

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068547.D
 Acq On : 18 Sep 2021 3:57
 Operator : JC/MD
 Sample : M3770-05
 Misc : 6.76g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NAPL-5-SIDEWALL-END-POINT-(10-

Manual Integrations
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Quant Time: Sep 20 06:01:03 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	8.083	168	632805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	800488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	833307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	459446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	255576	44.029	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	88.060%
35) Dibromofluoromethane	8.019	113	248240	51.417	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.840%
50) Toluene-d8	10.443	98	952658	48.246	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.500%
62) 4-Bromofluorobenzene	12.734	95	364780	55.398	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.800%
Target Compounds						Qvalue
4) Vinyl Chloride	2.445	62	36275	4.630	ug/l	100
21) trans-1,2-Dichloroethene	5.581	96	27394	4.826	ug/l	96
27) cis-1,2-Dichloroethene	7.319	96	4693631	704.058	ug/l	89
44) Trichloroethene	9.215	130	2739304	437.963	ug/l	99
52) Toluene	10.507	92	13914	1.062	ug/l	93
64) Tetrachloroethene	10.974	164	17713802m	2398.408	ug/l	
67) Ethyl Benzene	11.846	91	37905	1.353	ug/l	99
68) m/p-Xylenes	11.956	106	41996	3.722	ug/l	94
69) o-Xylene	12.283	106	42169	3.836	ug/l	98
73) Isopropylbenzene	12.583	105	43834	1.341	ug/l	98
78) n-propylbenzene	12.924	91	110343	3.197	ug/l	100
80) 1,3,5-Trimethylbenzene	13.061	105	286141	10.777	ug/l	99
84) 1,2,4-Trimethylbenzene	13.372	105	1010005	39.664	ug/l	100
85) sec-Butylbenzene	13.506	105	45174	1.413	ug/l #	65
86) p-Isopropyltoluene	13.619	119	95248	3.530	ug/l	96
89) n-Butylbenzene	13.943	91	40660	2.069	ug/l #	70

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

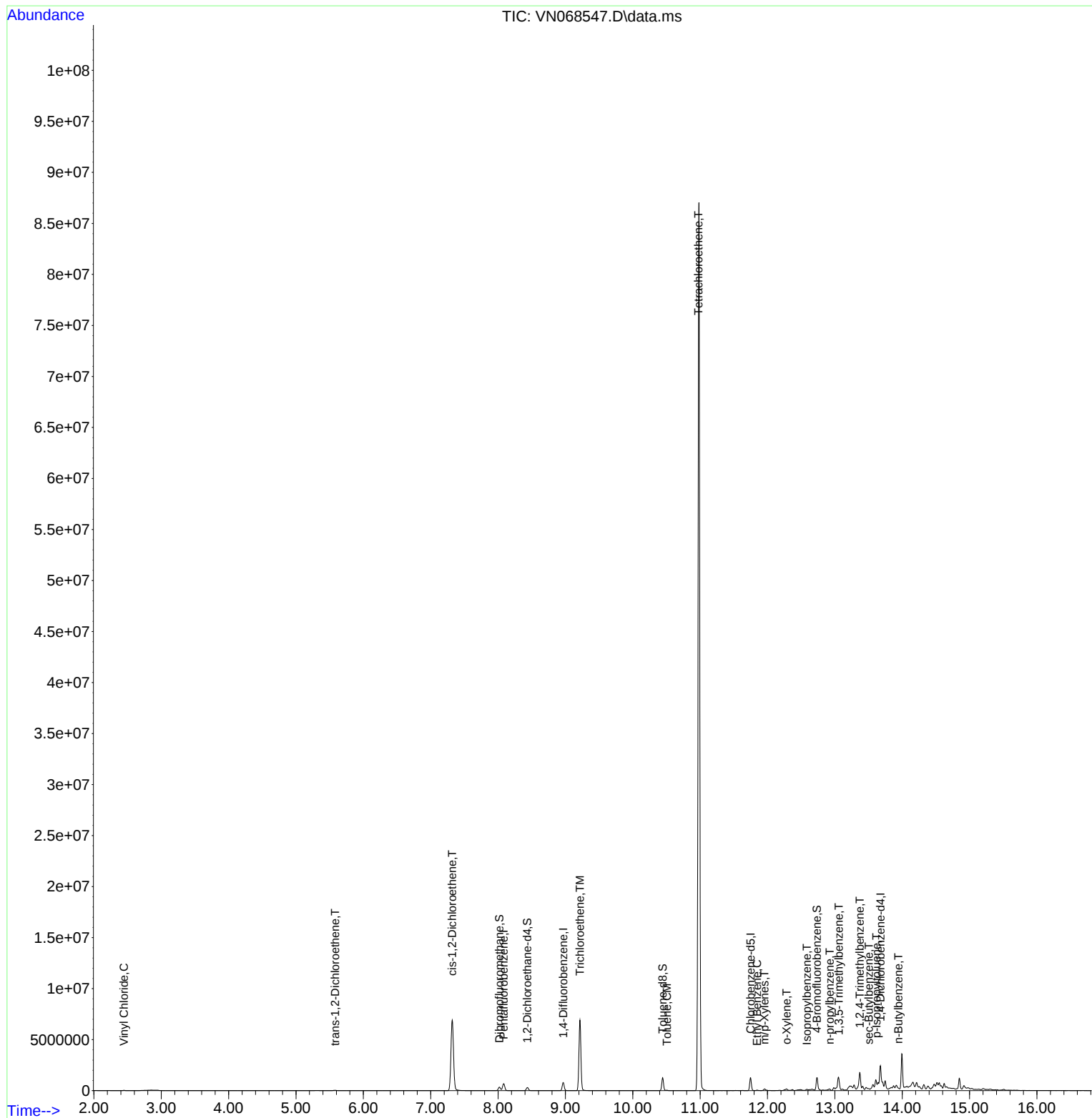
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Data File : VN068547.D
Acq On : 18 Sep 2021 3:57
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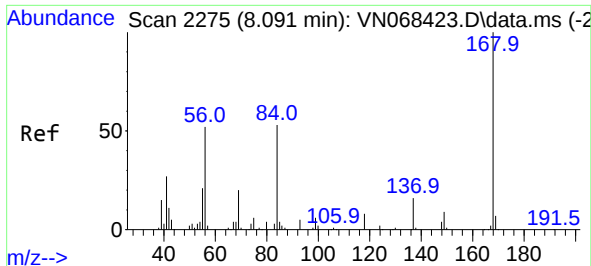
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NAPL-5-SIDEWALL-END-POINT-(10-

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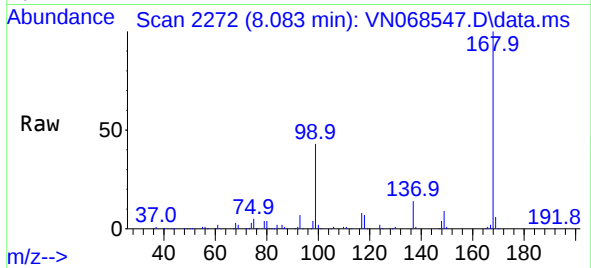
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 17 11:02:11 2021
Response via : Initial Calibration

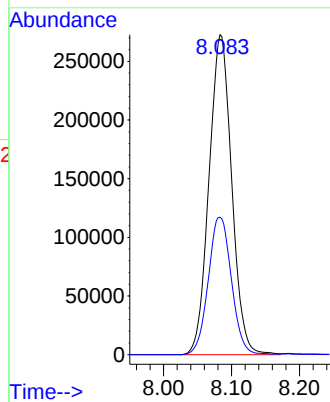
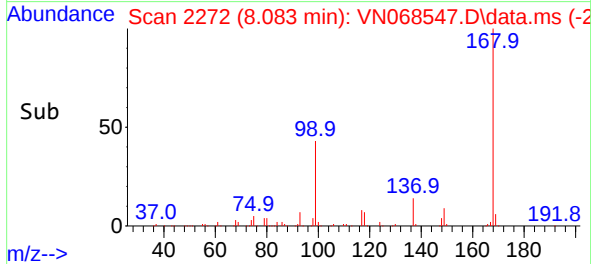




