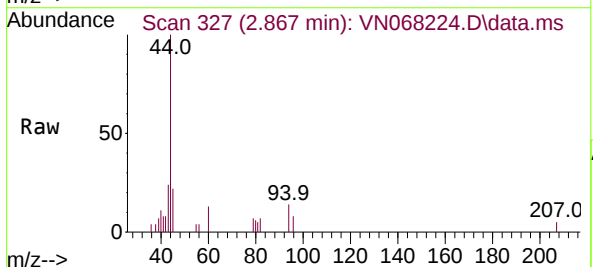
Acq: 19 Aug 2021 18:18

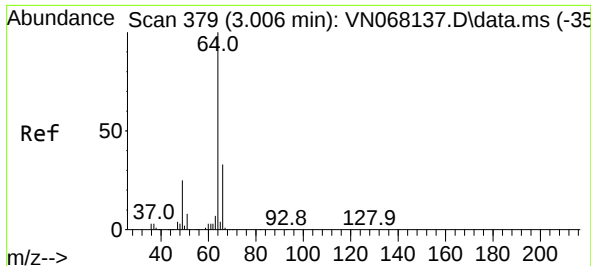
Tgt Ion: 94 Resp: 1115

Ion Ratio Lower Upper

94 100

96 53.7 73.7 110.5#

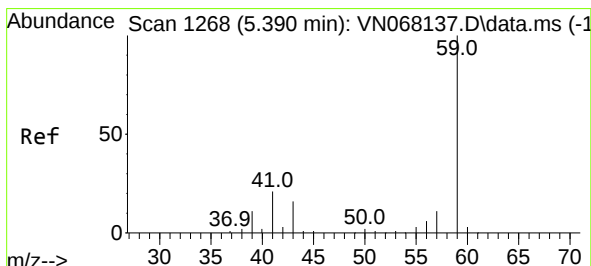
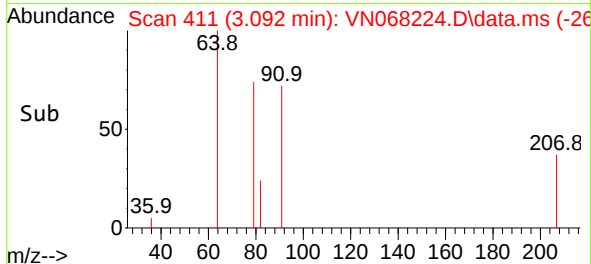
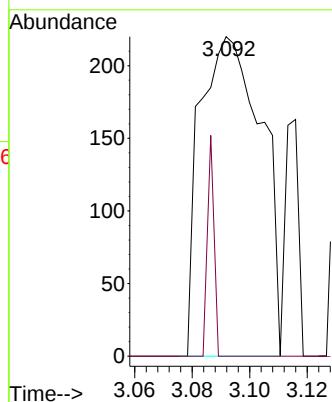
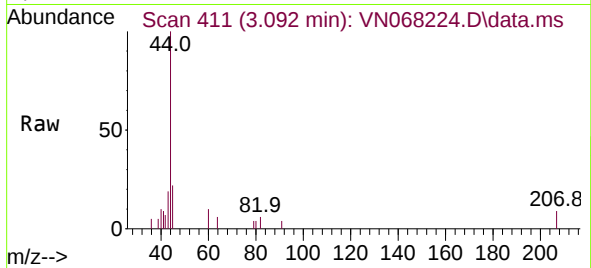




#6
Chloroethane
Concen: Below Cal
RT: 3.092 min Scan# 411
Delta R.T. 0.086 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

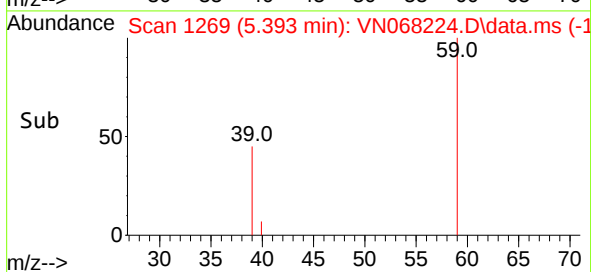
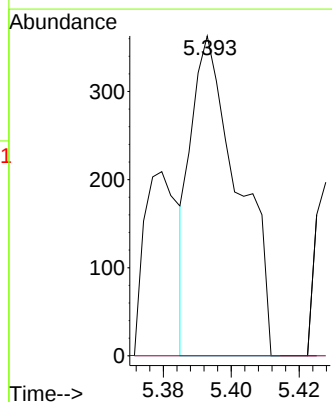
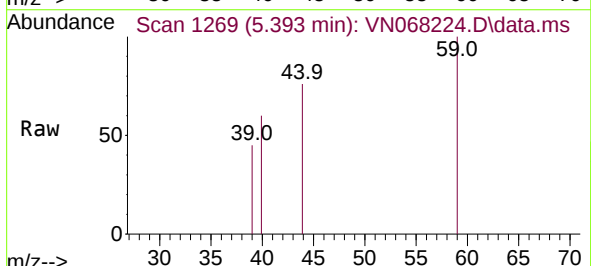
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#03

Tgt Ion: 64 Resp: 326
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.634 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.003 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

Tgt Ion: 59 Resp: 351
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

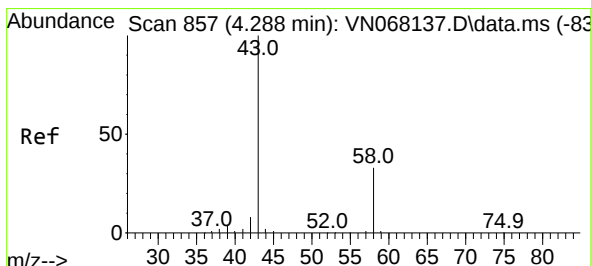
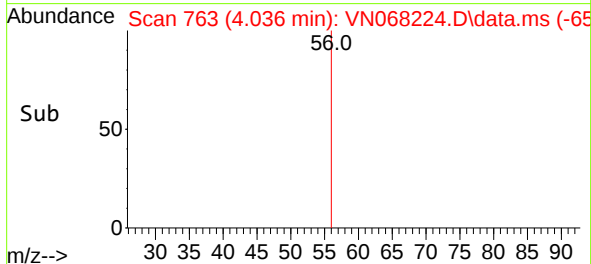
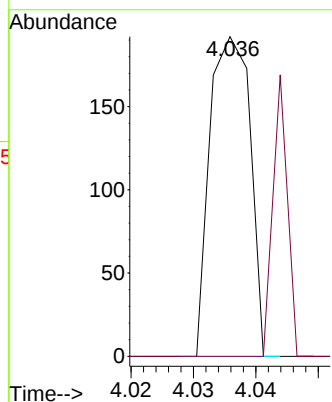
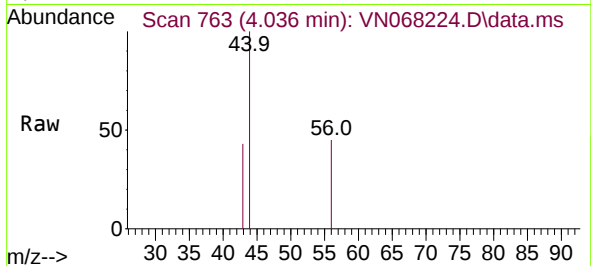




#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

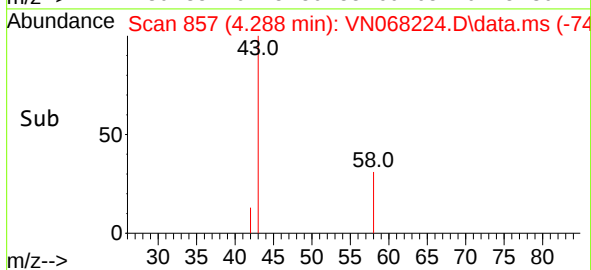
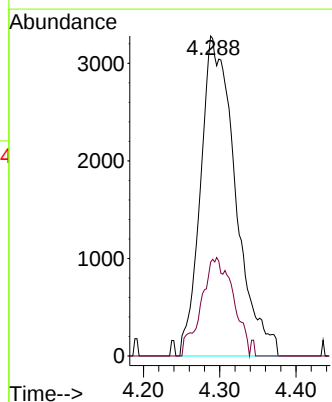
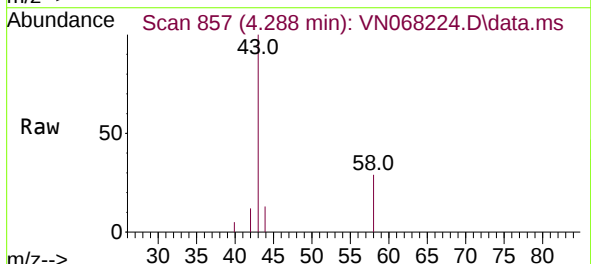
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#03

Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
55 31.4 57.4 86.0#



#16
Acetone
Concen: 8.010 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.000 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

Tgt Ion: 43 Resp: 10382
Ion Ratio Lower Upper
43 100
58 29.3 21.2 31.8

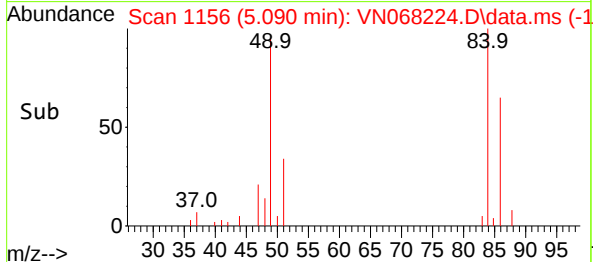
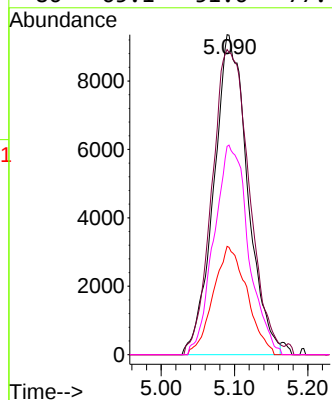
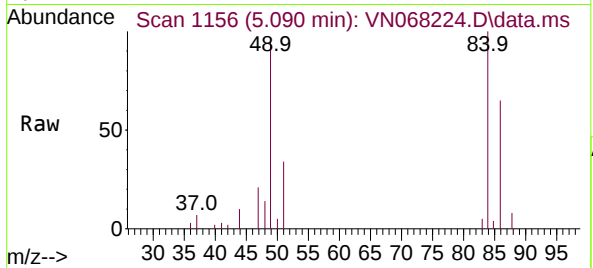




#20
Methylene Chloride
Concen: 6.509 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.003 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

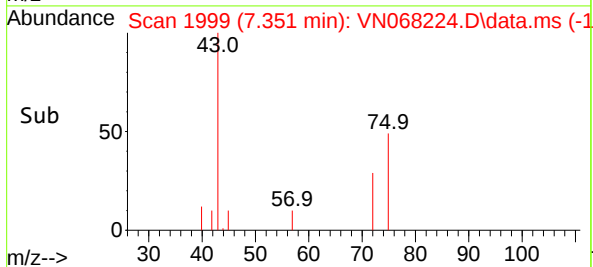
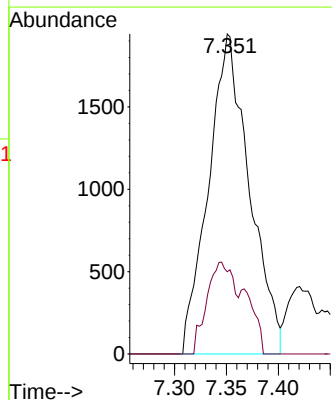
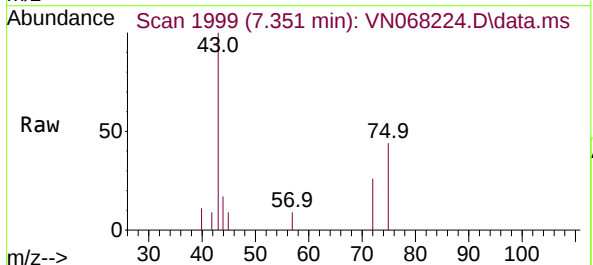
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#03

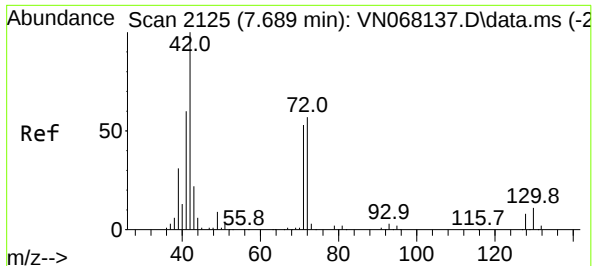
Tgt Ion:	84	Resp:	29976
Ion	Ratio	Lower	Upper
84	100		
49	95.3	110.9	166.3#
51	33.8	32.6	49.0
86	65.1	51.6	77.4



#25
2-Butanone
Concen: 2.639 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.011 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

Tgt Ion:	43	Resp:	5330
Ion	Ratio	Lower	Upper
43	100		
72	25.7	19.7	29.5





#29

Tetrahydrofuran

Concen: 0.254 ug/l

RT: 7.691 min Scan# 2126

Delta R.T. 0.002 min

Lab File: VN068224.D

Acq: 19 Aug 2021 18:18

Tgt Ion: 42 Resp: 328

Ion Ratio Lower Upper

42 100

72 66.2 32.8 49.2#

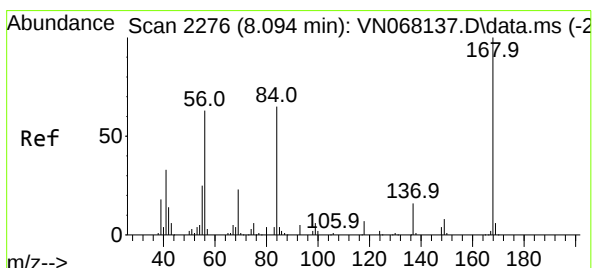
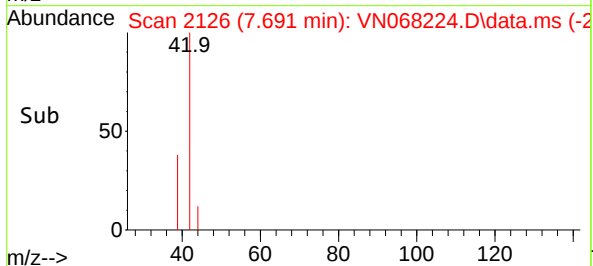
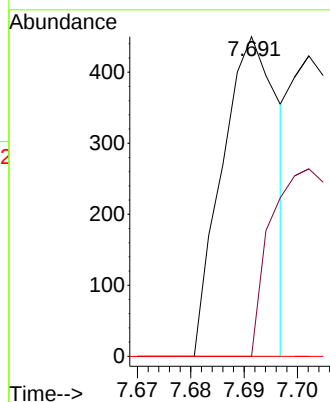
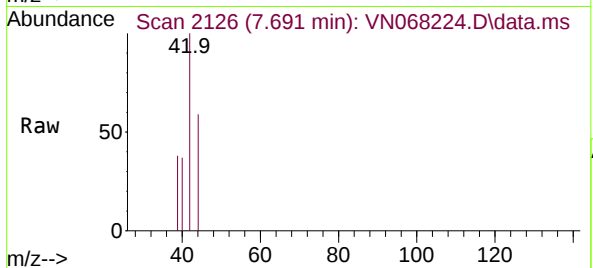
71 0.0 31.2 46.8#

Instrument :

MSVOA_N

ClientSampleId :

