

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051222\
 Data File : VN072465.D
 Acq On : 12 May 2022 20:09
 Operator : JC\MD
 Sample : PB144752ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144752ZHE#01

Quant Time: May 13 02:49:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:43:28 2022
 Response via : Initial Calibration

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

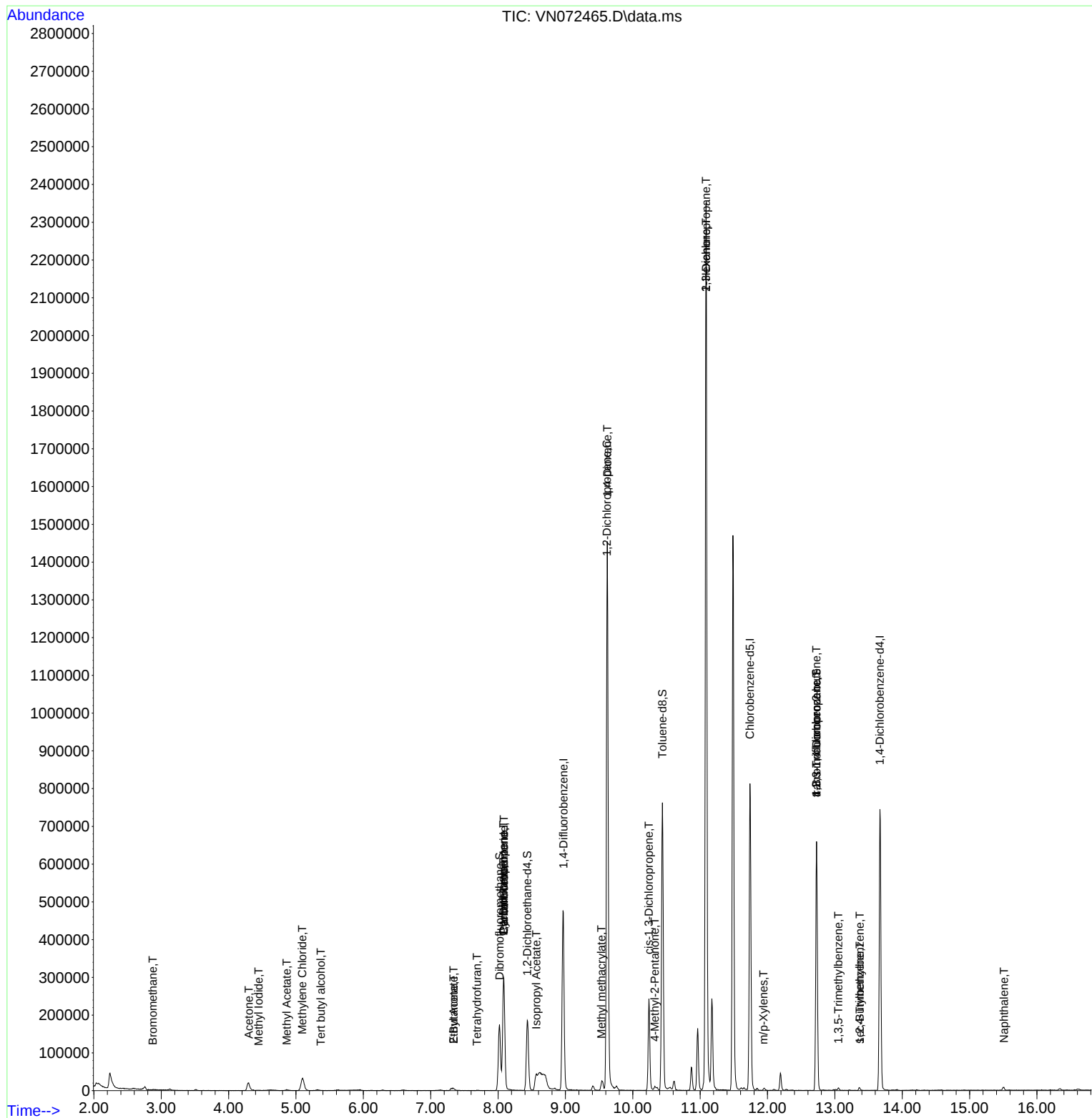
Internal Standards						
1) Pentafluorobenzene	8.086	168	219995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	407037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	465721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	202993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	166674	49.464	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.920%		
35) Dibromofluoromethane	8.022	113	124361	45.924	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.840%		
50) Toluene-d8	10.439	98	523990	50.806	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.620%		
62) 4-Bromofluorobenzene	12.727	95	222425	64.939	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	129.880%		
Target Compounds			Qvalue			
3) Chloromethane	2.299	50	739	Below Cal	#	43
5) Bromomethane	2.875	94	407	0.293	ug/l #	2
6) Chloroethane	2.999	64	548	Below Cal	#	42
10) Methyl Iodide	4.446	142	818	0.261	ug/l #	44
11) Tert butyl alcohol	5.369	59	131	0.238	ug/l #	72
16) Acetone	4.298	43	38338	28.729	ug/l	93
18) Methyl Acetate	4.863	43	3198	0.814	ug/l	97
20) Methylene Chloride	5.093	84	25449	9.301	ug/l	90
25) 2-Butanone	7.339	43	8323	3.952	ug/l	99
29) Tetrahydrofuran	7.686	42	305	0.223	ug/l #	46
31) Cyclohexane	8.081	56	5027	1.126	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	18649	4.795	ug/l #	51
37) Ethyl Acetate	7.339	43	8323	1.784	ug/l #	67
38) Carbon Tetrachloride	8.086	117	23466	5.391	ug/l #	17
43) Isopropyl Acetate	8.569	43	47161	6.580	ug/l #	76
45) 1,2-Dichloropropane	9.616	63	1738	0.586	ug/l #	44
48) Methyl methacrylate	9.533	41	7970	2.383	ug/l #	10
49) 1,4-Dioxane	9.622	88	396	6.942	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	5430	1.220	ug/l	93
54) cis-1,3-Dichloropropene	10.239	75	43146	9.432	ug/l #	67
57) 1,3-Dichloropropane	11.086	76	25003	4.919	ug/l #	42
59) 2-Hexanone	11.086	43	386807	123.943	ug/l #	44
68) m/p-Xylenes	11.939	106	2212	0.355	ug/l	94
76) 1,2,3-Trichloropropane	12.727	75	123532	23.332	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.051	105	3359	0.244	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.727	75	123532	77.837	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.368	105	5233	0.391	ug/l	90
85) sec-Butylbenzene	13.368	105	5233	0.325	ug/l #	56
95) Naphthalene	15.510	128	8844	4.030	ug/l	100

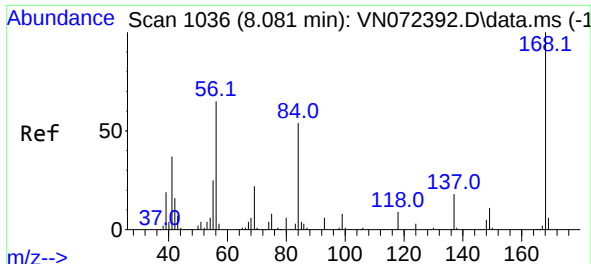
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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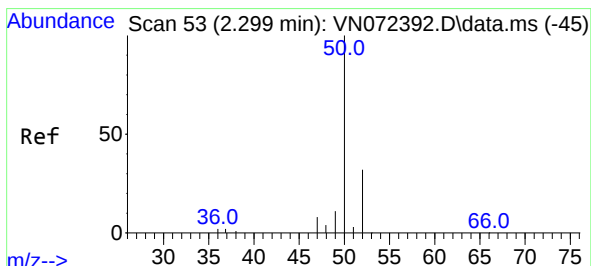
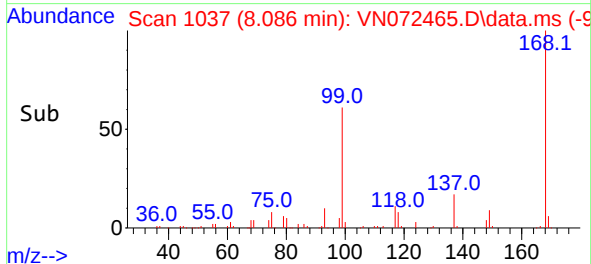
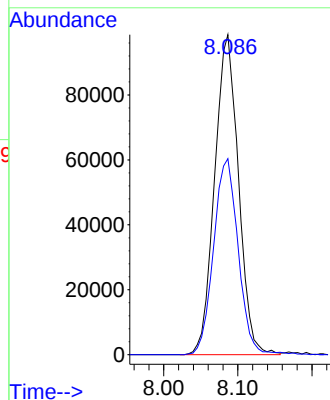
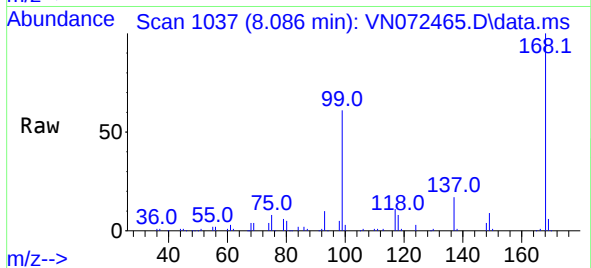




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

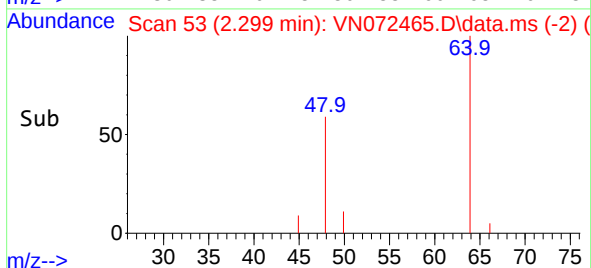
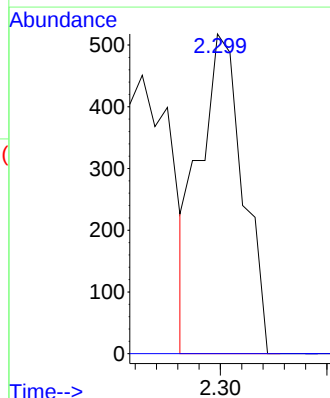
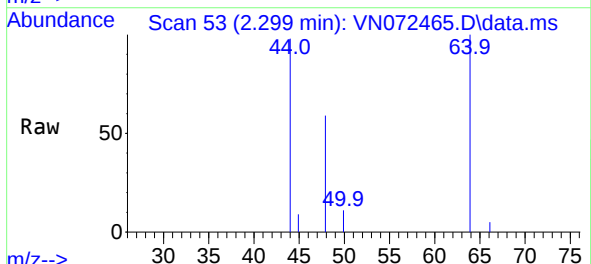
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#01

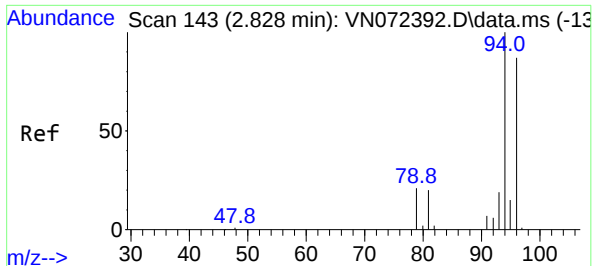
Tgt Ion:168 Resp: 21995
Ion Ratio Lower Upper
168 100
99 61.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Tgt Ion: 50 Resp: 739
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

