

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068542.D
 Acq On : 18 Sep 2021 1:50
 Operator : JC/MD
 Sample : M3750-01
 Misc : 6.97g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NAPL-AREA-03-(8-10)ME

Quant Time: Sep 20 05:59:32 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)

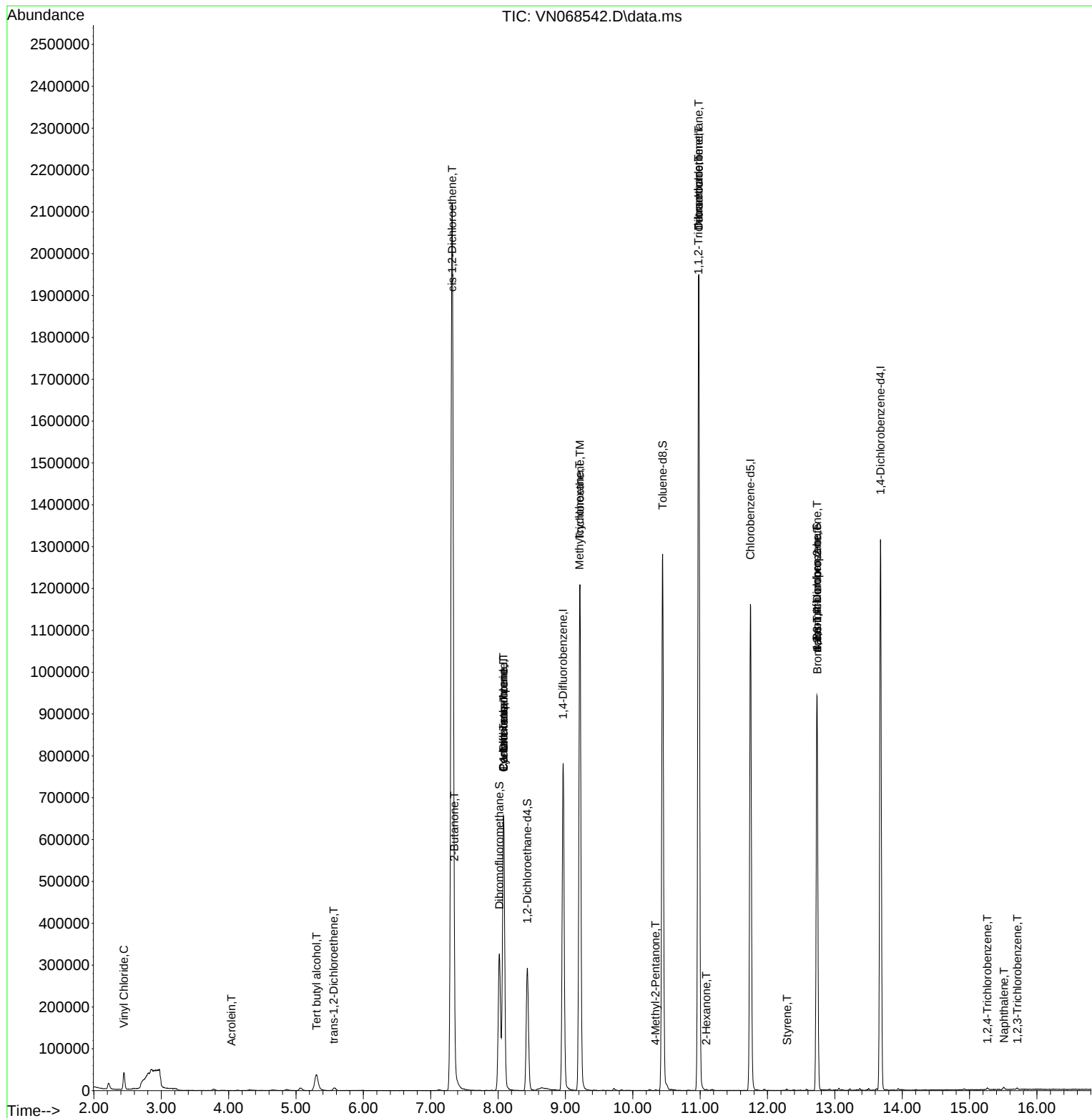
Internal Standards						
1) Pentafluorobenzene	8.080	168	608212	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.965	114	791826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	773294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	401508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	250392	44.880	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.760%		
35) Dibromofluoromethane	8.019	113	239527	50.155	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.300%		
50) Toluene-d8	10.443	98	961867	49.171	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.340%		
62) 4-Bromofluorobenzene	12.734	95	306733	47.715	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.420%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	377	Below Cal	#	42
4) Vinyl Chloride	2.446	62	41590	5.523	ug/l	94
5) Bromomethane	2.802	94	2256	Below Cal		83
11) Tert butyl alcohol	5.305	59	33828	32.523	ug/l #	85
13) Acrolein	4.041	56	115	0.278	ug/l #	73
16) Acetone	4.312	43	2791	Below Cal		89
18) Methyl Acetate	4.859	43	4150	Below Cal	#	72
20) Methylene Chloride	5.077	84	5842	Below Cal		88
21) trans-1,2-Dichloroethene	5.559	96	2346	0.430	ug/l	97
25) 2-Butanone	7.351	43	4756	1.754	ug/l #	1
27) cis-1,2-Dichloroethene	7.319	96	1450696	226.408	ug/l	89
31) Cyclohexane	8.083	56	8430	0.997	ug/l #	34
36) 1,1-Dichloropropene	8.080	75	32813	4.971	ug/l #	47
38) Carbon Tetrachloride	8.080	117	50632	6.402	ug/l #	16
39) Methylcyclohexane	9.210	83	5204	0.623	ug/l #	1
44) Trichloroethene	9.215	130	477199	77.130	ug/l	98
51) 4-Methyl-2-Pentanone	10.339	43	1410	0.279	ug/l #	70
55) 1,1,2-Trichloroethane	10.974	97	3609	0.701	ug/l #	20
59) 2-Hexanone	11.092	43	1649	0.487	ug/l #	48
60) Dibromochloromethane	10.980	129	432630	60.958	ug/l #	11
64) Tetrachloroethene	10.980	164	502889	73.374	ug/l	98
70) Styrene	12.288	104	822	1.798	ug/l #	47
71) Bromoform	12.739	173	3118	3.029	ug/l #	1
76) 1,2,3-Trichloropropane	12.736	75	147351	26.164	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.736	75	147351	81.333	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.265	180	1721	3.175	ug/l	91
95) Naphthalene	15.509	128	6310	3.866	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.708	180	1442	3.166	ug/l	85

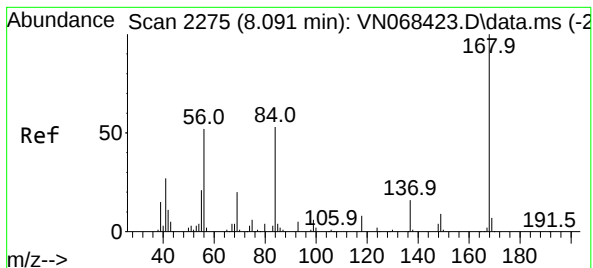
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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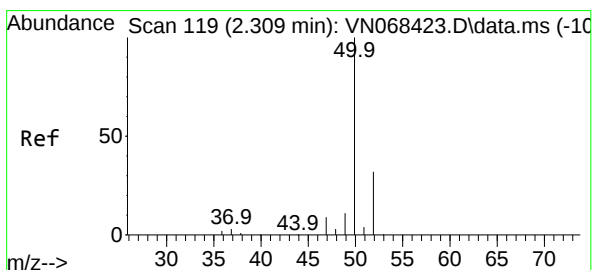
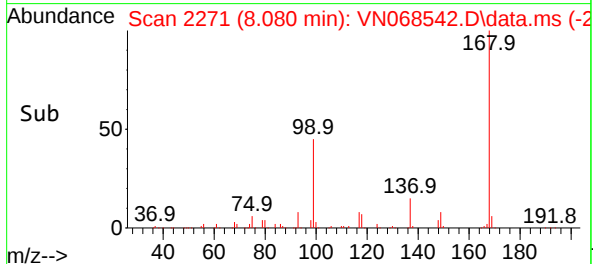
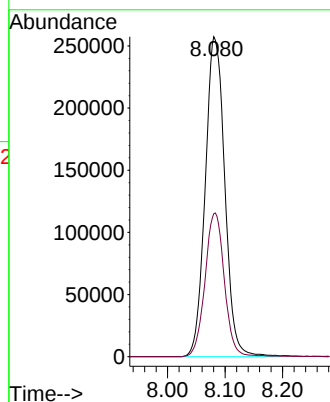
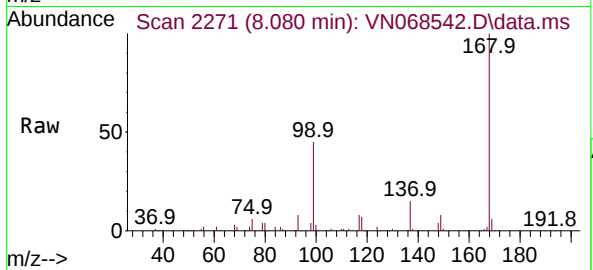




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.011 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

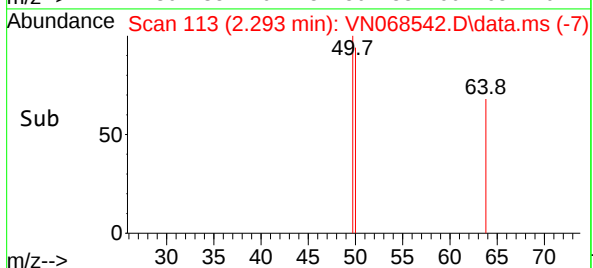
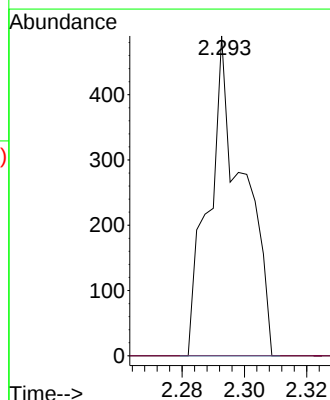
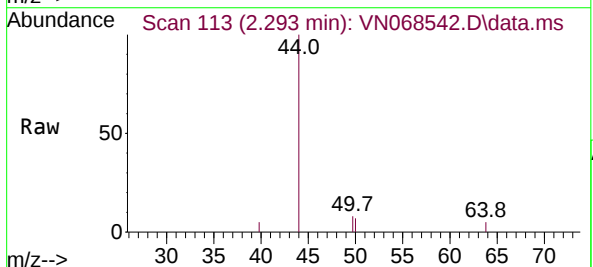
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-03-(8-10)ME