PB138556ZHE#03



#31

Cyclohexane

Concen: 1.228 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN068224.D

Acq: 19 Aug 2021 18:18

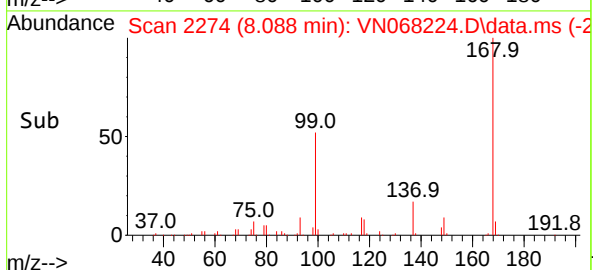
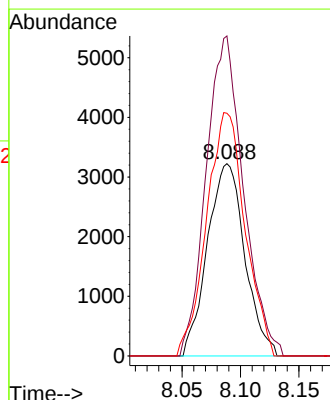
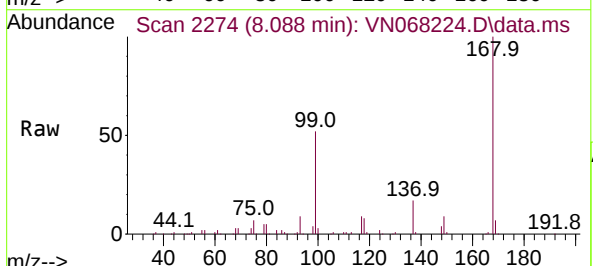
Tgt Ion: 56 Resp: 7178

Ion Ratio Lower Upper

56 100

69 166.4 27.3 40.9#

84 126.2 64.9 97.3#

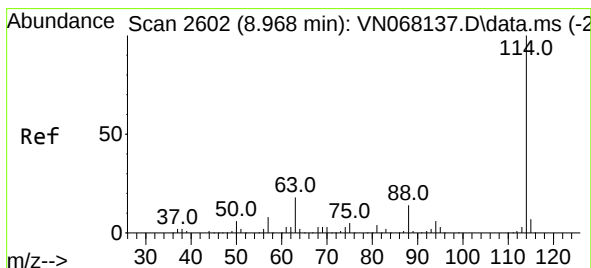
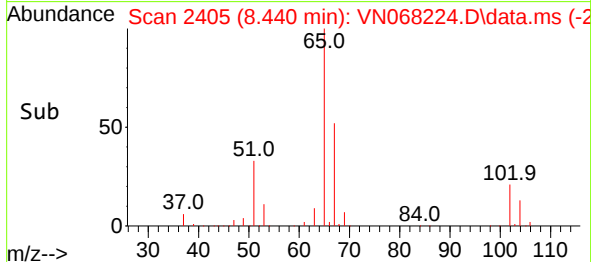
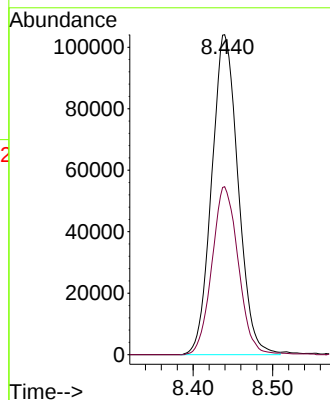
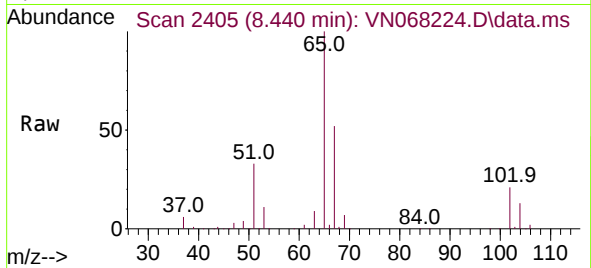




#33
 1,2-Dichloroethane-d4
 Concen: 54.204 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068224.D
 Acq: 19 Aug 2021 18:18

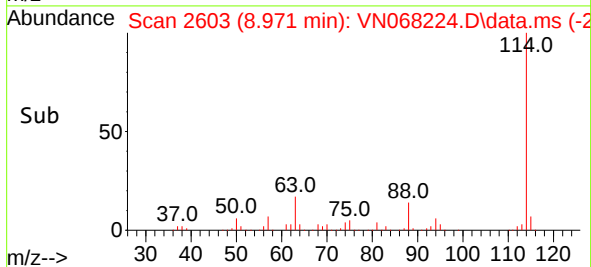
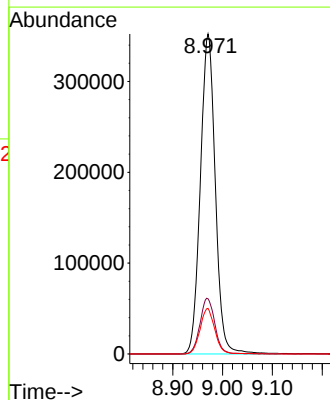
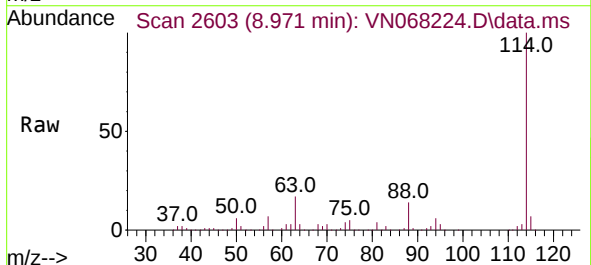
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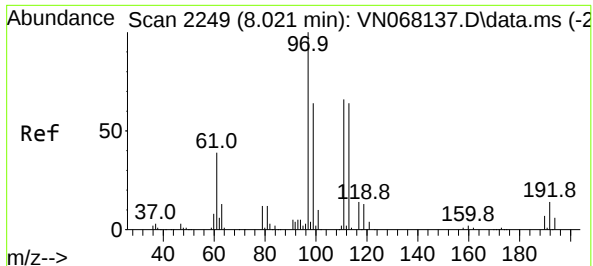
Tgt Ion: 65 Resp: 240641
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068224.D
 Acq: 19 Aug 2021 18:18

Tgt Ion: 114 Resp: 734370
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 49.0
 88 14.2 0.0 36.6

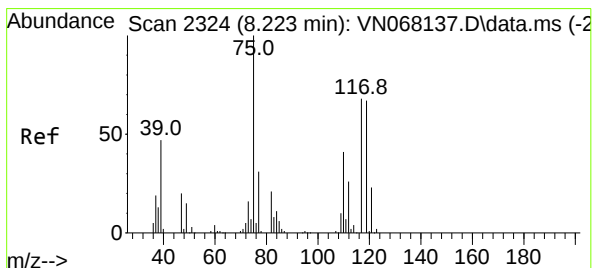
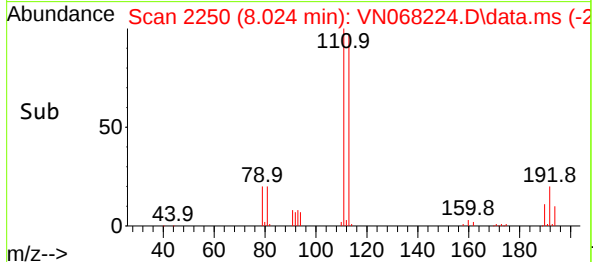
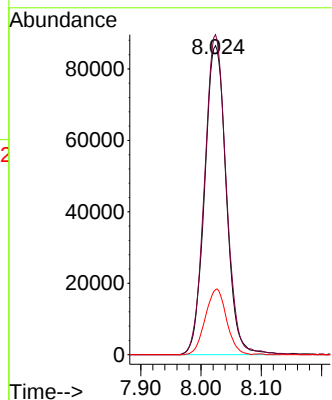
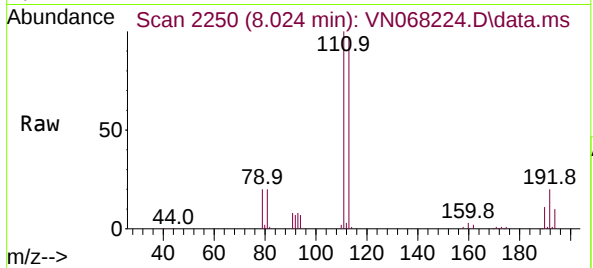




#35
Dibromofluoromethane
Concen: 46.772 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

