

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051222\
 Data File : VN072466.D
 Acq On : 12 May 2022 20:34
 Operator : JC\MD
 Sample : PB144752ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144752ZHE#02

Quant Time: May 13 02:50:17 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)

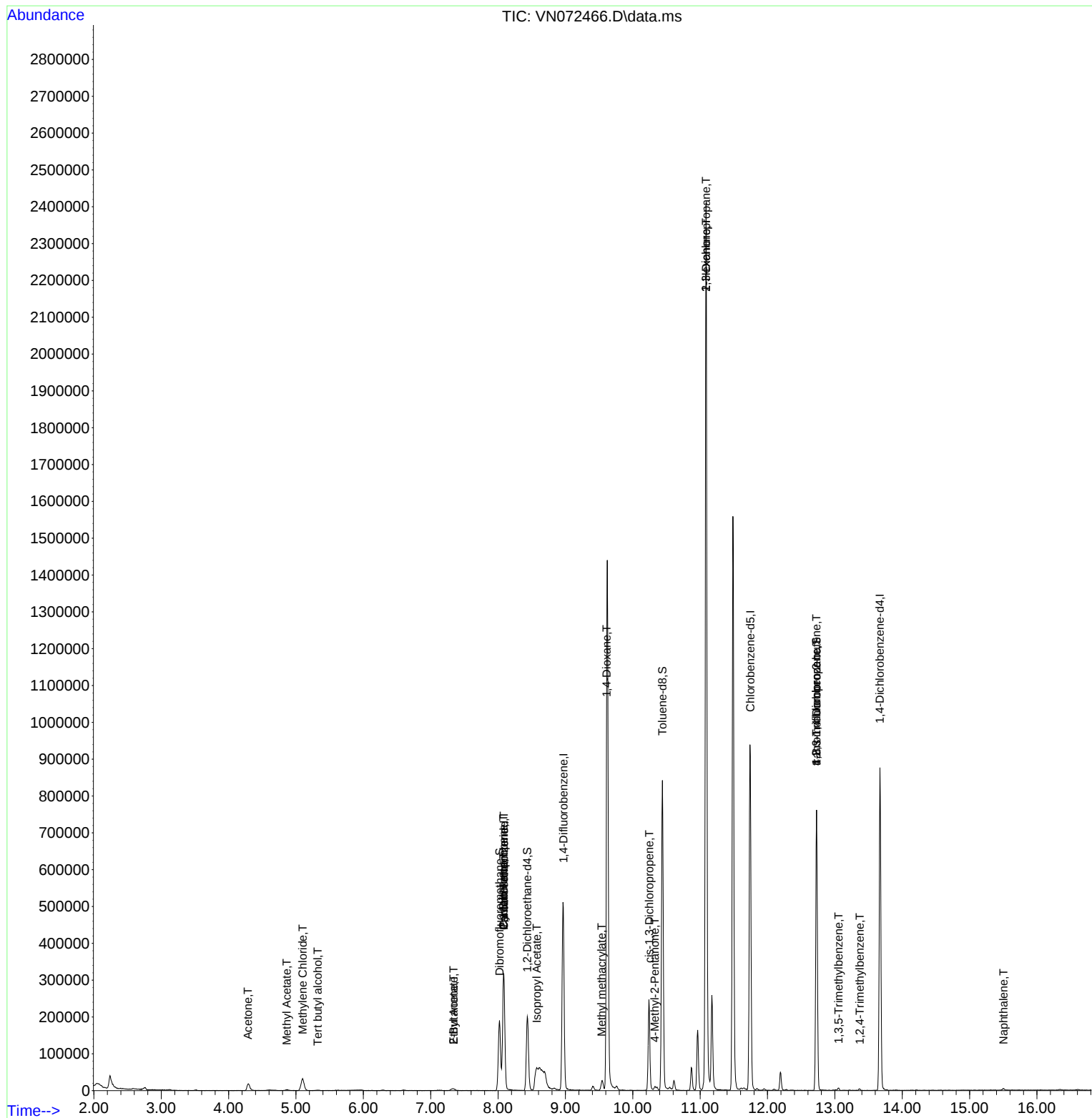
Internal Standards						
1) Pentafluorobenzene	8.086	168	236972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	443877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	551428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	234681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	182110	50.173	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.340%	
35) Dibromofluoromethane	8.022	113	138669	46.957	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 93.920%	
50) Toluene-d8	10.439	98	573841	51.022	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.040%	
62) 4-Bromofluorobenzene	12.727	95	258356	69.169	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 138.340%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1021	Below Cal	#	43
6) Chloroethane	3.016	64	514	Below Cal	#	42
11) Tert butyl alcohol	5.322	59	1648	2.777	ug/l #	72
16) Acetone	4.287	43	36429	25.343	ug/l	97
18) Methyl Acetate	4.863	43	5123	1.210	ug/l #	86
20) Methylene Chloride	5.098	84	25291	8.581	ug/l	90
25) 2-Butanone	7.339	43	8346	3.679	ug/l #	69
31) Cyclohexane	8.081	56	5596	1.164	ug/l #	24
36) 1,1-Dichloropropene	8.081	75	19258	4.540	ug/l #	48
37) Ethyl Acetate	7.339	43	8346	1.640	ug/l #	67
38) Carbon Tetrachloride	8.086	117	24519	5.165	ug/l #	15
43) Isopropyl Acetate	8.575	43	71984	9.209	ug/l #	69
48) Methyl methacrylate	9.539	41	7302	2.002	ug/l #	10
49) 1,4-Dioxane	9.610	88	53	0.852	ug/l #	1
51) 4-Methyl-2-Pentanone	10.327	43	7072	1.457	ug/l	93
54) cis-1,3-Dichloropropene	10.245	75	41349	8.289	ug/l #	66
57) 1,3-Dichloropropane	11.086	76	25748	4.646	ug/l #	42
59) 2-Hexanone	11.086	43	391795	115.121	ug/l #	44
76) 1,2,3-Trichloropropane	12.727	75	139943	22.863	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	3444	0.216	ug/l	83
81) trans-1,4-Dichloro-2-b...	12.727	75	139943	76.272	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.368	105	3152	0.203	ug/l	96
95) Naphthalene	15.504	128	5336	3.622	ug/l	96

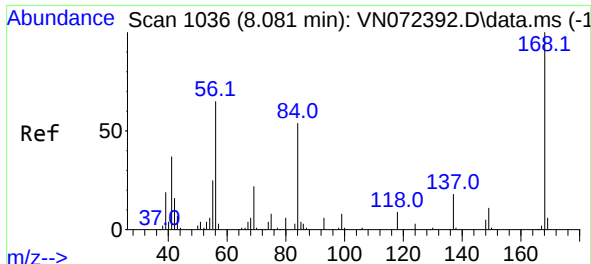
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 10 15:43:28 2022
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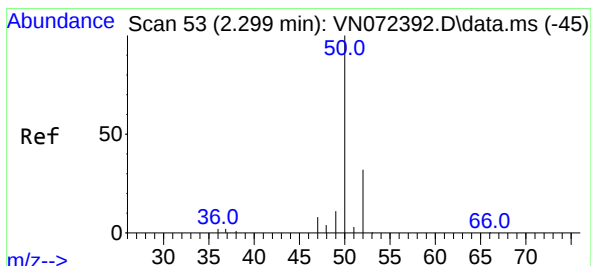
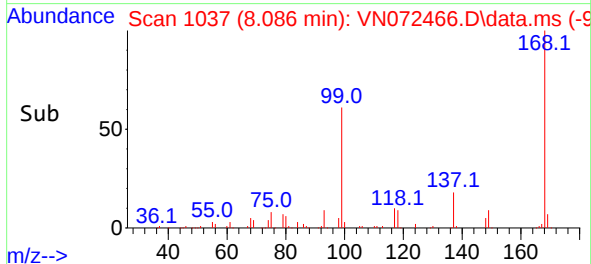
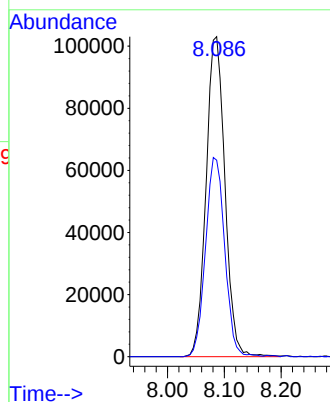
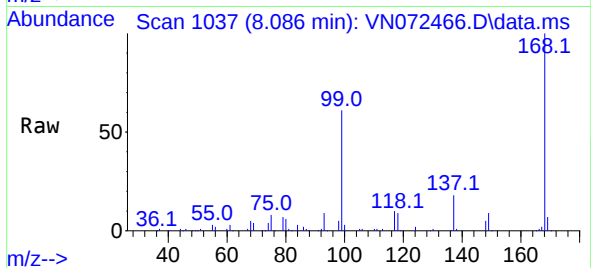