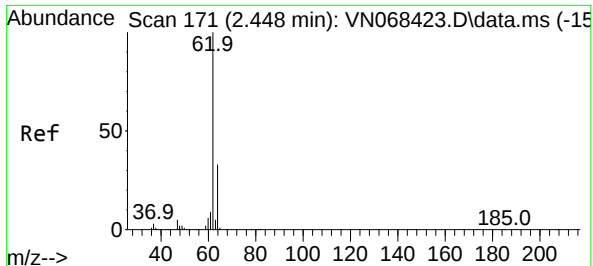
Tgt Ion:168 Resp: 608212
Ion Ratio Lower Upper
168 100
99 44.7 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.293 min Scan# 113
Delta R.T. -0.016 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

Tgt Ion: 50 Resp: 377
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

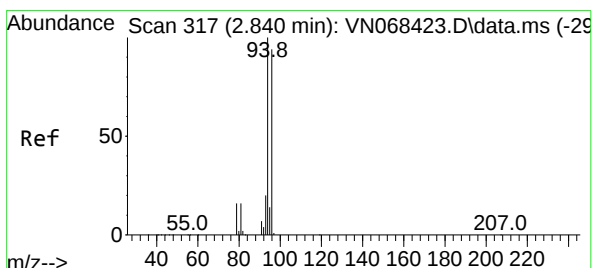
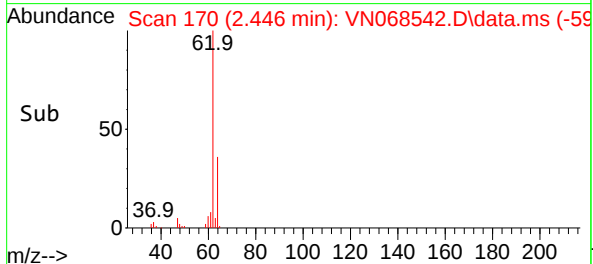
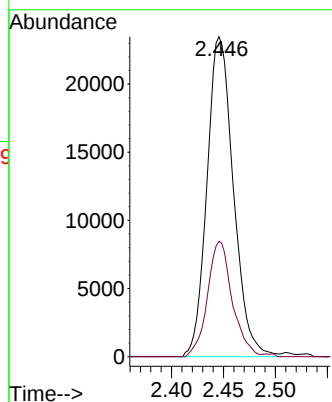
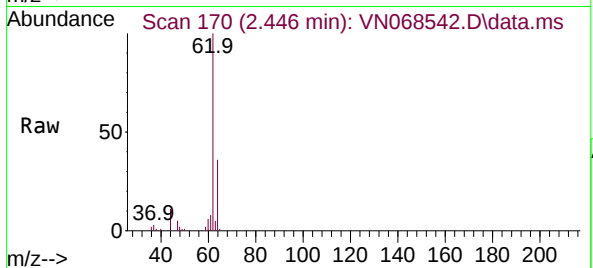




#4
 Vinyl Chloride
 Concen: 5.523 ug/l
 RT: 2.446 min Scan# 170
 Delta R.T. -0.002 min
 Lab File: VN068542.D
 Acq: 18 Sep 2021 1:50

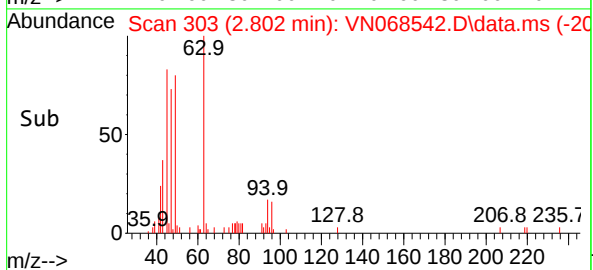
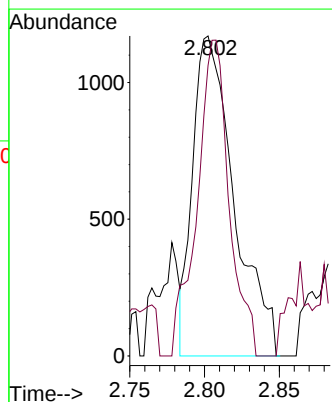
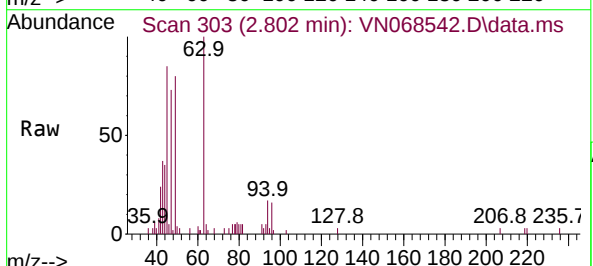
Instrument :
 MSVOA_N
 ClientSampleId :
 NAPL-AREA-03-(8-10)ME

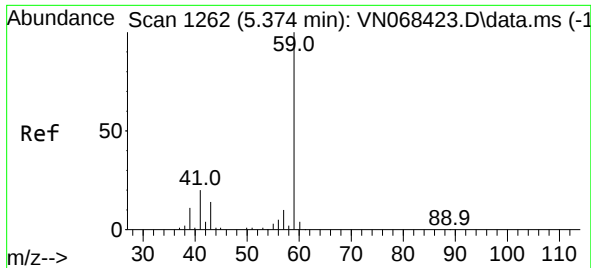
Tgt Ion: 62 Resp: 41590
 Ion Ratio Lower Upper
 62 100
 64 36.0 26.3 39.5



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.802 min Scan# 303
 Delta R.T. -0.038 min
 Lab File: VN068542.D
 Acq: 18 Sep 2021 1:50

Tgt Ion: 94 Resp: 2256
 Ion Ratio Lower Upper
 94 100
 96 77.5 75.4 113.0

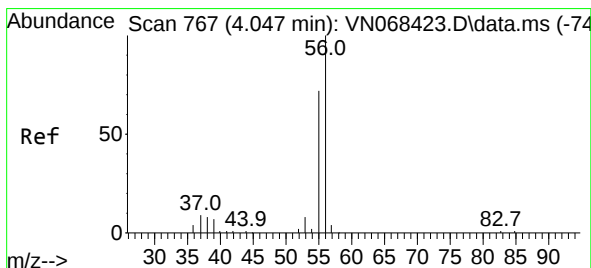
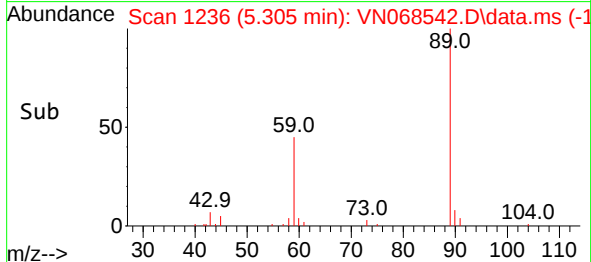
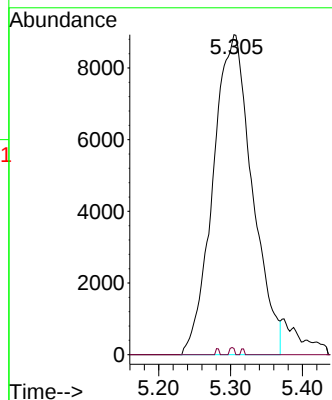
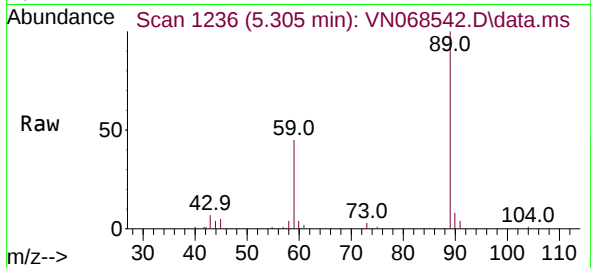




#11
Tert butyl alcohol
Concen: 32.523 ug/l
RT: 5.305 min Scan# 1236
Delta R.T. -0.069 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

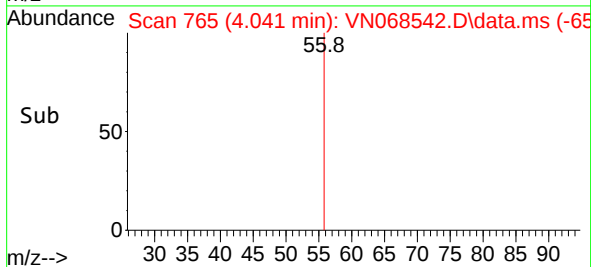
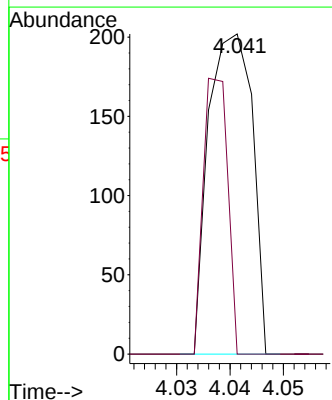
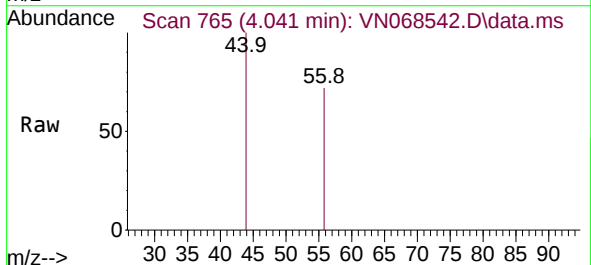
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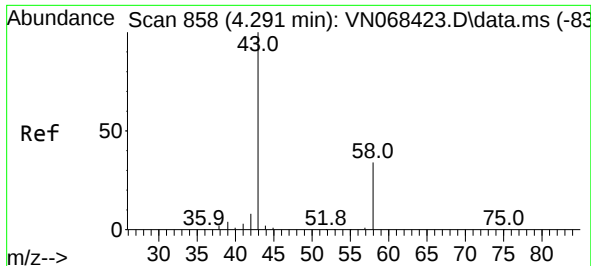
Tgt Ion: 59 Resp: 33828
Ion Ratio Lower Upper
59 100
57 0.3 4.3 6.5#



#13
Acrolein
Concen: 0.278 ug/l
RT: 4.041 min Scan# 765
Delta R.T. -0.006 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 48.7 56.8 85.2#