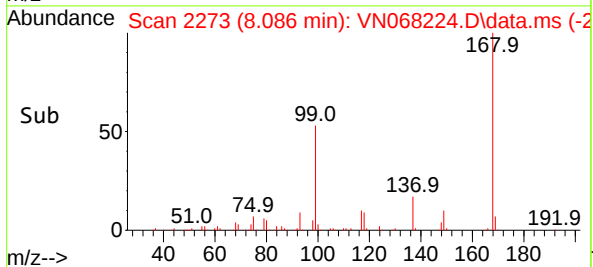
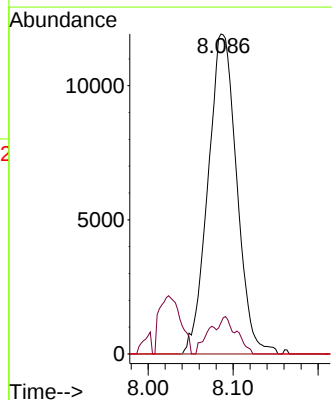
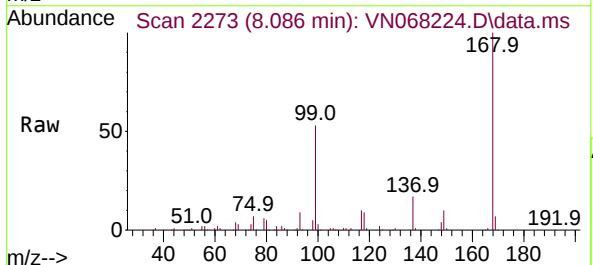
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#03

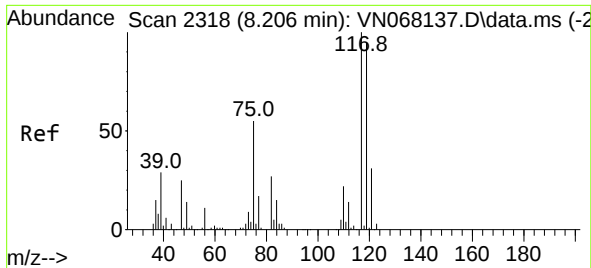
Tgt Ion:113 Resp: 215644
Ion Ratio Lower Upper
113 100
111 102.8 83.8 125.8
192 20.9 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.673 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

Tgt Ion: 75 Resp: 28055
Ion Ratio Lower Upper
75 100
110 6.9 15.7 47.0#
77 0.0 24.6 37.0#

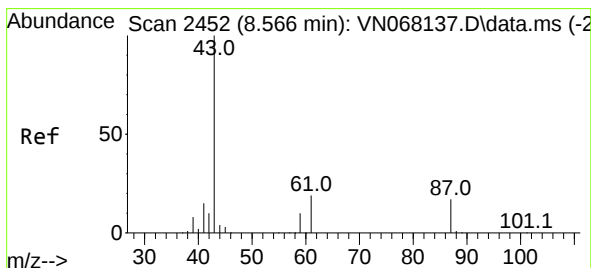
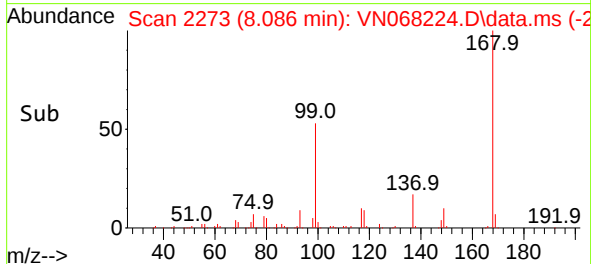
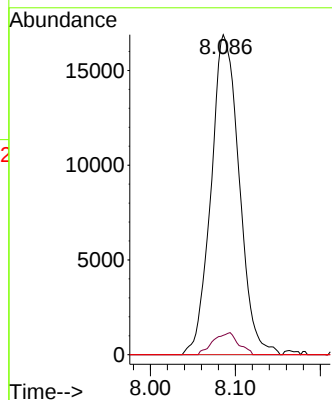
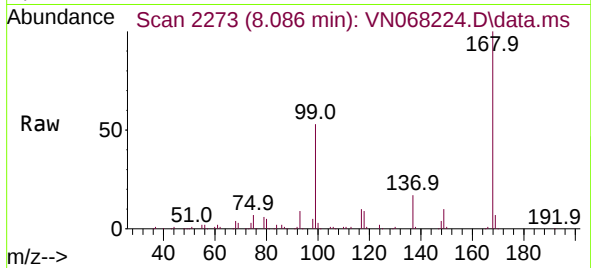




#38
Carbon Tetrachloride
Concen: 5.617 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

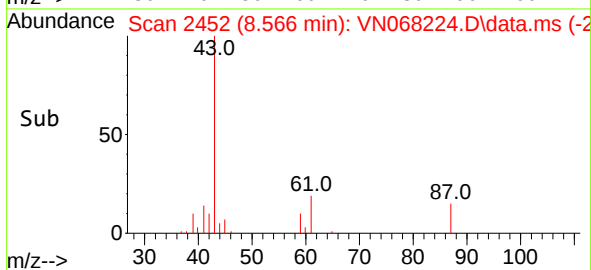
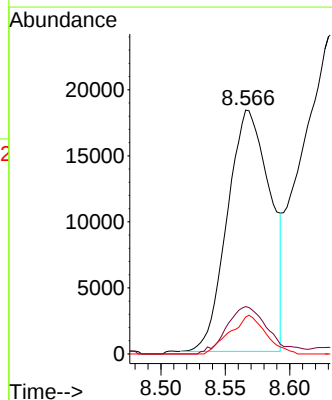
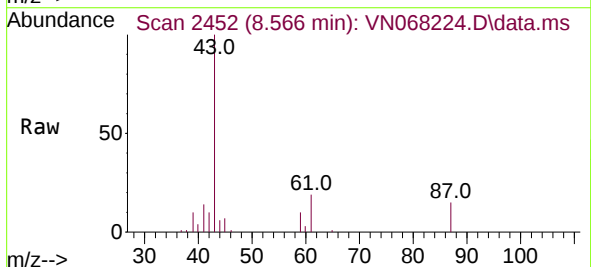
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#03

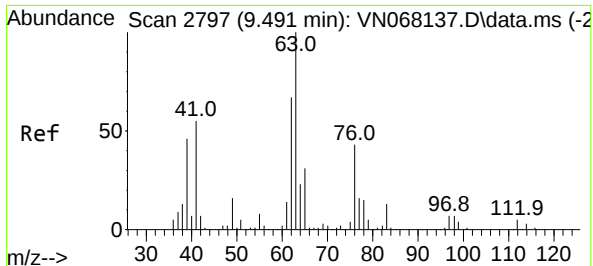
Tgt Ion:117 Resp: 38889
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 5.140 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

Tgt Ion: 43 Resp: 42110
Ion Ratio Lower Upper
43 100
61 19.3 19.0 28.4
87 13.4 9.5 14.3

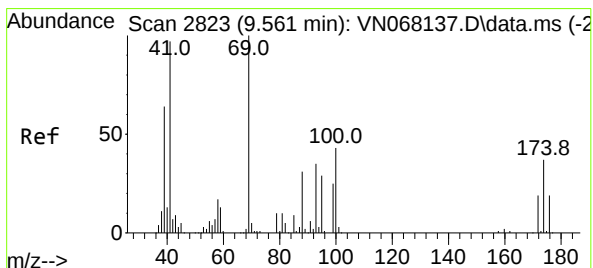
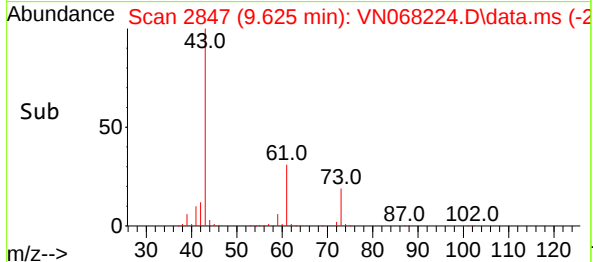
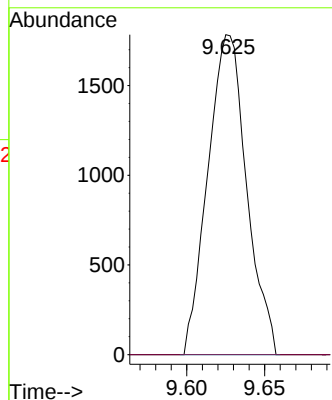
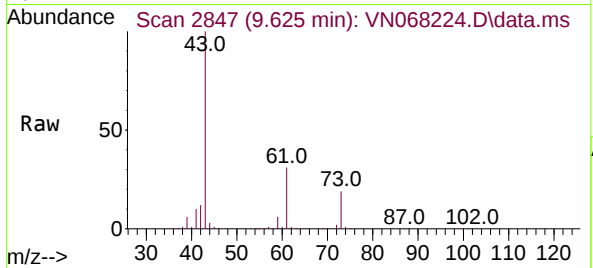




