

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068516.D
 Acq On : 17 Sep 2021 13:35
 Operator : JC/MD
 Sample : M3759-15 2000X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41264

Quant Time: Sep 20 03:56:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

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

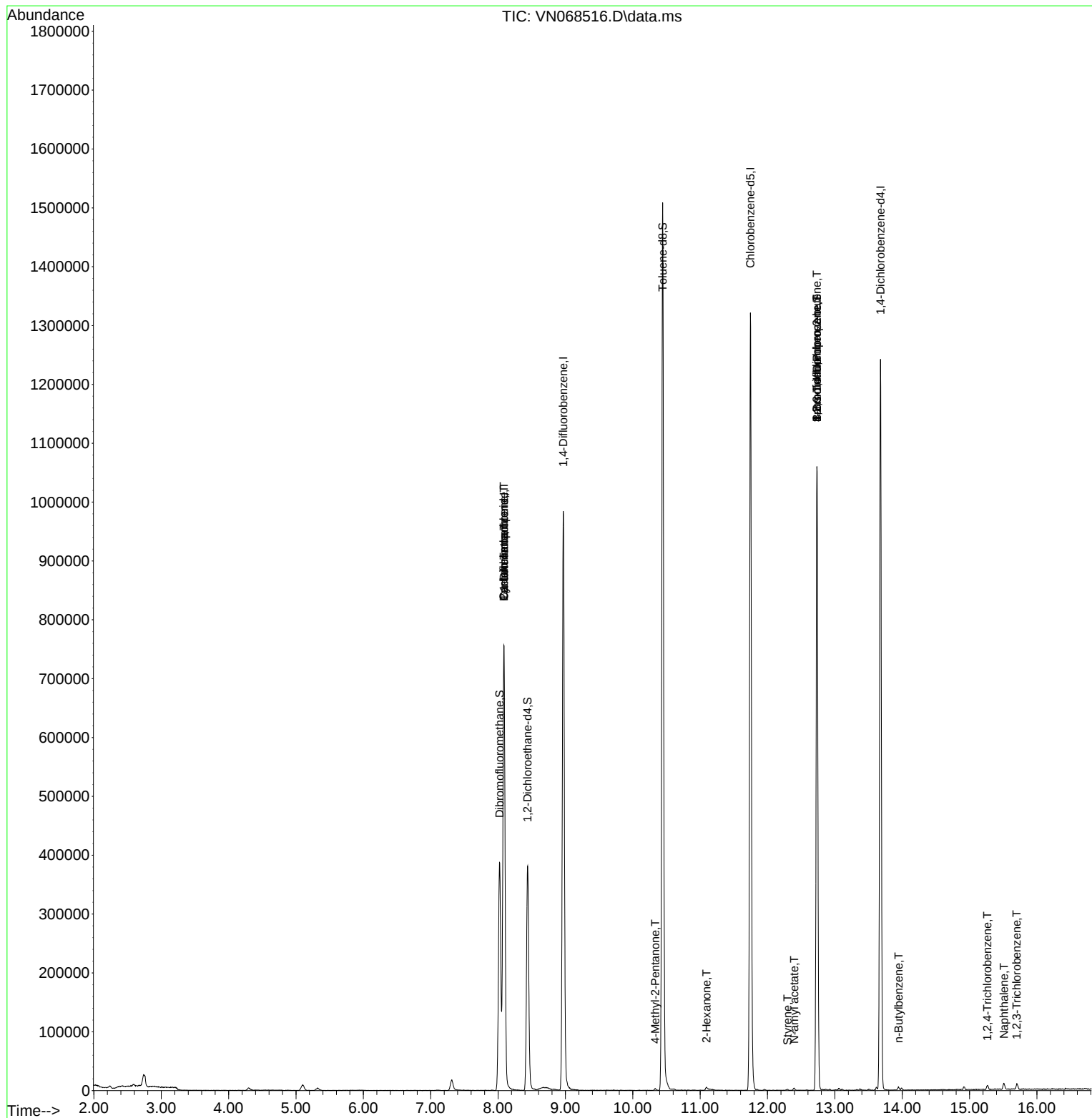
Internal Standards						
1) Pentafluorobenzene	8.088	168	640811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	985951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	885881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	391808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	319966	54.433	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.860%			
35) Dibromofluoromethane	8.021	113	287732	48.386	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.780%			
50) Toluene-d8	10.443	98	1161790	47.805	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.600%			
62) 4-Bromofluorobenzene	12.734	95	357530	44.932	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.860%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	345	Below Cal	#	42
5) Bromomethane	2.840	94	38	Below Cal	#	3
11) Tert butyl alcohol	5.318	59	3432	Below Cal	#	84
16) Acetone	4.291	43	3573	Below Cal		96
18) Methyl Acetate	4.851	43	258	Below Cal	#	45
20) Methylene Chloride	5.090	84	4384	Below Cal	#	76
31) Cyclohexane	8.086	56	10455	1.174	ug/l #	28
36) 1,1-Dichloropropene	8.086	75	39595	4.817	ug/l #	47
38) Carbon Tetrachloride	8.086	117	58327	5.923	ug/l #	16
51) 4-Methyl-2-Pentanone	10.333	43	2440	0.387	ug/l	87
59) 2-Hexanone	11.095	43	3461	0.821	ug/l	96
70) Styrene	12.299	104	749	1.789	ug/l #	74
71) Bromoform	12.734	173	3766	3.056	ug/l #	1
74) N-amyl acetate	12.396	43	2395	0.385	ug/l #	85
76) 1,2,3-Trichloropropane	12.734	75	173889	31.875	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	173889	98.357	ug/l #	13
89) n-Butylbenzene	13.949	91	3800	0.227	ug/l	97
93) 1,2,4-Trichlorobenzene	15.265	180	3415	3.398	ug/l	98
95) Naphthalene	15.512	128	11627	4.194	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	4122	3.535	ug/l	99

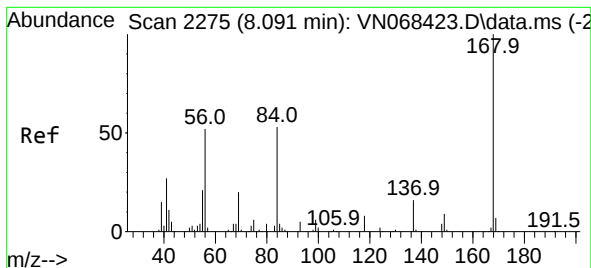
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.003 min

Lab File: VN068516.D

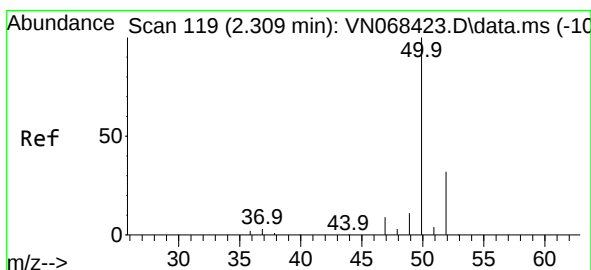
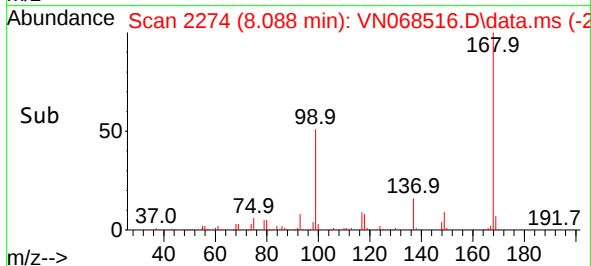
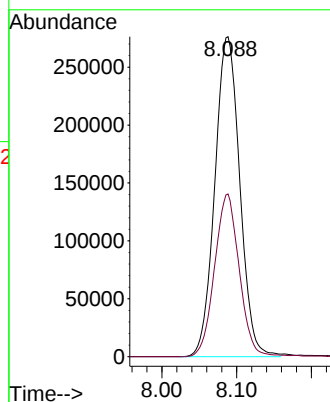
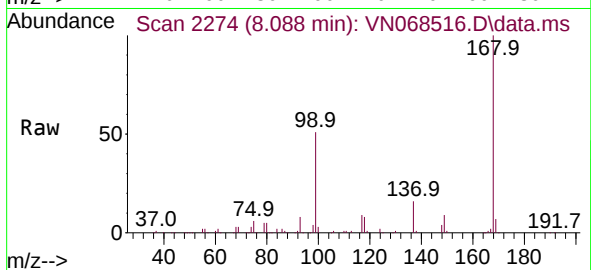
Acq: 17 Sep 2021 13:35