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

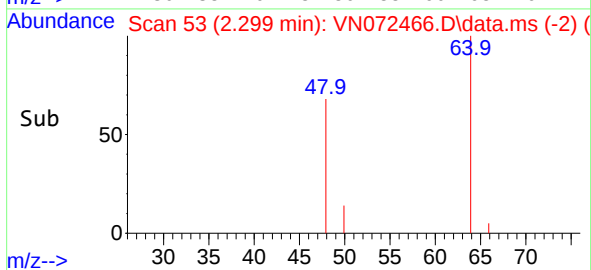
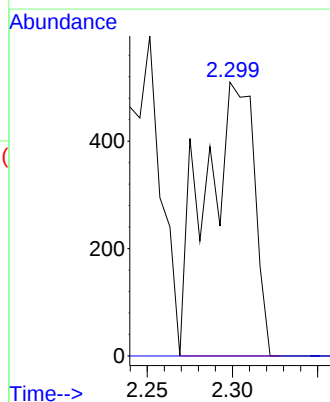
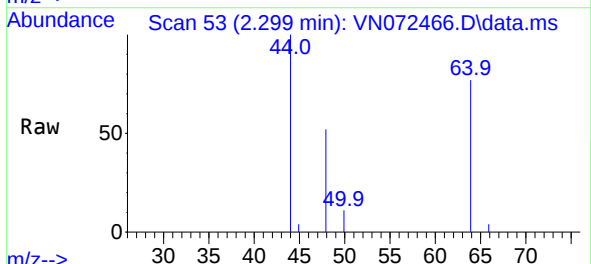
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#02

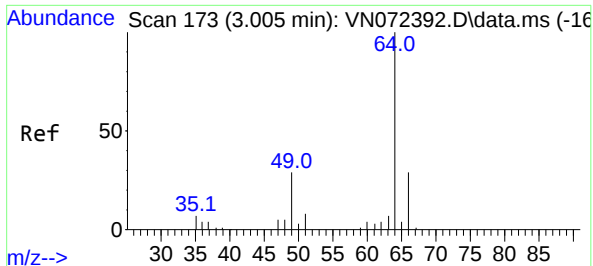
Tgt Ion:168 Resp: 236972
Ion Ratio Lower Upper
168 100
99 61.4 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

Tgt Ion: 50 Resp: 1021
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

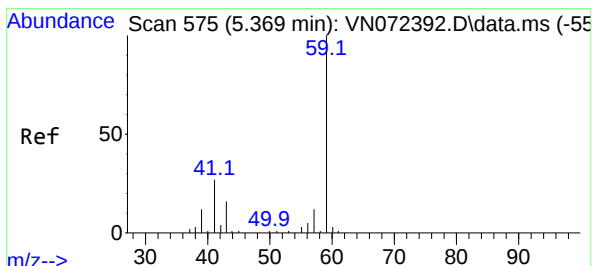
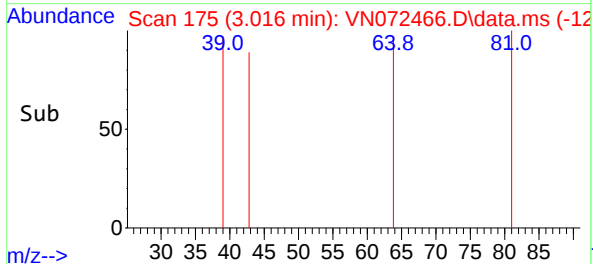
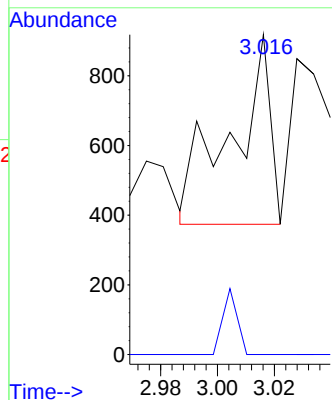
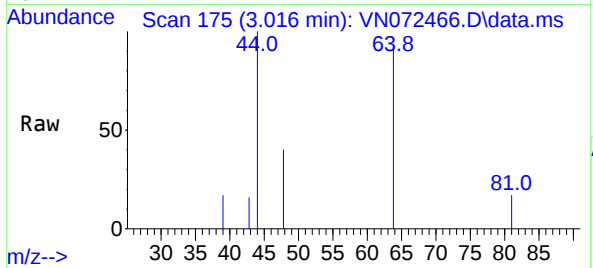




#6
Chloroethane
Concen: Below Cal
RT: 3.016 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

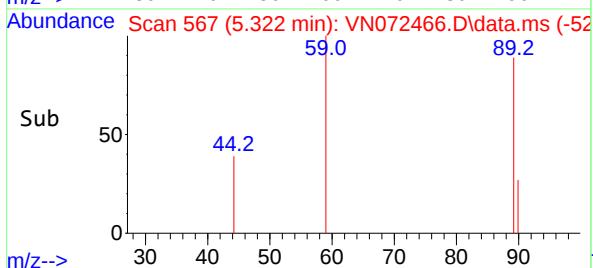
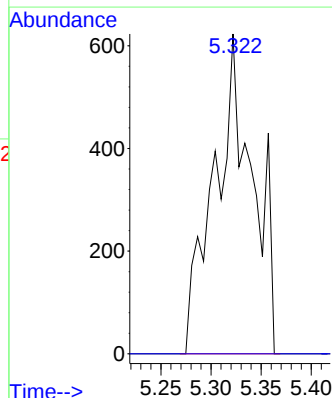
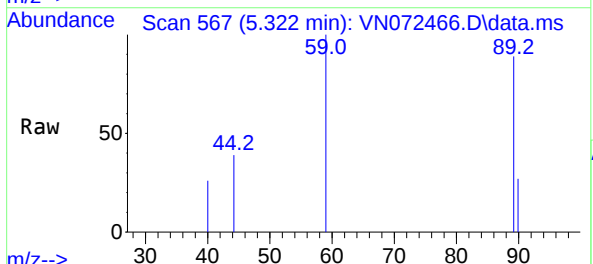
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#02

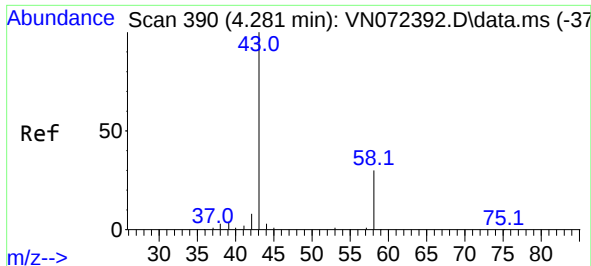
Tgt Ion: 64 Resp: 514
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.777 ug/l
RT: 5.322 min Scan# 567
Delta R.T. -0.047 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