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.008 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57



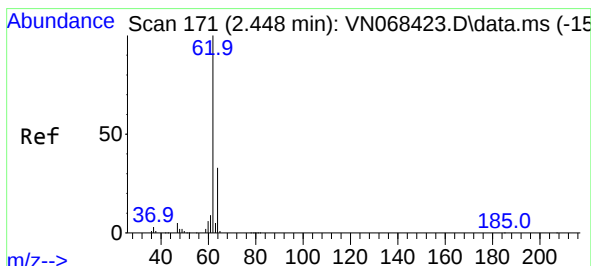
Tgt Ion: 168 Resp: 632805
Ion Ratio Lower Upper
168 100
99 42.9 38.2 57.4



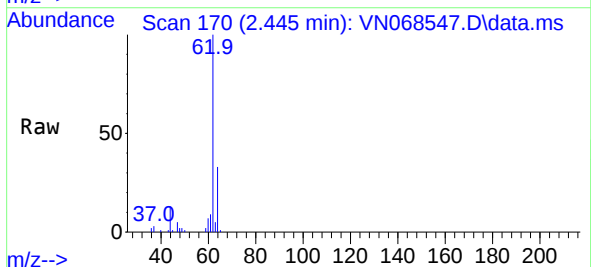
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NAPL-5-SIDEWALL-END-POINT-(10-

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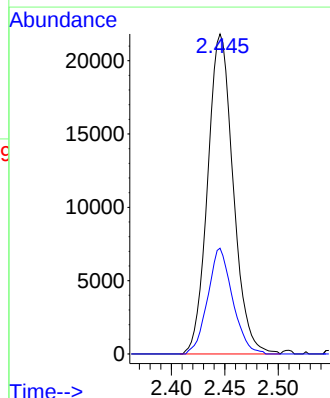
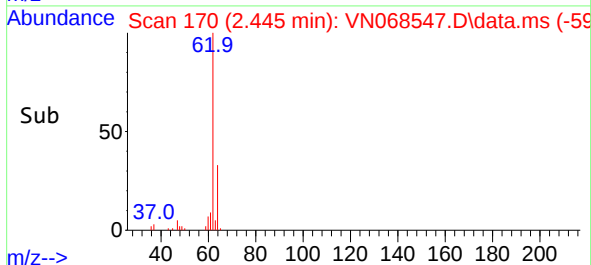
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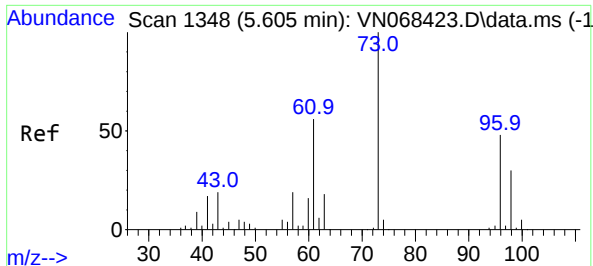


#4
Vinyl Chloride
Concen: 4.630 ug/l
RT: 2.445 min Scan# 170
Delta R.T. -0.003 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57



Tgt Ion: 62 Resp: 36275
Ion Ratio Lower Upper
62 100
64 33.0 26.3 39.5





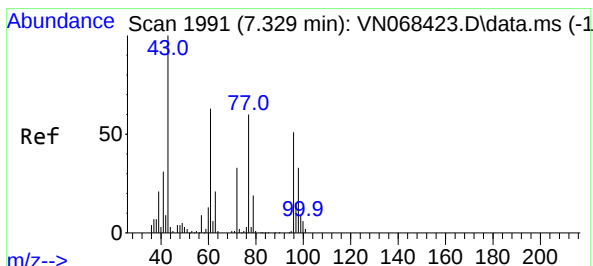
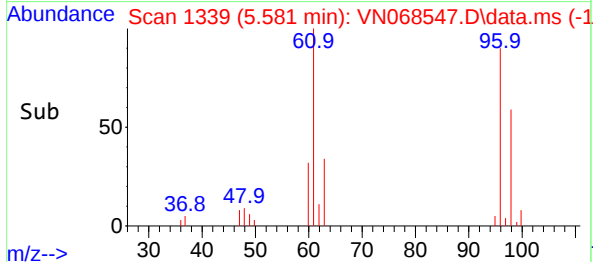
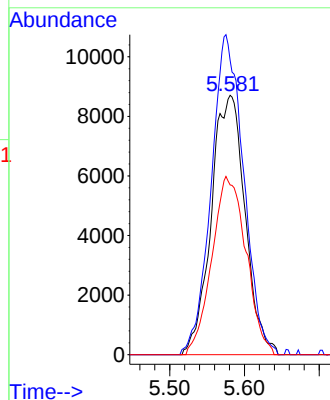
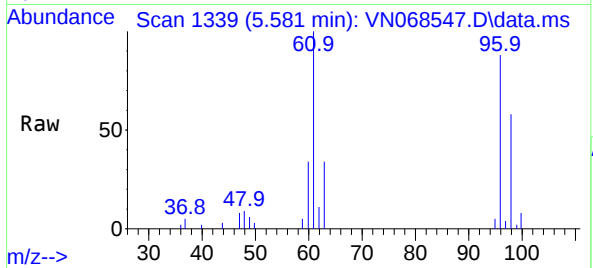
#21
trans-1,2-Dichloroethene
Concen: 4.826 ug/l
RT: 5.581 min Scan# 1339
Delta R.T. -0.024 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57

Tgt Ion: 96 Resp: 27394
Ion Ratio Lower Upper
96 100
61 113.5 94.6 142.0
98 65.5 50.2 75.4

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MSVOA_N
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NAPL-5-SIDEWALL-END-POINT-(10-

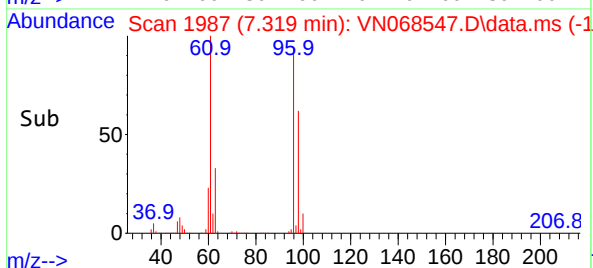
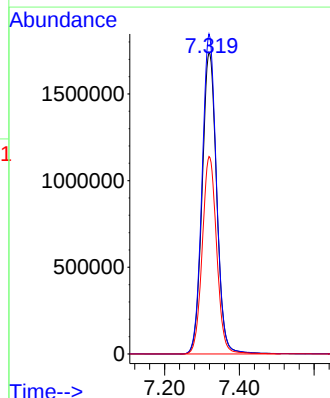
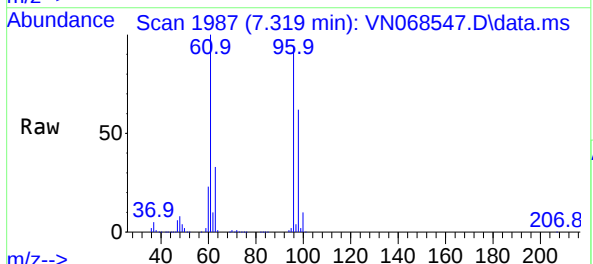
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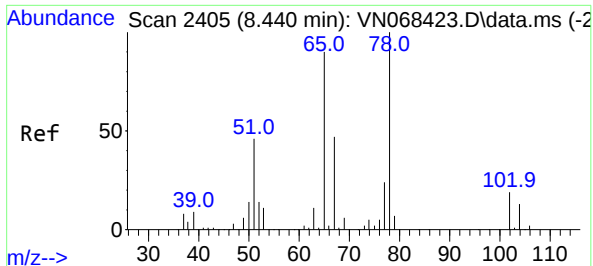
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#27
cis-1,2-Dichloroethene
Concen: 704.058 ug/l
RT: 7.319 min Scan# 1987
Delta R.T. -0.010 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57