#45
1,2-Dichloropropane
Concen: 0.717 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

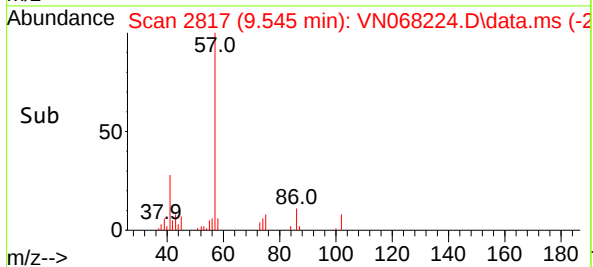
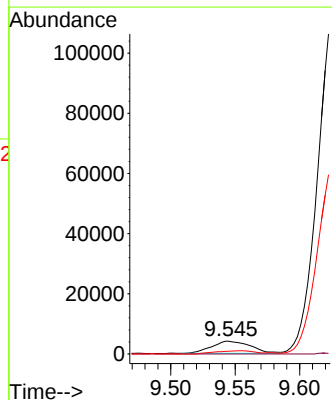
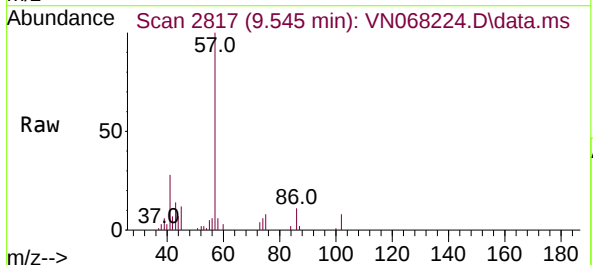
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#03

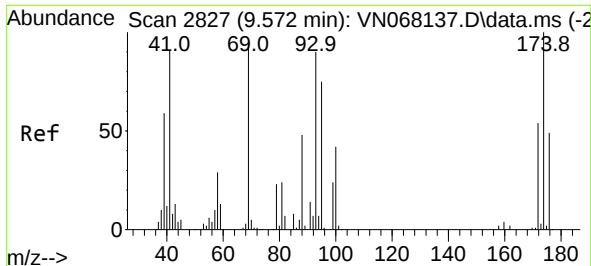
Tgt Ion: 63 Resp: 3090
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.519 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

Tgt Ion: 41 Resp: 8599
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: 3.999 ug/l

RT: 9.630 min Scan# 2849

Delta R.T. 0.058 min

Lab File: VN068224.D

Acq: 19 Aug 2021 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB138556ZHE#03

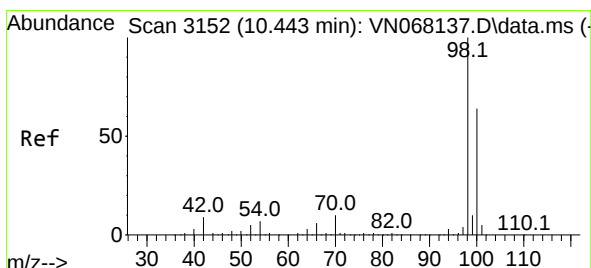
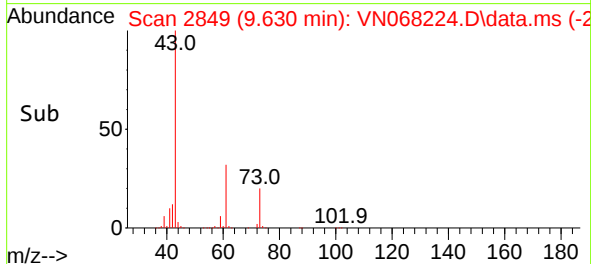
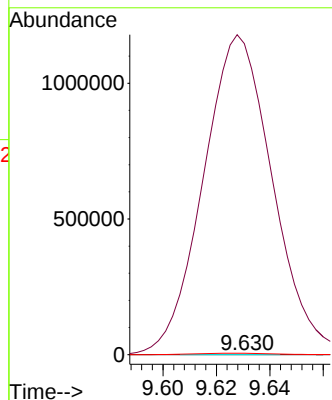
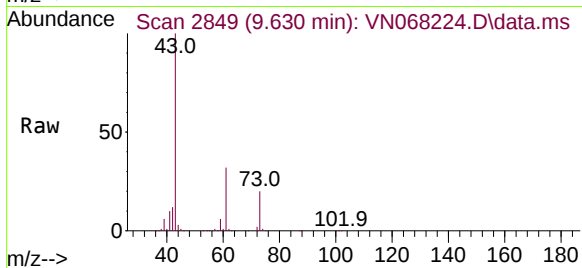
Tgt Ion: 88 Resp: 330

Ion Ratio Lower Upper

88 100

43 658842.4 28.8 43.2#

58 3411.5 60.4 90.6#



#50

Toluene-d8

Concen: 51.533 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068224.D

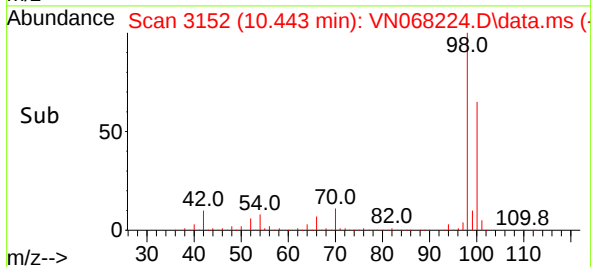
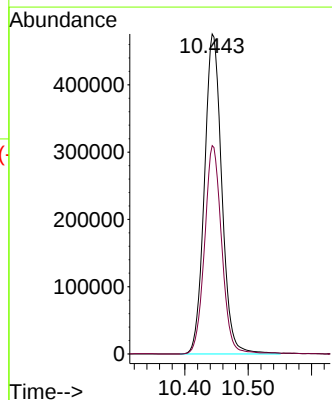
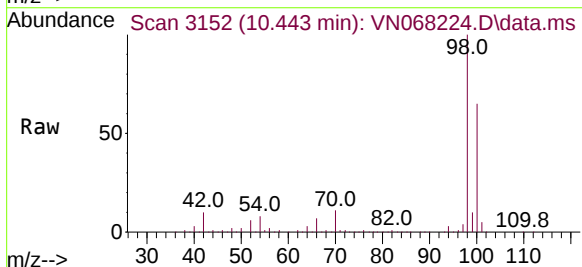
Acq: 19 Aug 2021 18:18