Tgt Ion:168 Resp: 640811

Ion Ratio Lower Upper

168 100

99 50.9 38.2 57.4



#3

Chloromethane

Concen: Below Cal

RT: 2.298 min Scan# 115

Delta R.T. -0.011 min

Lab File: VN068516.D

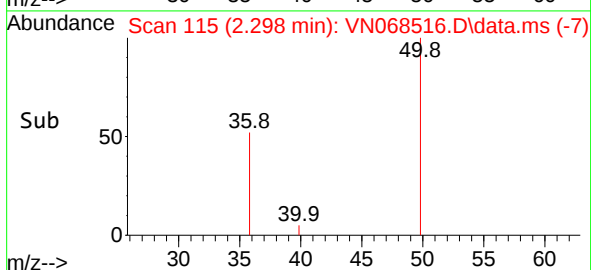
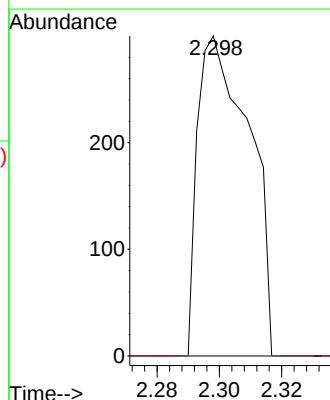
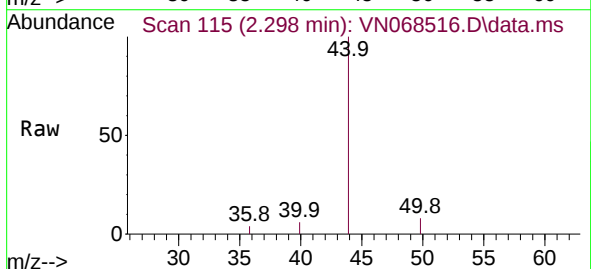
Acq: 17 Sep 2021 13:35

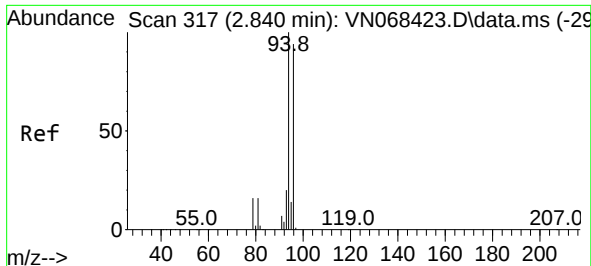
Tgt Ion: 50 Resp: 345

Ion Ratio Lower Upper

50 100

52 0.0 25.8 38.6#

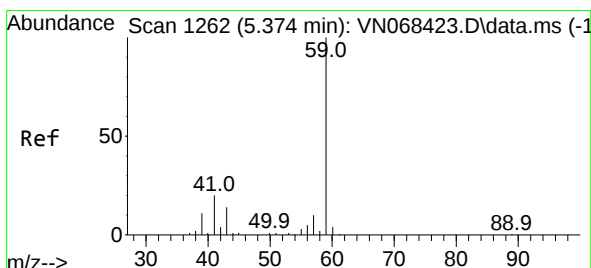
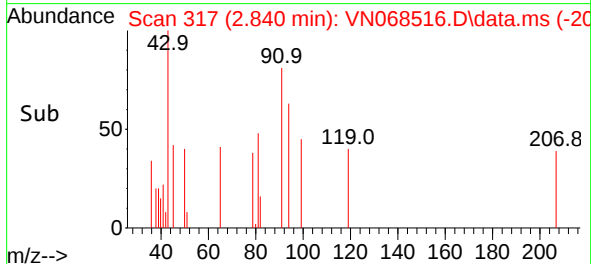
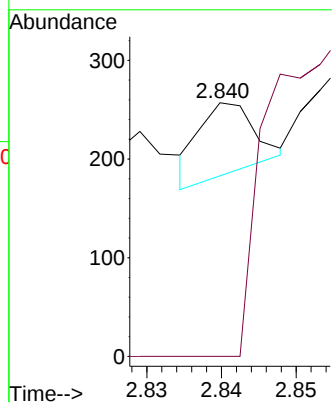
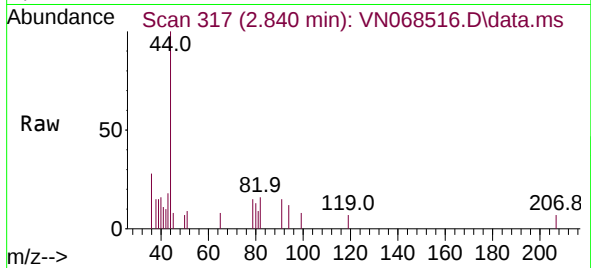




#5
Bromomethane
Concen: Below Cal
RT: 2.840 min Scan# 317
Delta R.T. -0.000 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

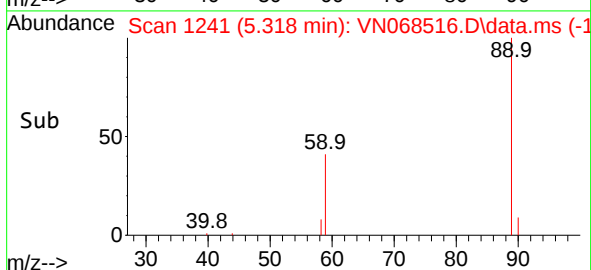
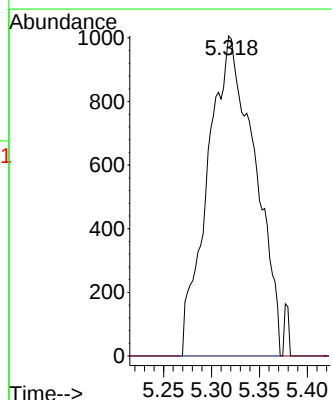
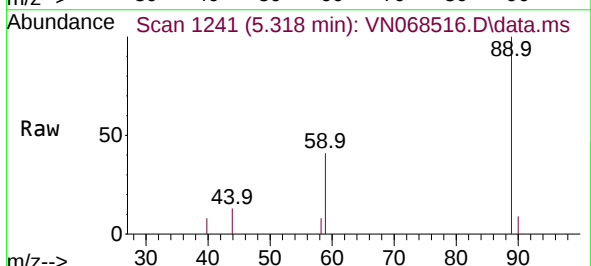
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41264

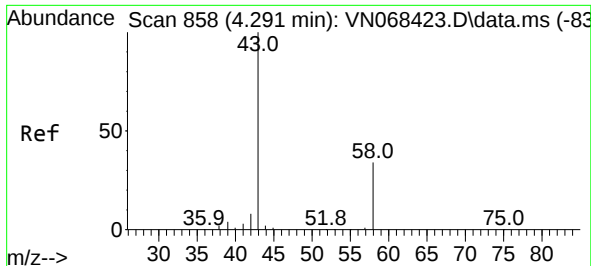
Tgt Ion: 94 Resp: 38
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.318 min Scan# 1241
Delta R.T. -0.056 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

Tgt Ion: 59 Resp: 3432
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

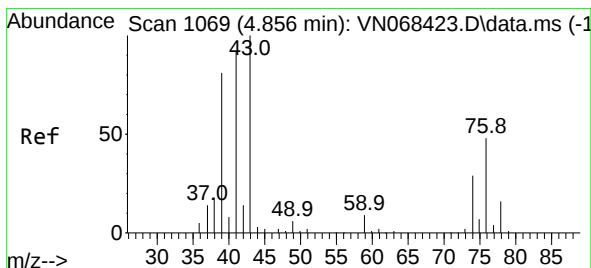
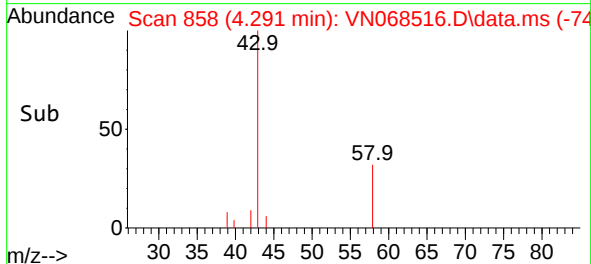
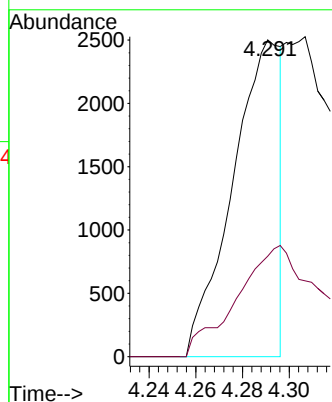
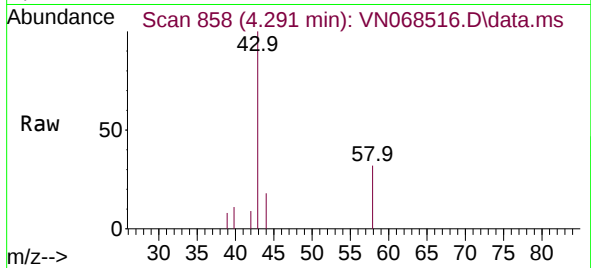