Tgt Ion: 59 Resp: 1648
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

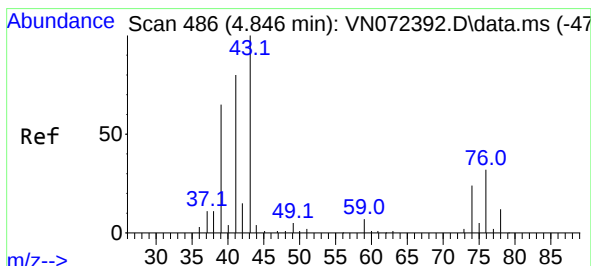
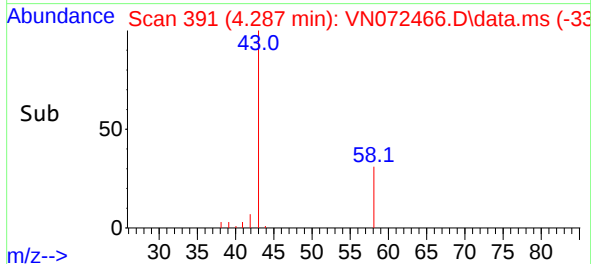
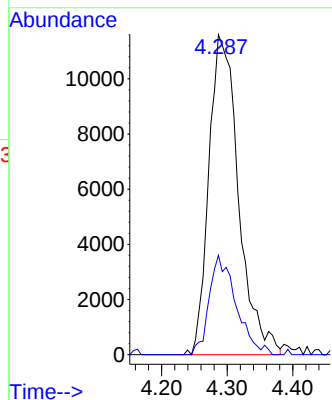
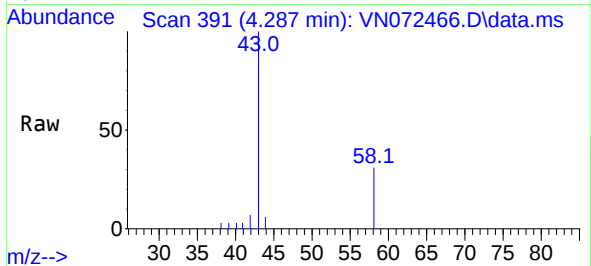




#16
Acetone
Concen: 25.343 ug/l
RT: 4.287 min Scan# 390
Delta R.T. 0.006 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

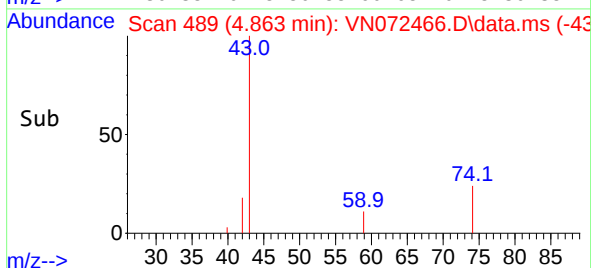
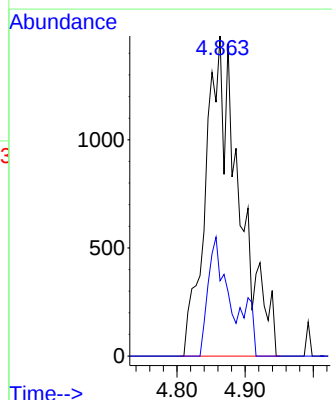
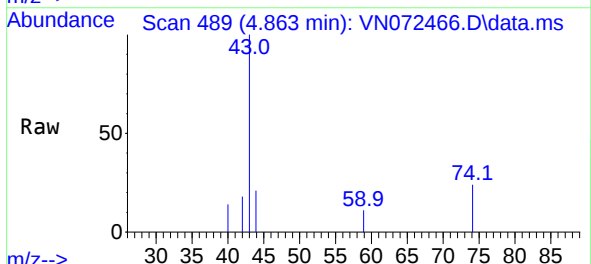
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#02

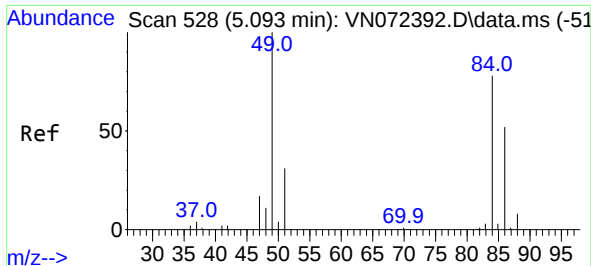
Tgt Ion: 43 Resp: 36429
Ion Ratio Lower Upper
43 100
58 31.0 26.0 39.0



#18
Methyl Acetate
Concen: 1.210 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

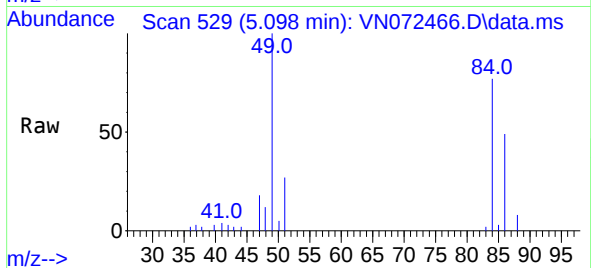
Tgt Ion: 43 Resp: 5123
Ion Ratio Lower Upper
43 100
74 19.8 21.6 32.4#



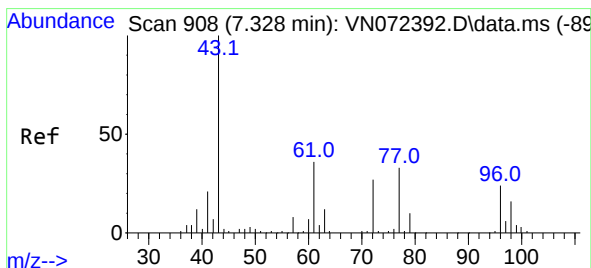
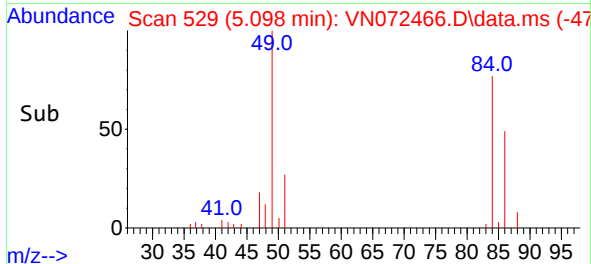
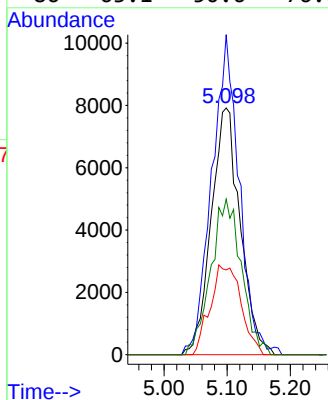


#20
Methylene Chloride
Concen: 8.581 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#02