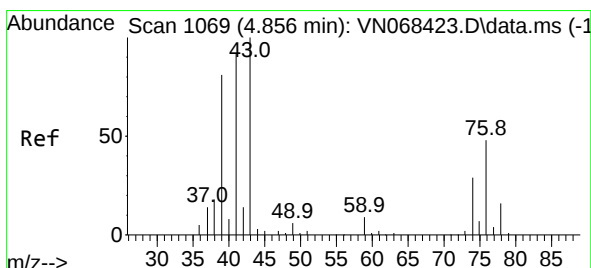
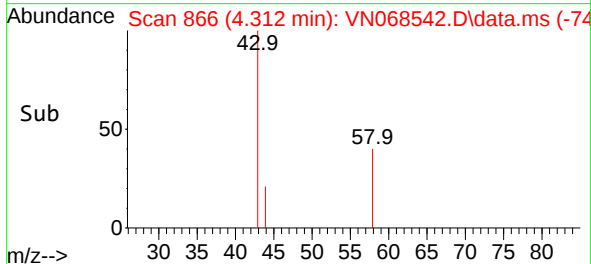
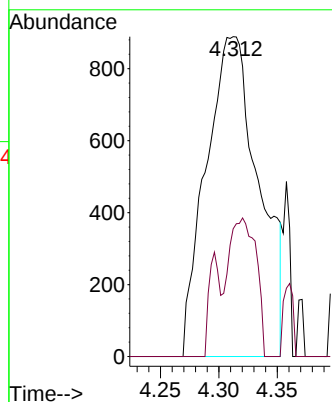
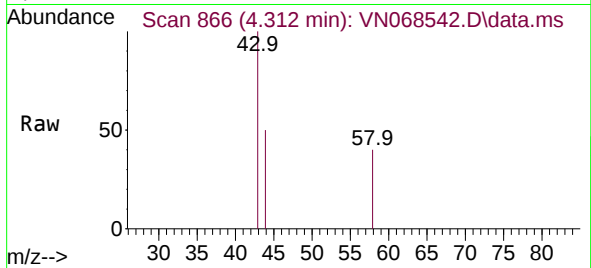




#16
Acetone
Concen: Below Cal
RT: 4.312 min Scan# 866
Delta R.T. 0.021 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

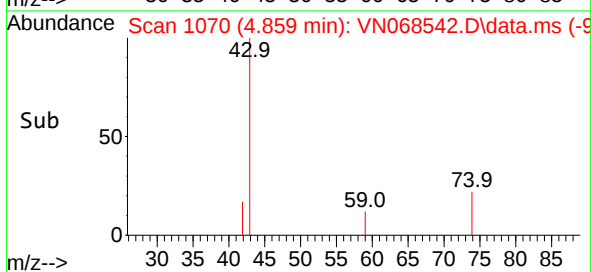
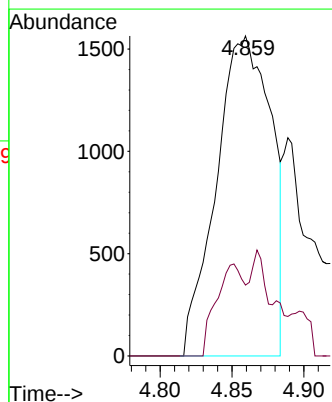
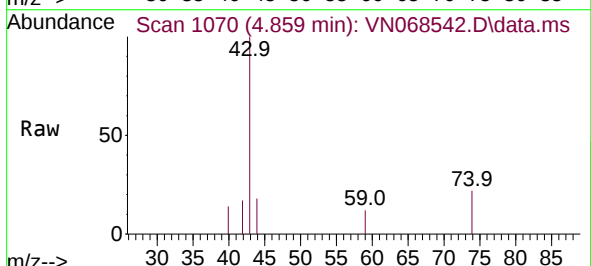
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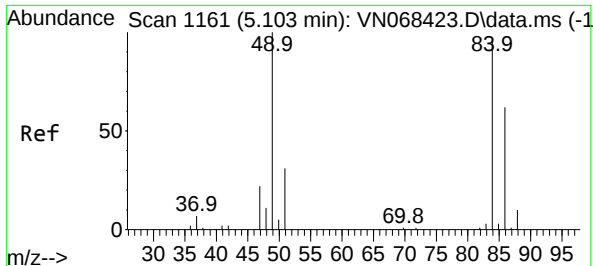
Tgt Ion: 43 Resp: 2791
Ion Ratio Lower Upper
43 100
58 39.9 27.0 40.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.859 min Scan# 1070
Delta R.T. 0.003 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

Tgt Ion: 43 Resp: 4150
Ion Ratio Lower Upper
43 100
74 14.4 23.5 35.3#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.077 min Scan# 1151

Delta R.T. -0.026 min

Lab File: VN068542.D

Acq: 18 Sep 2021 1:50

Tgt Ion: 84 Resp: 5842

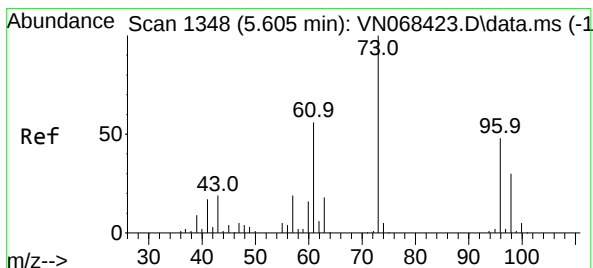
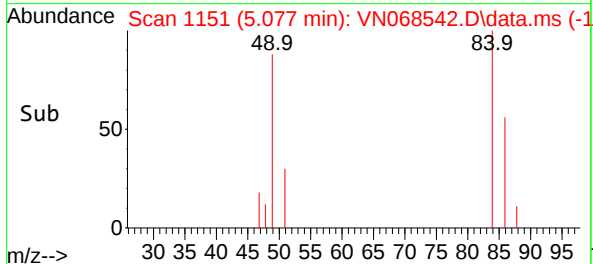
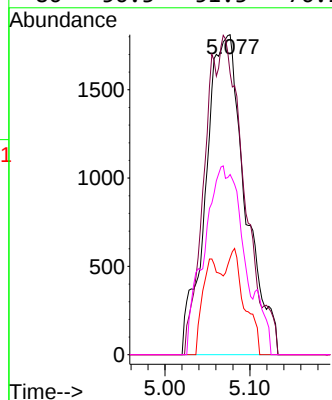
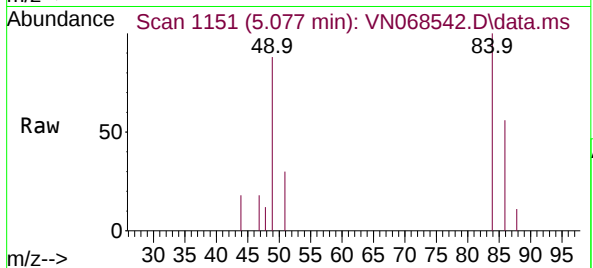
Ion Ratio Lower Upper

84 100

49 88.0 83.0 124.6

51 30.2 25.4 38.0

86 56.3 51.3 76.9



#21

trans-1,2-Dichloroethene

Concen: 0.430 ug/l

RT: 5.559 min Scan# 1331

Delta R.T. -0.046 min

Lab File: VN068542.D

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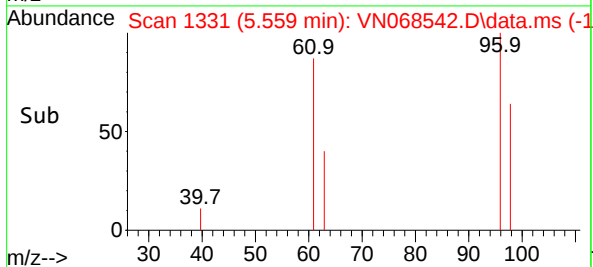
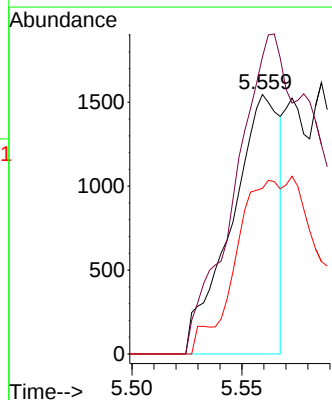
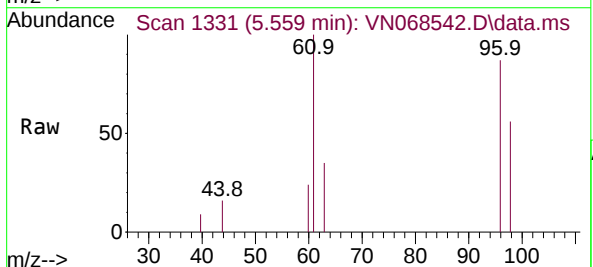
Tgt Ion: 96 Resp: 2346

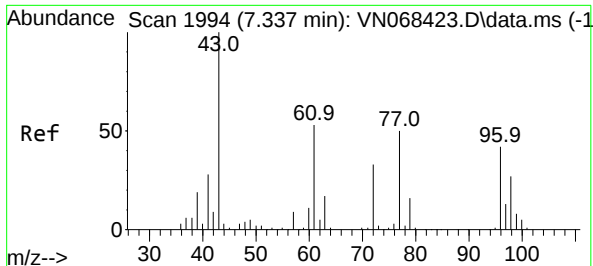
Ion Ratio Lower Upper

96 100

61 114.5 94.6 142.0

98 63.8 50.2 75.4





#25

2-Butanone

Concen: 1.754 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.014 min

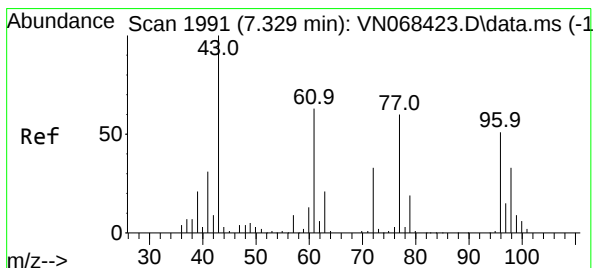
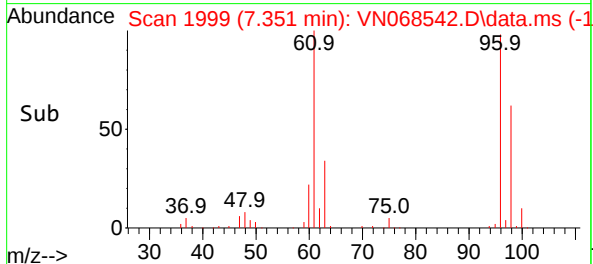
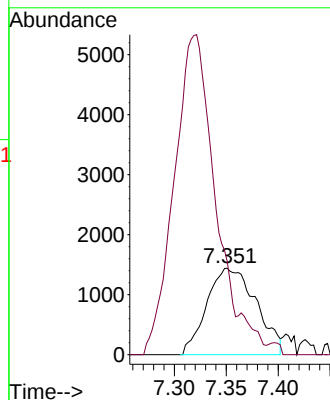
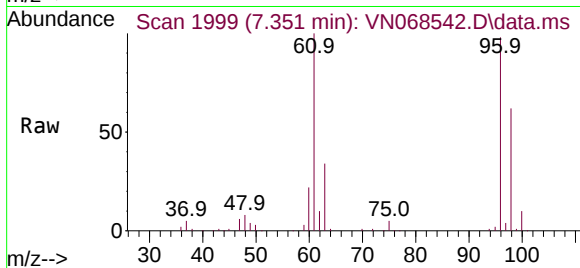
Lab File: VN068542.D