#16
Acetone
Concen: Below Cal
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

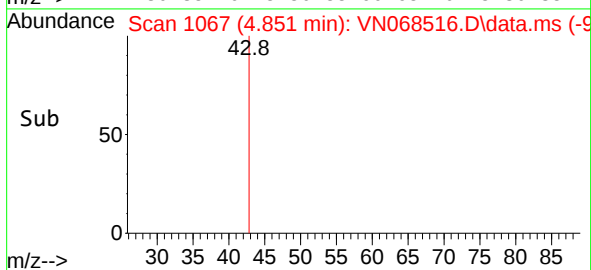
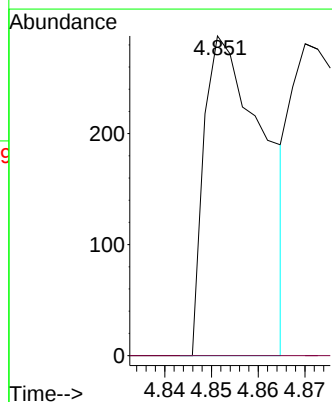
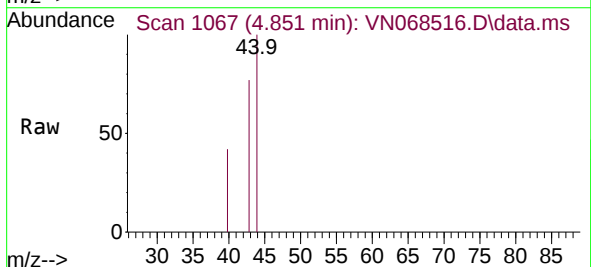
Instrument :
MSVOA_N
ClientSampled :
41264

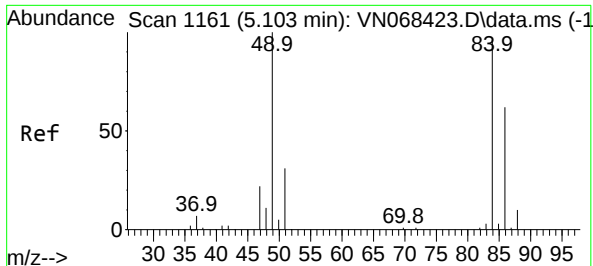
Tgt Ion: 43 Resp: 3573
Ion Ratio Lower Upper
43 100
58 31.7 27.0 40.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 1067
Delta R.T. -0.005 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

Tgt Ion: 43 Resp: 258
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.090 min Scan# 1156

Delta R.T. -0.013 min

Lab File: VN068516.D

Acq: 17 Sep 2021 13:35

Instrument :

MSVOA_N

ClientSampled :

41264

Tgt Ion: 84 Resp: 4384

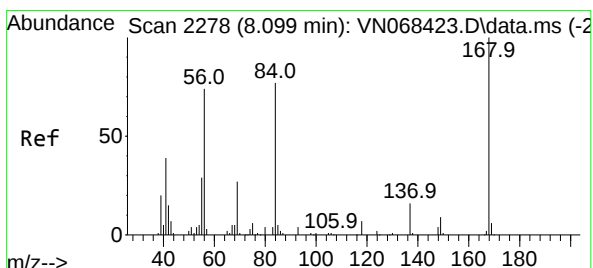
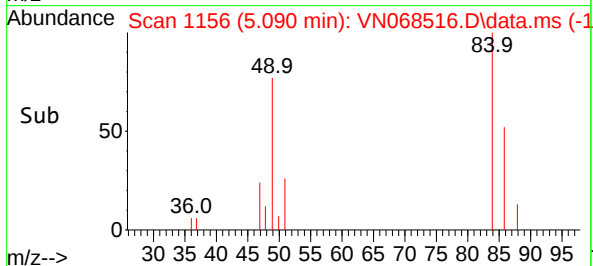
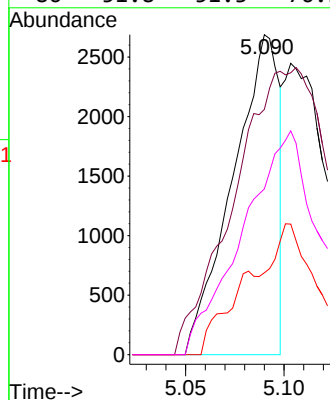
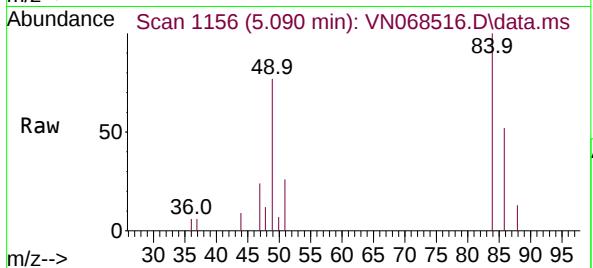
Ion Ratio Lower Upper

84 100

49 69.7 83.0 124.6#

51 25.6 25.4 38.0

86 51.8 51.3 76.9



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.013 min

Lab File: VN068516.D

Acq: 17 Sep 2021 13:35

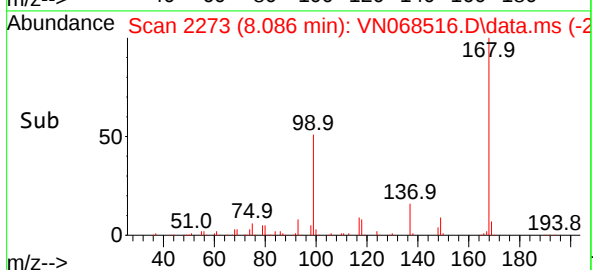
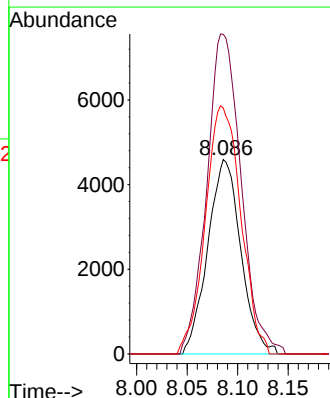
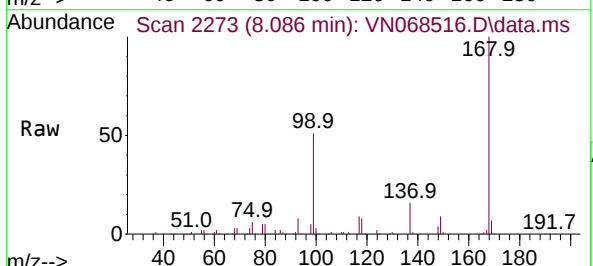
Tgt Ion: 56 Resp: 10455

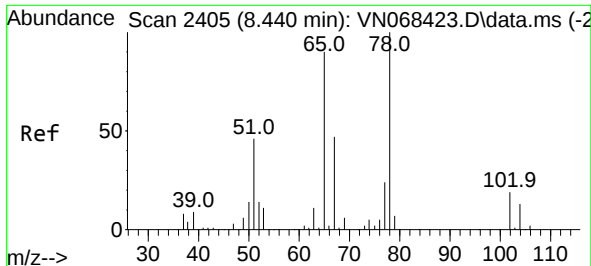
Ion Ratio Lower Upper

56 100

69 164.4 29.4 44.0#

84 126.6 83.6 125.4#

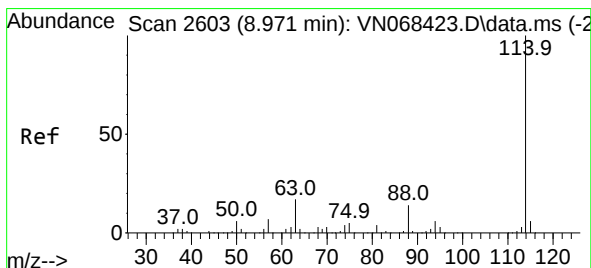
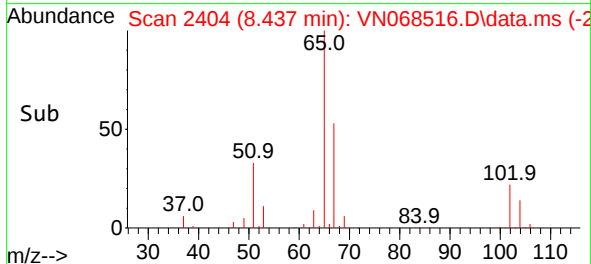
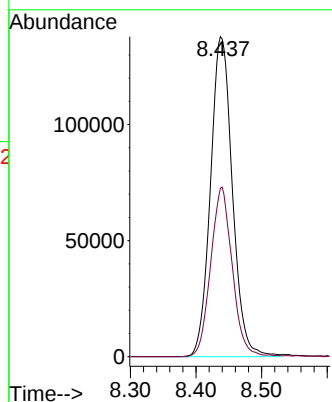
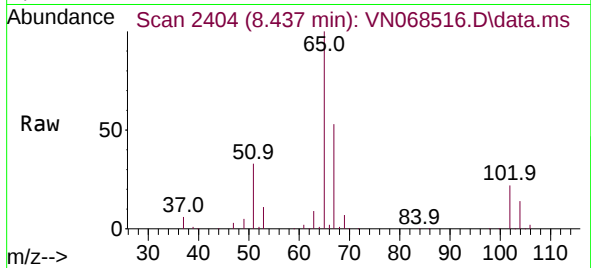