Tgt Ion: 96 Resp: 4693631
Ion Ratio Lower Upper
96 100
61 105.1 0.0 246.4
98 65.0 0.0 130.4





#33

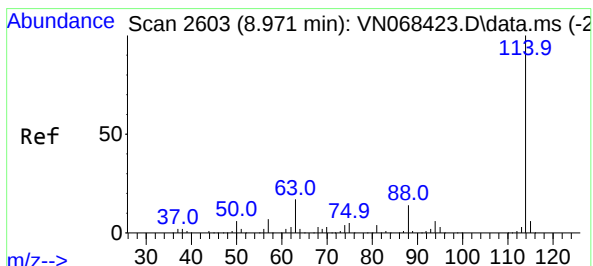
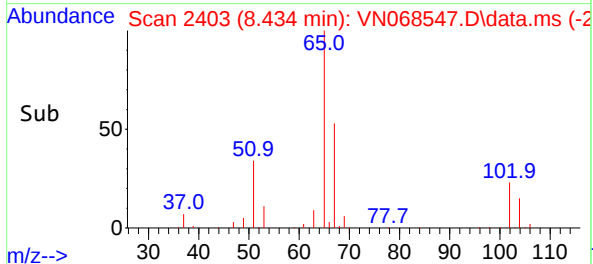
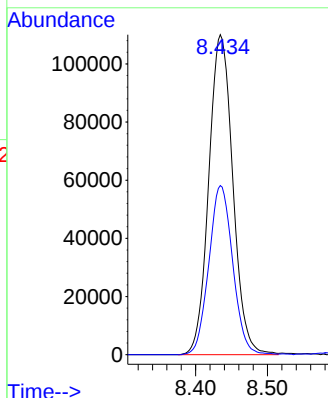
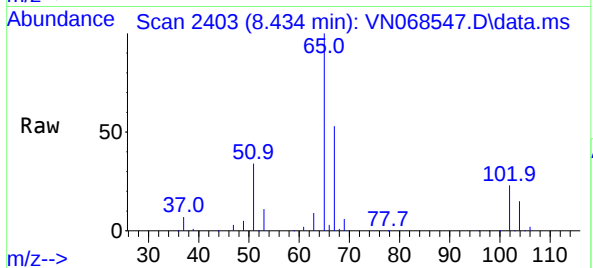
1,2-Dichloroethane-d4
Concen: 44.029 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57

Tgt Ion: 65 Resp: 255576
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.0

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ClientSampleId :
NAPL-5-SIDEWALL-END-POINT-(10-

Manual Integrations
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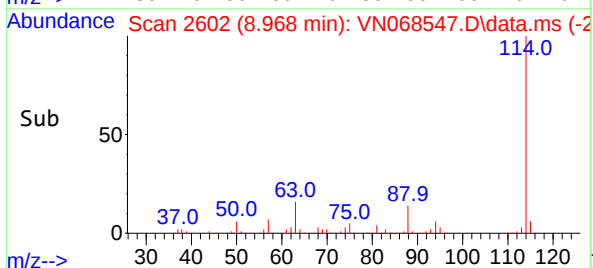
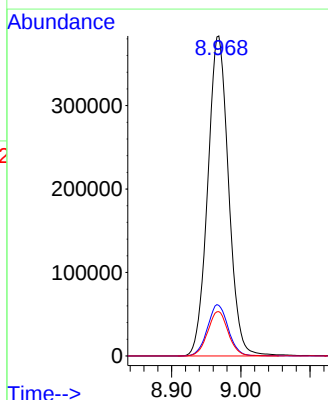
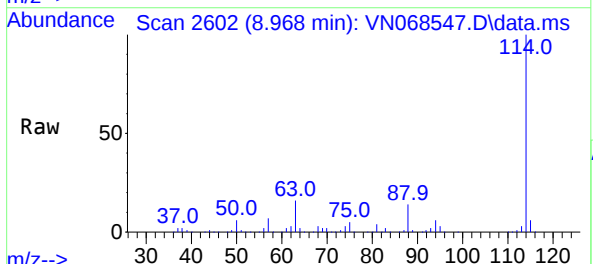
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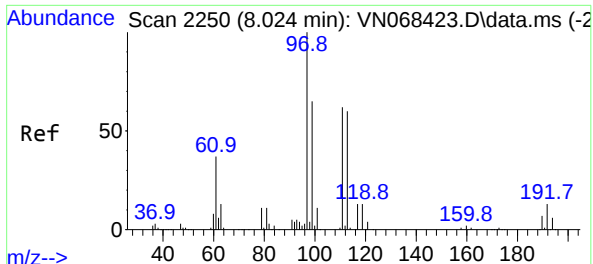


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57

Tgt Ion: 114 Resp: 800488
Ion Ratio Lower Upper
114 100
63 15.8 0.0 33.2
88 13.8 0.0 28.4





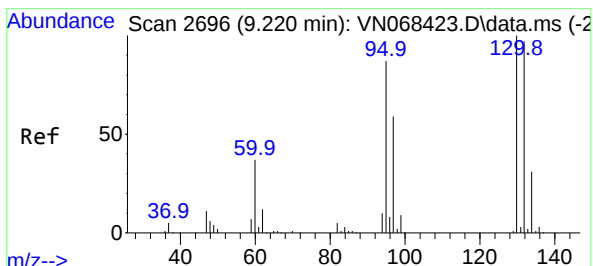
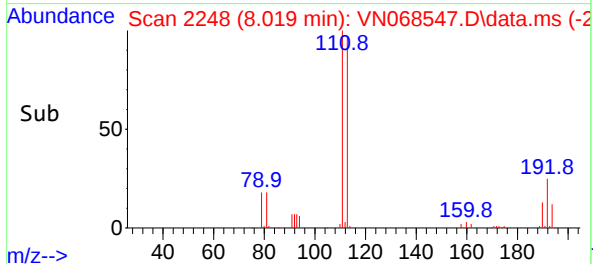
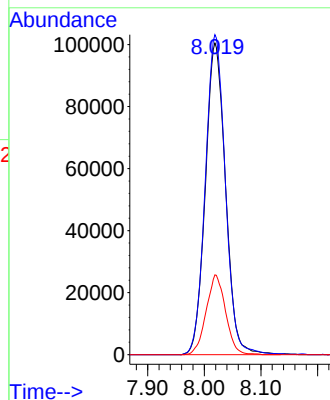
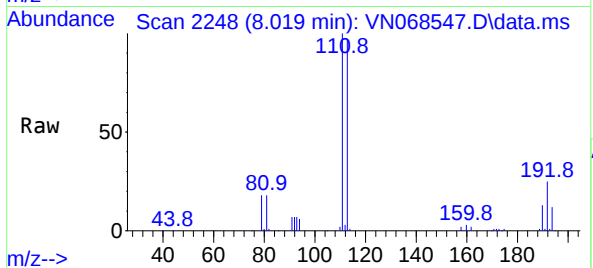
#35
Dibromofluoromethane
Concen: 51.417 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.005 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57

Tgt Ion:113 Resp: 248240
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 24.7 17.7 26.5

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NAPL-5-SIDEWALL-END-POINT-(10-