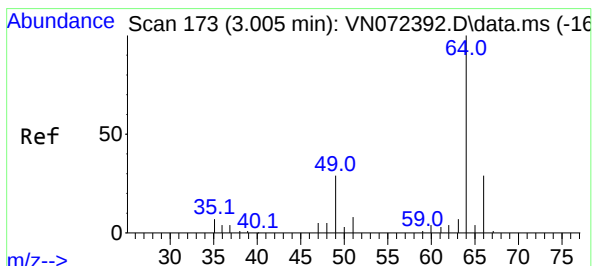
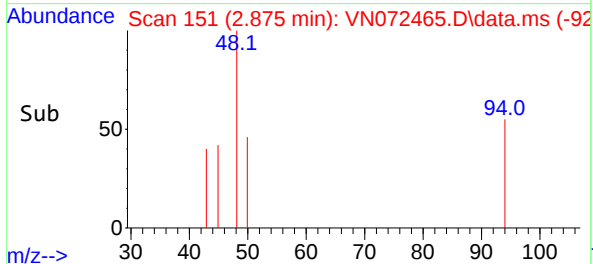
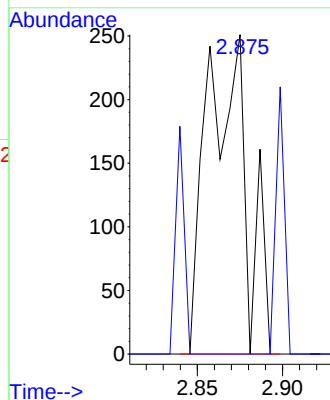
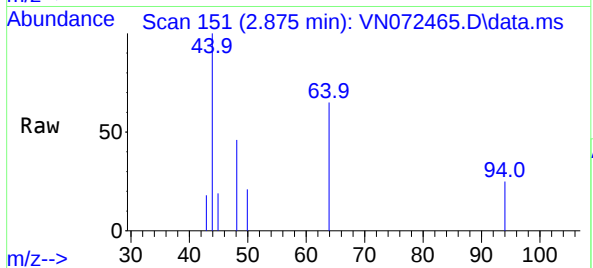




#5
Bromomethane
Concen: 0.293 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

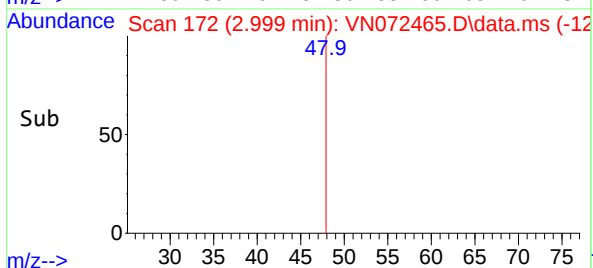
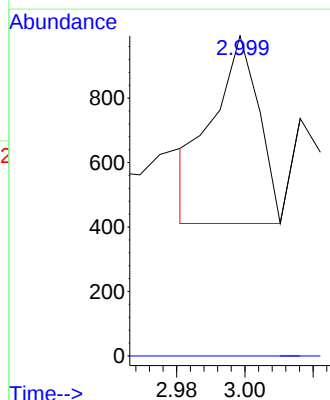
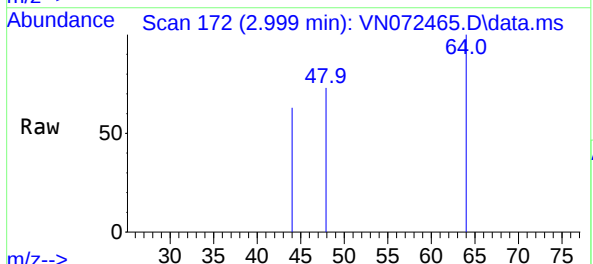
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#01

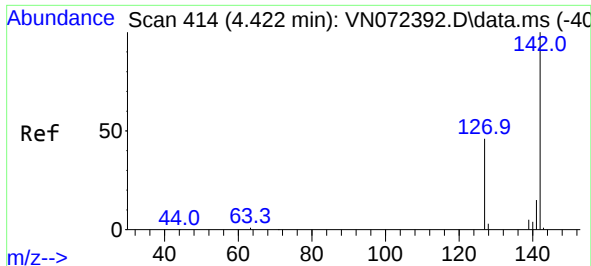
Tgt Ion: 94 Resp: 407
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.999 min Scan# 172
Delta R.T. -0.006 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Tgt Ion: 64 Resp: 548
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

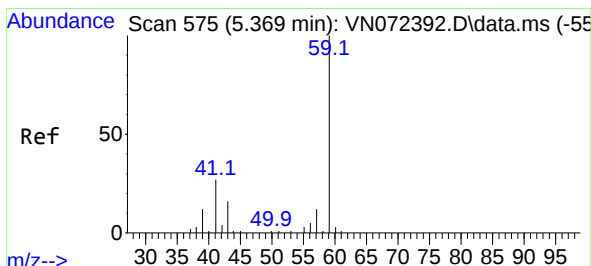
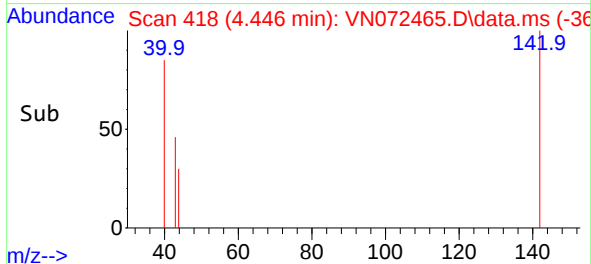
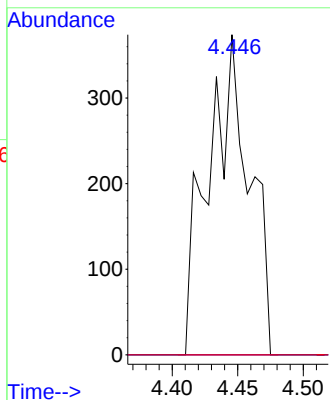
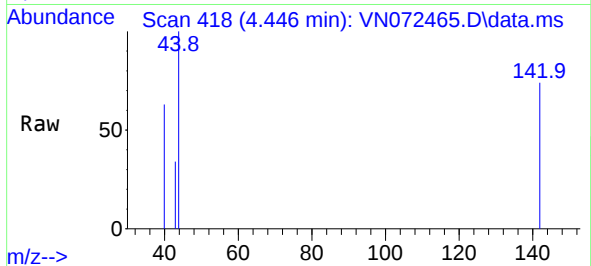




#10
Methyl Iodide
Concen: 0.261 ug/l
RT: 4.446 min Scan# 414
Delta R.T. 0.024 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

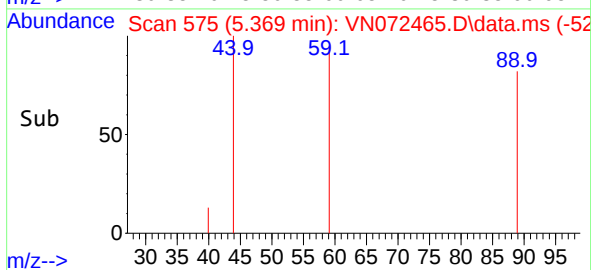
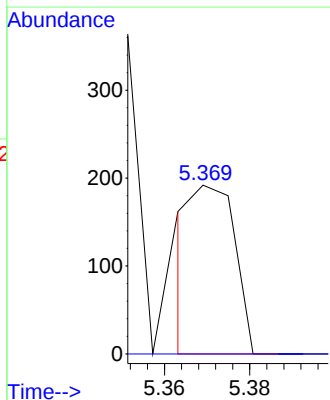
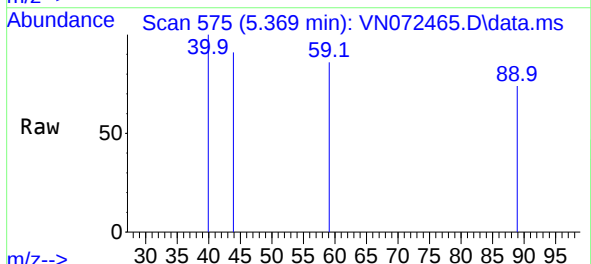
Instrument :
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ClientSampleId :
PB144752ZHE#01

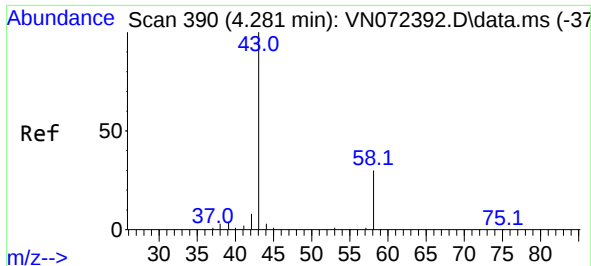
Tgt Ion:142 Resp: 818
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.238 ug/l
RT: 5.369 min Scan# 575
Delta R.T. 0.000 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

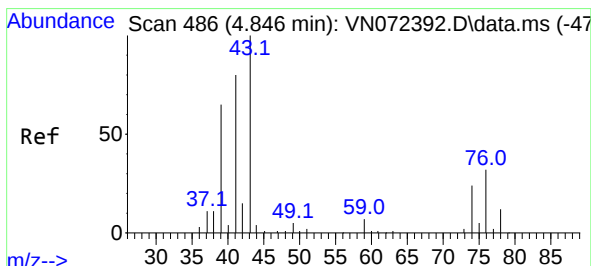
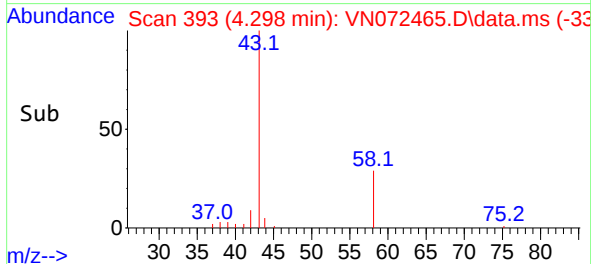
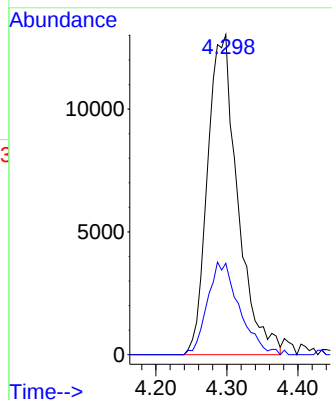
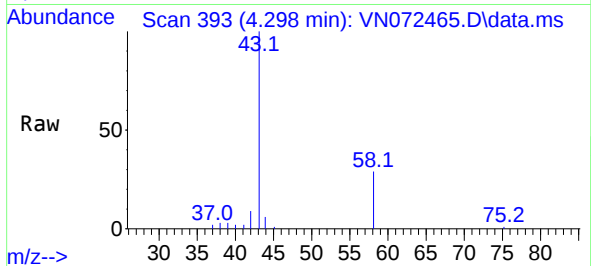