#33
 1,2-Dichloroethane-d4
 Concen: 54.433 ug/l
 RT: 8.437 min Scan# 2404
 Delta R.T. -0.003 min
 Lab File: VN068516.D
 Acq: 17 Sep 2021 13:35

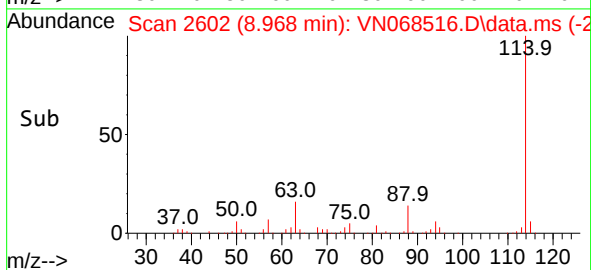
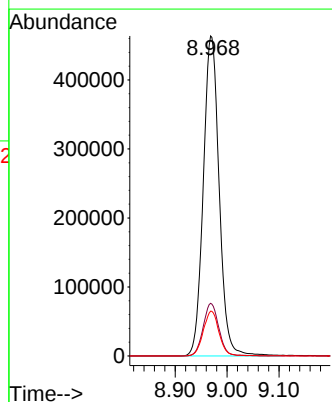
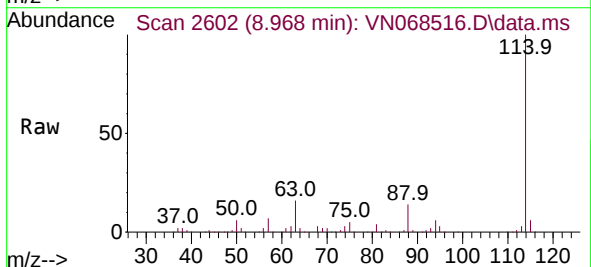
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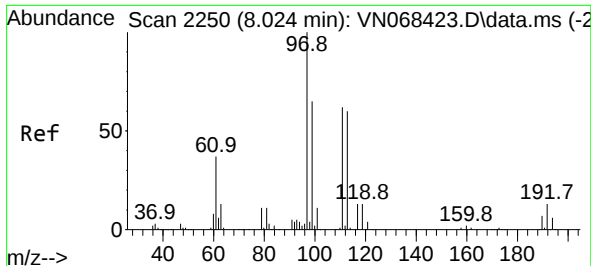
Tgt Ion: 65 Resp: 319966
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.003 min
 Lab File: VN068516.D
 Acq: 17 Sep 2021 13:35

Tgt Ion: 114 Resp: 985951
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 33.2
 88 14.0 0.0 28.4





#35

Dibromofluoromethane

Concen: 48.386 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. -0.003 min

Lab File: VN068516.D

Acq: 17 Sep 2021 13:35

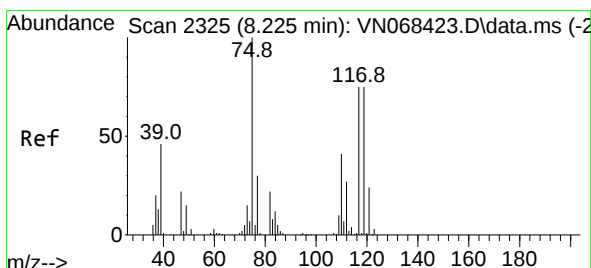
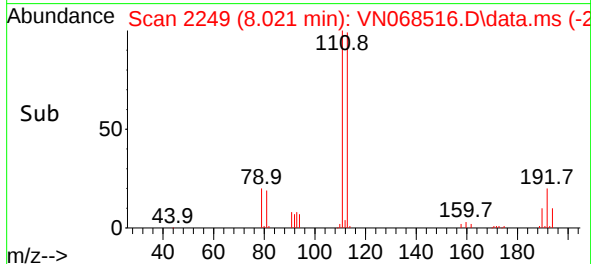
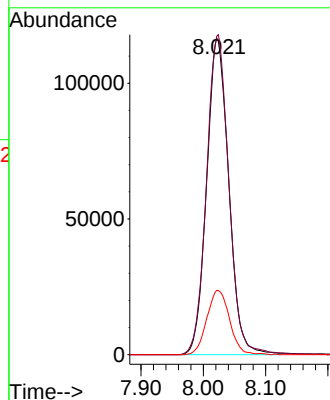
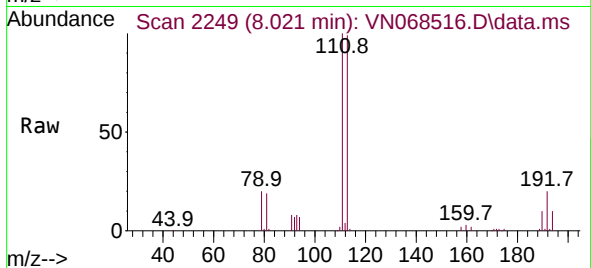
Tgt Ion: 113 Resp: 287732

Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

192 20.8 17.7 26.5



#36

1,1-Dichloropropene

Concen: 4.817 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.139 min

Lab File: VN068516.D

Acq: 17 Sep 2021 13:35

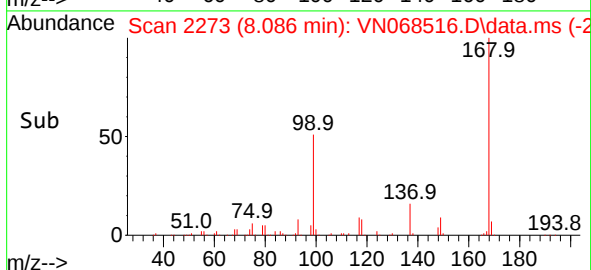
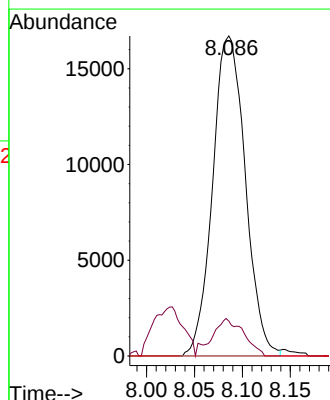
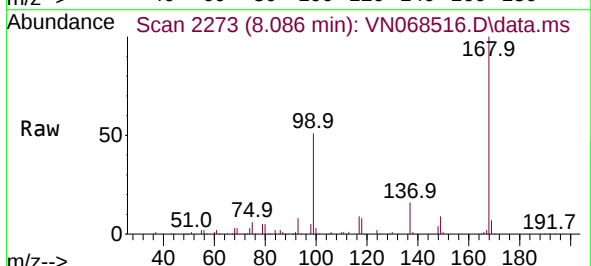
Tgt Ion: 75 Resp: 39595