Acq: 18 Sep 2021 1:50

Tgt Ion: 43 Resp: 4756

Ion Ratio Lower Upper

43	100		
72	96.3	26.7	40.1#



#27

cis-1,2-Dichloroethene

Concen: 226.408 ug/l

RT: 7.319 min Scan# 1987

Delta R.T. -0.010 min

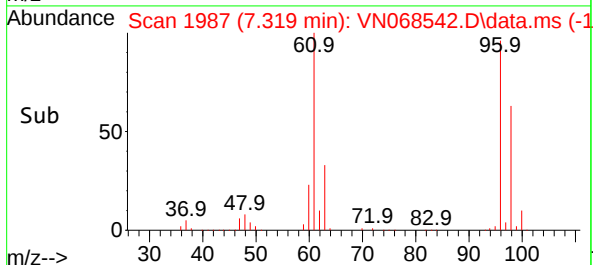
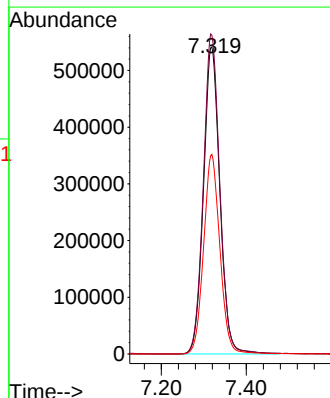
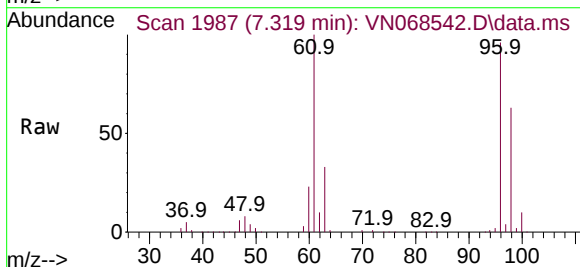
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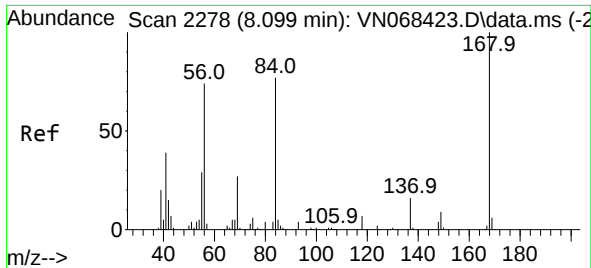
Acq: 18 Sep 2021 1:50

Tgt Ion: 96 Resp: 1450696

Ion Ratio Lower Upper

96	100		
61	104.8	0.0	246.4
98	64.5	0.0	130.4

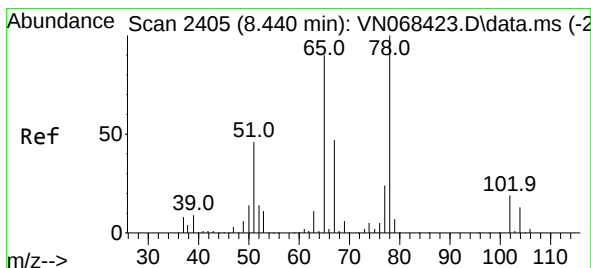
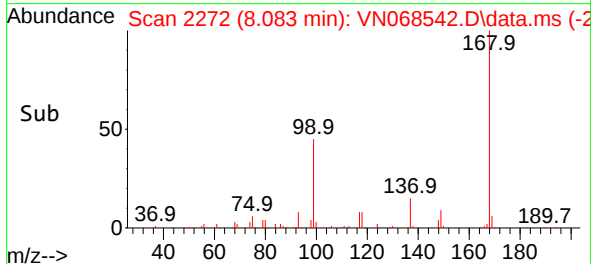
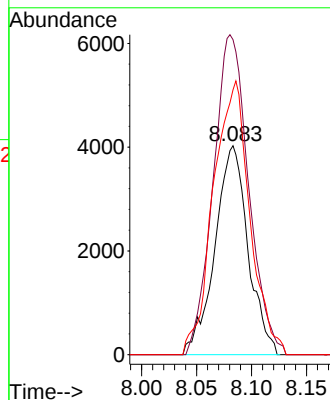
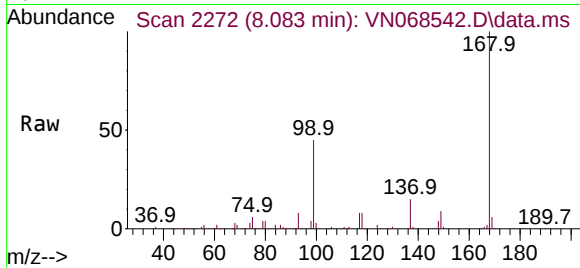




#31
Cyclohexane
Concen: 0.997 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.016 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

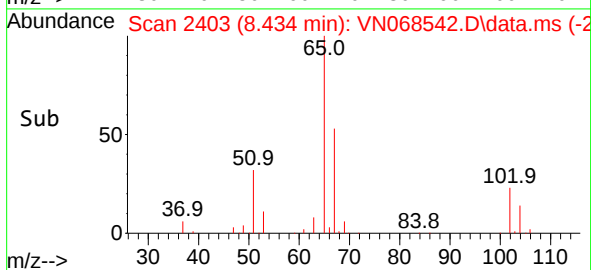
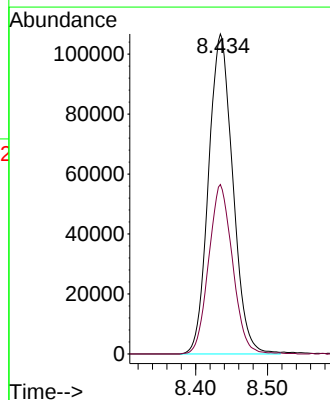
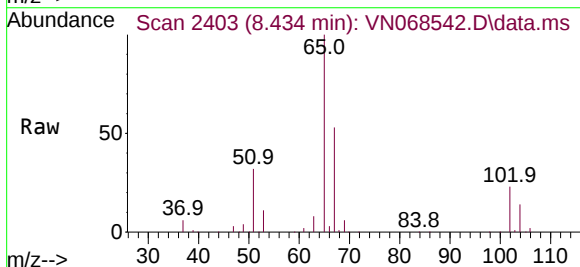
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-03-(8-10)ME

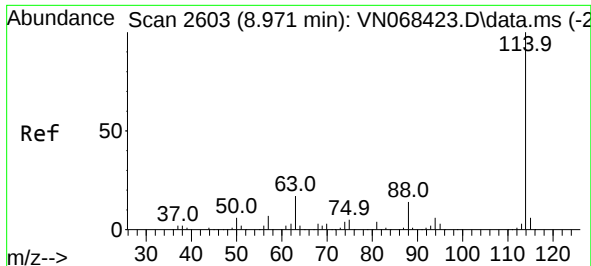
Tgt Ion: 56 Resp: 8430
Ion Ratio Lower Upper
56 100
69 150.7 29.4 44.0#
84 126.7 83.6 125.4#



#33
1,2-Dichloroethane-d4
Concen: 44.880 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

Tgt Ion: 65 Resp: 250392
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.0

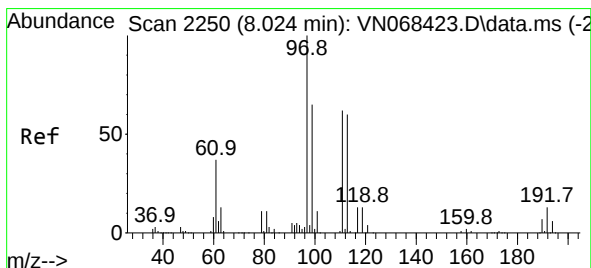
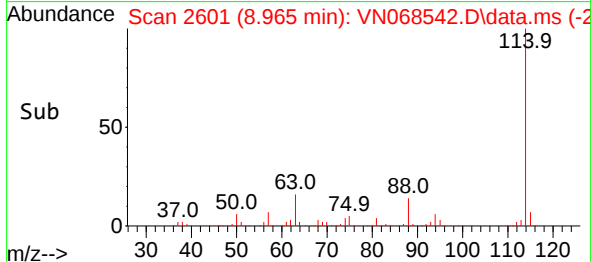
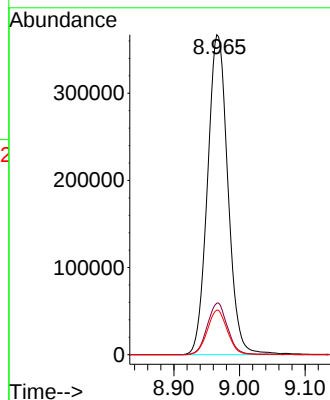
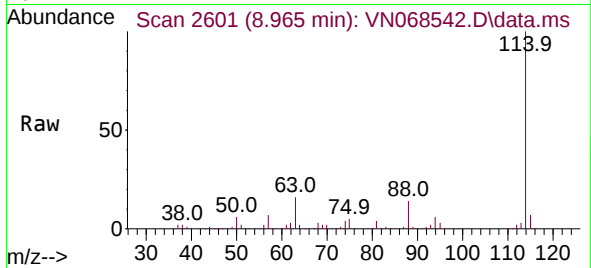




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.006 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

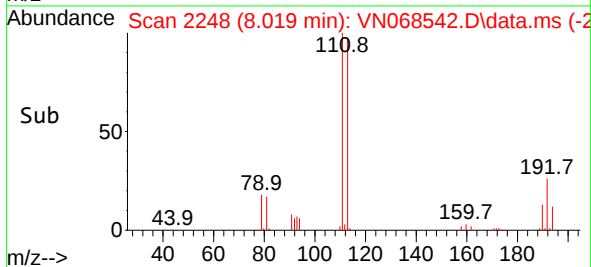
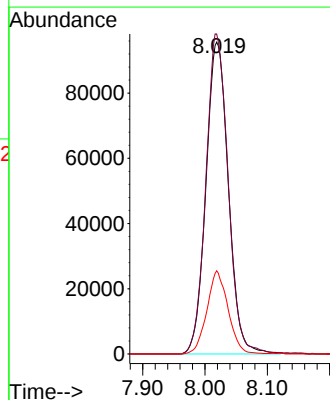
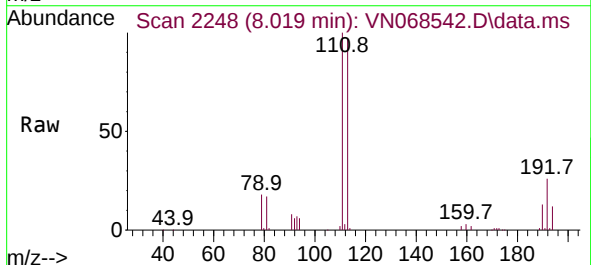
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-03-(8-10)ME

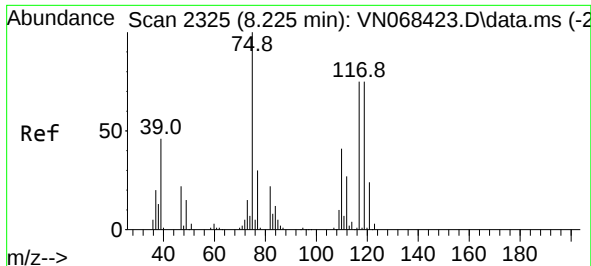
Tgt Ion:114 Resp: 791826
Ion Ratio Lower Upper
114 100
63 16.1 0.0 33.2
88 13.9 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.155 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.005 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