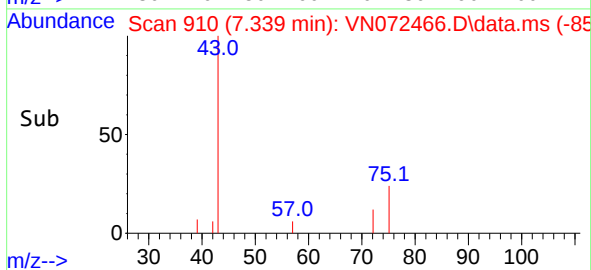
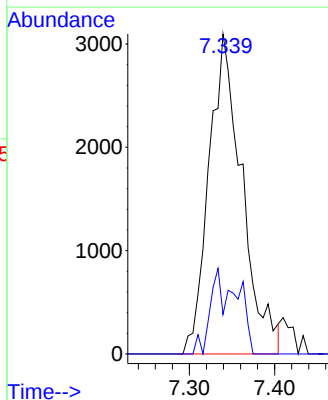
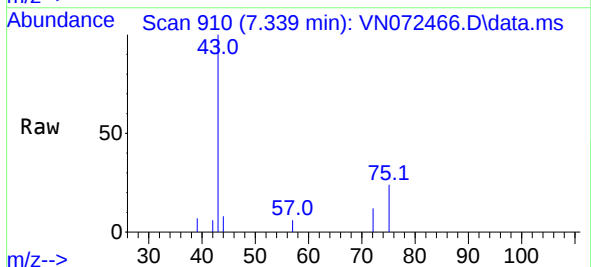


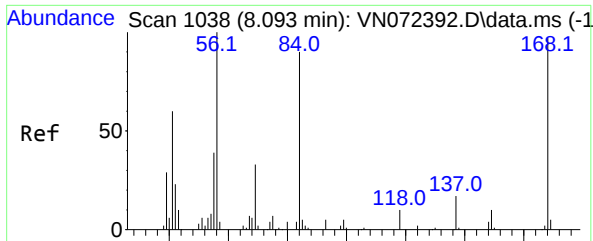
Tgt Ion:	84	Resp:	25291
Ion	Ratio	Lower	Upper
84	100		
49	129.7	88.3	132.5
51	34.4	28.2	42.2
86	63.1	50.6	76.0



#25
2-Butanone
Concen: 3.679 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

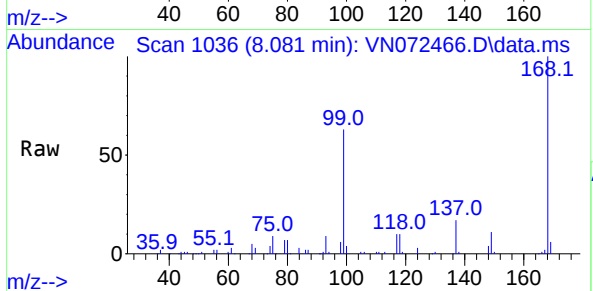
Tgt Ion:	43	Resp:	8346
Ion	Ratio	Lower	Upper
43	100		
72	13.0	23.7	35.5#



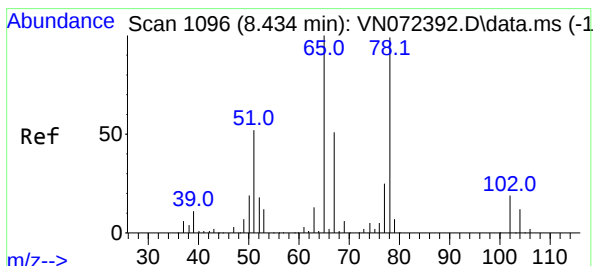
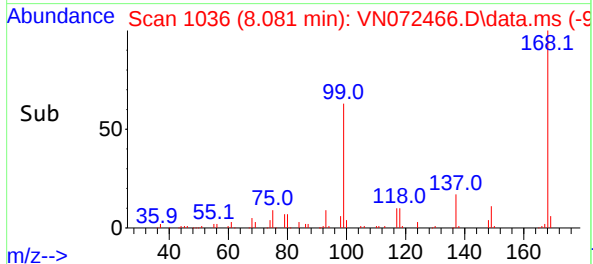
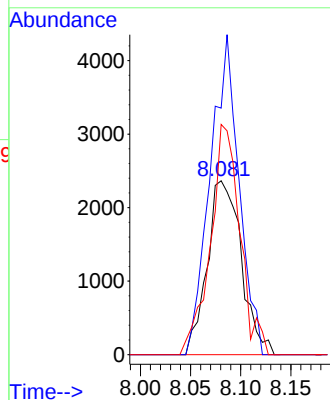


#31
Cyclohexane
Concen: 1.164 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

Instrument :
MSVOA_N
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PB144752ZHE#02

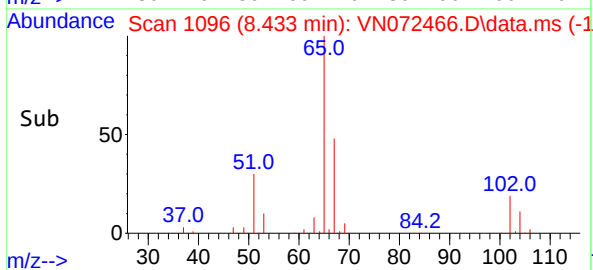
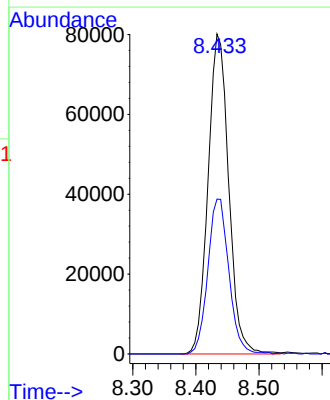
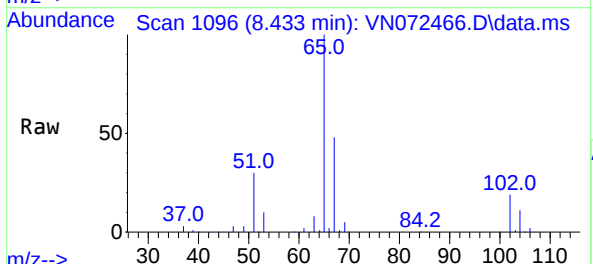


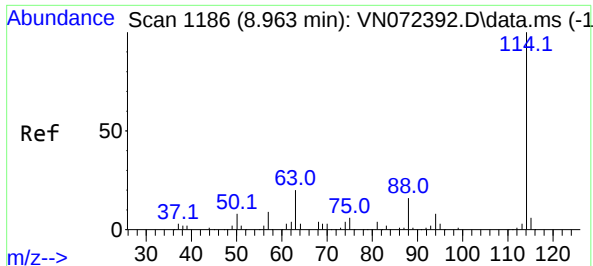
Tgt Ion: 56 Resp: 5596
Ion Ratio Lower Upper
56 100
69 141.8 27.8 41.8#
84 132.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 50.173 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

Tgt Ion: 65 Resp: 182110
Ion Ratio Lower Upper
65 100
67 49.4 0.0 104.8

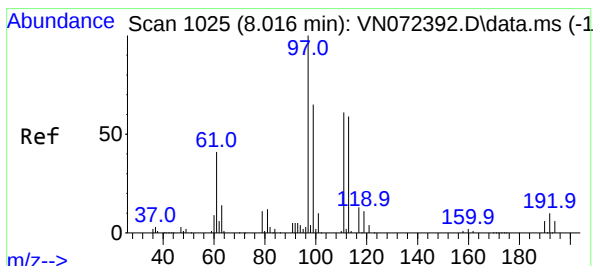
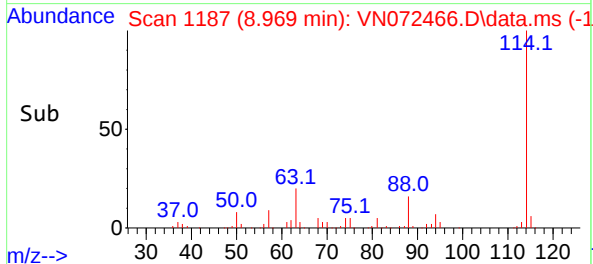
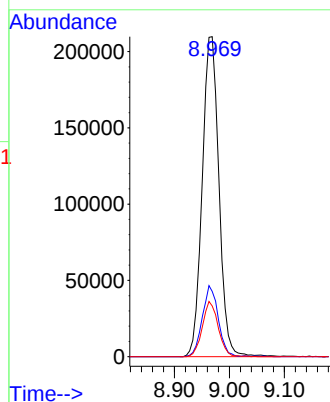
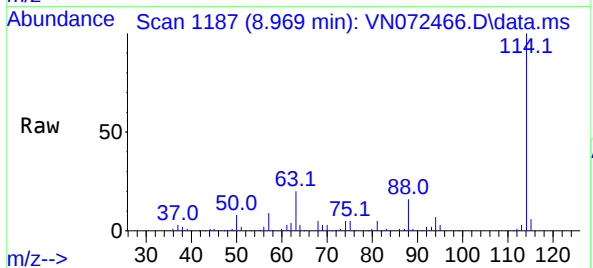