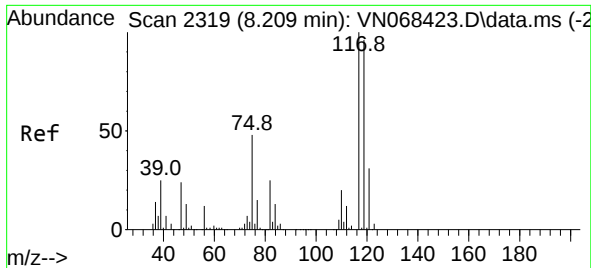
Ion Ratio Lower Upper

75 100

110 10.3 20.8 62.5#

77 0.0 25.0 37.6#

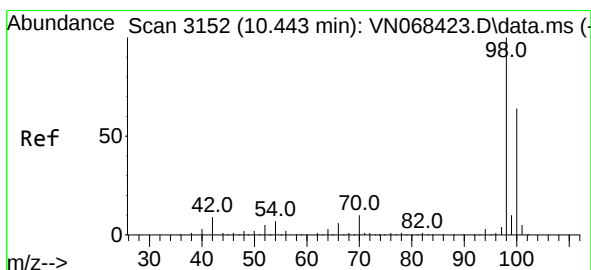
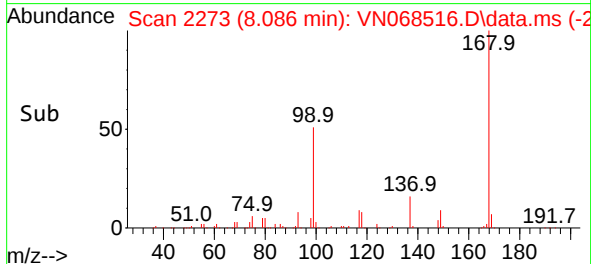
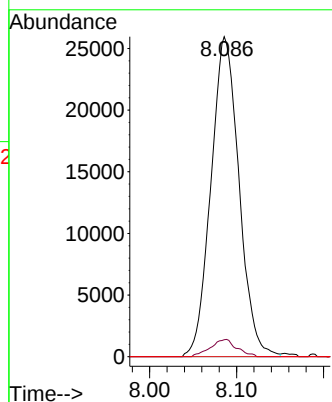
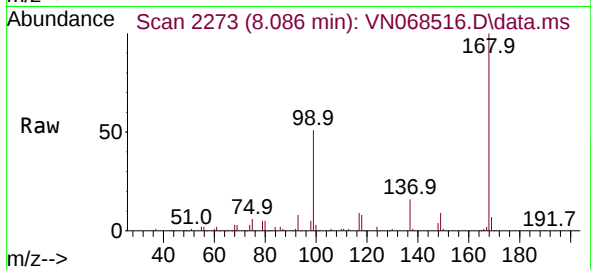




#38
Carbon Tetrachloride
Concen: 5.923 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

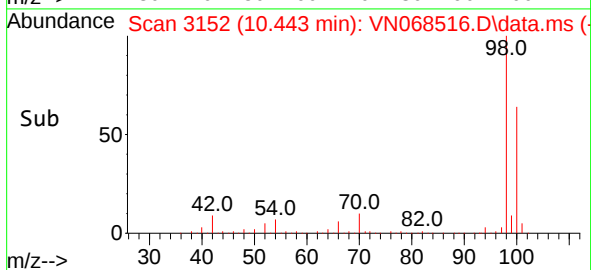
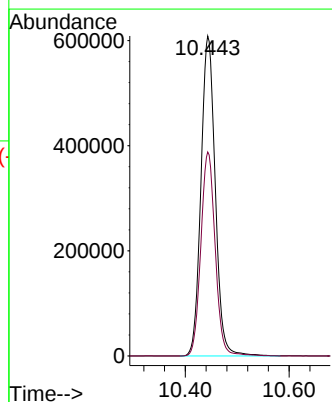
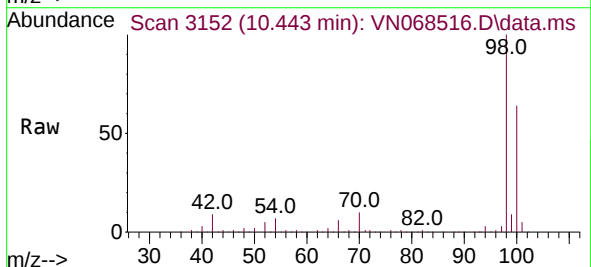
Instrument :
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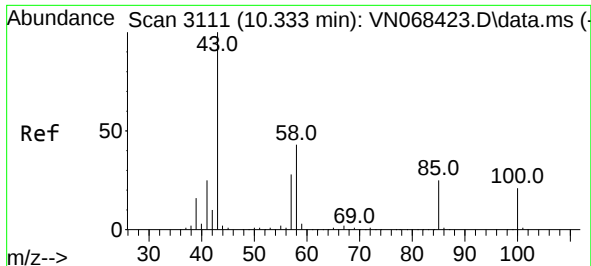
Tgt Ion:117 Resp: 58327
Ion Ratio Lower Upper
117 100
119 5.3 76.6 114.8#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 47.805 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

Tgt Ion: 98 Resp: 1161790
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.6

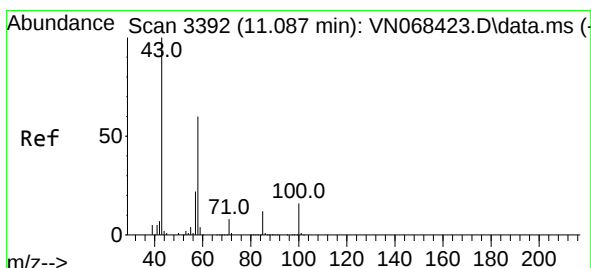
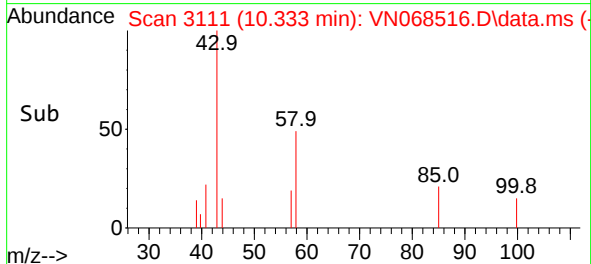
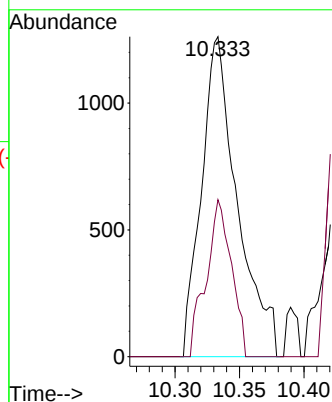
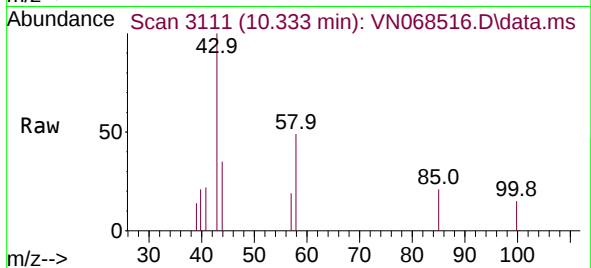




#51
4-Methyl-2-Pentanone
Concen: 0.387 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

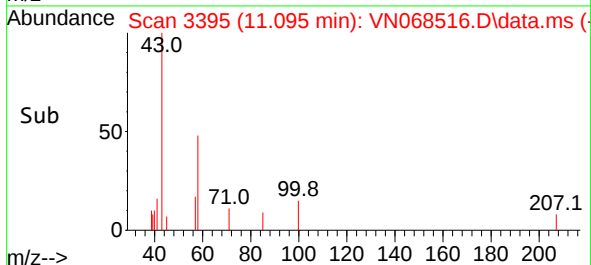
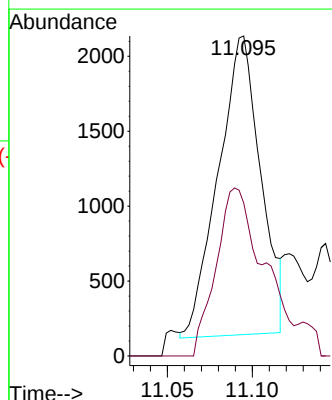
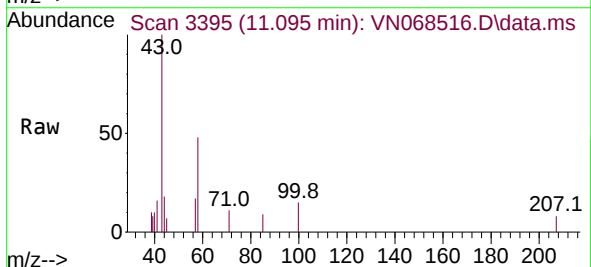
Instrument :
MSVOA_N
ClientSampled :
41264

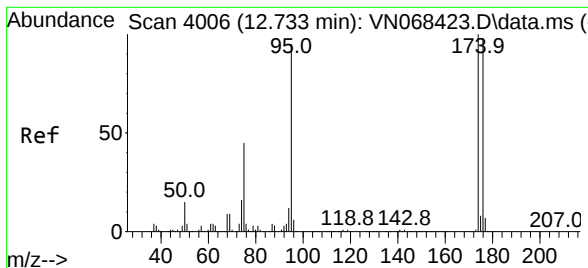
Tgt Ion: 43 Resp: 2440
Ion Ratio Lower Upper
43 100
58 34.5 34.3 51.5



#59
2-Hexanone
Concen: 0.821 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