Tgt Ion:113 Resp: 239527
Ion Ratio Lower Upper
113 100
111 101.7 81.1 121.7
192 25.2 17.7 26.5

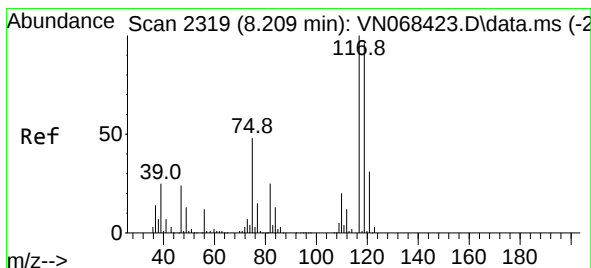
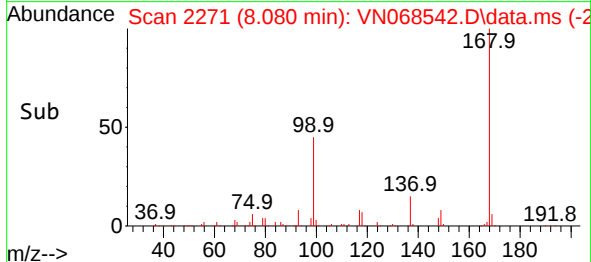
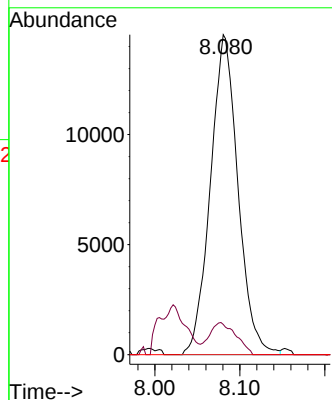
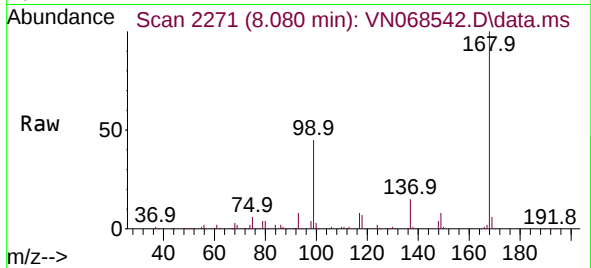




#36
1,1-Dichloropropene
Concen: 4.971 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.145 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

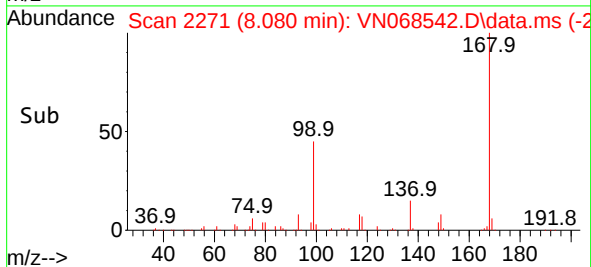
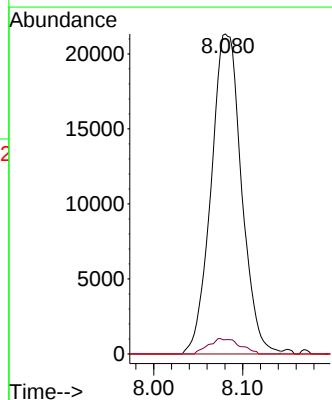
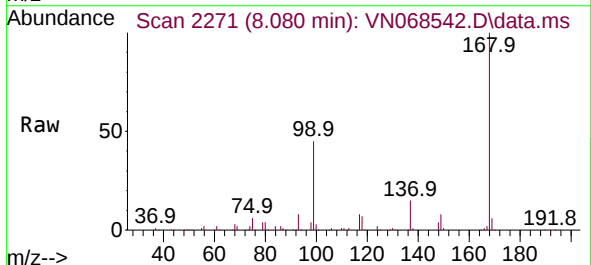
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-03-(8-10)ME

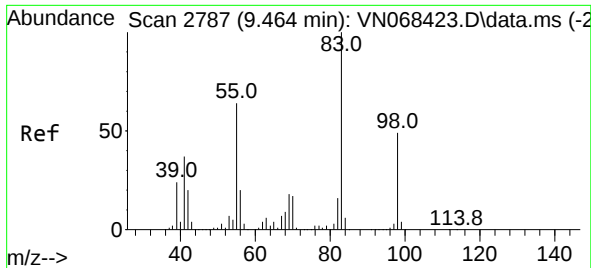
Tgt Ion: 75 Resp: 32813
Ion Ratio Lower Upper
75 100
110 9.8 20.8 62.5#
77 0.0 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 6.402 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.129 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

Tgt Ion: 117 Resp: 50632
Ion Ratio Lower Upper
117 100
119 4.4 76.6 114.8#
121 0.0 24.5 36.7#

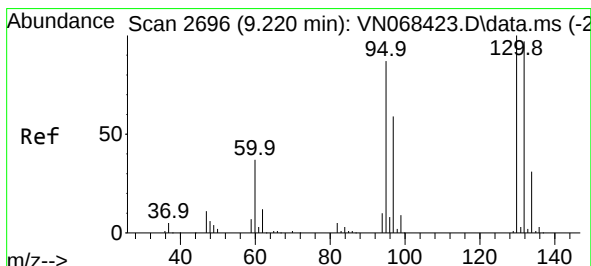
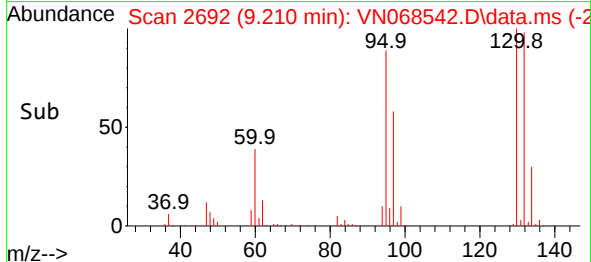
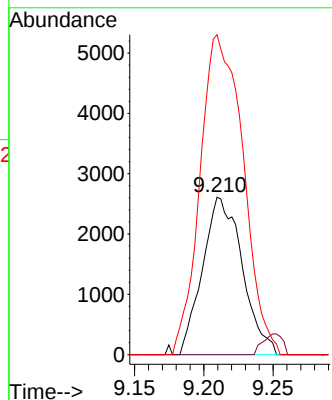
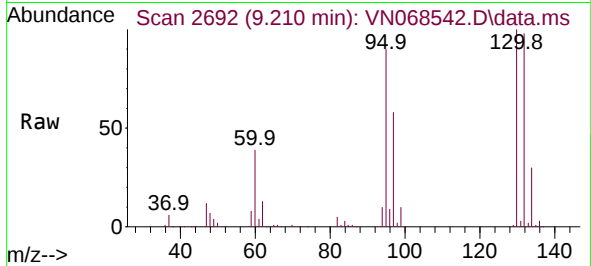




#39
Methylcyclohexane
Concen: 0.623 ug/l
RT: 9.210 min Scan# 2692
Delta R.T. -0.255 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

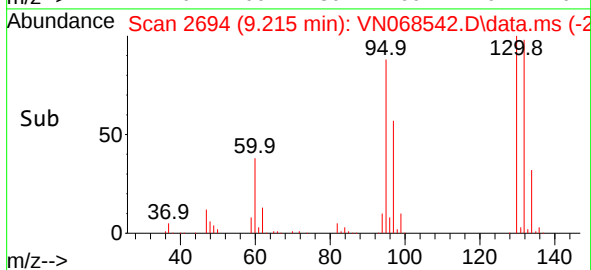
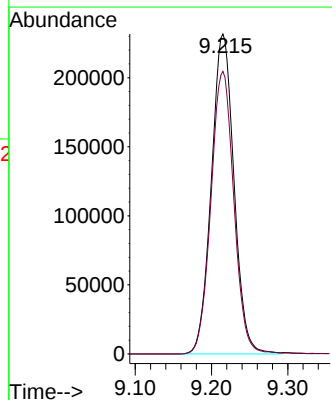
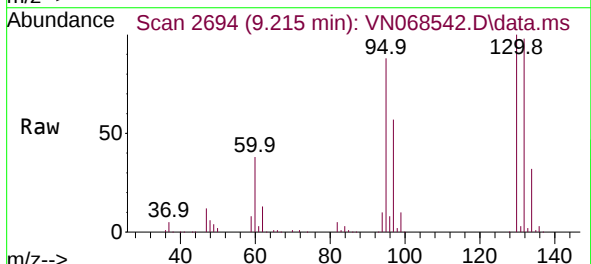
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-03-(8-10)ME

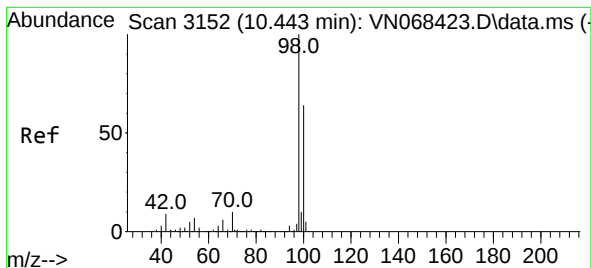
Tgt Ion: 83 Resp: 5204
Ion Ratio Lower Upper
83 100
55 0.0 51.0 76.4#
98 203.2 39.5 59.3#



#44
Trichloroethene
Concen: 77.130 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.005 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

Tgt Ion:130 Resp: 477199
Ion Ratio Lower Upper
130 100
95 88.3 0.0 173.8

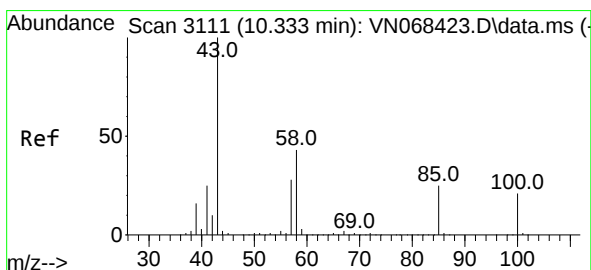
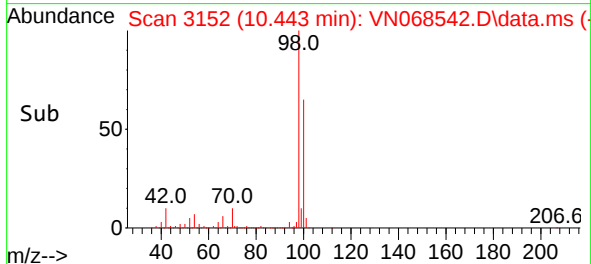
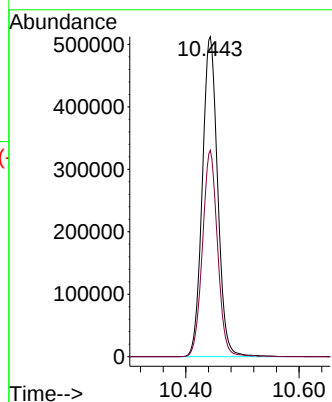
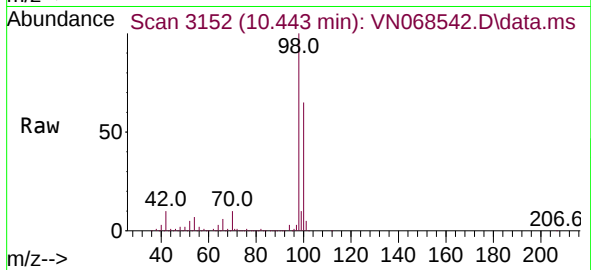