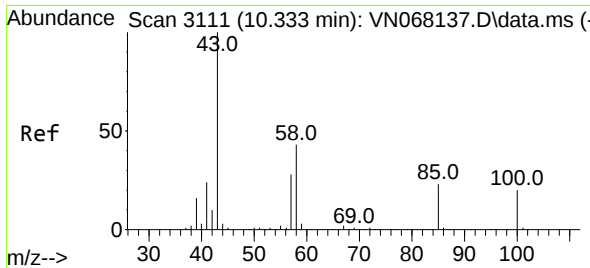
Tgt Ion: 98 Resp: 905319

Ion Ratio Lower Upper

98 100

100 64.0 51.7 77.5

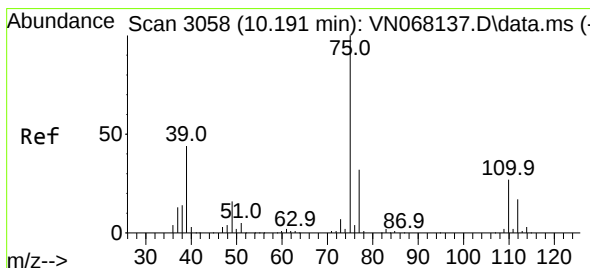
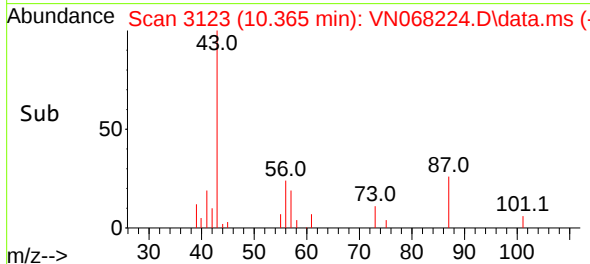
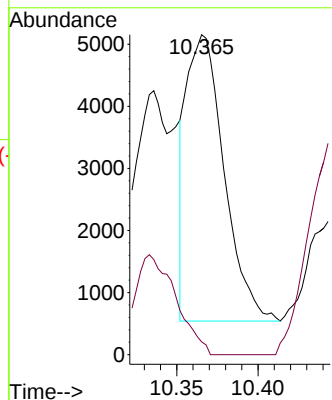
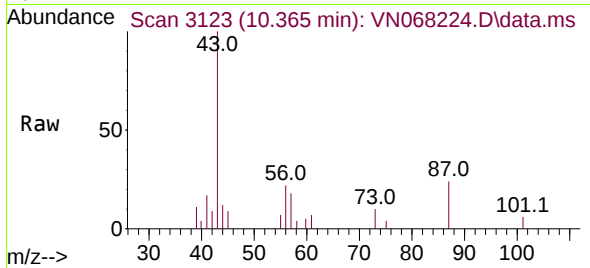




#51
4-Methyl-2-Pentanone
Concen: 1.486 ug/l
RT: 10.365 min Scan# 3123
Delta R.T. 0.032 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

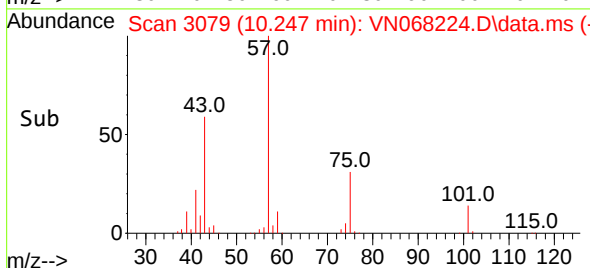
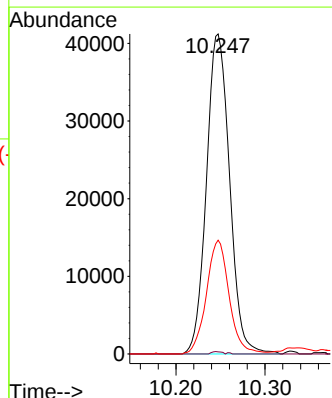
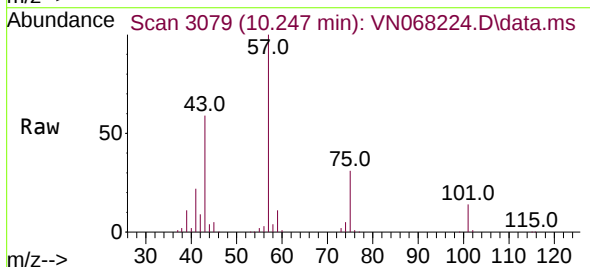
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#03

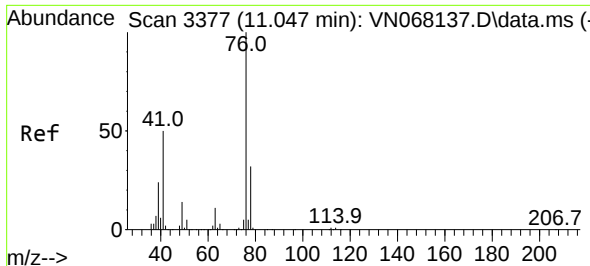
Tgt Ion: 43 Resp: 7480
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 10.712 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

Tgt Ion: 75 Resp: 74476
Ion Ratio Lower Upper
75 100
77 0.7 24.6 37.0#
39 35.6 50.7 76.1#

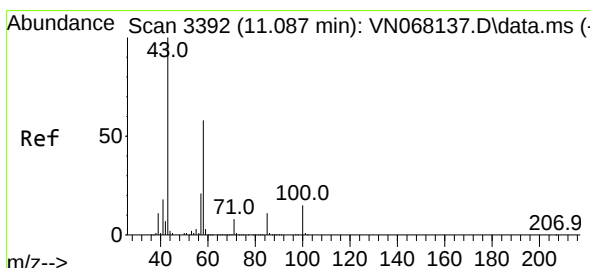
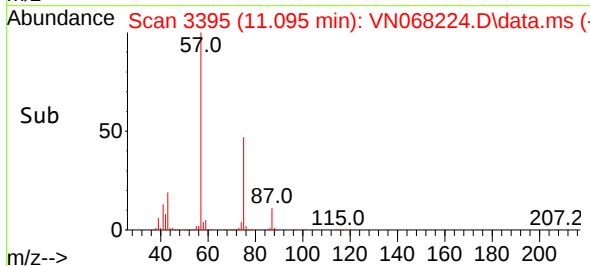
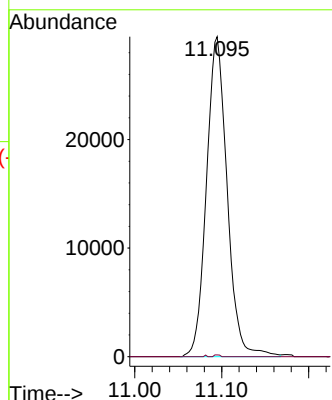
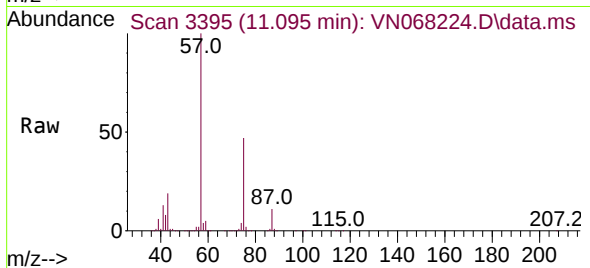




#57
1,3-Dichloropropane
Concen: 6.341 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

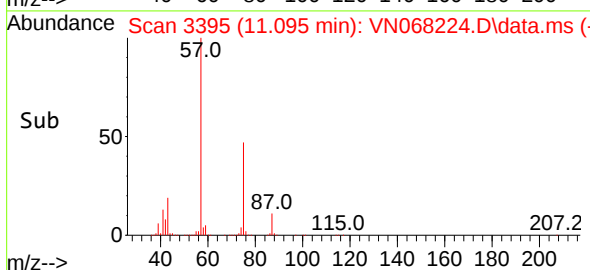
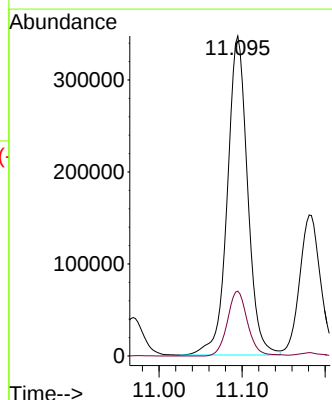
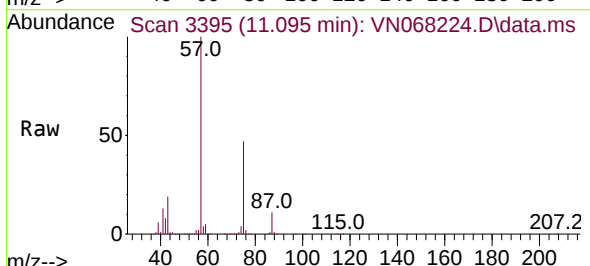
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#03

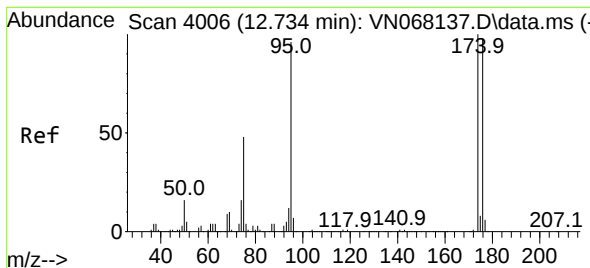
Tgt Ion: 76 Resp: 48748
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#