#16
Acetone
Concen: 28.729 ug/l
RT: 4.298 min Scan# 391
Delta R.T. 0.018 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

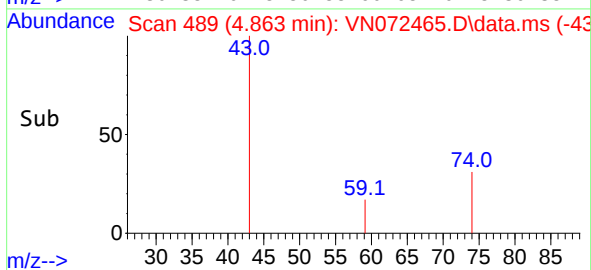
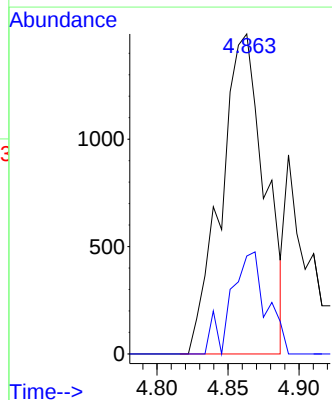
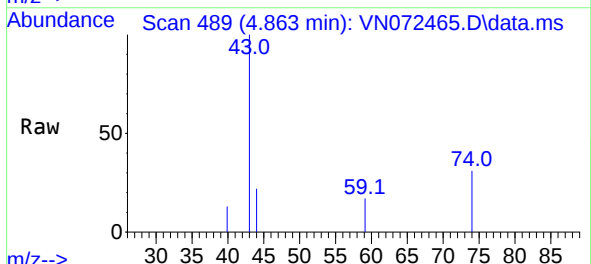
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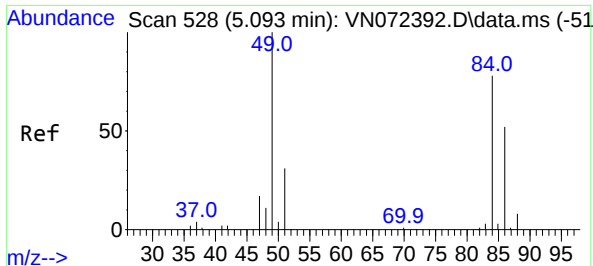
Tgt Ion: 43 Resp: 38338
Ion Ratio Lower Upper
43 100
58 28.6 26.0 39.0



#18
Methyl Acetate
Concen: 0.814 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Tgt Ion: 43 Resp: 3198
Ion Ratio Lower Upper
43 100
74 25.7 21.6 32.4

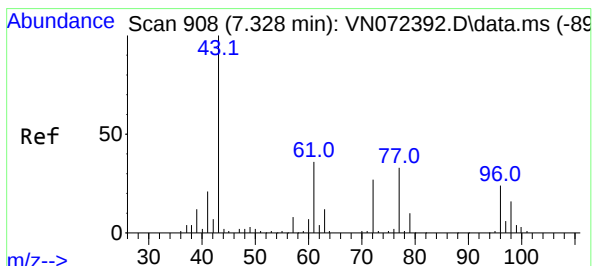
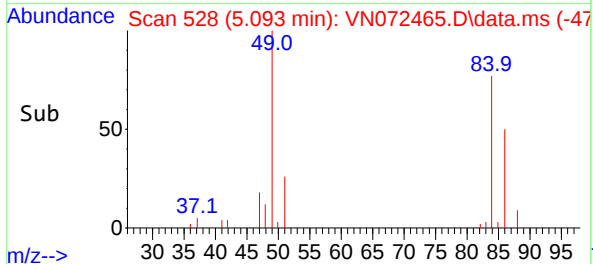
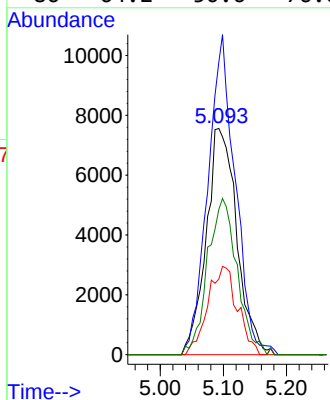
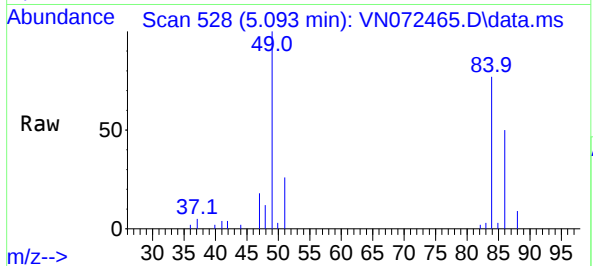




#20
Methylene Chloride
Concen: 9.301 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

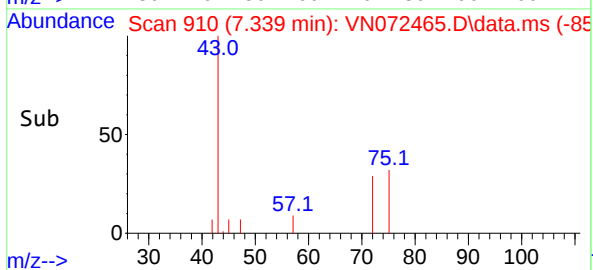
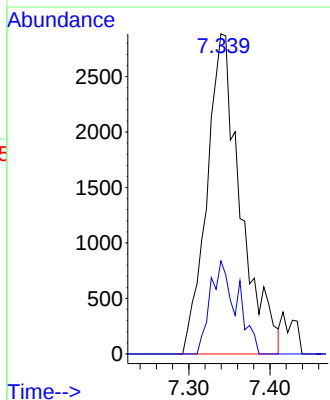
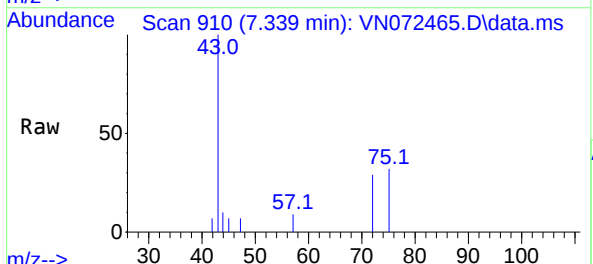
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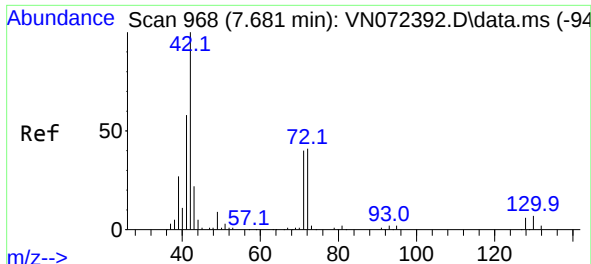
Tgt Ion: 84	Resp: 25449
Ion Ratio	Lower Upper
84 100	
49 129.3	88.3 132.5
51 33.4	28.2 42.2
86 64.2	50.6 76.0



#25
2-Butanone
Concen: 3.952 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Tgt Ion: 43	Resp: 8323		
Ion Ratio	Lower	Upper	
43 100			
72 29.1	23.7	35.5	

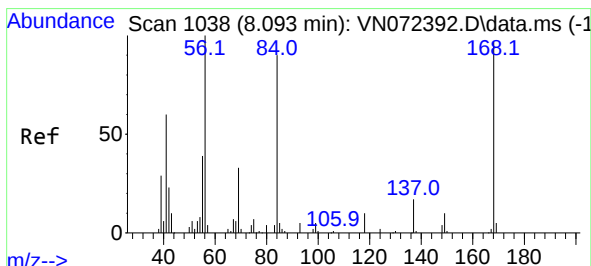
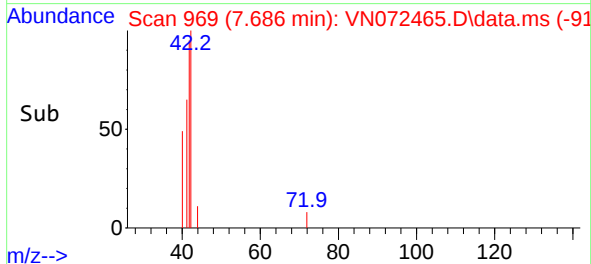
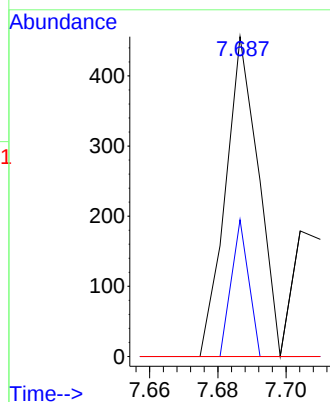
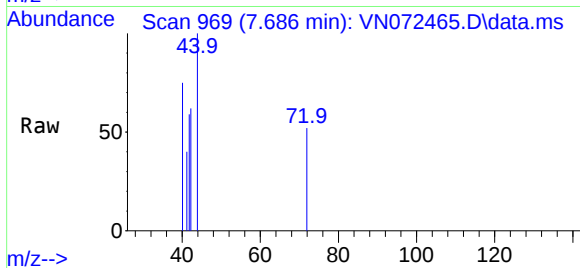




#29
Tetrahydrofuran
Concen: 0.223 ug/l
RT: 7.686 min Scan# 91
Delta R.T. 0.005 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

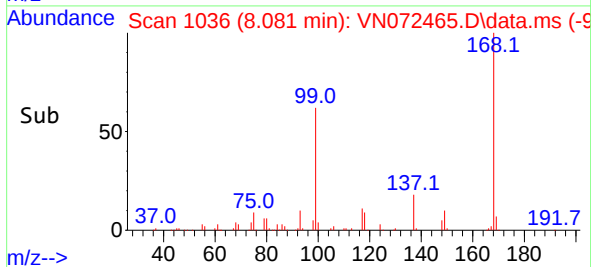
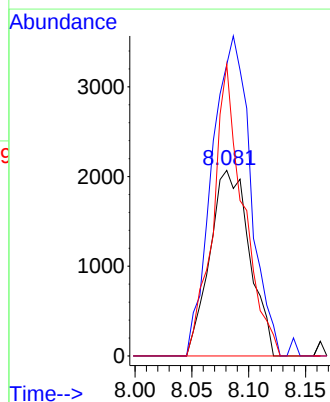
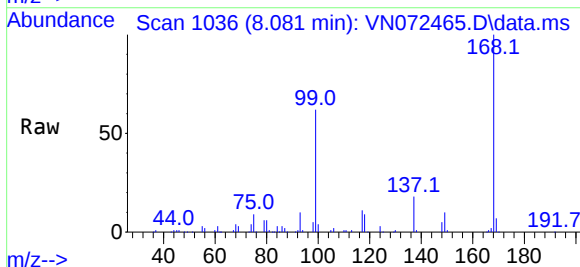
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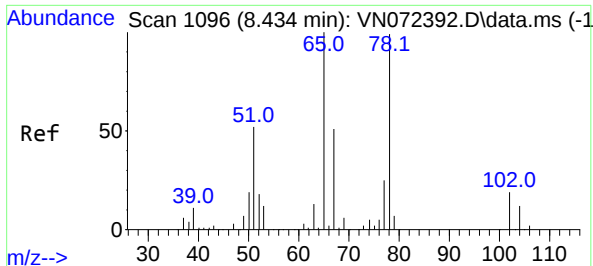
Tgt Ion: 42 Resp: 305
Ion Ratio Lower Upper
42 100
72 22.6 39.7 59.5#
71 0.0 36.6 55.0#