Tgt Ion: 43 Resp: 3461
Ion Ratio Lower Upper
43 100
58 63.4 30.0 90.1

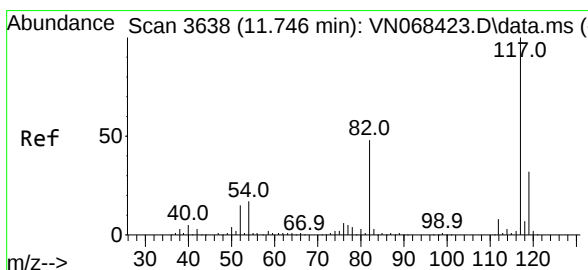
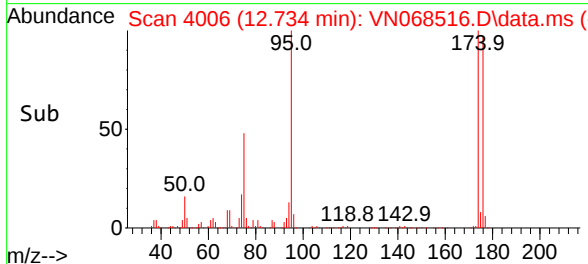
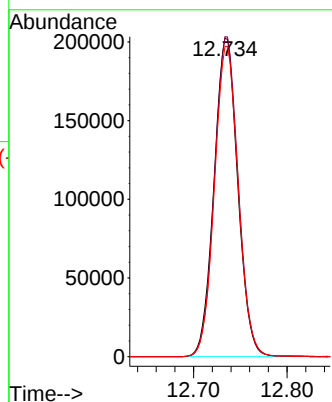
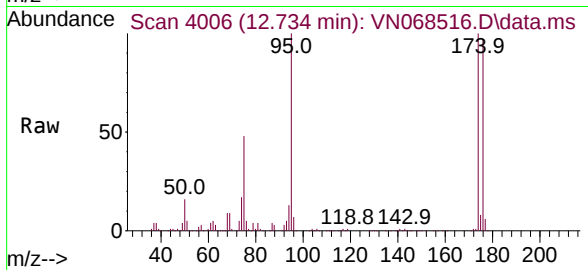




#62
4-Bromofluorobenzene
Concen: 44.932 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

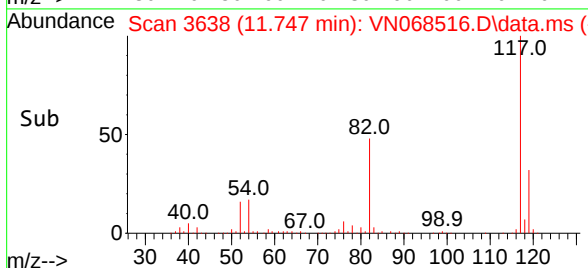
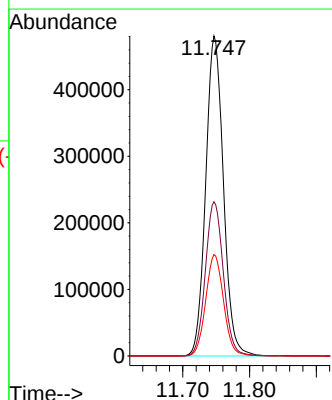
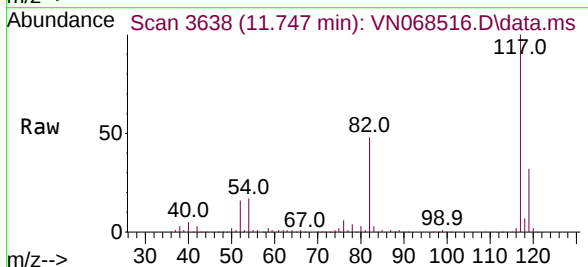
Instrument :
MSVOA_N
ClientSampleId :
41264

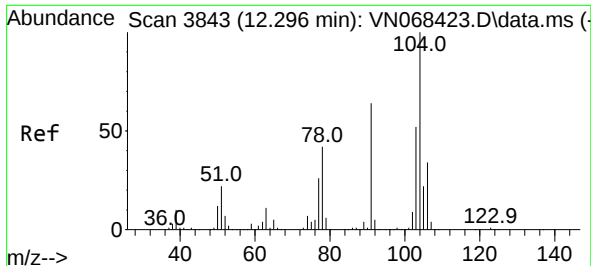
Tgt Ion: 95 Resp: 357530
Ion Ratio Lower Upper
95 100
174 100.8 0.0 214.0
176 97.4 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

Tgt Ion: 117 Resp: 885881
Ion Ratio Lower Upper
117 100
82 48.2 38.7 58.1
119 31.7 25.5 38.3

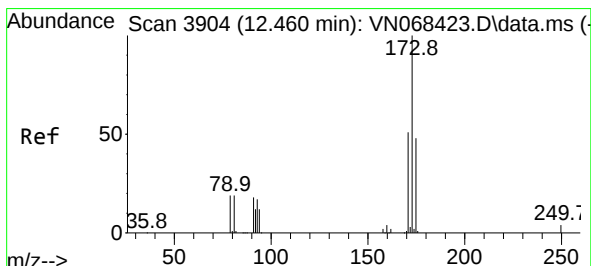
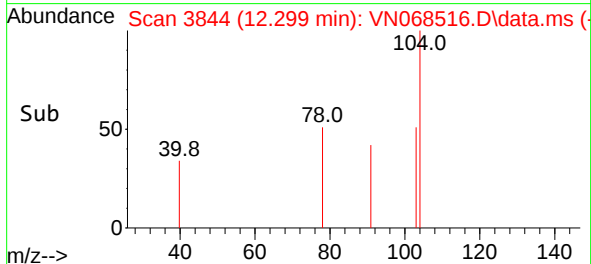
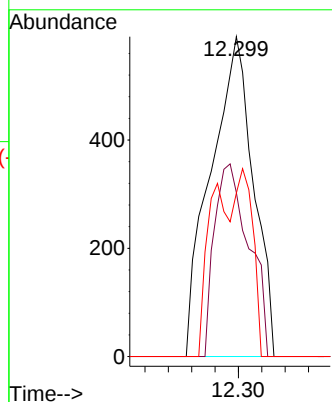
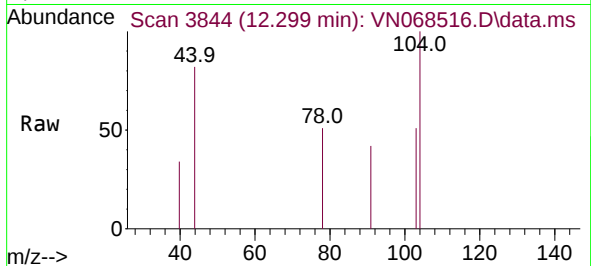




#70
Styrene
Concen: 1.789 ug/l
RT: 12.299 min Scan# 3844
Delta R.T. 0.003 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

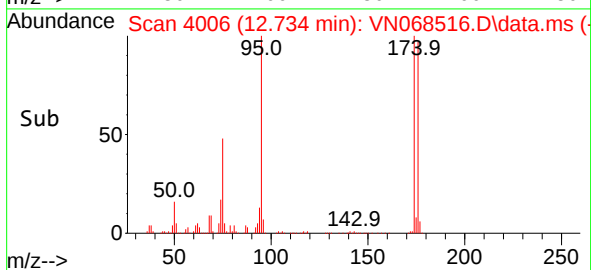
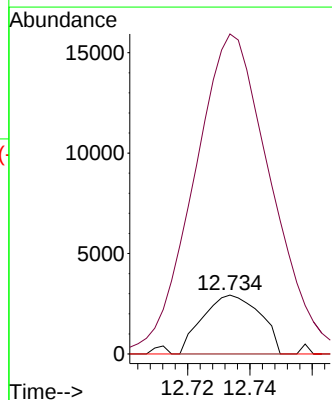
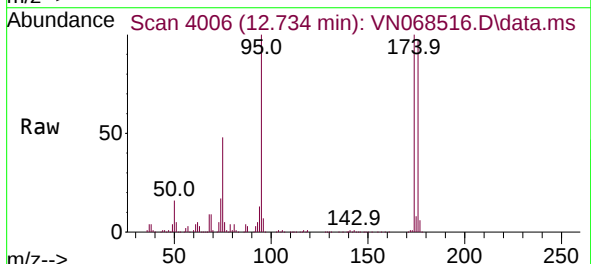
Instrument :
MSVOA_N
ClientSampled :
41264