#59
2-Hexanone
Concen: 168.283 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

Tgt Ion: 43 Resp: 588020
Ion Ratio Lower Upper
43 100
58 20.3 24.7 74.1#

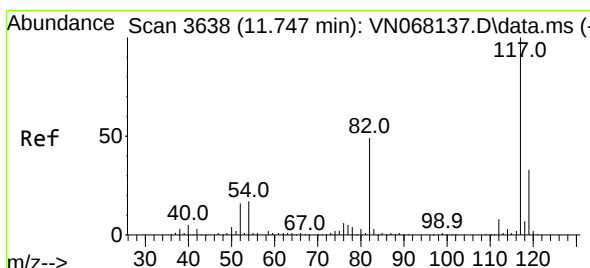
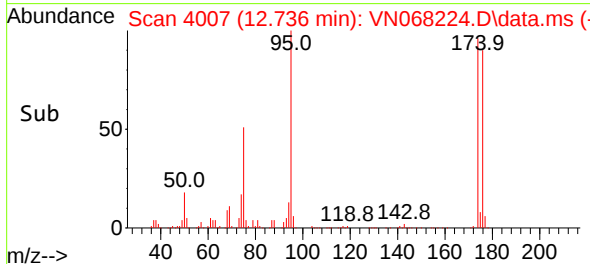
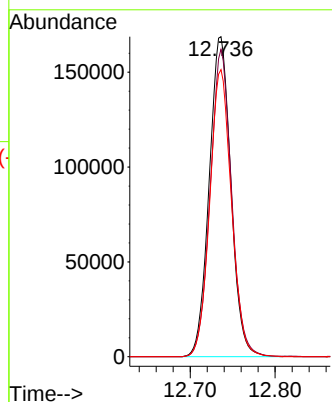
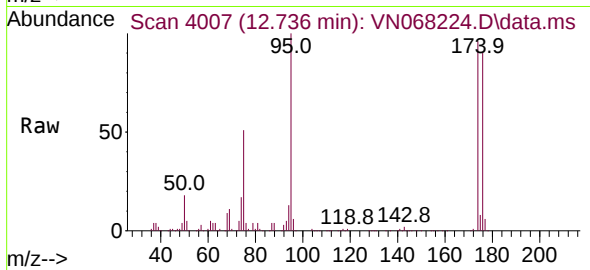




#62
4-Bromofluorobenzene
Concen: 51.051 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

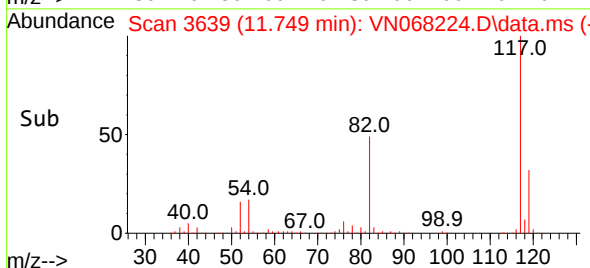
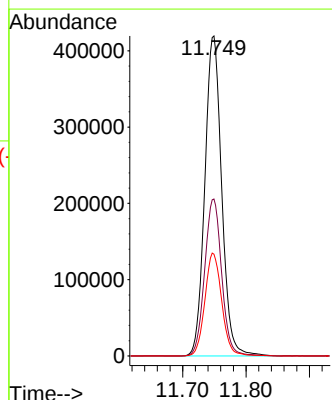
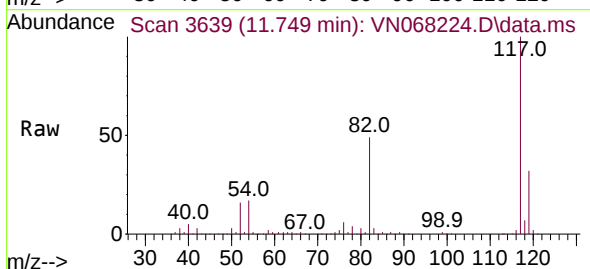
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#03

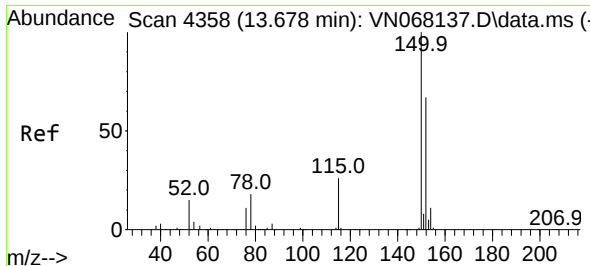
Tgt Ion: 95 Resp: 298561
Ion Ratio Lower Upper
95 100
174 94.6 0.0 122.0
176 90.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

Tgt Ion: 117 Resp: 776409
Ion Ratio Lower Upper
117 100
82 49.0 53.1 79.7#
119 31.8 25.5 38.3

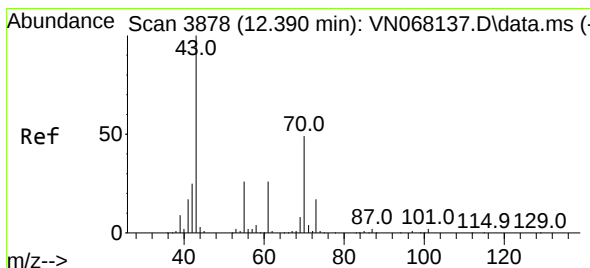
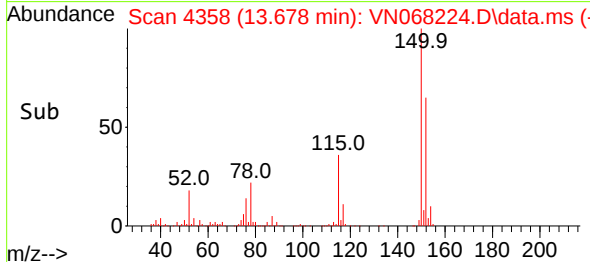
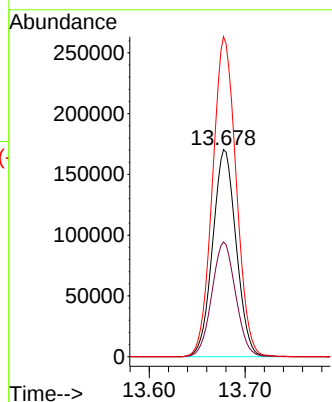
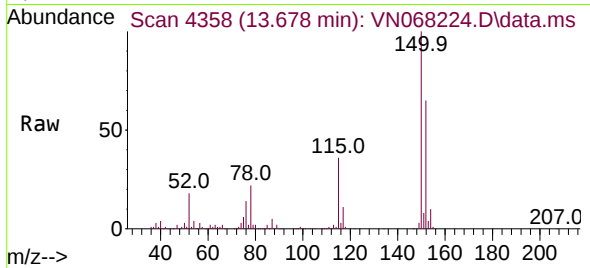




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

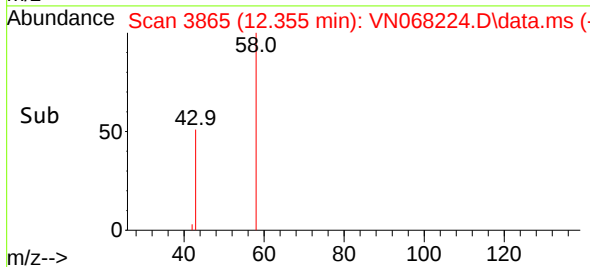
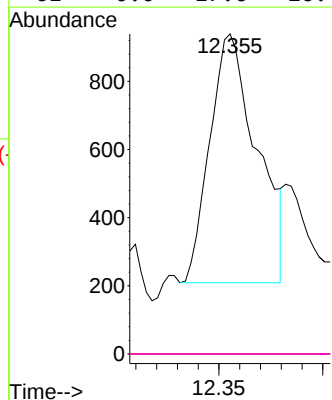
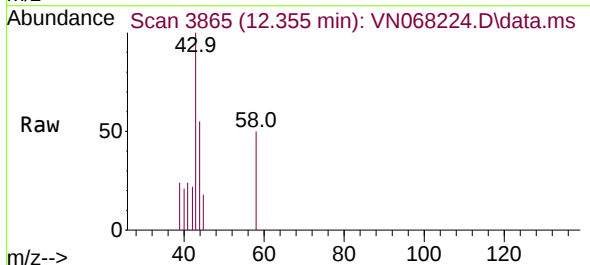
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#03