#31
Cyclohexane
Concen: 1.126 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Tgt Ion: 56 Resp: 5027
Ion Ratio Lower Upper
56 100
69 156.9 27.8 41.8#
84 156.9 76.9 115.3#

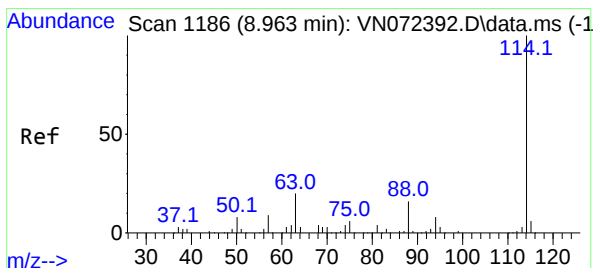
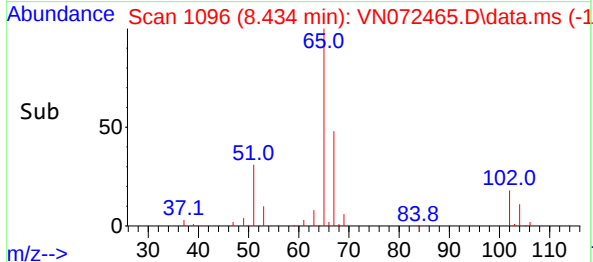
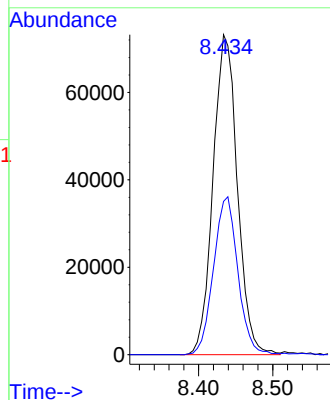
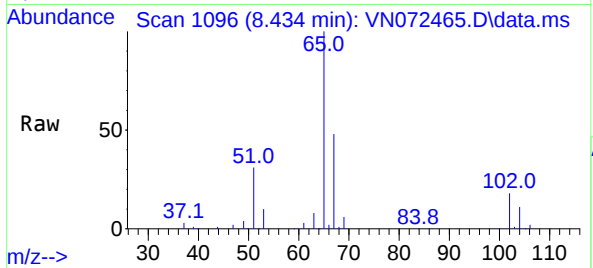




#33
1,2-Dichloroethane-d4
Concen: 49.464 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

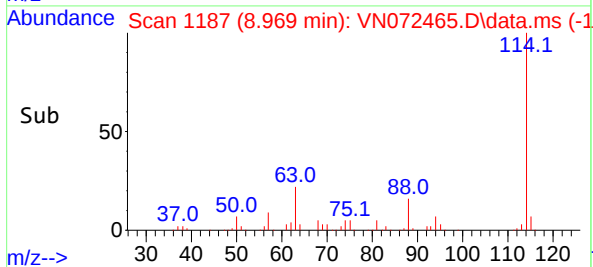
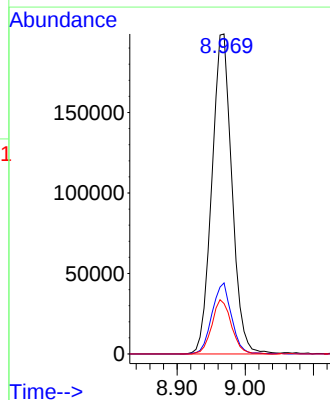
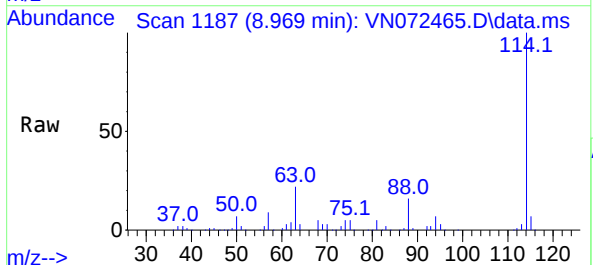
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#01

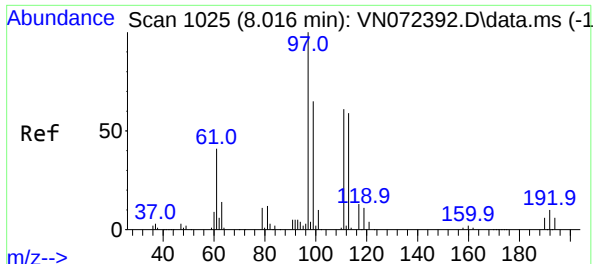
Tgt Ion: 65 Resp: 166674
Ion Ratio Lower Upper
65 100
67 49.4 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.006 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Tgt Ion: 114 Resp: 407037
Ion Ratio Lower Upper
114 100
63 22.2 0.0 40.0
88 15.8 0.0 32.6

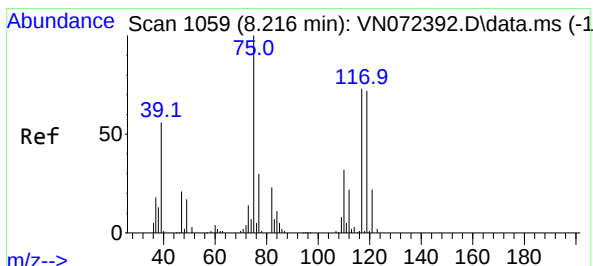
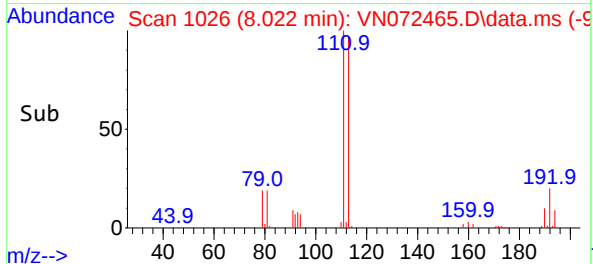
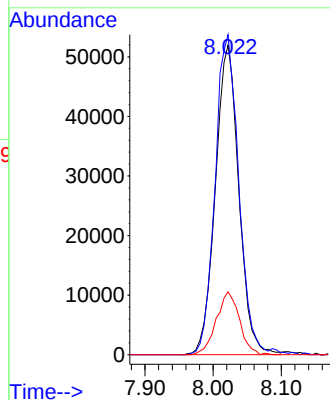
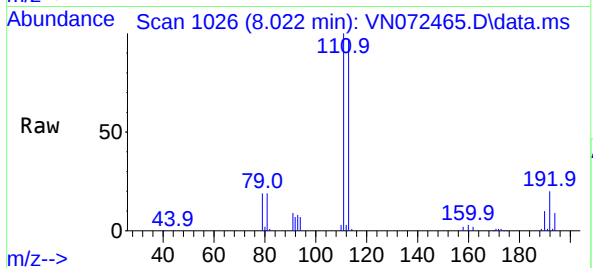




#35
Dibromofluoromethane
Concen: 45.924 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

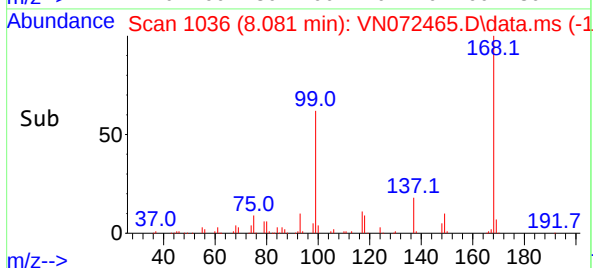
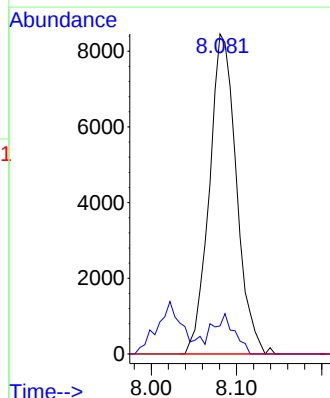
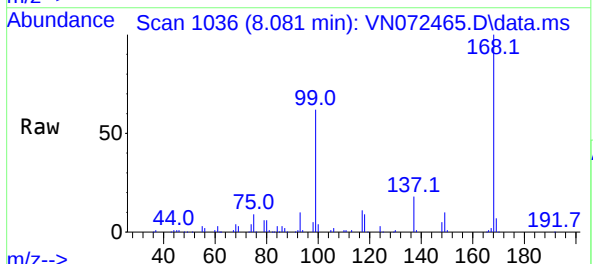
Instrument :
MSVOA_N
ClientSampleId :
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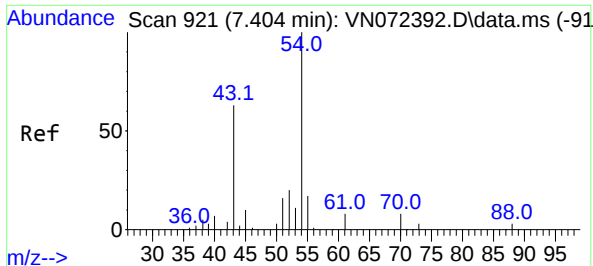
Tgt Ion:113 Resp: 124361
Ion Ratio Lower Upper
113 100
111 103.9 81.4 122.0
192 20.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.795 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Tgt Ion: 75 Resp: 18649
Ion Ratio Lower Upper
75 100
110 11.2 18.3 54.8#
77 0.0 25.1 37.7#

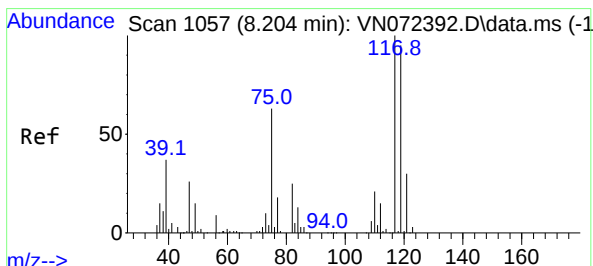
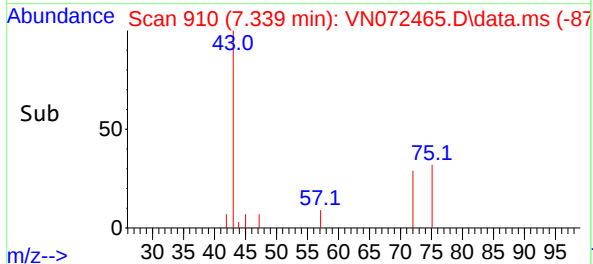
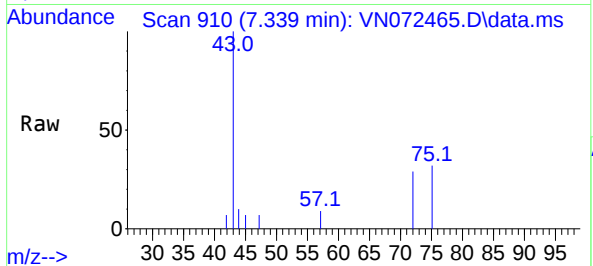