#50
Toluene-d8
Concen: 49.171 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

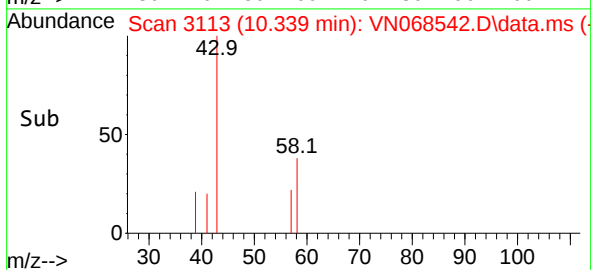
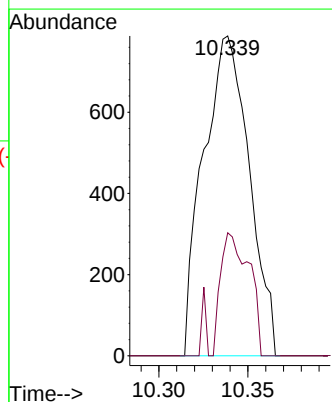
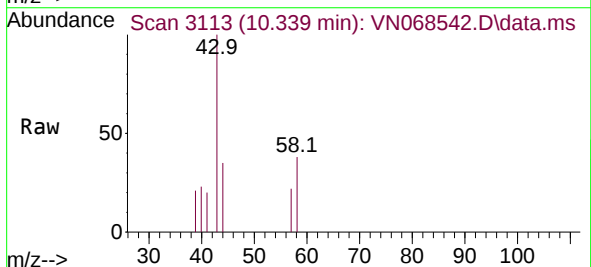
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-03-(8-10)ME

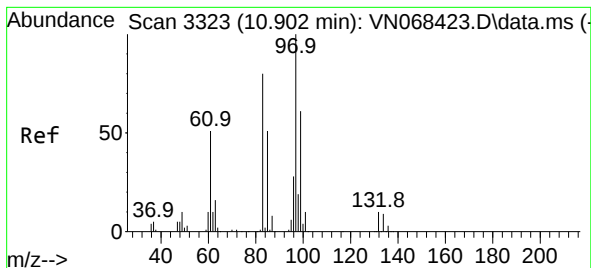
Tgt Ion: 98 Resp: 961867
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 0.279 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

Tgt Ion: 43 Resp: 1410
Ion Ratio Lower Upper
43 100
58 23.9 34.3 51.5#

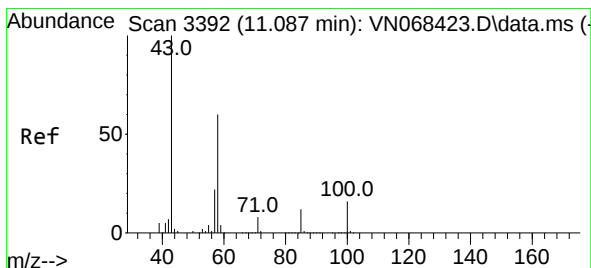
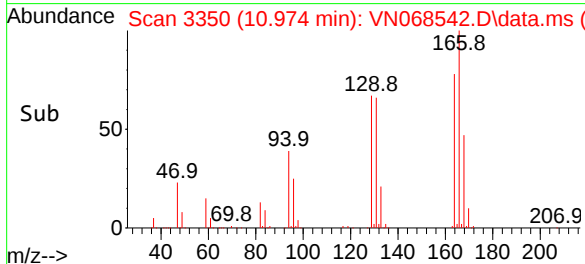
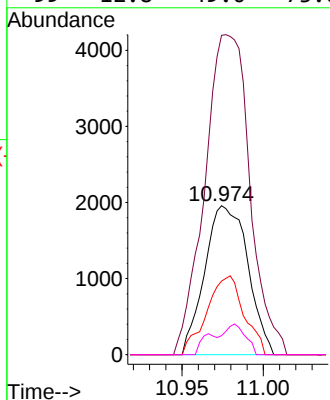
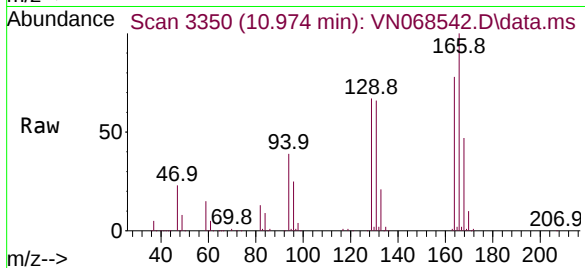




#55
1,1,2-Trichloroethane
Concen: 0.701 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. 0.072 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

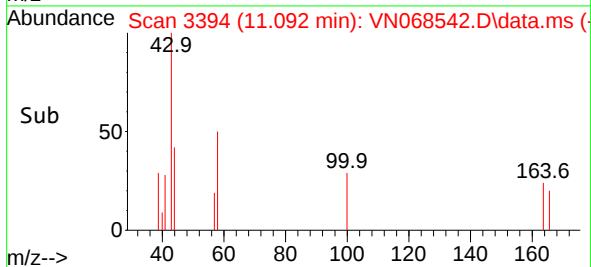
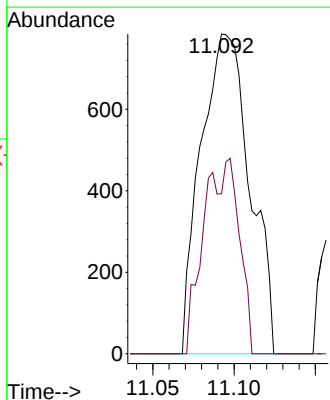
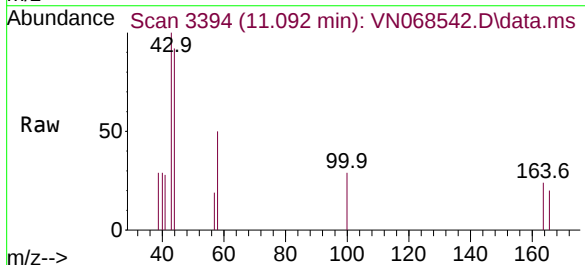
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-03-(8-10)ME

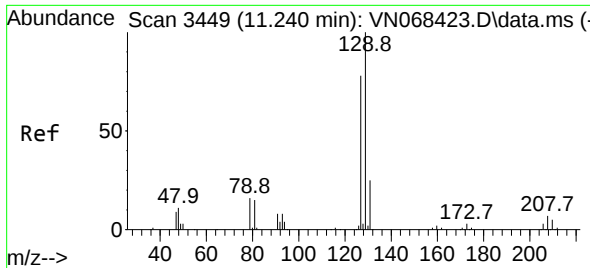
Tgt Ion: 97	Resp: 3609
Ion Ratio	Lower Upper
97 100	
83 204.8	63.7 95.5#
85 49.4	40.7 61.1
99 12.8	49.0 73.6#



#59
2-Hexanone
Concen: 0.487 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

Tgt Ion: 43	Resp: 1649
Ion Ratio	Lower Upper
43 100	
58 21.0	30.0 90.1#

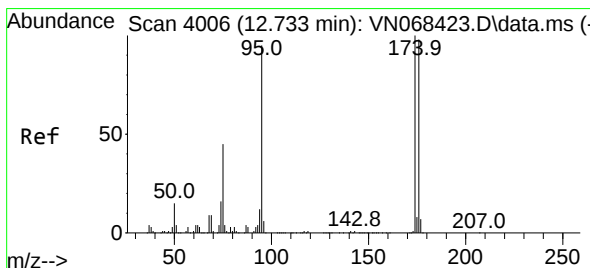
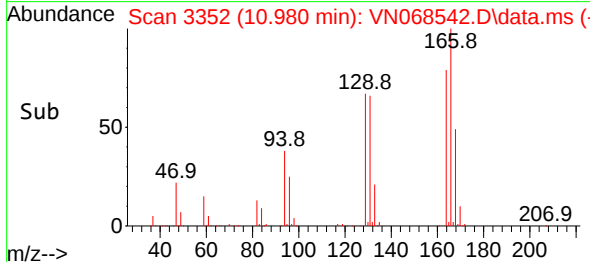
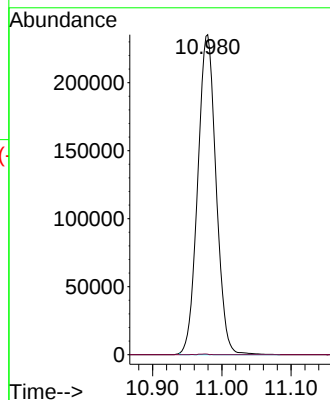
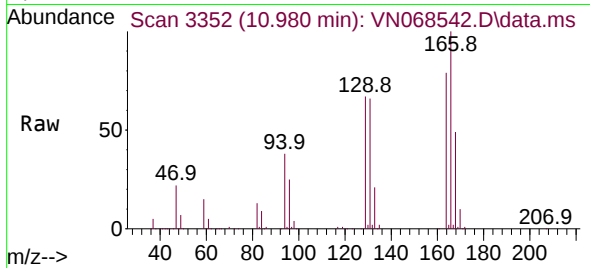




#60
Dibromochloromethane
Concen: 60.958 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.260 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

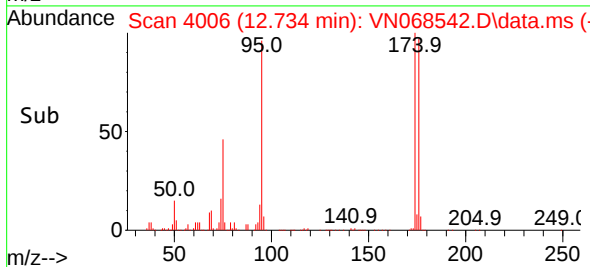
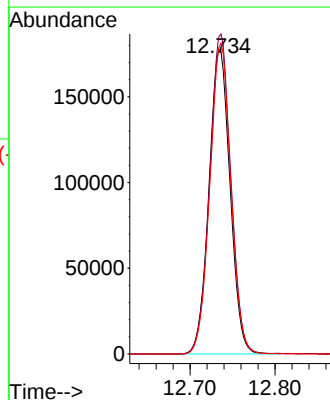
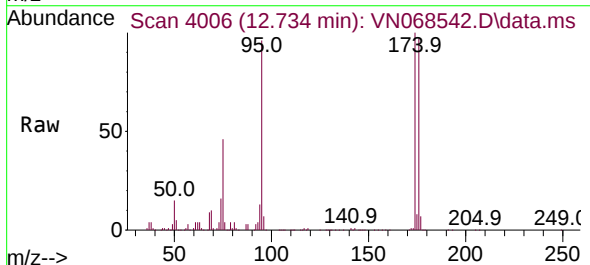
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-03-(8-10)ME