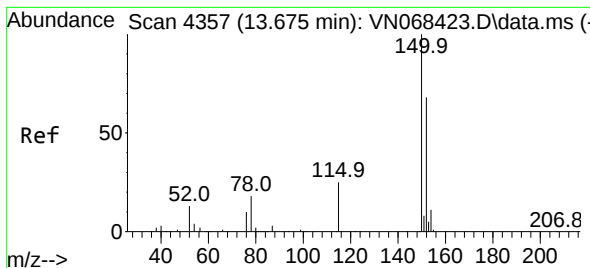
Tgt Ion:104 Resp: 749
Ion Ratio Lower Upper
104 100
78 48.9 36.2 54.2
103 25.0 44.4 66.6#



#71
Bromoform
Concen: 3.056 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

Tgt Ion:173 Resp: 3766
Ion Ratio Lower Upper
173 100
175 661.7 24.1 72.3#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 4358

Delta R.T. 0.003 min

Lab File: VN068516.D

Acq: 17 Sep 2021 13:35

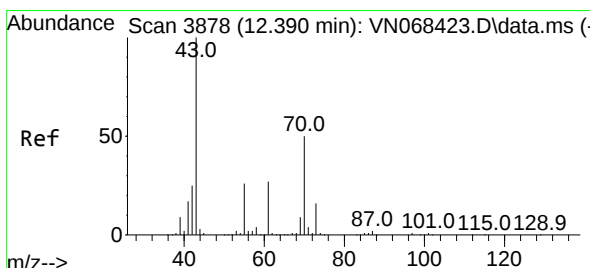
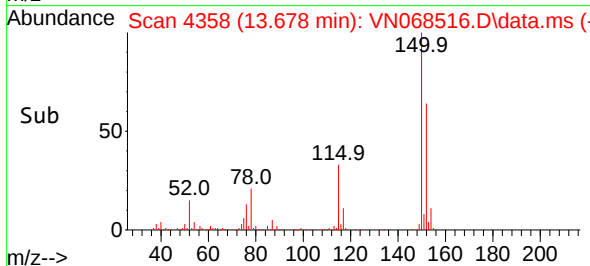
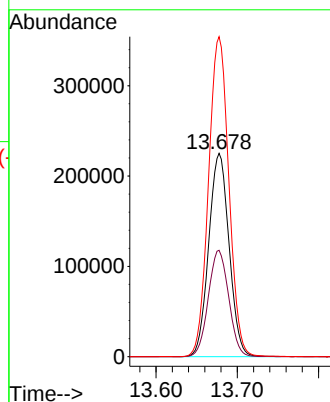
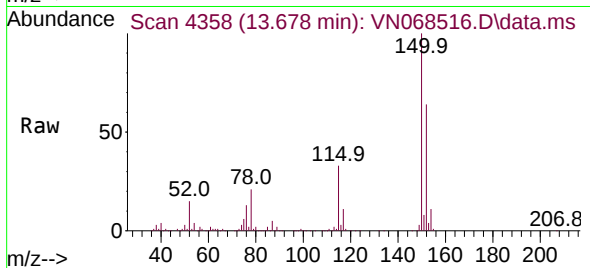
Tgt Ion:152 Resp: 391808

Ion Ratio Lower Upper

152 100

115 52.3 25.6 76.6

150 156.9 0.0 346.8



#74

N-ethyl acetate

Concen: 0.385 ug/l

RT: 12.396 min Scan# 3880

Delta R.T. 0.006 min

Lab File: VN068516.D

Acq: 17 Sep 2021 13:35

Tgt Ion: 43 Resp: 2395

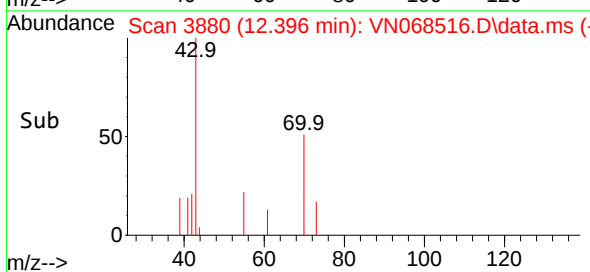
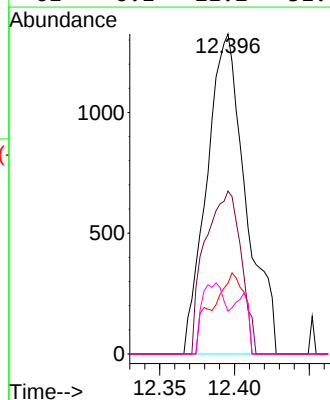
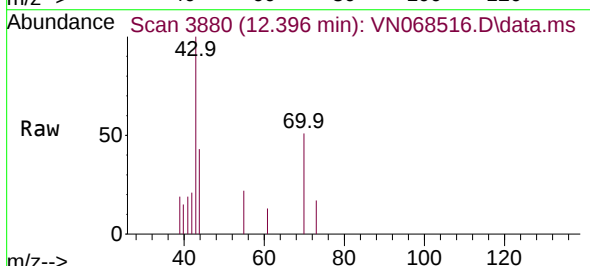
Ion Ratio Lower Upper

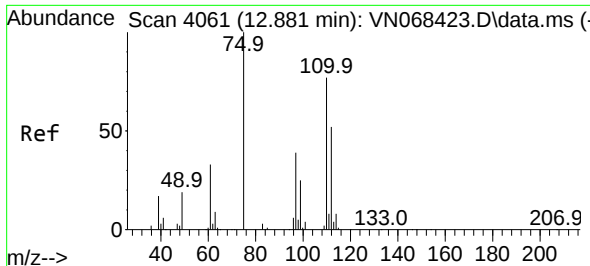
43 100

70 47.1 40.0 60.0

55 21.0 21.1 31.7#

61 6.1 21.2 31.8#

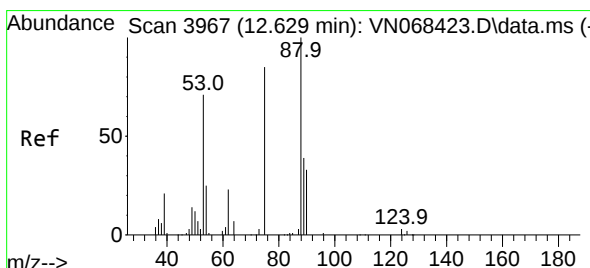
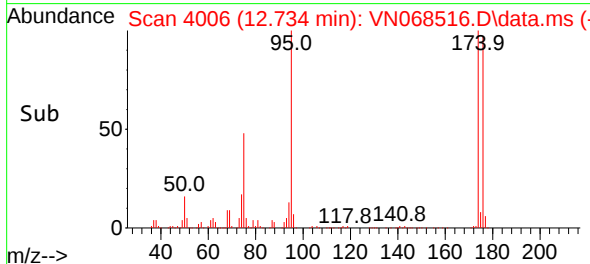
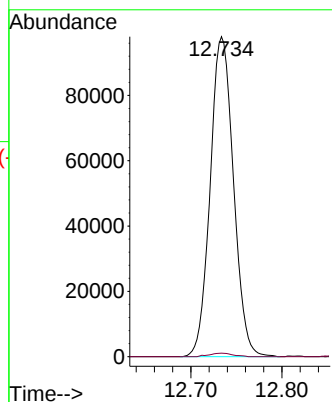
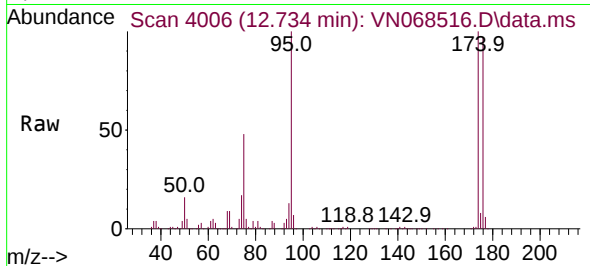




#76
1,2,3-Trichloropropane
Concen: 31.875 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

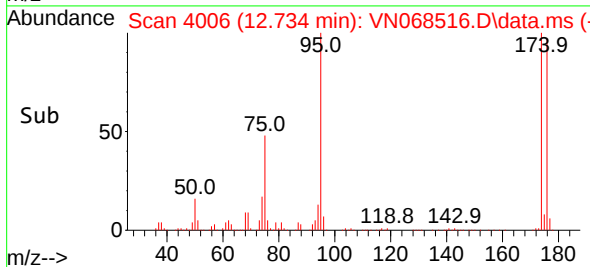
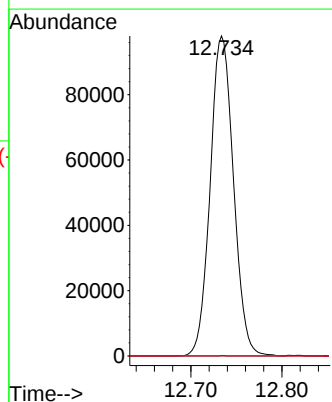
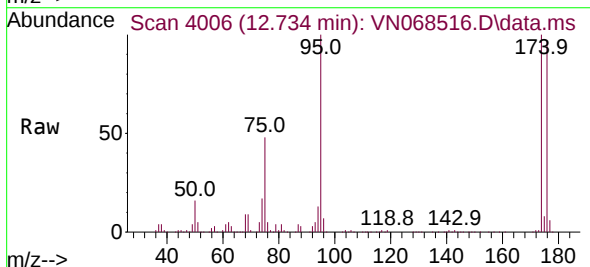
Instrument :
MSVOA_N
ClientSampled :
41264