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.969 min Scan# 1186
Delta R.T. 0.006 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

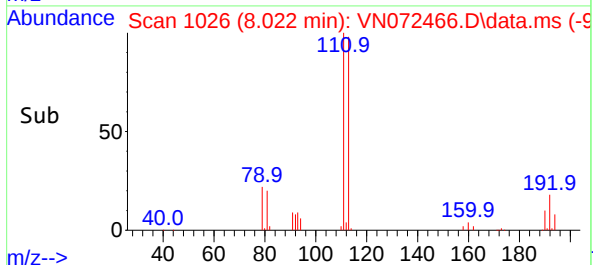
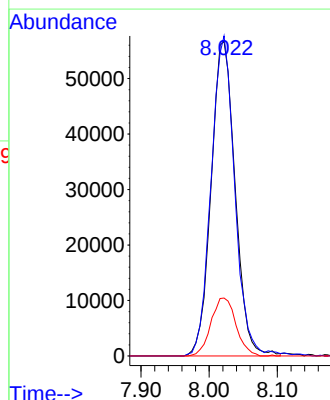
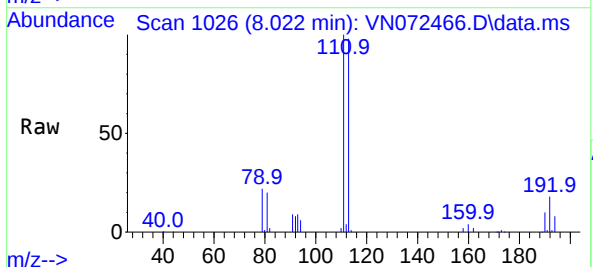
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#02

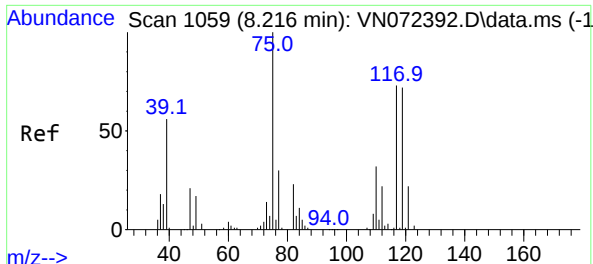
Tgt Ion:114 Resp: 443877
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.0
88 15.8 0.0 32.6



#35
Dibromofluoromethane
Concen: 46.957 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

Tgt Ion:113 Resp: 138669
Ion Ratio Lower Upper
113 100
111 100.3 81.4 122.0
192 19.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.540 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN072466.D

Acq: 12 May 2022 20:34

Instrument :

MSVOA_N

ClientSampleId :

PB144752ZHE#02

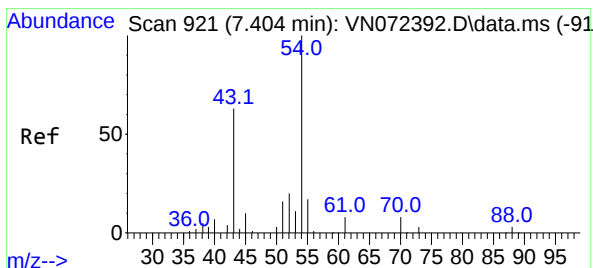
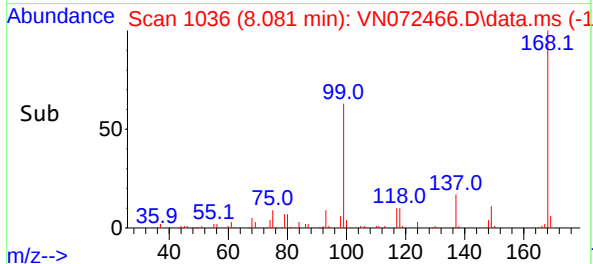
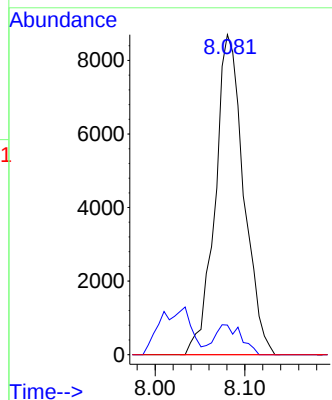
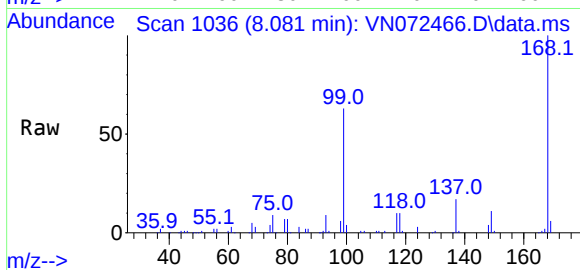
Tgt Ion: 75 Resp: 19258

Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 1.640 ug/l

RT: 7.339 min Scan# 910

Delta R.T. -0.065 min

Lab File: VN072466.D

Acq: 12 May 2022 20:34

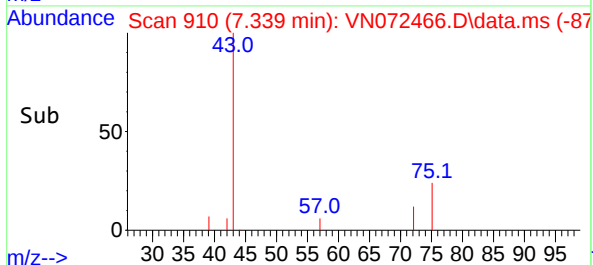
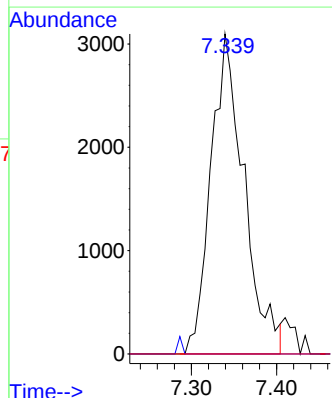
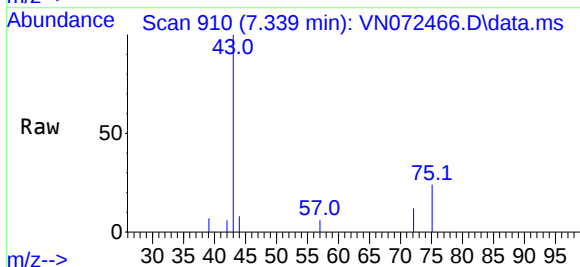
Tgt Ion: 43 Resp: 8346

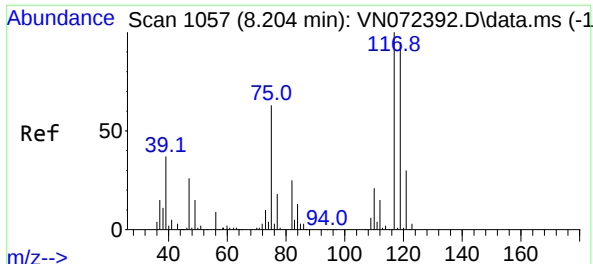
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