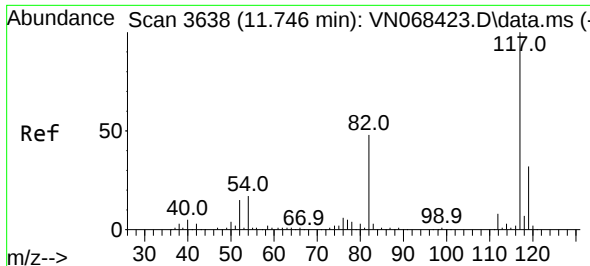
Tgt Ion:129 Resp: 432630
Ion Ratio Lower Upper
129 100
127 0.1 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 47.715 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

Tgt Ion: 95 Resp: 306733
Ion Ratio Lower Upper
95 100
174 105.5 0.0 214.0
176 101.3 0.0 205.4

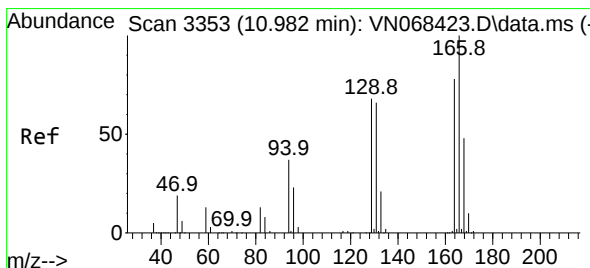
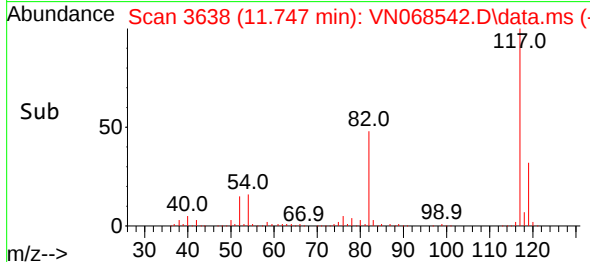
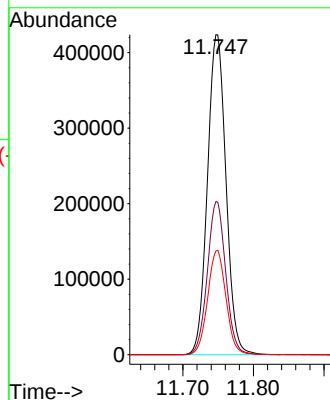
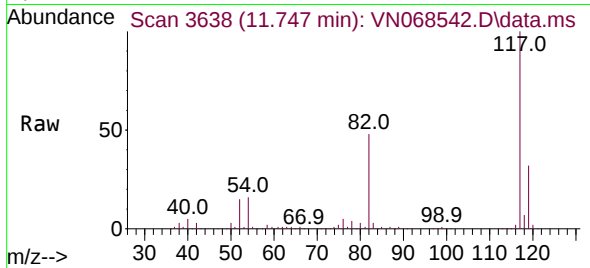




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

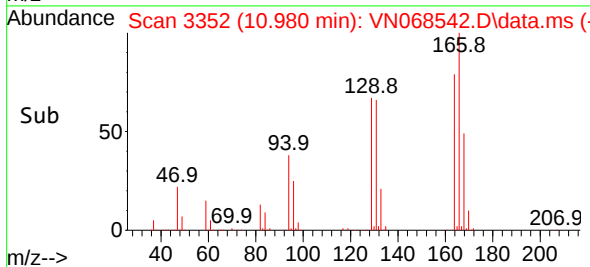
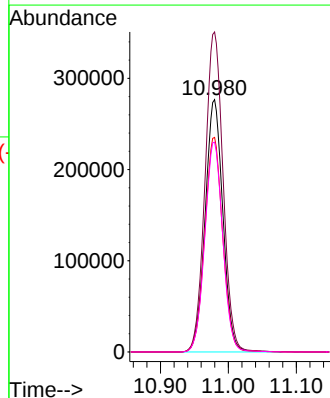
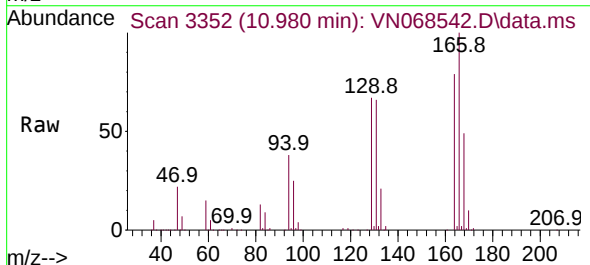
Instrument :
MSVOA_N
ClientSampleId :
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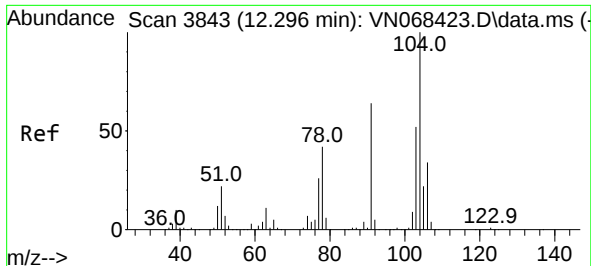
Tgt Ion:117 Resp: 773294
Ion Ratio Lower Upper
117 100
82 47.9 38.7 58.1
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 73.374 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.002 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

Tgt Ion:164 Resp: 502889
Ion Ratio Lower Upper
164 100
166 126.8 102.9 154.3
129 85.1 70.1 105.1
131 83.2 67.8 101.6

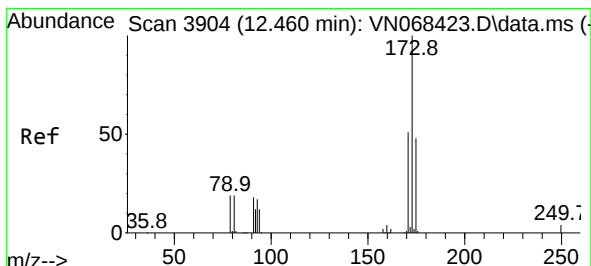
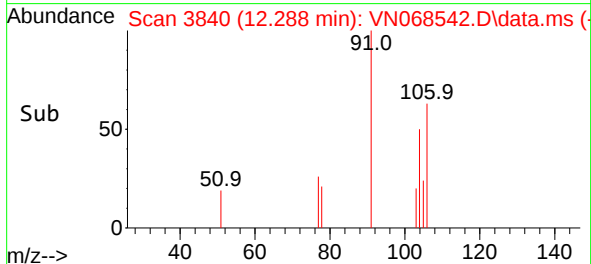
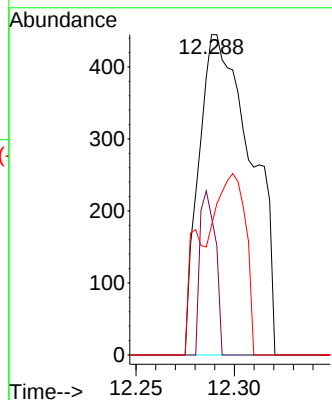
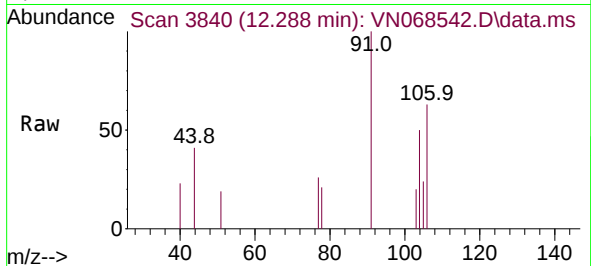




#70
Styrene
Concen: 1.798 ug/l
RT: 12.288 min Scan# 3840
Delta R.T. -0.008 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

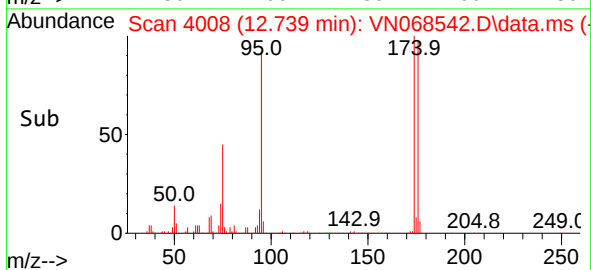
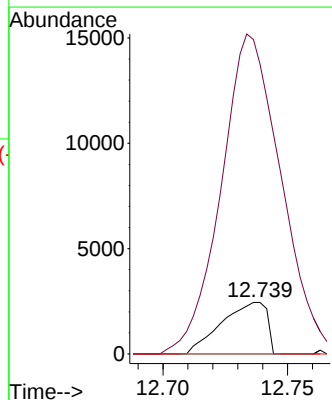
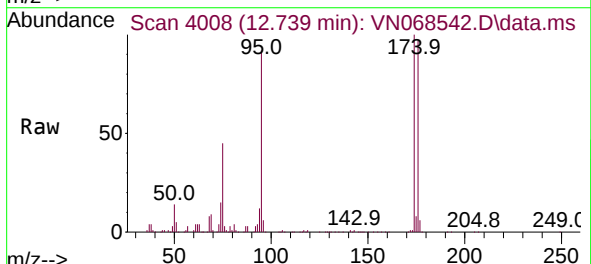
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-03-(8-10)ME

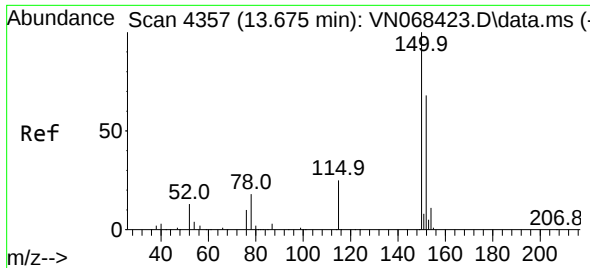
Tgt Ion:104 Resp: 822
Ion Ratio Lower Upper
104 100
78 15.1 36.2 54.2#
103 12.7 44.4 66.6#



#71
Bromoform
Concen: 3.029 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.279 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

Tgt Ion:173 Resp: 3118
Ion Ratio Lower Upper
173 100
175 735.3 24.1 72.3#
254 0.0 0.0 0.0