#37
Ethyl Acetate
Concen: 1.784 ug/l
RT: 7.339 min Scan# 91
Delta R.T. -0.065 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

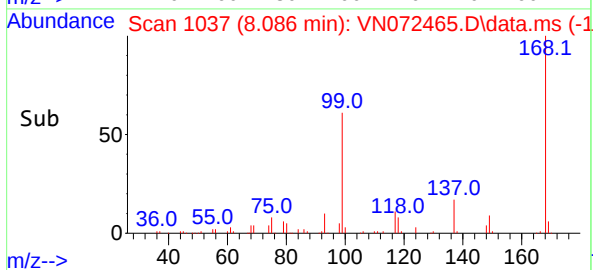
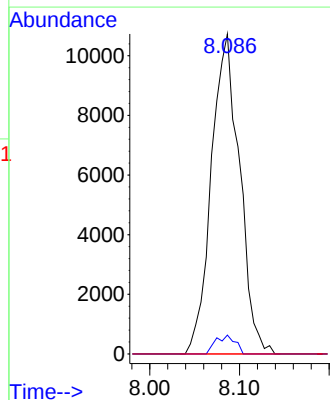
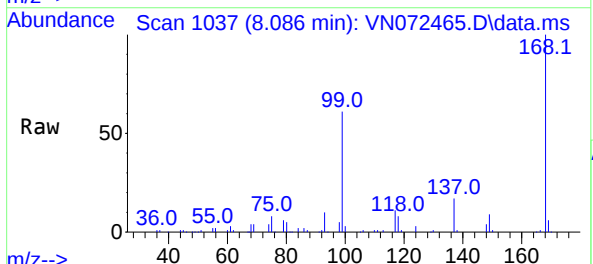
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#01

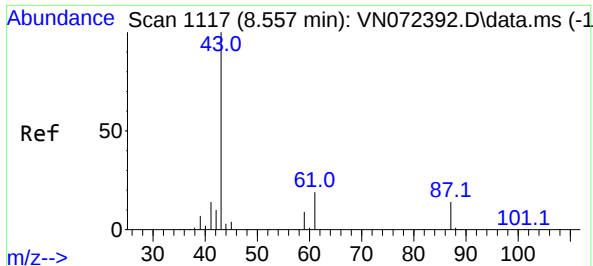
Tgt Ion: 43 Resp: 8323
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.391 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Tgt Ion: 117 Resp: 23466
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#

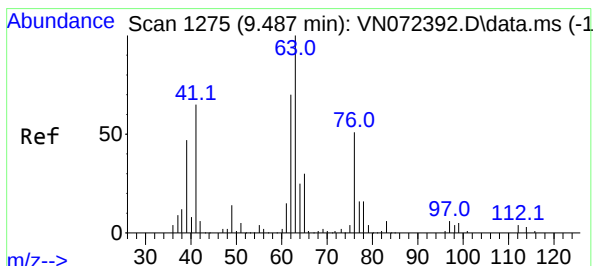
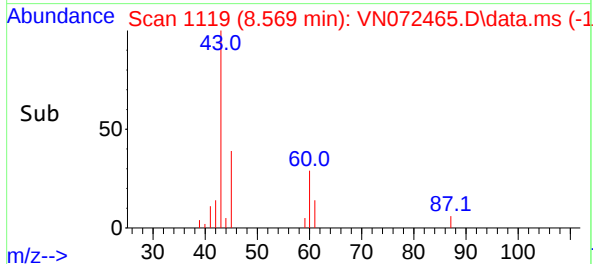
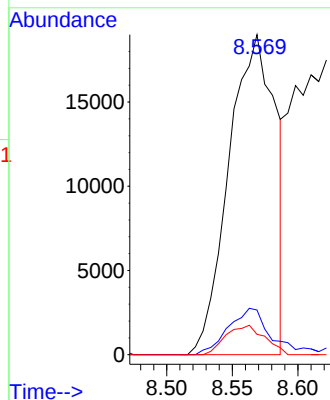
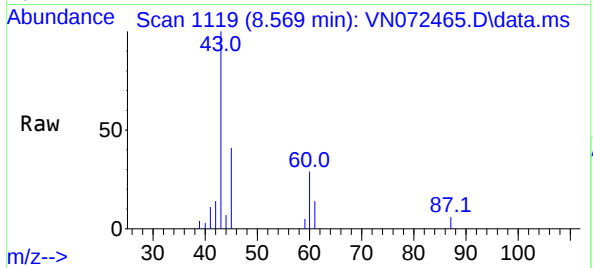




#43
Isopropyl Acetate
Concen: 6.580 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.012 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

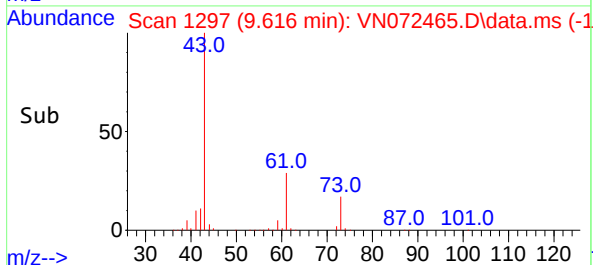
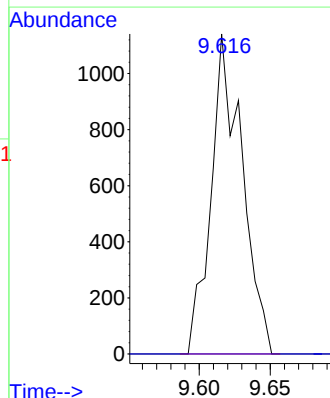
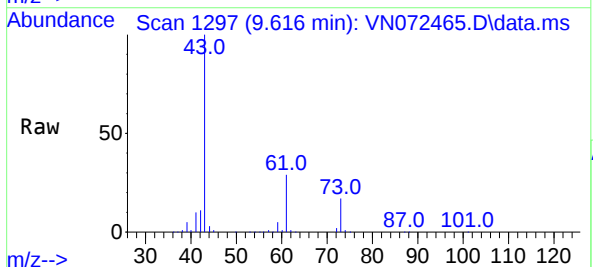
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#01

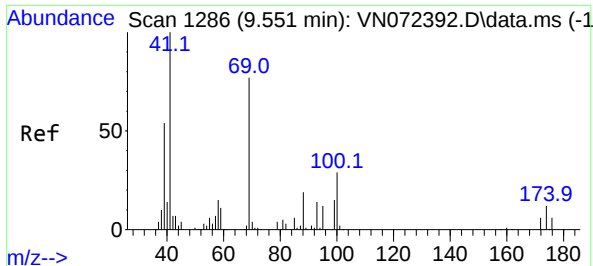
Tgt Ion: 43 Resp: 47161
Ion Ratio Lower Upper
43 100
61 13.3 21.9 32.9#
87 7.6 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.586 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.129 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Tgt Ion: 63 Resp: 1738
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

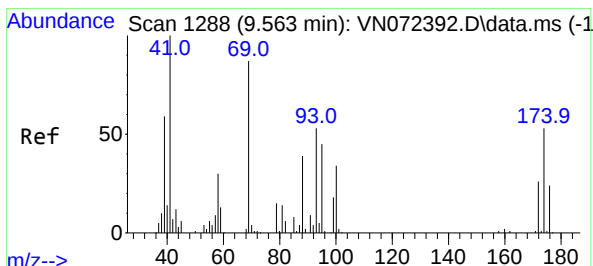
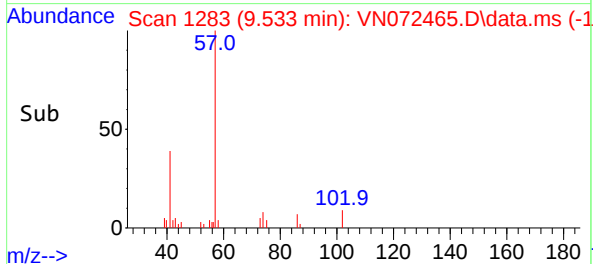
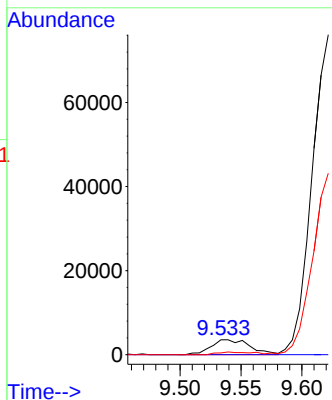
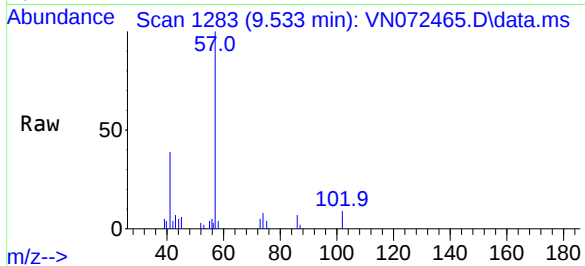




#48
Methyl methacrylate
Concen: 2.383 ug/l
RT: 9.533 min Scan# 1283
Delta R.T. -0.018 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

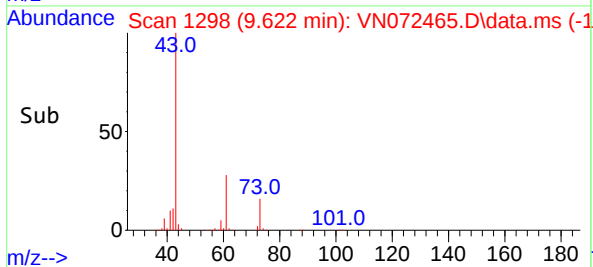
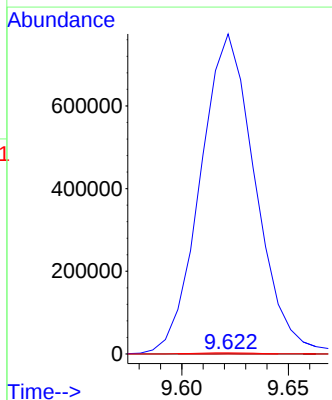
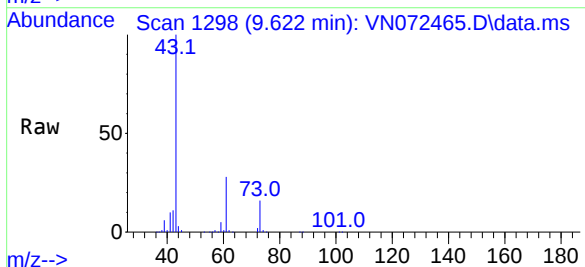
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#01