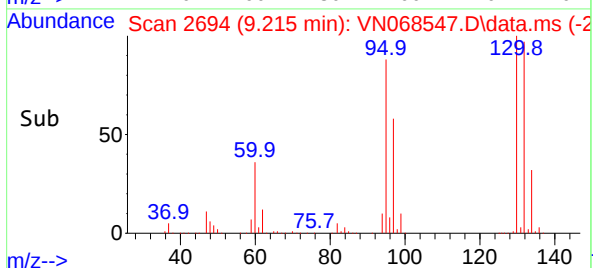
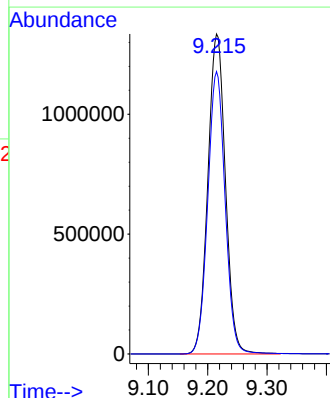
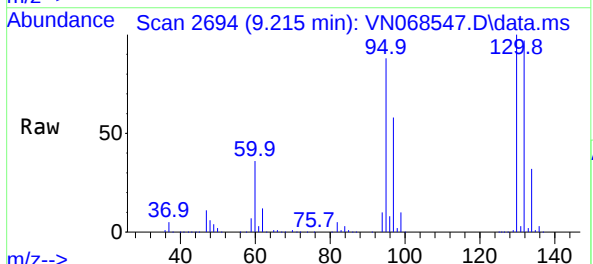
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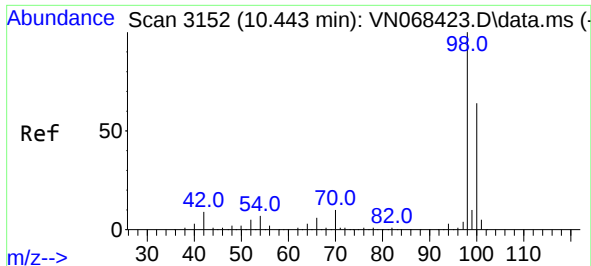
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#44
Trichloroethene
Concen: 437.963 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.005 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57

Tgt Ion:130 Resp: 2739304
Ion Ratio Lower Upper
130 100
95 88.3 0.0 173.8





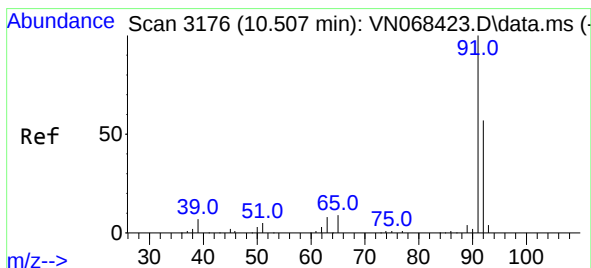
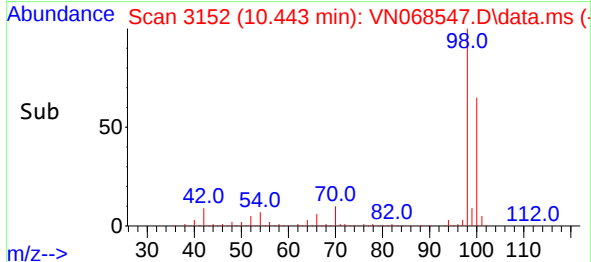
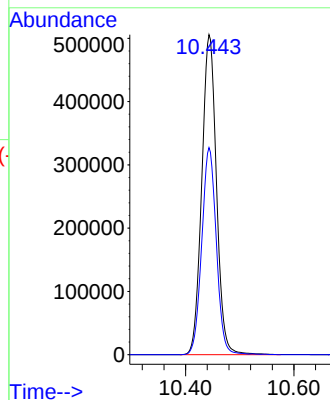
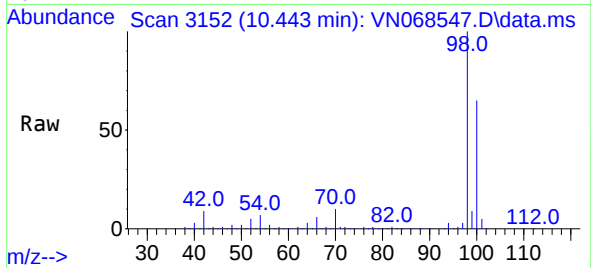
#50
Toluene-d8
Concen: 48.246 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57

Tgt Ion: 98 Resp: 952658
Ion Ratio Lower Upper
98 100
100 64.1 51.0 76.6

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MSVOA_N
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NAPL-5-SIDEWALL-END-POINT-(10-

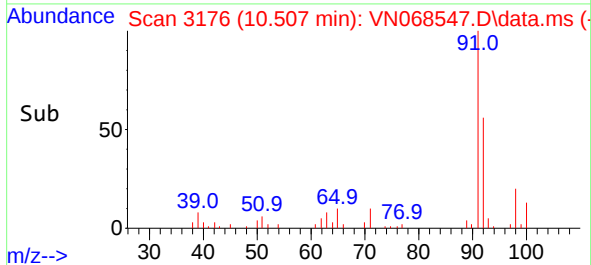
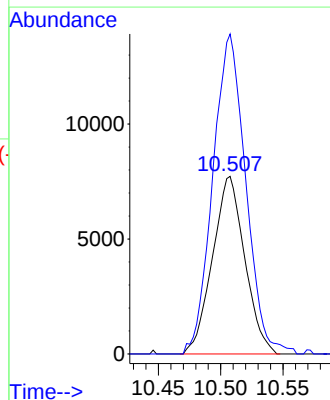
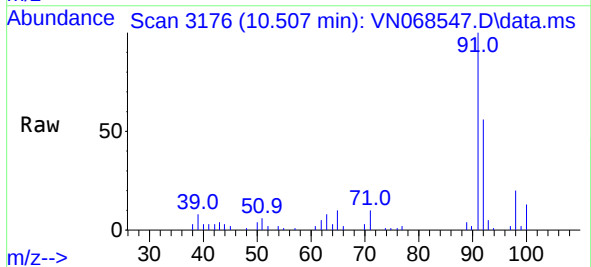
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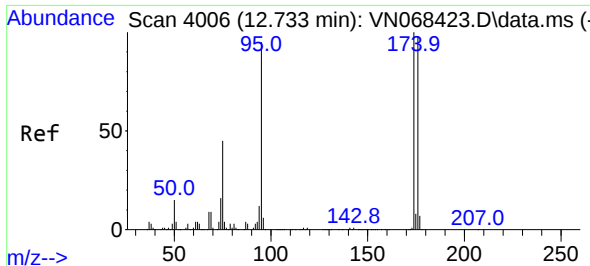
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#52
Toluene
Concen: 1.062 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57

Tgt Ion: 92 Resp: 13914
Ion Ratio Lower Upper
92 100
91 183.7 139.4 209.0





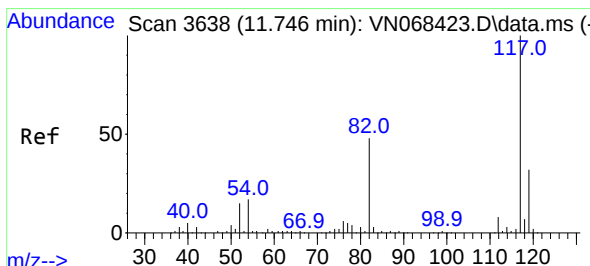
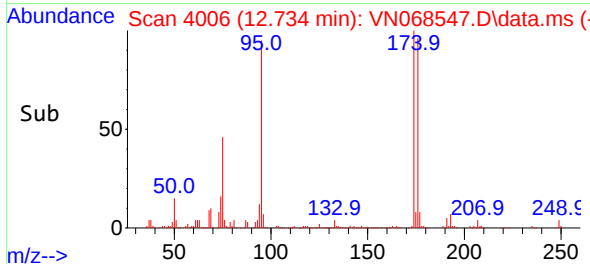
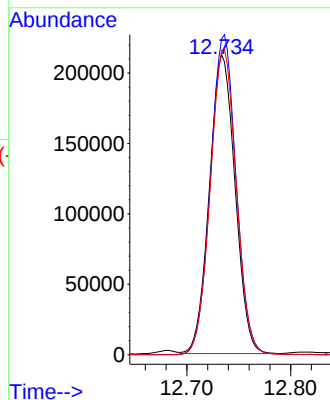
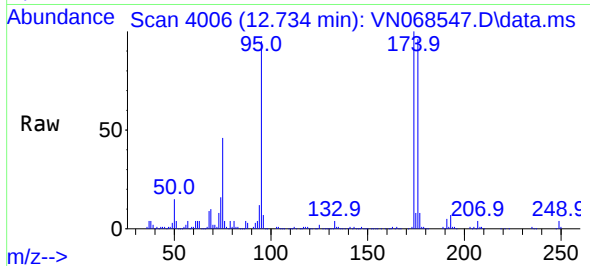
#62
4-Bromofluorobenzene
Concen: 55.398 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57