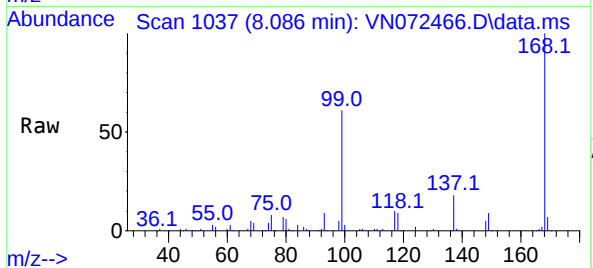
70 0.0 9.3 13.9#



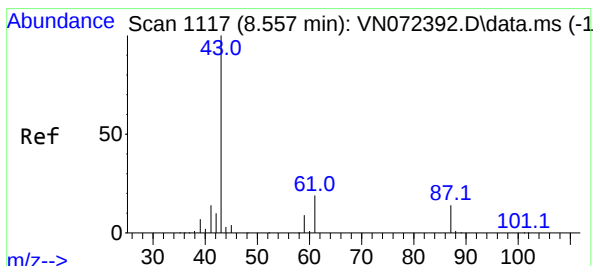
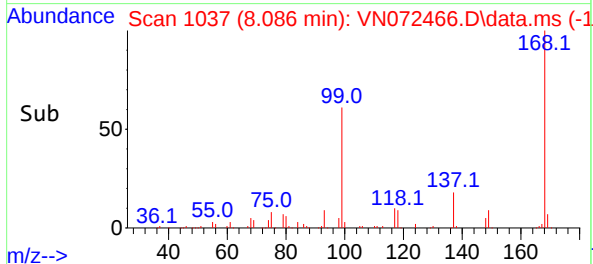
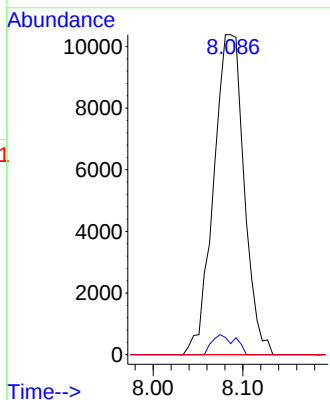


#38
Carbon Tetrachloride
Concen: 5.165 ug/l
RT: 8.086 min Scan# 110
Delta R.T. -0.118 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#02

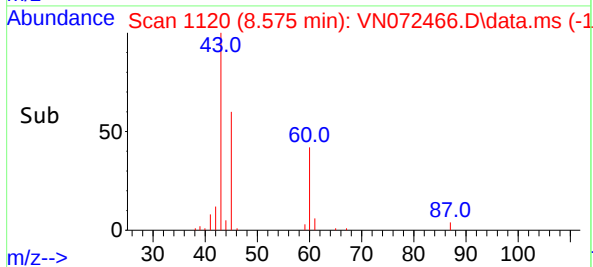
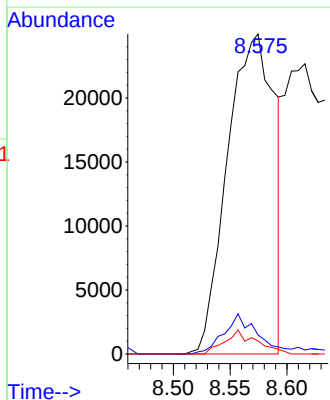
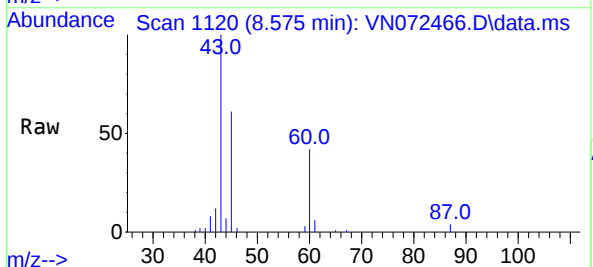


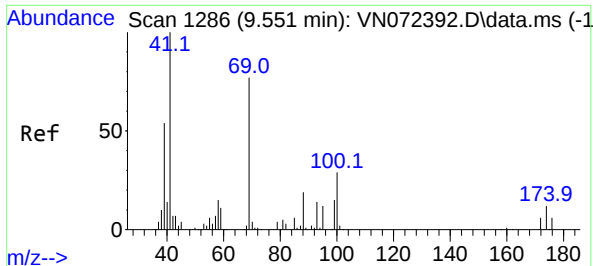
Tgt Ion:117 Resp: 24519
Ion Ratio Lower Upper
117 100
119 3.4 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 9.209 ug/l
RT: 8.575 min Scan# 1120
Delta R.T. 0.018 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

Tgt Ion: 43 Resp: 71984
Ion Ratio Lower Upper
43 100
61 9.0 21.9 32.9#
87 5.0 12.0 18.0#

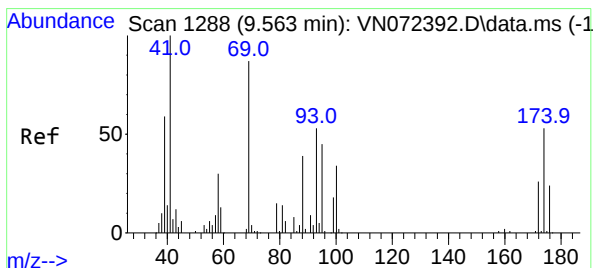
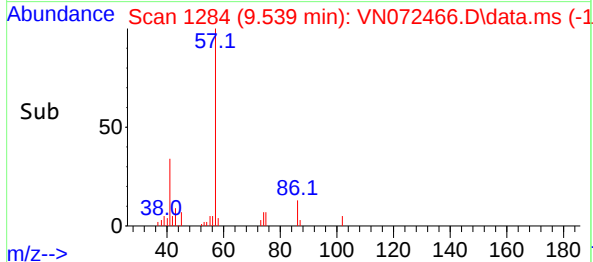
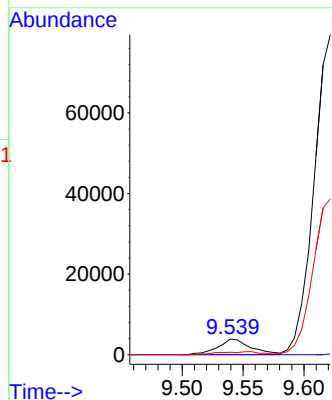
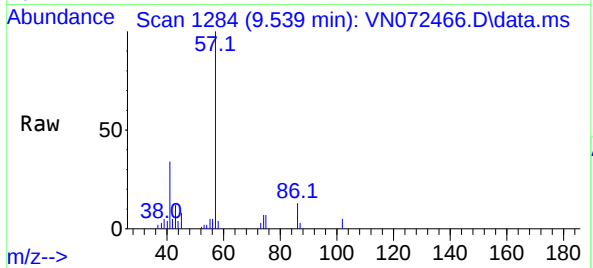




#48
Methyl methacrylate
Concen: 2.002 ug/l
RT: 9.539 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