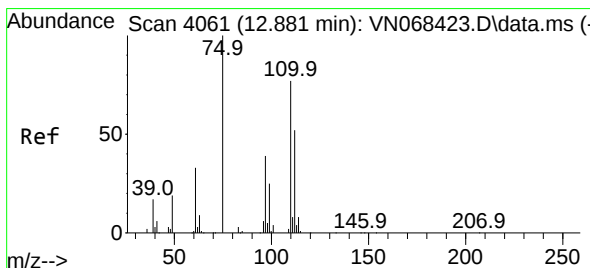
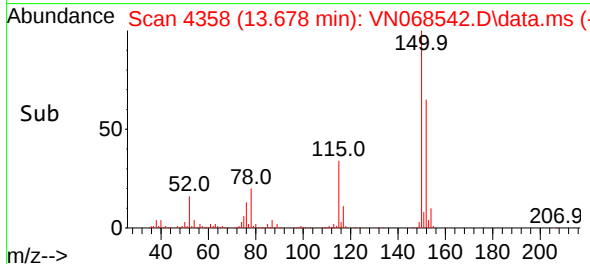
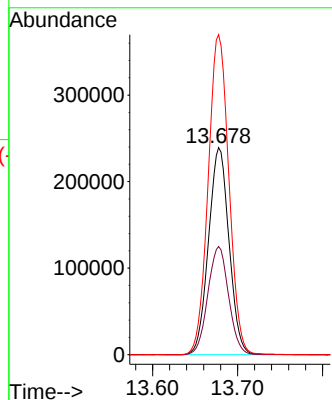
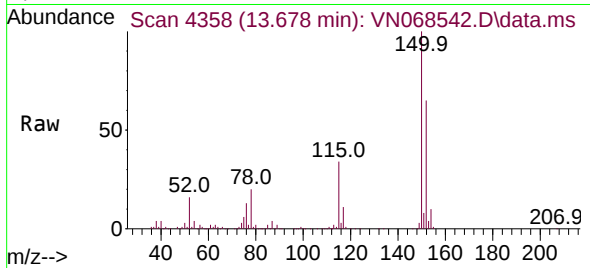




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

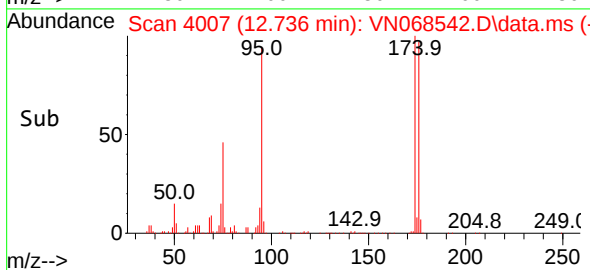
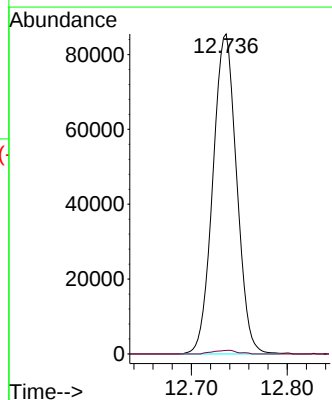
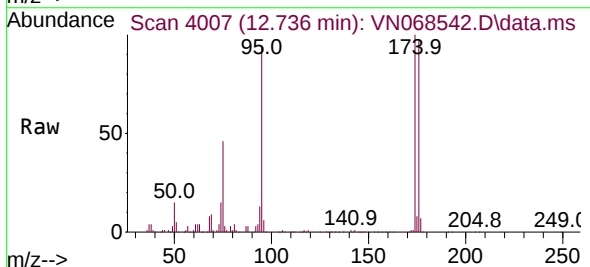
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-03-(8-10)ME

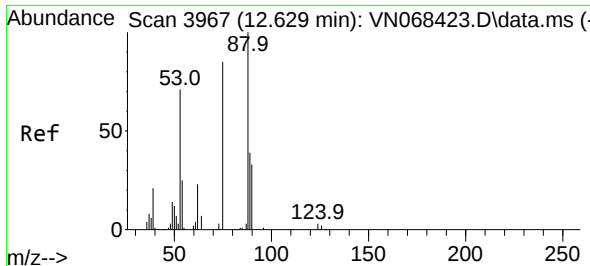
Tgt Ion:152 Resp: 401508
Ion Ratio Lower Upper
152 100
115 52.8 25.6 76.6
150 155.8 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 26.164 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.145 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

Tgt Ion: 75 Resp: 147351
Ion Ratio Lower Upper
75 100
77 1.2 100.9 302.7#

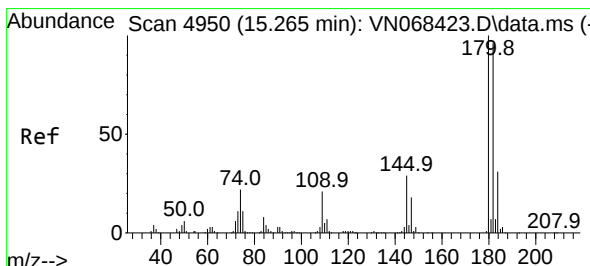
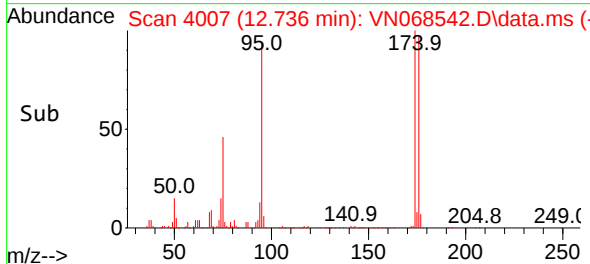
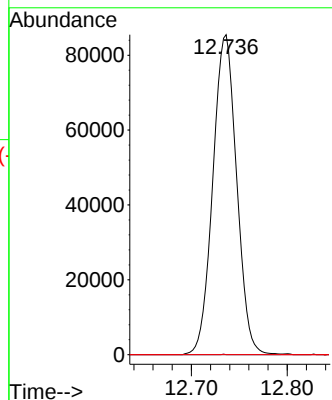
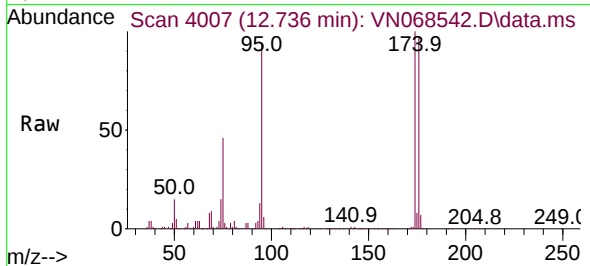




#81
trans-1,4-Dichloro-2-butene
Concen: 81.333 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

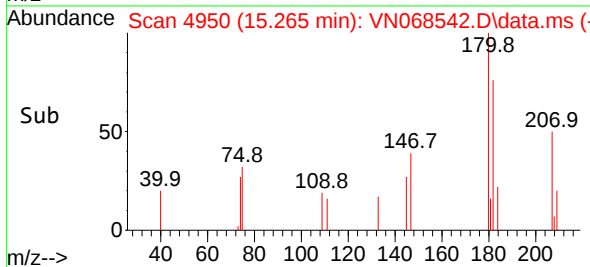
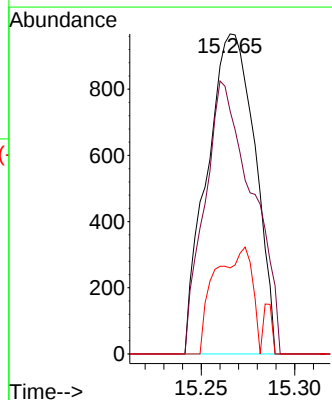
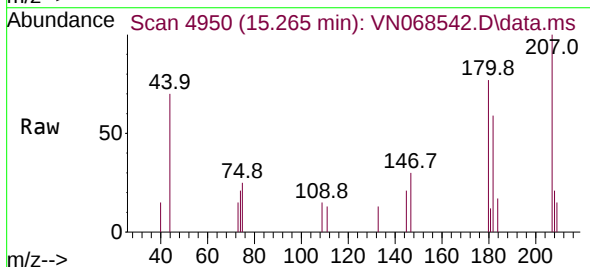
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-03-(8-10)ME

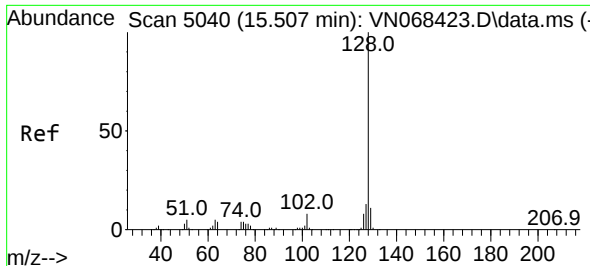
Tgt Ion: 75 Resp: 147351
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#93
1,2,4-Trichlorobenzene
Concen: 3.175 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

Tgt Ion:180 Resp: 1721
Ion Ratio Lower Upper
180 100
182 84.5 47.5 142.6
145 25.8 14.1 42.4

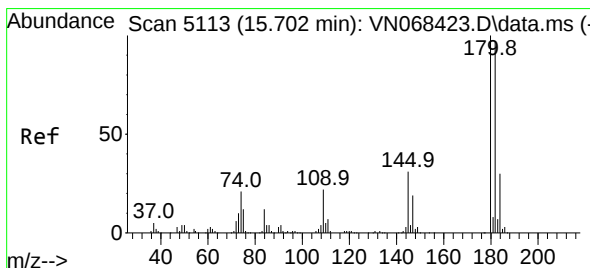
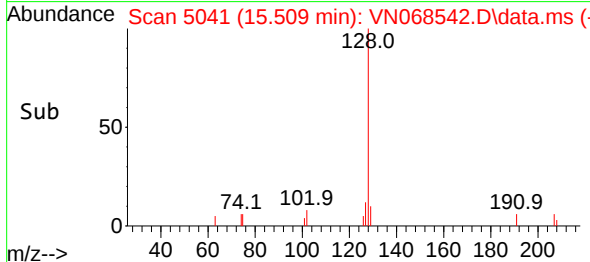
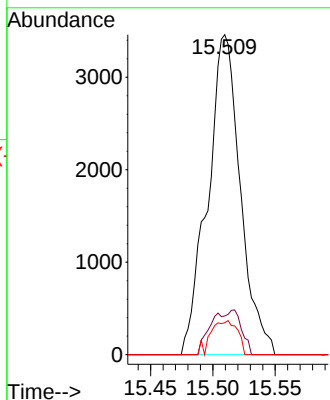
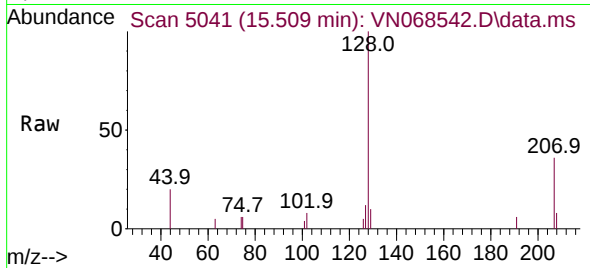




#95
Naphthalene
Concen: 3.866 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-03-(8-10)ME

Tgt Ion:128 Resp: 6310
Ion Ratio Lower Upper
128 100
127 5.7 10.6 15.8#
129 8.6 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 3.166 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN068542.D
Acq: 18 Sep 2021 1:50

Tgt Ion:180 Resp: 1442
Ion Ratio Lower Upper
180 100
182 113.7 47.9 143.6
145 28.4 15.2 45.5