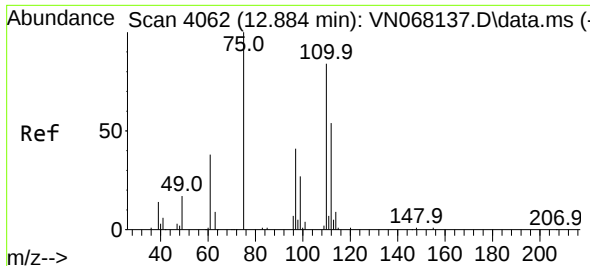
Tgt Ion:	152	Resp:	290121
Ion	Ratio	Lower	Upper
152	100		
115	56.0	36.1	108.5
150	155.6	0.0	351.8



#74
N-ethyl acetate
Concen: 0.214 ug/l
RT: 12.355 min Scan# 3865
Delta R.T. -0.035 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

Tgt Ion:	43	Resp:	1150
Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.4	44.2#
55	0.0	17.0	25.4#
61	0.0	17.6	26.4#

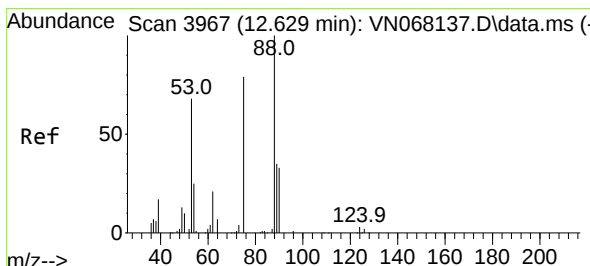
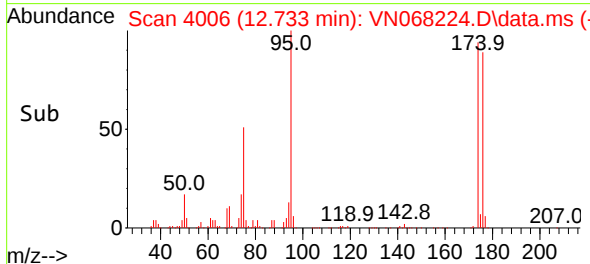
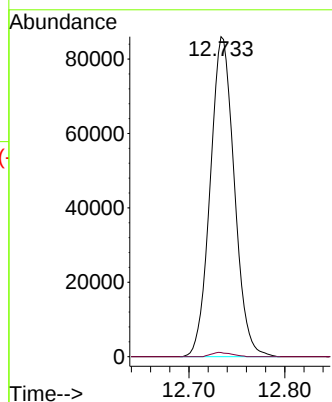
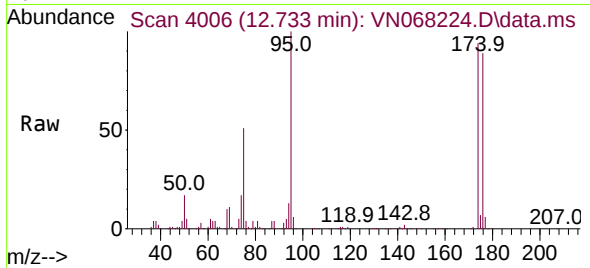




#76
1,2,3-Trichloropropane
Concen: 31.139 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

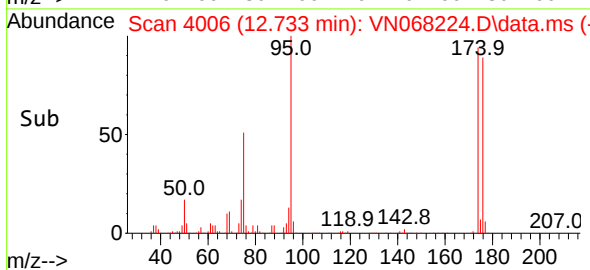
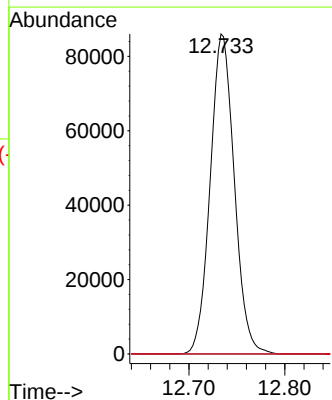
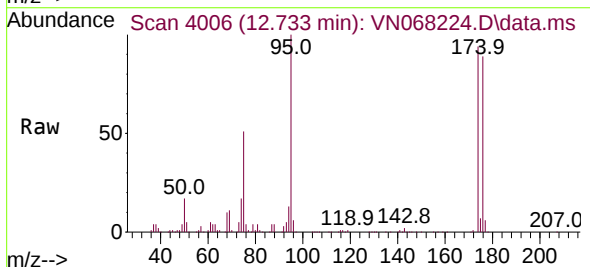
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#03

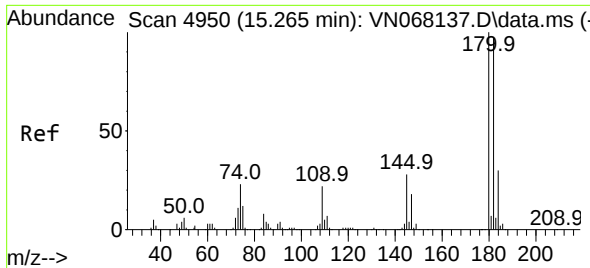
Tgt Ion: 75 Resp: 150155
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.016 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

Tgt Ion: 75 Resp: 150155
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

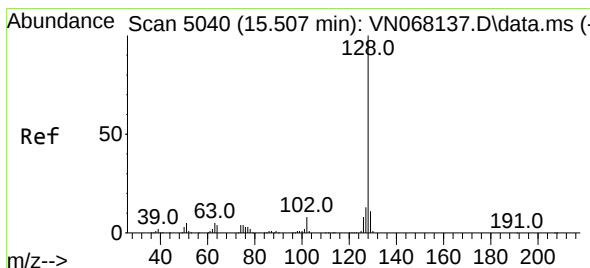
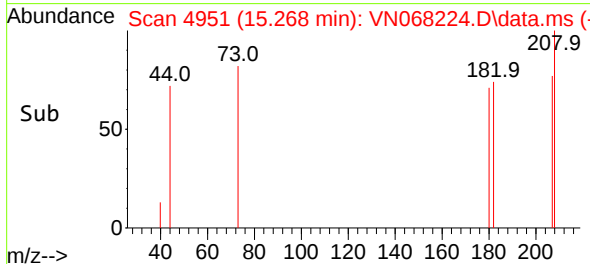
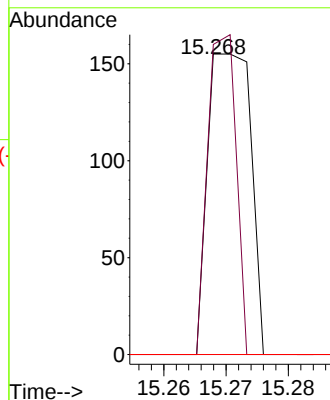
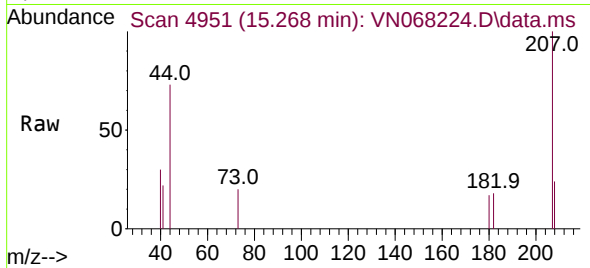




#93
1,2,4-Trichlorobenzene
Concen: 2.699 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#03

Tgt Ion:180	Resp:	74
Ion Ratio	Lower	Upper
180	100	
182	70.3	47.5 142.5
145	0.0	17.2 51.6#



#95
Naphthalene
Concen: 3.396 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN068224.D
Acq: 19 Aug 2021 18:18

Tgt Ion:128	Resp:	636
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 15.8#
129	0.0	8.6 12.8#