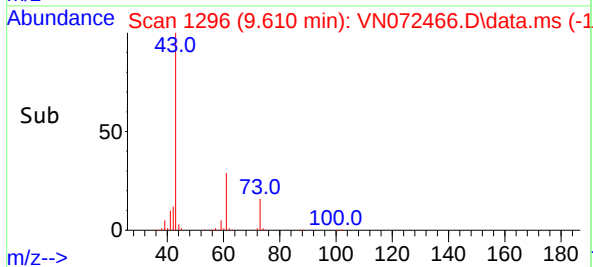
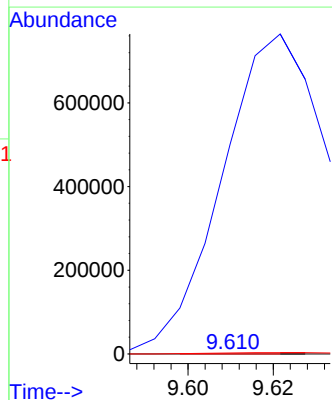
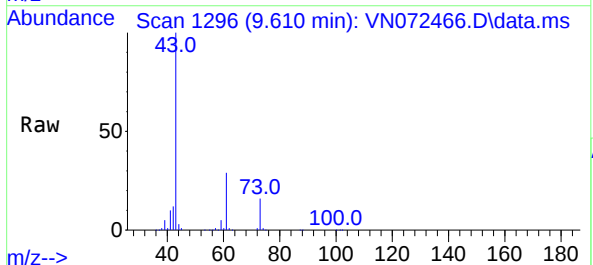
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#02

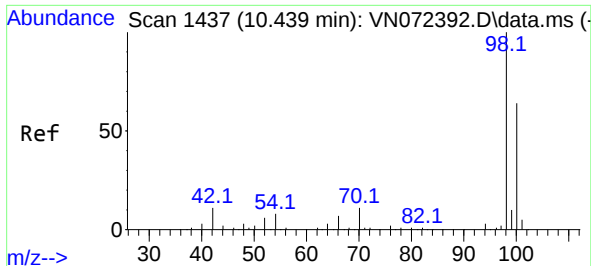
Tgt Ion: 41 Resp: 7302
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 0.852 ug/l
RT: 9.610 min Scan# 1296
Delta R.T. 0.047 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 2696924.5 20.2 30.4#
58 11683.0 54.2 81.4#

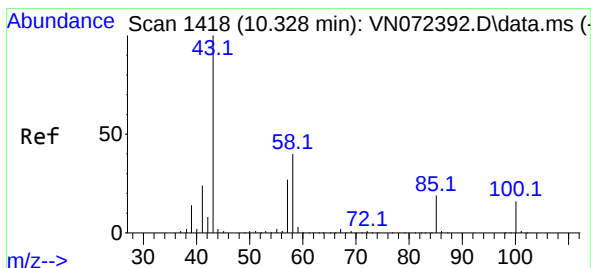
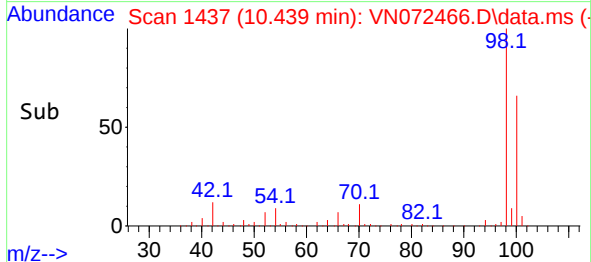
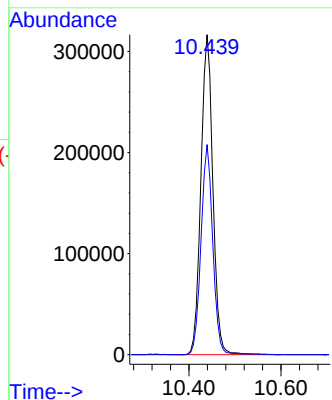
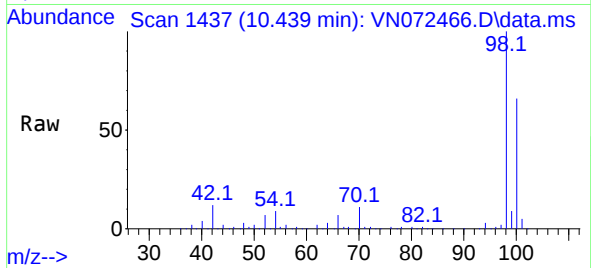




#50
Toluene-d8
Concen: 51.022 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

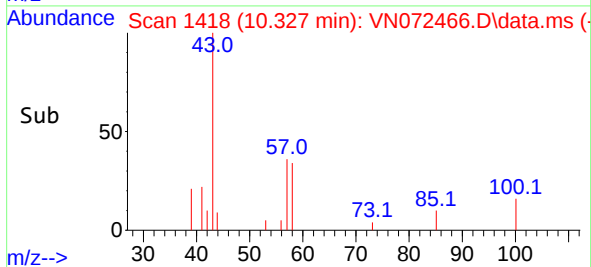
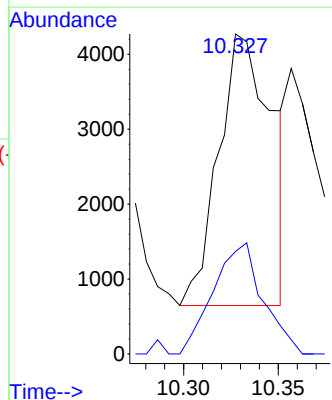
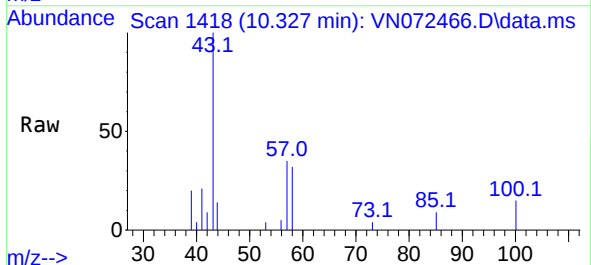
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#02

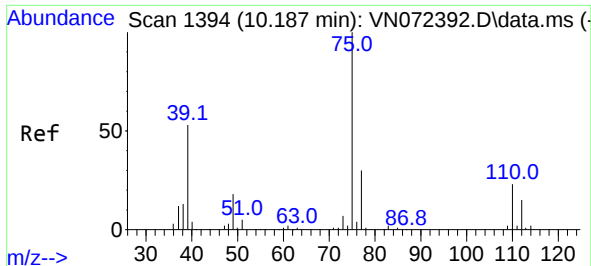
Tgt Ion: 98 Resp: 573841
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.457 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.001 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

Tgt Ion: 43 Resp: 7072
Ion Ratio Lower Upper
43 100
58 38.2 34.1 51.1

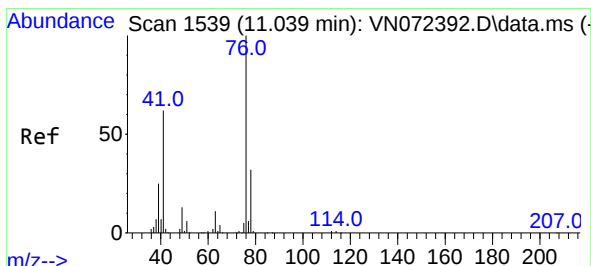
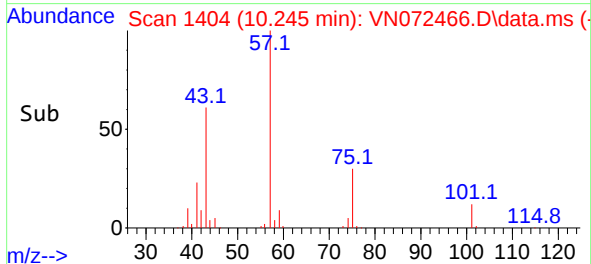
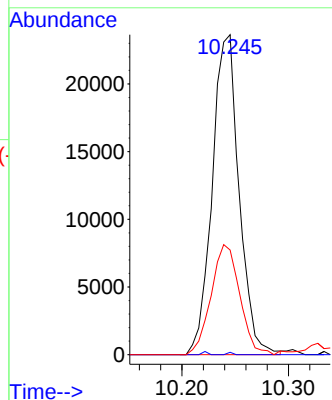
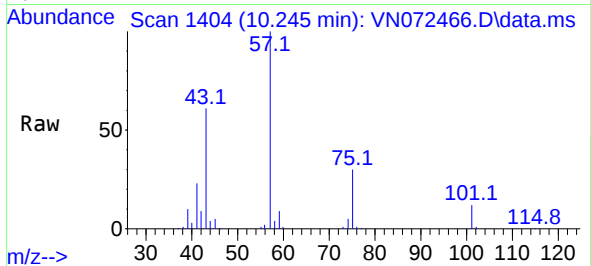