Tgt Ion: 95 Resp: 364780
Ion Ratio Lower Upper
95 100
174 107.0 0.0 214.0
176 103.4 0.0 205.4

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NAPL-5-SIDEWALL-END-POINT-(10-

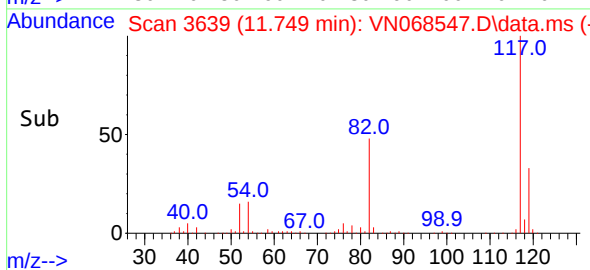
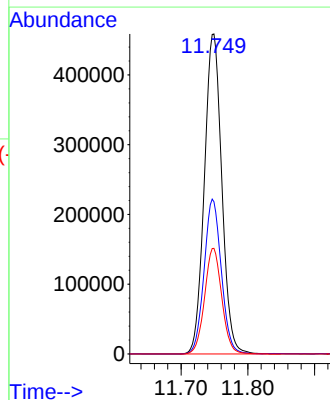
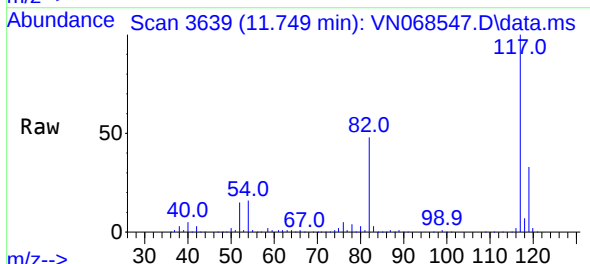
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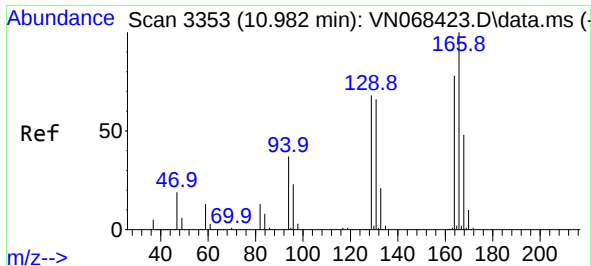
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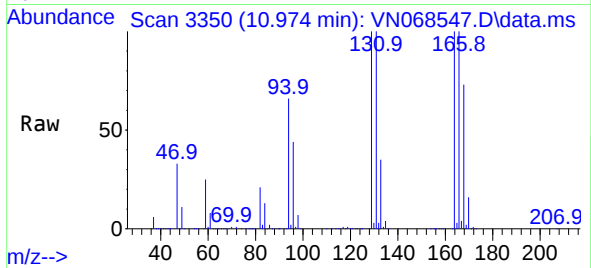
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57

Tgt Ion: 117 Resp: 833307
Ion Ratio Lower Upper
117 100
82 47.5 38.7 58.1
119 33.0 25.5 38.3

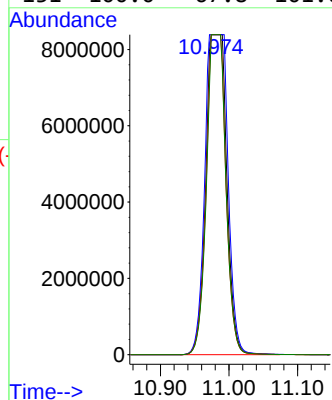




#64
Tetrachloroethene
Concen: 2398.408 ug/l m
RT: 10.974 min Scan# 3350
Delta R.T. -0.008 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57



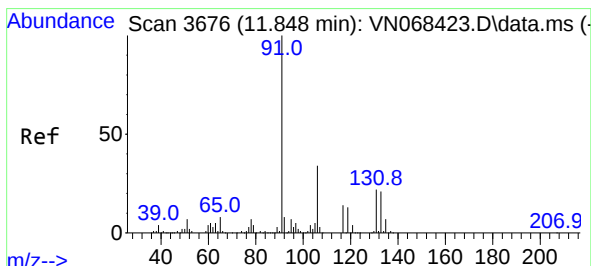
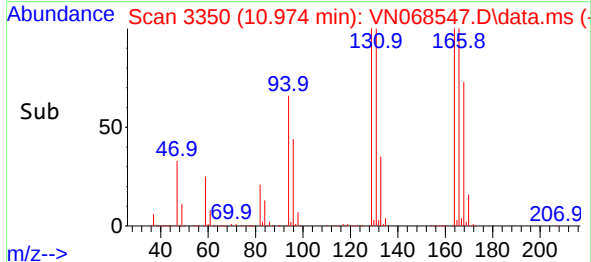
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Ion Ratio Lower Upper
164 100
166 100.0 102.9 154.3#
129 100.0 70.1 105.1
131 100.0 67.8 101.6



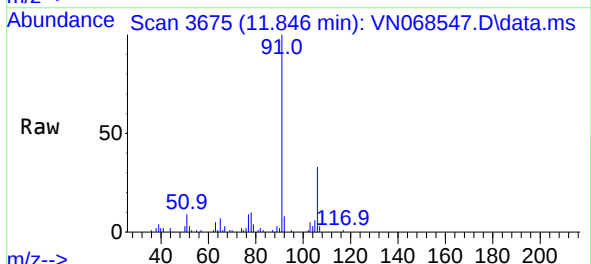
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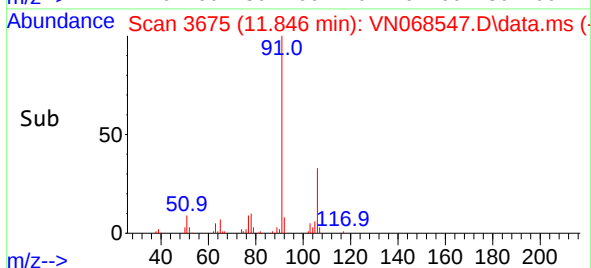
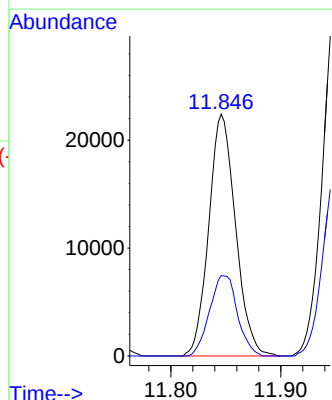
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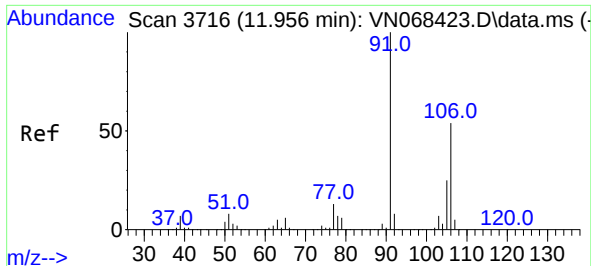