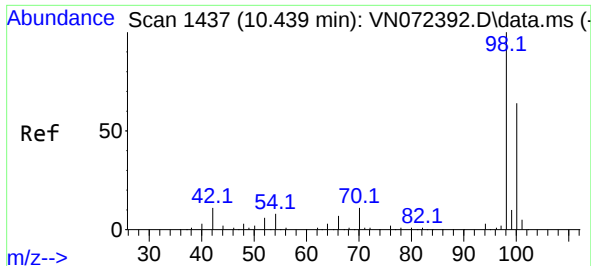
Tgt Ion: 41 Resp: 7970
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 6.942 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Tgt Ion: 88 Resp: 396
Ion Ratio Lower Upper
88 100
43 357286.4 20.2 30.4#
58 1404.0 54.2 81.4#

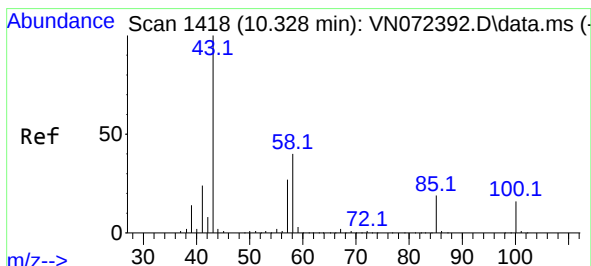
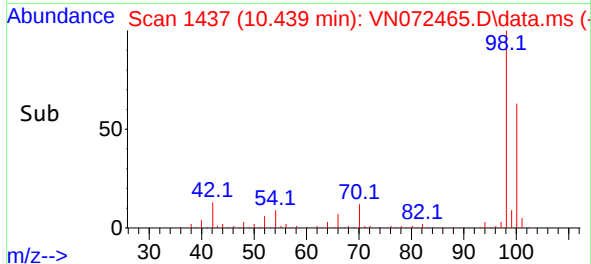
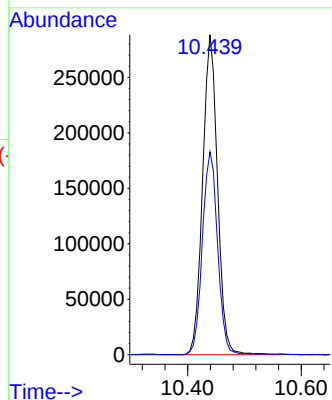
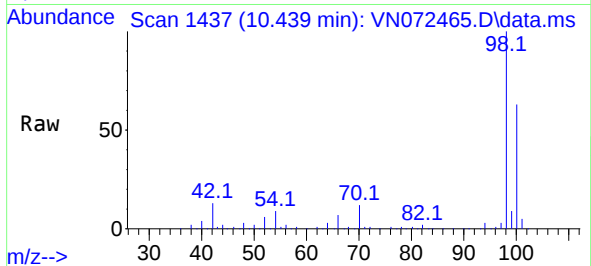




#50
Toluene-d8
Concen: 50.806 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

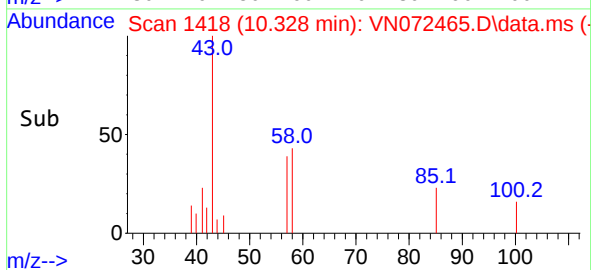
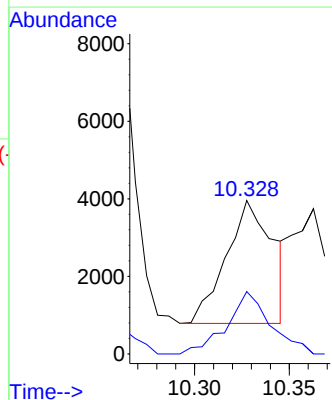
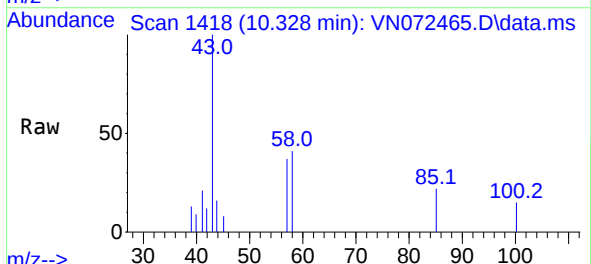
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#01

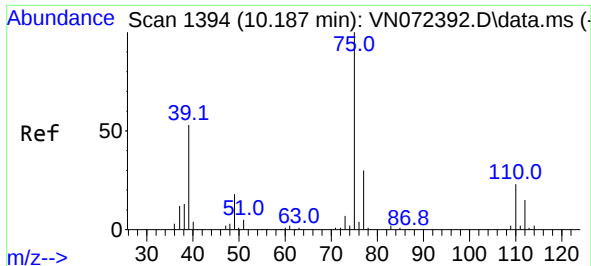
Tgt Ion: 98 Resp: 523990
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.220 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Tgt Ion: 43 Resp: 5430
Ion Ratio Lower Upper
43 100
58 47.3 34.1 51.1

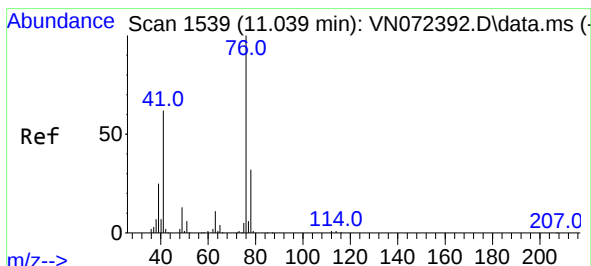
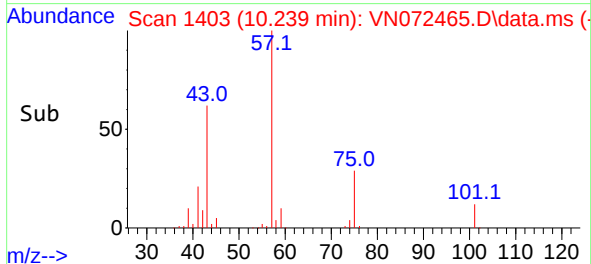
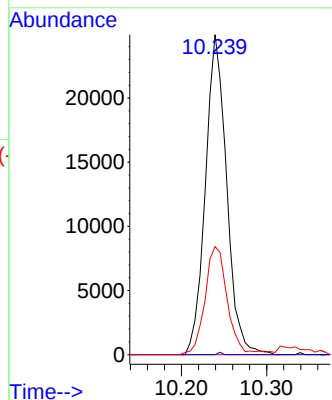
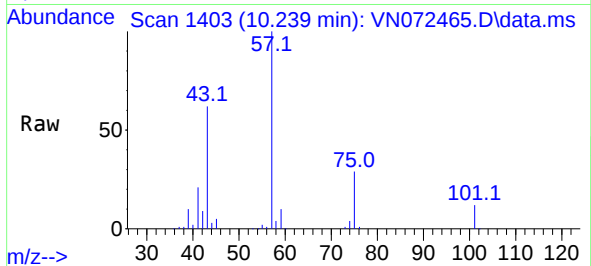




#54
cis-1,3-Dichloropropene
Concen: 9.432 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.052 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

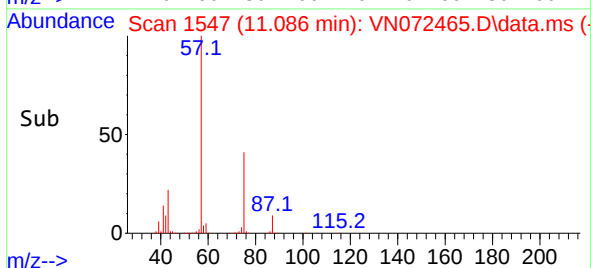
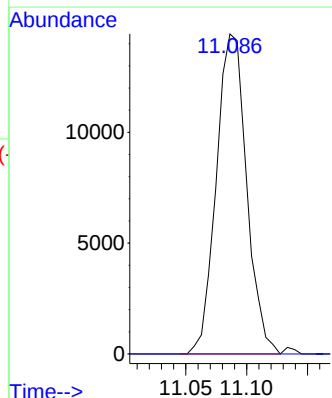
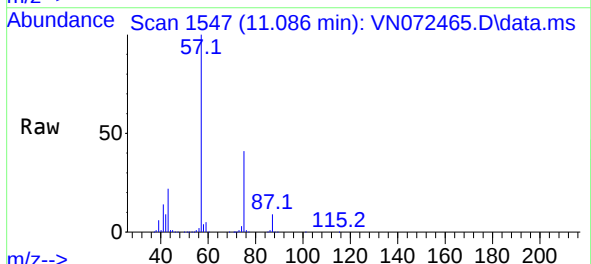
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#01

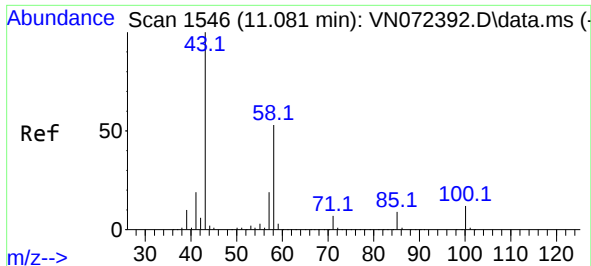
Tgt Ion: 75 Resp: 43146
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 33.8 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 4.919 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Tgt Ion: 76 Resp: 25003
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

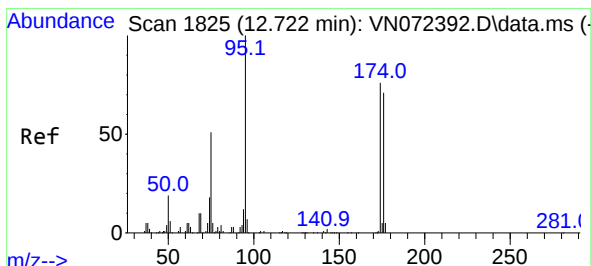
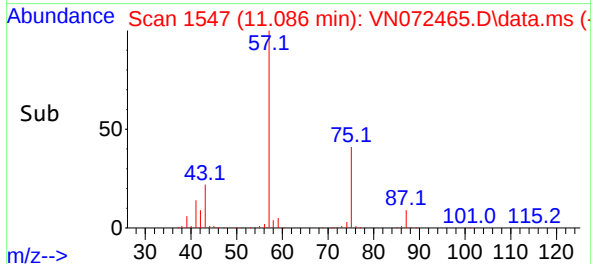
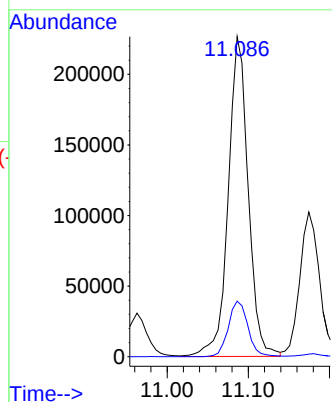
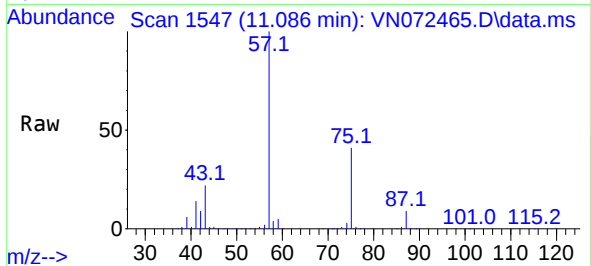