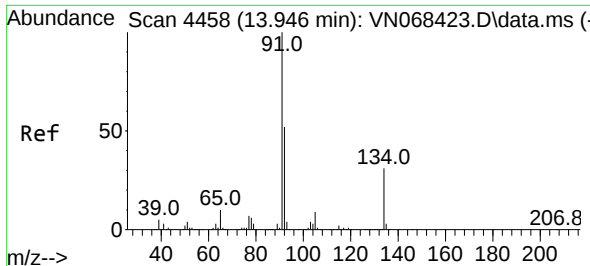
Tgt Ion: 75 Resp: 173889
Ion Ratio Lower Upper
75 100
77 1.1 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.357 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

Tgt Ion: 75 Resp: 173889
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#

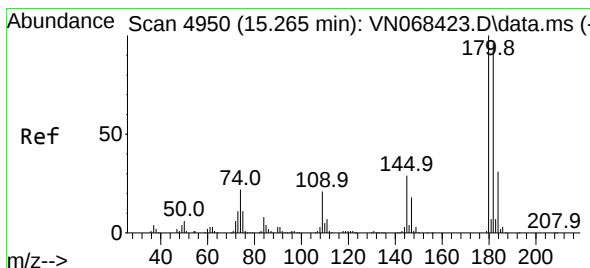
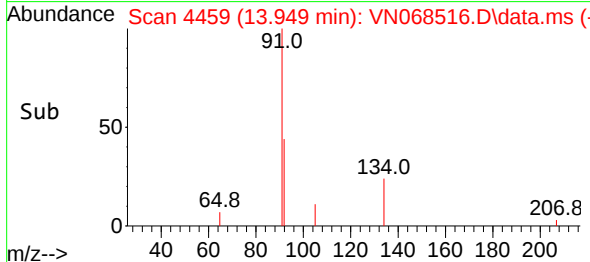
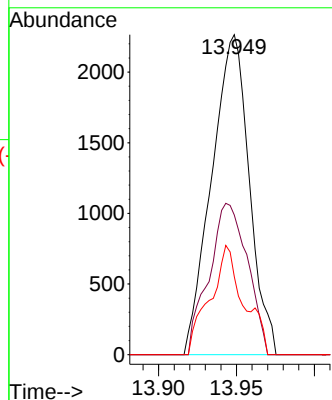
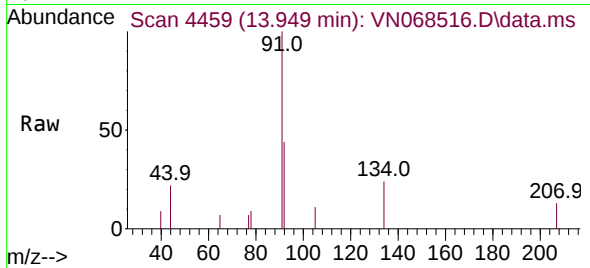




#89
n-Butylbenzene
Concen: 0.227 ug/l
RT: 13.949 min Scan# 4459
Delta R.T. 0.003 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

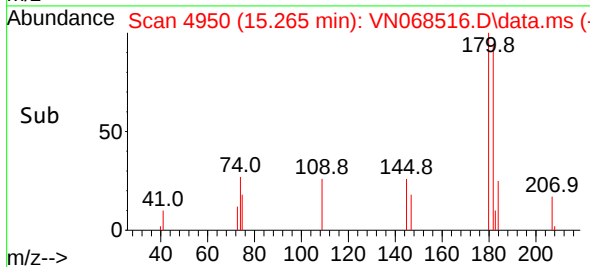
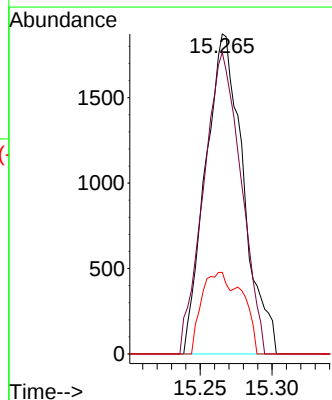
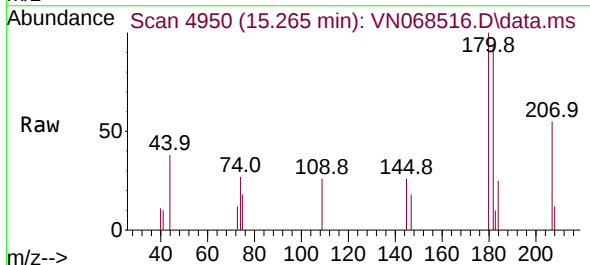
Instrument :
MSVOA_N
ClientSampled :
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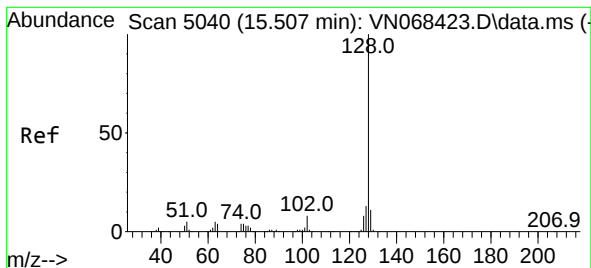
Tgt Ion:	91	Resp:	3800
Ion	Ratio	Lower	Upper
91	100		
92	48.5	26.0	78.0
134	30.7	15.4	46.2



#93
1,2,4-Trichlorobenzene
Concen: 3.398 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

Tgt Ion:	180	Resp:	3415
Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.5	142.6
145	27.3	14.1	42.4

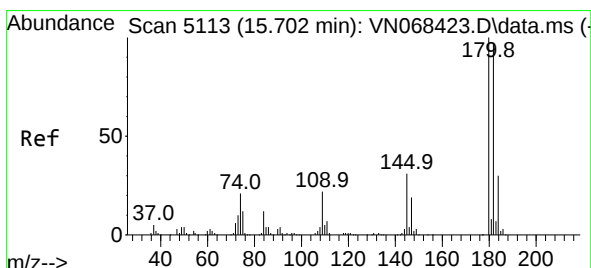
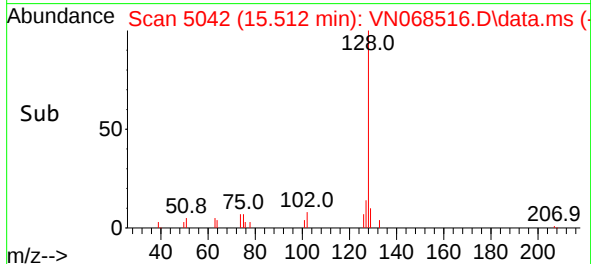
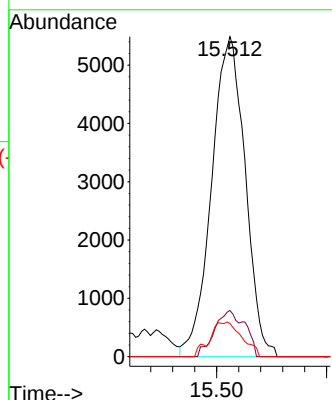
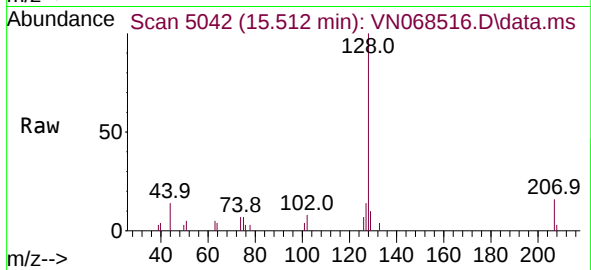




#95
Naphthalene
Concen: 4.194 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

Instrument :
MSVOA_N
ClientSampled :
41264

Tgt Ion:128	Resp:	11627
Ion Ratio	Lower	Upper
128	100	
127	13.0	10.6 15.8
129	10.4	8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 3.535 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN068516.D
Acq: 17 Sep 2021 13:35

Tgt Ion:180	Resp:	4122
Ion Ratio	Lower	Upper
180	100	
182	96.9	47.9 143.6
145	31.4	15.2 45.5