#67
Ethyl Benzene
Concen: 1.353 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. -0.002 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57



Tgt Ion: 91 Resp: 37905
Ion Ratio Lower Upper
91 100
106 33.2 27.1 40.7





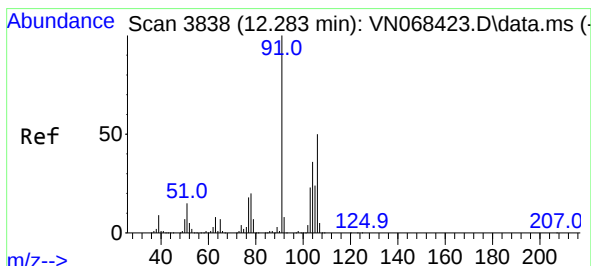
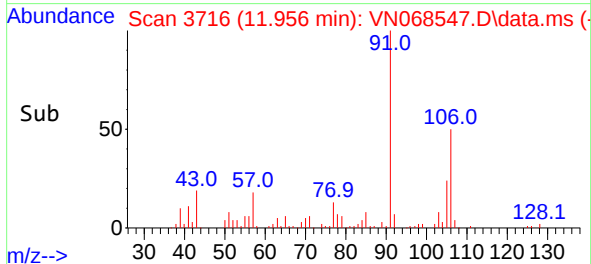
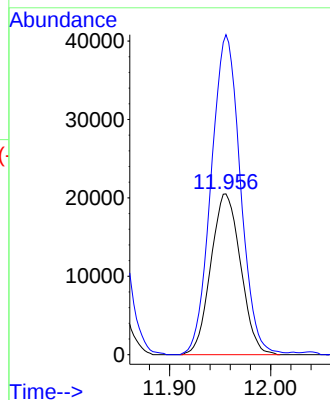
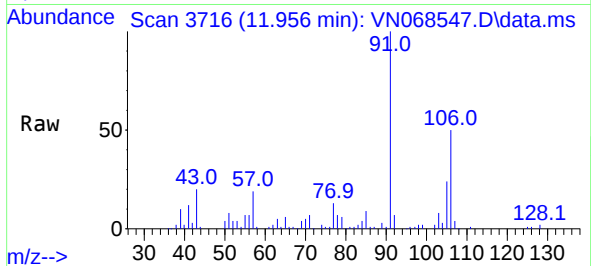
#68
m/p-Xylenes
Concen: 3.722 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.000 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57

Tgt Ion:106 Resp: 41996
Ion Ratio Lower Upper
106 100
91 195.3 149.5 224.3

Instrument :
MSVOA_N
ClientSampleId :
NAPL-5-SIDEWALL-END-POINT-(10-

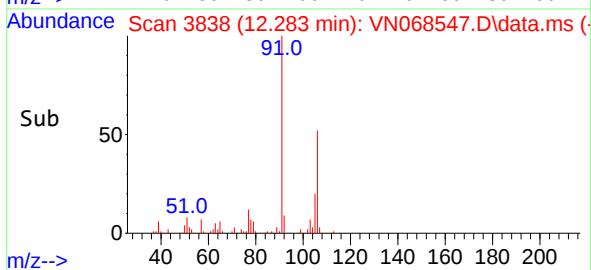
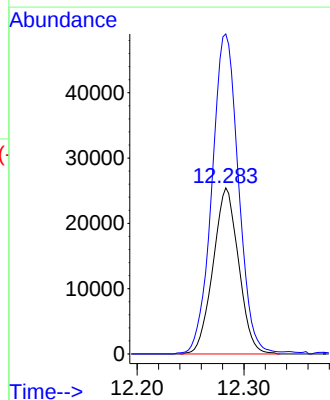
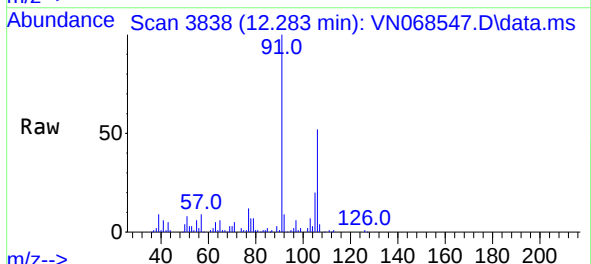
Manual Integrations
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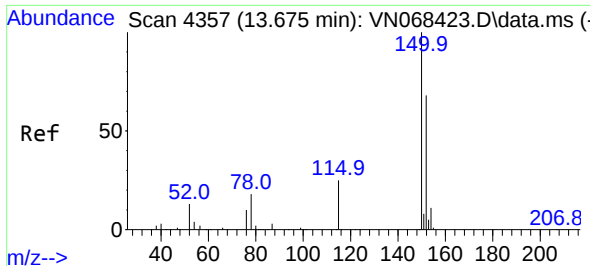
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9/21/2021 6:58:13 PM



#69
o-Xylene
Concen: 3.836 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. -0.000 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57

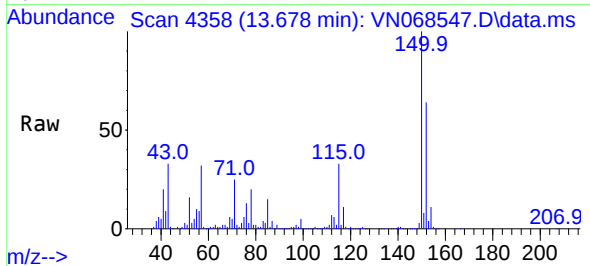
Tgt Ion:106 Resp: 42169
Ion Ratio Lower Upper
106 100
91 200.8 99.3 297.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57

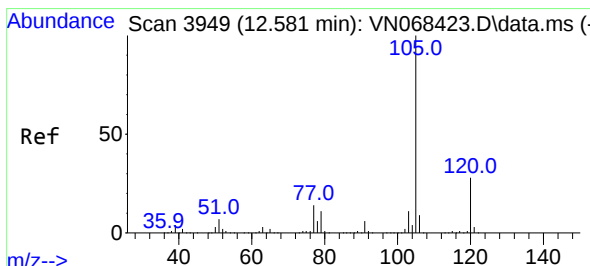
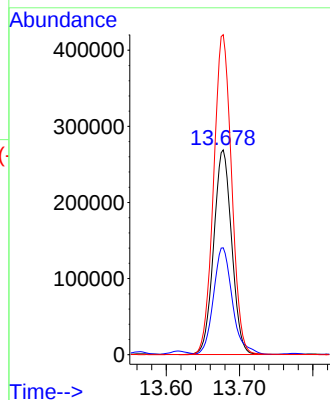
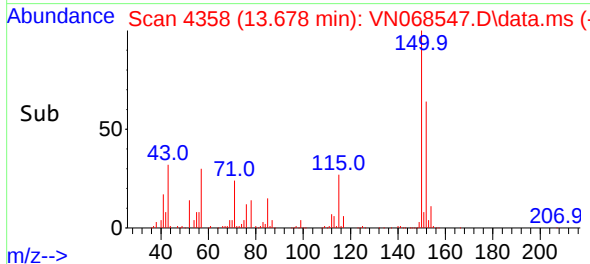
Instrument :
MSVOA_N
ClientSampleId :
NAPL-5-SIDEWALL-END-POINT-(10-



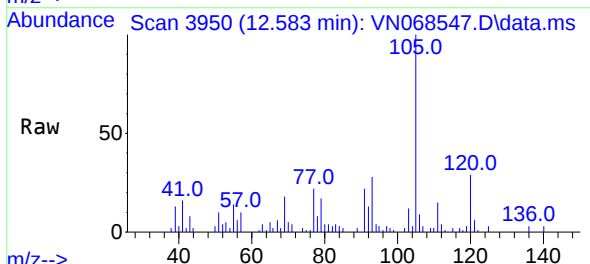
Tgt Ion:152 Resp: 459446
Ion Ratio Lower Upper
152 100
115 54.7 25.6 76.6
150 156.6 0.0 346.8