#59
2-Hexanone
Concen: 123.943 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

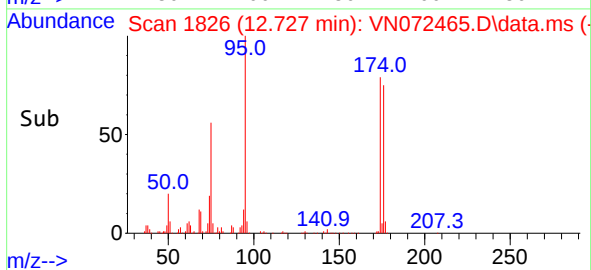
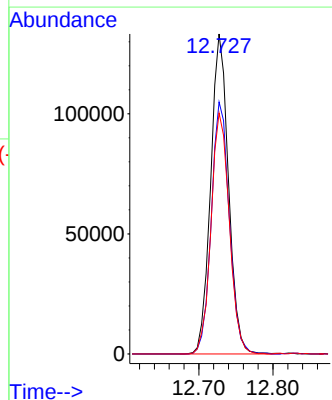
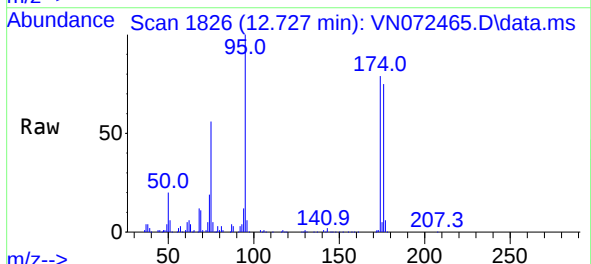
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MSVOA_N
ClientSampleId :
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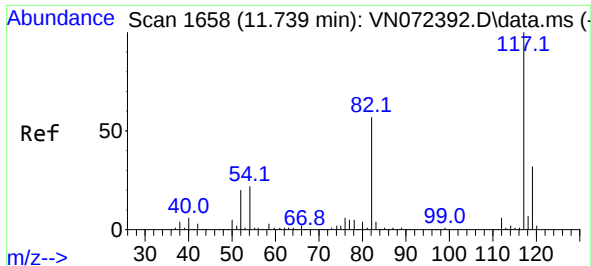
Tgt Ion: 43 Resp: 386807
Ion Ratio Lower Upper
43 100
58 17.1 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 64.939 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.005 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Tgt Ion: 95 Resp: 222425
Ion Ratio Lower Upper
95 100
174 79.6 0.0 167.6
176 77.2 0.0 163.4

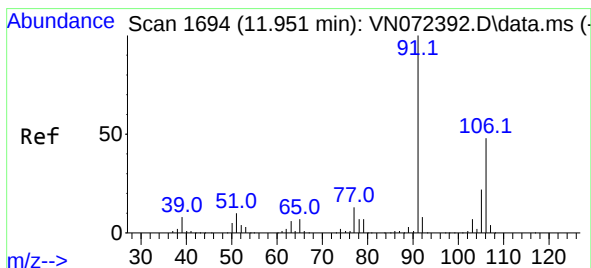
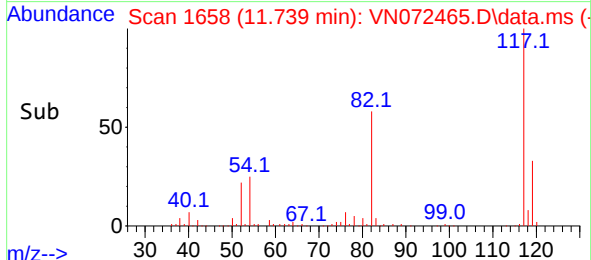
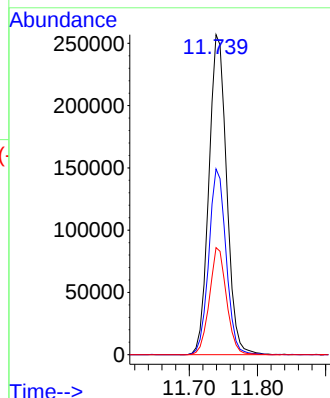
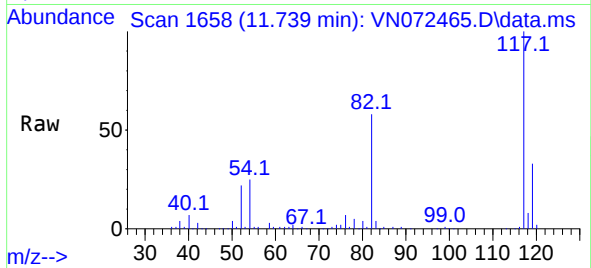




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

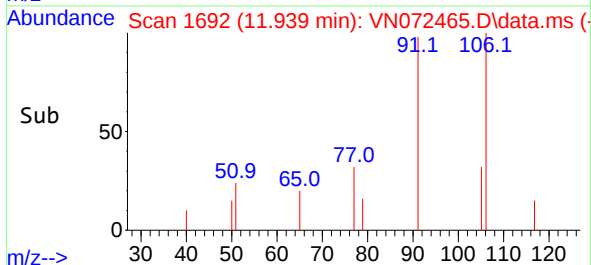
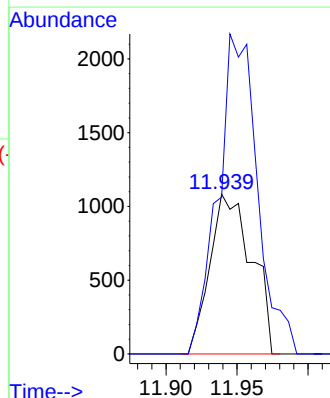
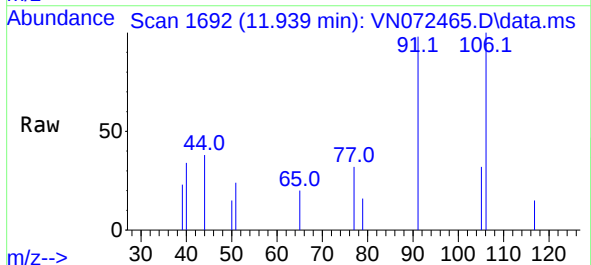
Instrument :
MSVOA_N
ClientSampleId :
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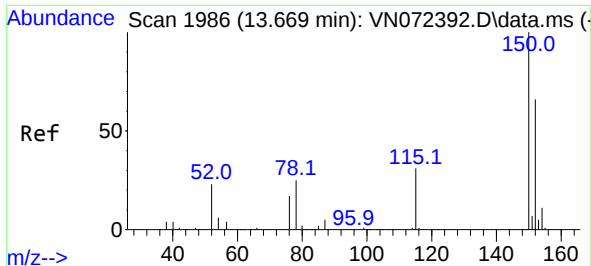
Tgt Ion:117 Resp: 465721
Ion Ratio Lower Upper
117 100
82 58.1 44.2 66.2
119 33.4 25.4 38.0



#68
m/p-Xylenes
Concen: 0.355 ug/l
RT: 11.939 min Scan# 1692
Delta R.T. -0.012 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Tgt Ion:106 Resp: 2212
Ion Ratio Lower Upper
106 100
91 189.8 158.9 238.3

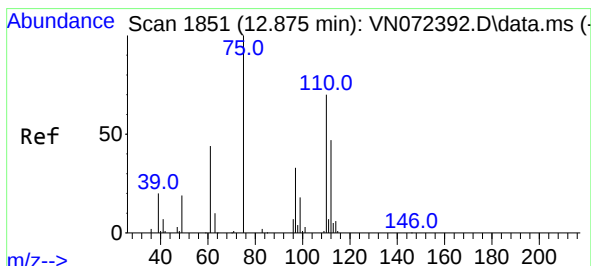
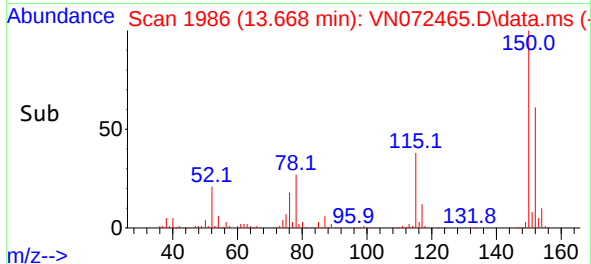
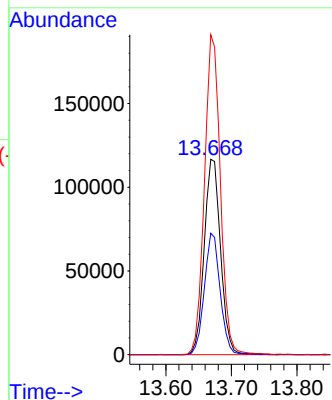
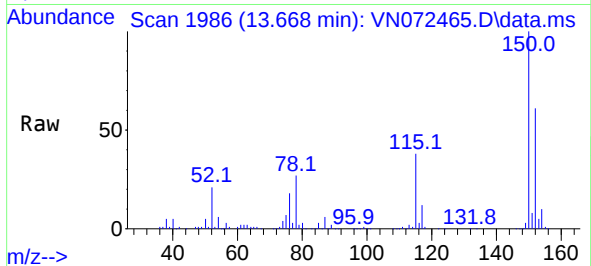




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072465.D
 Acq: 12 May 2022 20:09

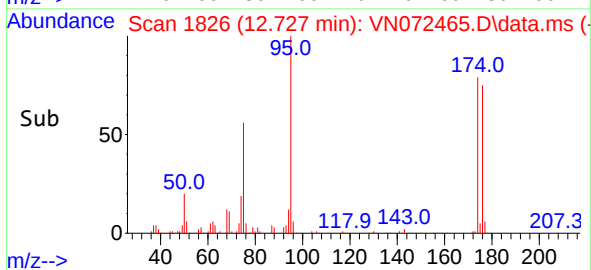
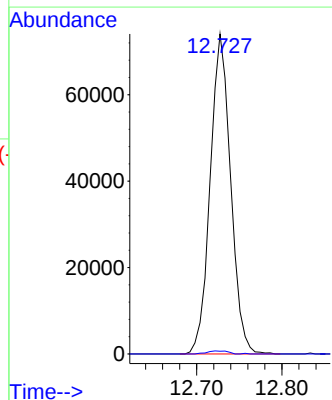
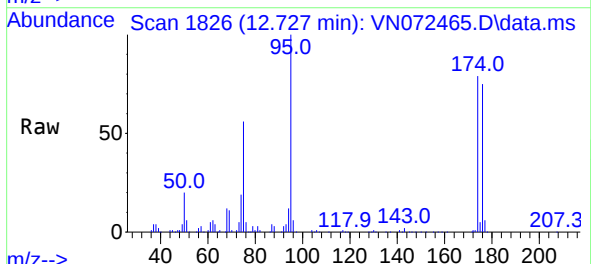
Instrument :
 MSVOA_N
 ClientSampleId :
 PB144752ZHE#01