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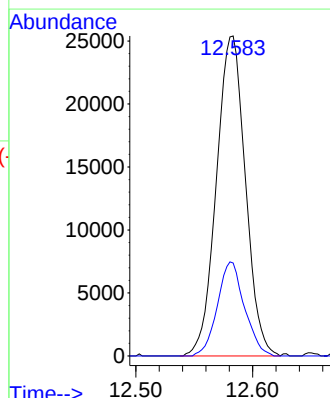
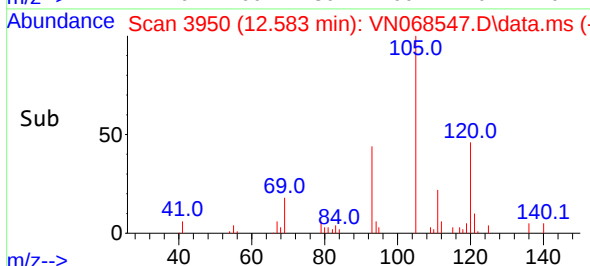
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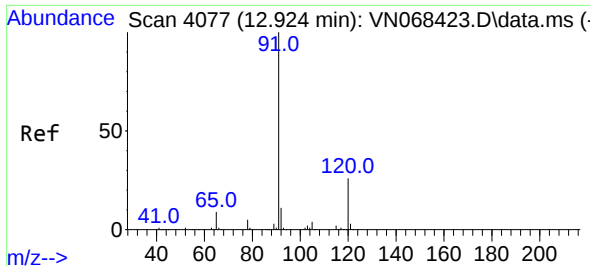


#73
Isopropylbenzene
Concen: 1.341 ug/l
RT: 12.583 min Scan# 3950
Delta R.T. 0.002 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57

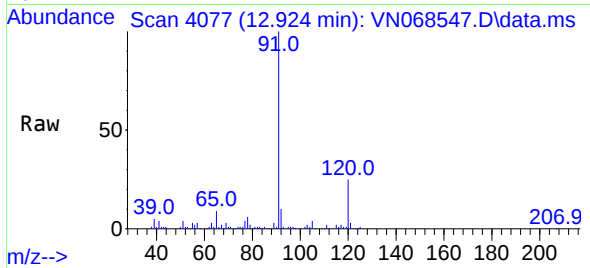


Tgt Ion:105 Resp: 43834
Ion Ratio Lower Upper
105 100
120 27.4 14.1 42.3

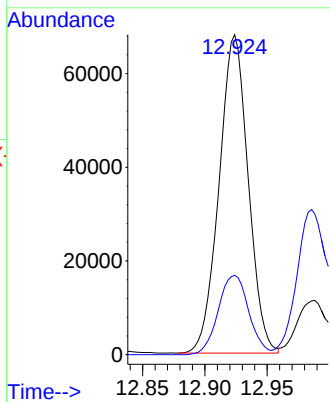
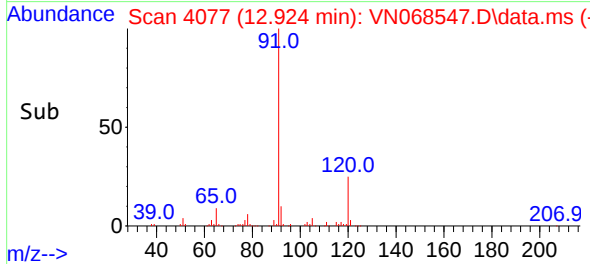




#78
n-propylbenzene
Concen: 3.197 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. -0.000 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57



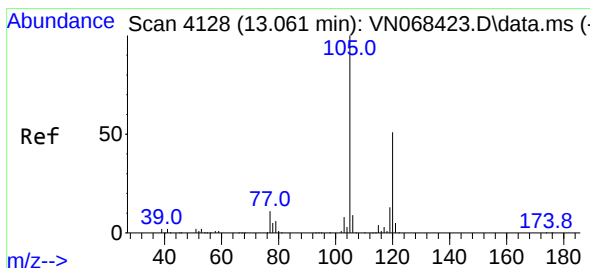
Tgt Ion: 91 Resp: 110343
Ion Ratio Lower Upper
91 100
120 26.2 13.2 39.6



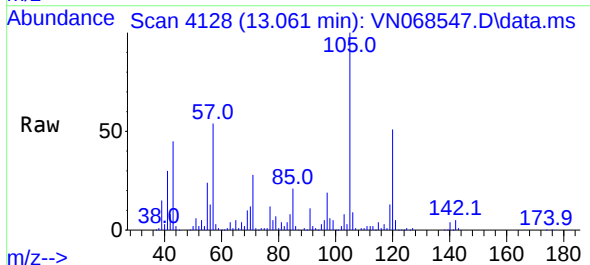
Instrument :
MSVOA_N
ClientSampleId :
NAPL-5-SIDEWALL-END-POINT-(10-

Manual Integrations
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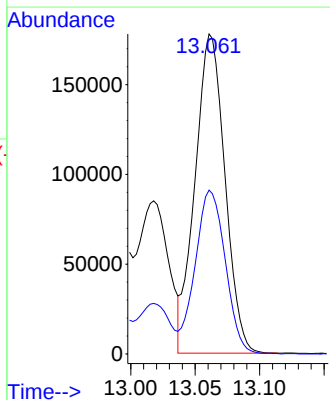
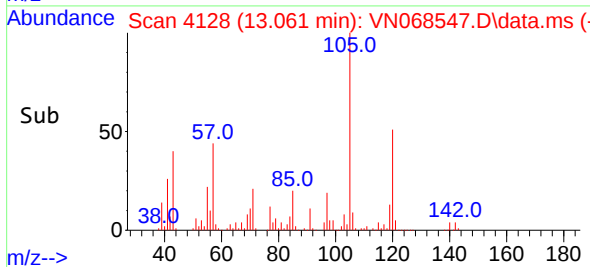
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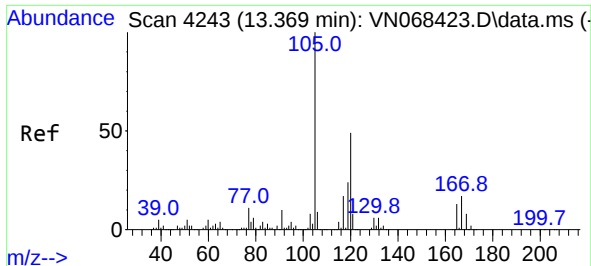


#80
1,3,5-Trimethylbenzene
Concen: 10.777 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57



Tgt Ion: 105 Resp: 286141
Ion Ratio Lower Upper
105 100
120 51.8 25.7 77.1





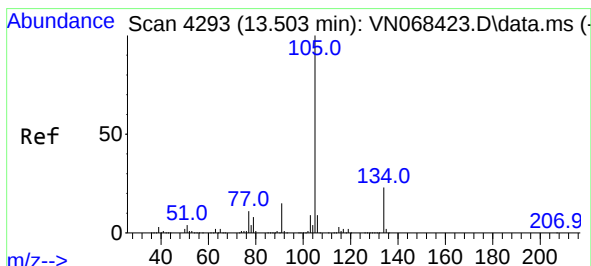
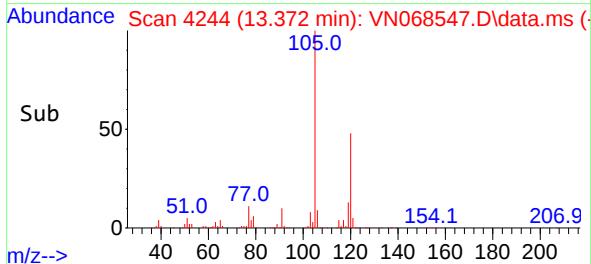
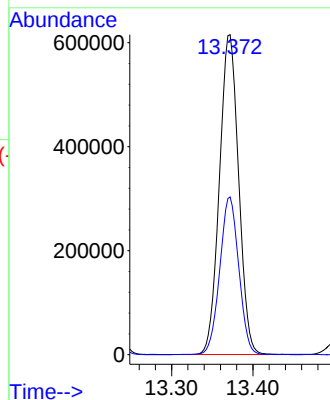
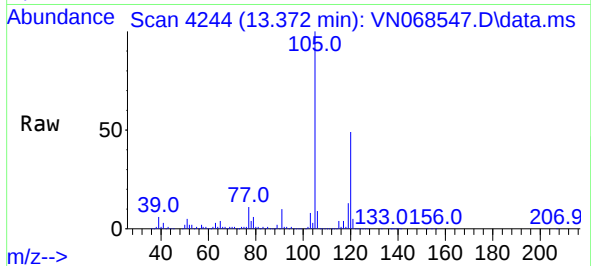
#84
1,2,4-Trimethylbenzene
Concen: 39.664 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57

Tgt Ion:105 Resp: 1010005
Ion Ratio Lower Upper
105 100
120 48.9 24.3 72.9

Instrument :
MSVOA_N
ClientSampleId :
NAPL-5-SIDEWALL-END-POINT-(10-

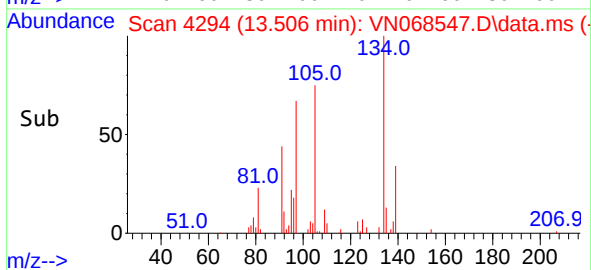
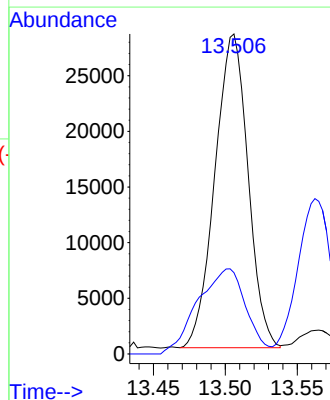
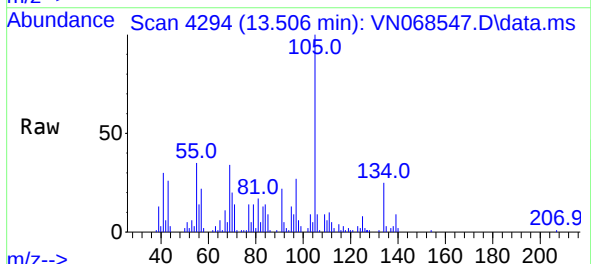
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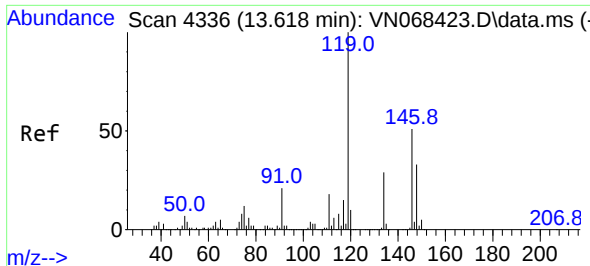
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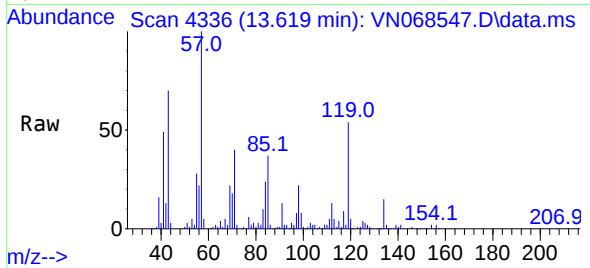
#85
sec-Butylbenzene
Concen: 1.413 ug/l
RT: 13.506 min Scan# 4294
Delta R.T. 0.003 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57

Tgt Ion:105 Resp: 45174
Ion Ratio Lower Upper
105 100
134 39.5 11.4 34.1#

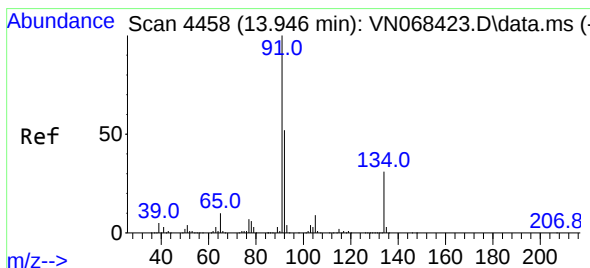
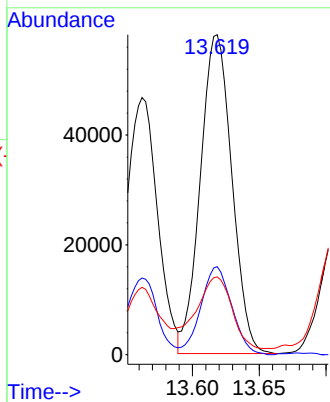
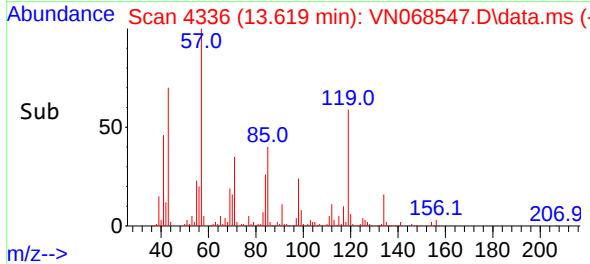




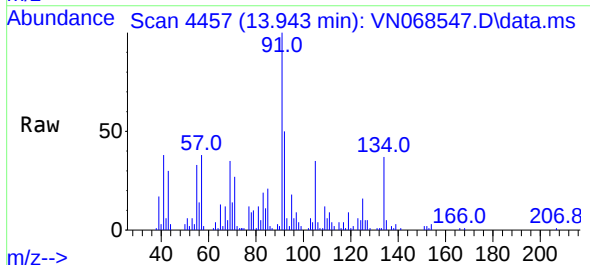
#86
p-Isopropyltoluene
Concen: 3.530 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.001 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57



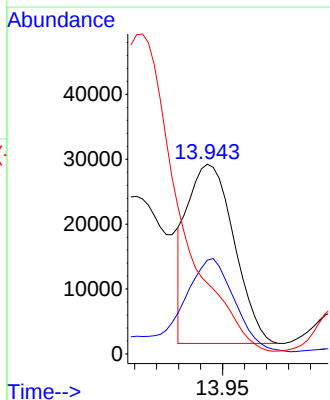
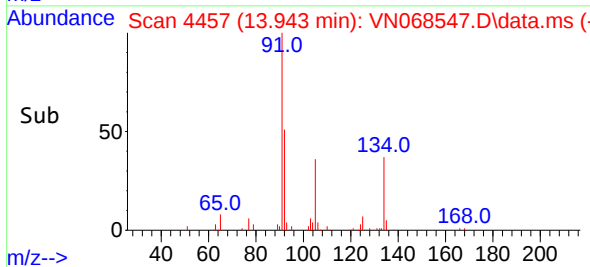
Tgt Ion: 119 Resp: 95248
Ion Ratio Lower Upper
119 100
134 27.1 14.1 42.4
91 24.2 10.6 31.8



#89
n-Butylbenzene
Concen: 2.069 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN068547.D
Acq: 18 Sep 2021 3:57



Tgt Ion: 91 Resp: 40660
Ion Ratio Lower Upper
91 100
92 62.7 26.0 78.0
134 0.0 15.4 46.2#



Instrument :
MSVOA_N
ClientSampleId :
NAPL-5-SIDEWALL-END-POINT-(10-

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