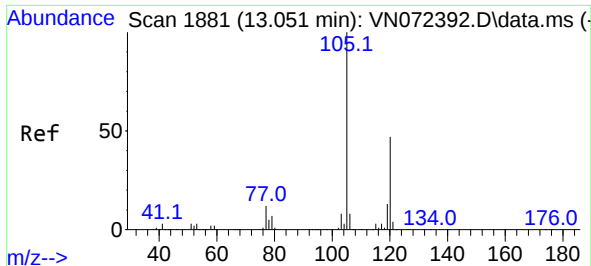
Tgt Ion:152 Resp: 202993
 Ion Ratio Lower Upper
 152 100
 115 60.1 28.9 86.7
 150 159.1 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 23.332 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.148 min
 Lab File: VN072465.D
 Acq: 12 May 2022 20:09

Tgt Ion: 75 Resp: 123532
 Ion Ratio Lower Upper
 75 100
 77 1.0 98.5 295.5#

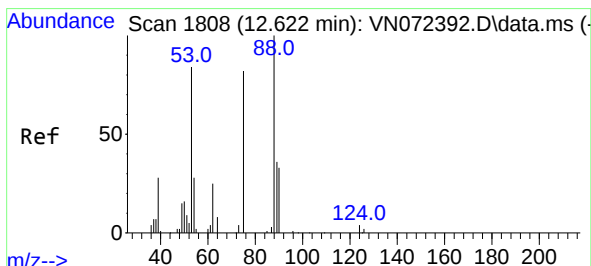
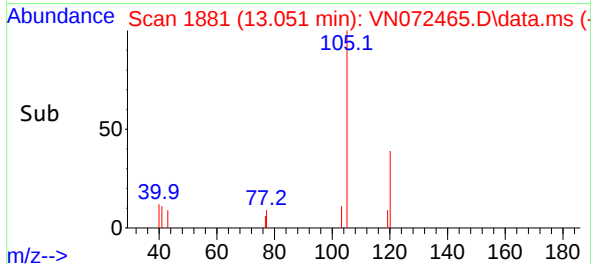
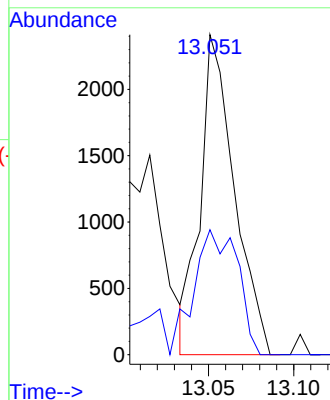
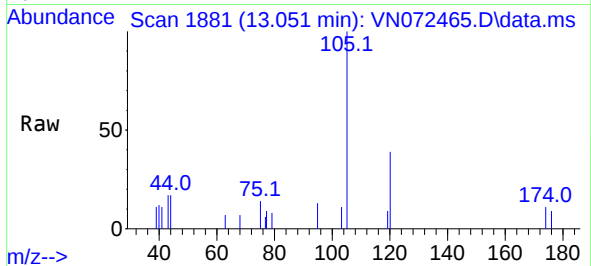




#80
1,3,5-Trimethylbenzene
Concen: 0.244 ug/l
RT: 13.051 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

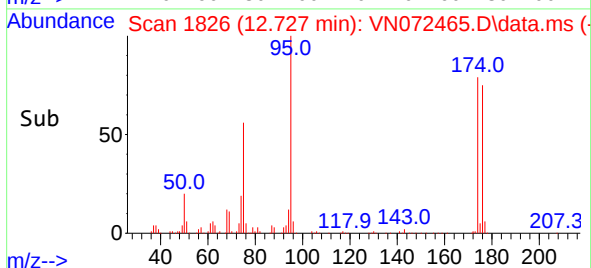
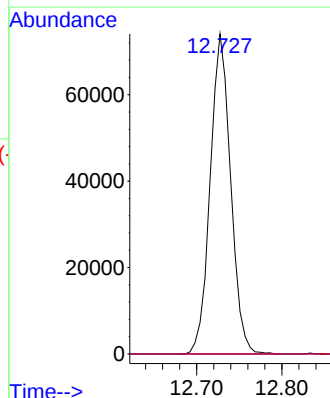
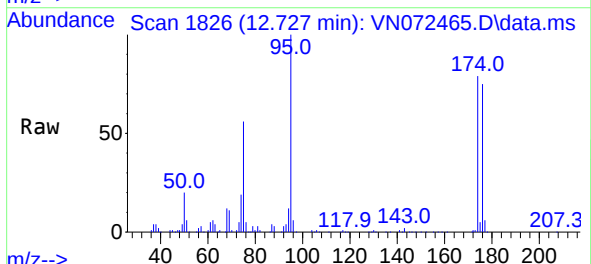
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#01

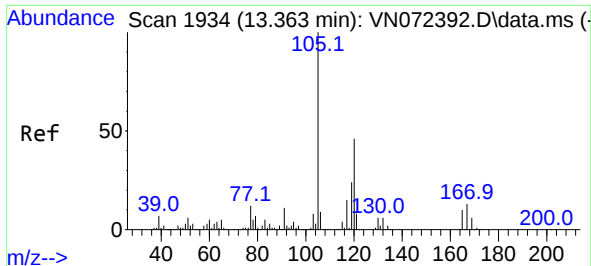
Tgt Ion:105 Resp: 3359
Ion Ratio Lower Upper
105 100
120 50.1 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 77.837 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Tgt Ion: 75 Resp: 123532
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

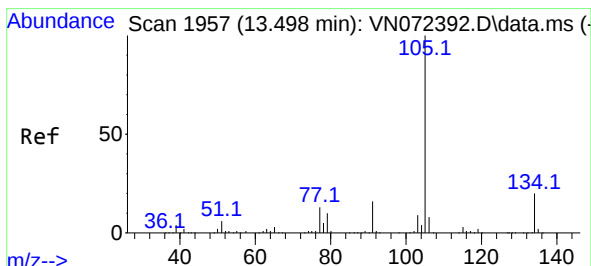
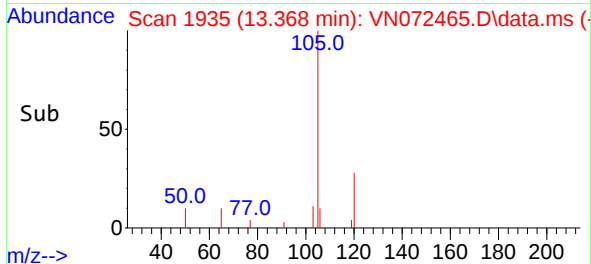
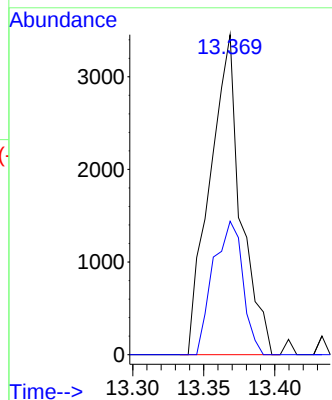
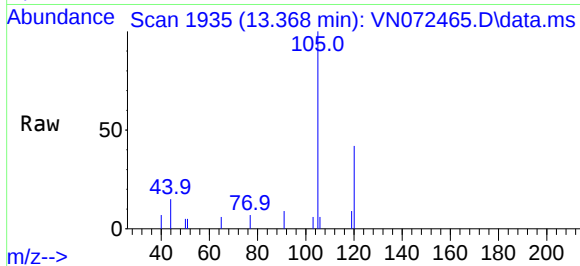




#84
1,2,4-Trimethylbenzene
Concen: 0.391 ug/l
RT: 13.368 min Scan# 1935
Delta R.T. 0.005 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

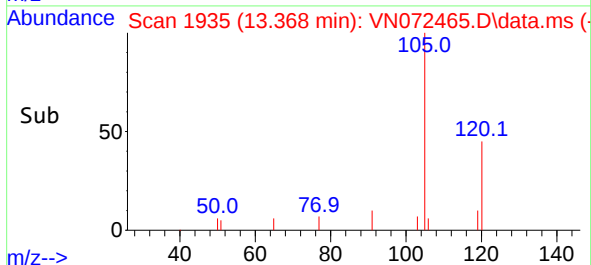
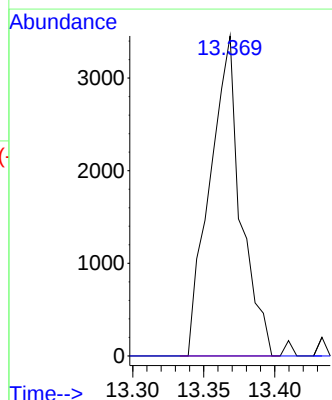
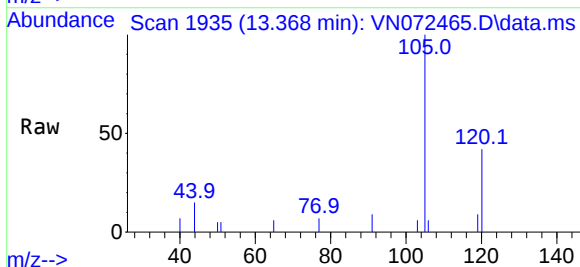
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#01

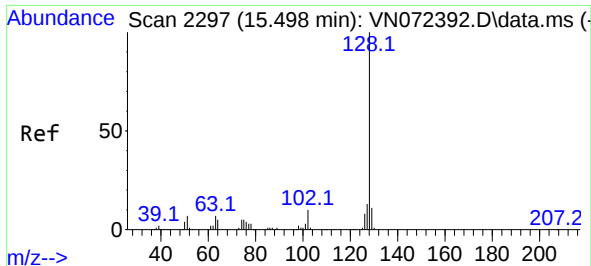
Tgt Ion:105 Resp: 5233
Ion Ratio Lower Upper
105 100
120 39.9 23.3 69.8



#85
sec-Butylbenzene
Concen: 0.325 ug/l
RT: 13.368 min Scan# 1935
Delta R.T. -0.130 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

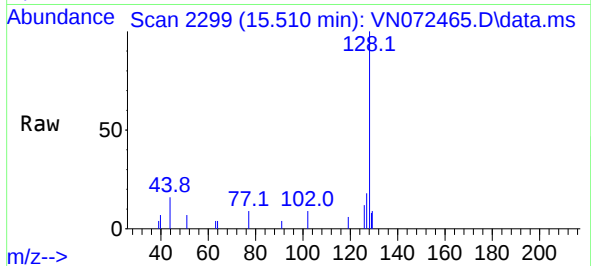
Tgt Ion:105 Resp: 5233
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#95
Naphthalene
Concen: 4.030 ug/l
RT: 15.510 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN072465.D
Acq: 12 May 2022 20:09

Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#01



Tgt Ion:	128	Resp:	8844
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.9	8.6	13.0