#54
cis-1,3-Dichloropropene
Concen: 8.289 ug/l
RT: 10.245 min Scan# 1404
Delta R.T. 0.058 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

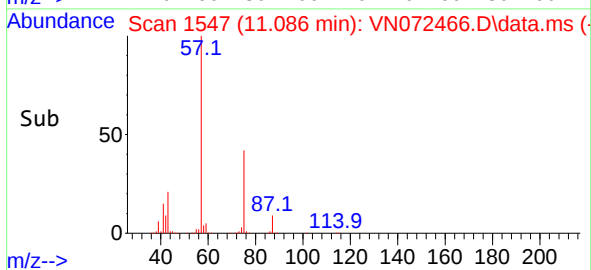
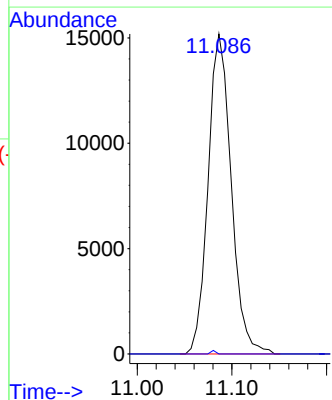
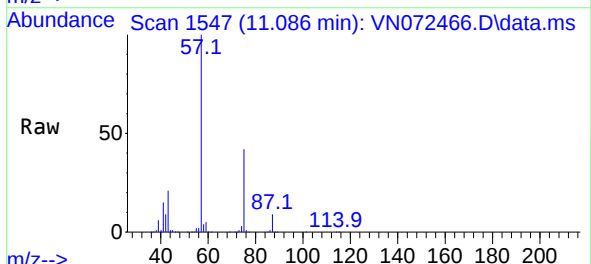
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#02

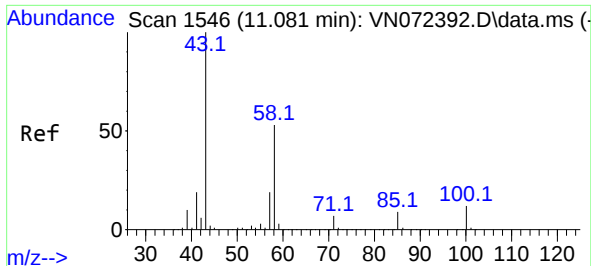
Tgt Ion: 75 Resp: 41349
Ion Ratio Lower Upper
75 100
77 0.7 25.2 37.8#
39 32.7 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 4.646 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

Tgt Ion: 76 Resp: 25748
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#

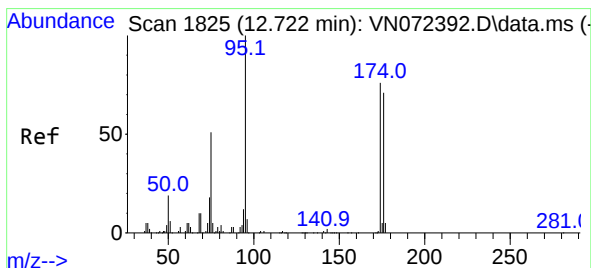
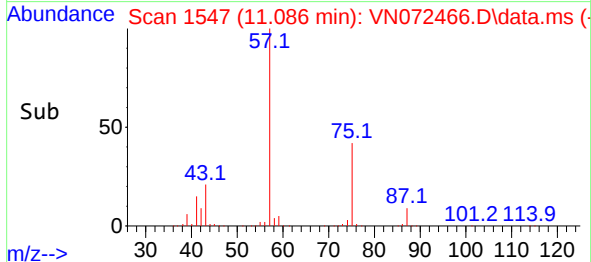
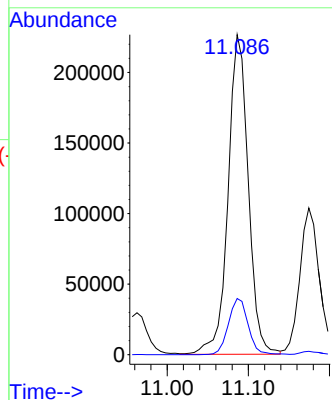
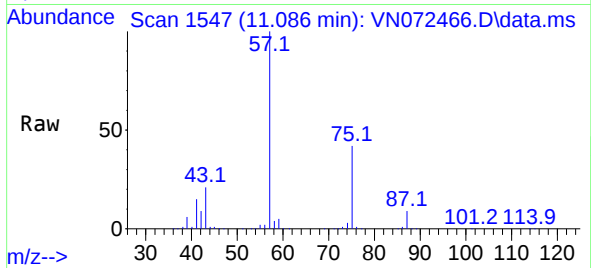




#59
2-Hexanone
Concen: 115.121 ug/l
RT: 11.086 min Scan# 11547
Delta R.T. 0.005 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

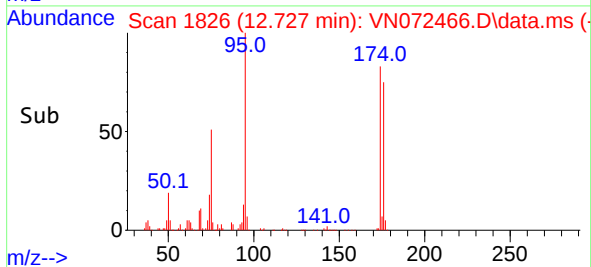
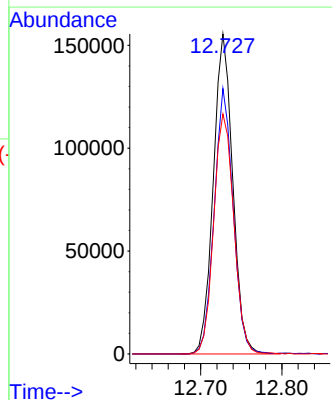
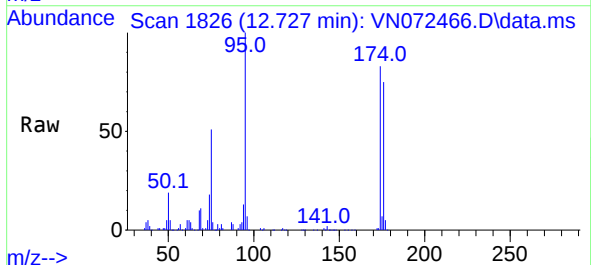
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#02

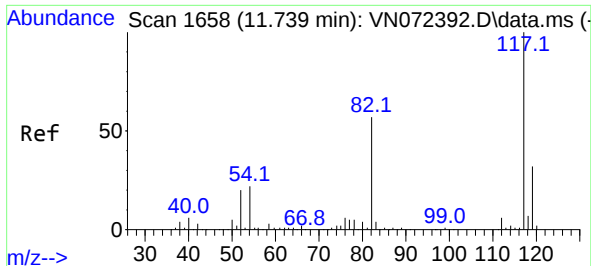
Tgt Ion: 43 Resp: 391795
Ion Ratio Lower Upper
43 100
58 17.2 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 69.169 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.005 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

Tgt Ion: 95 Resp: 258356
Ion Ratio Lower Upper
95 100
174 81.1 0.0 167.6
176 77.7 0.0 163.4

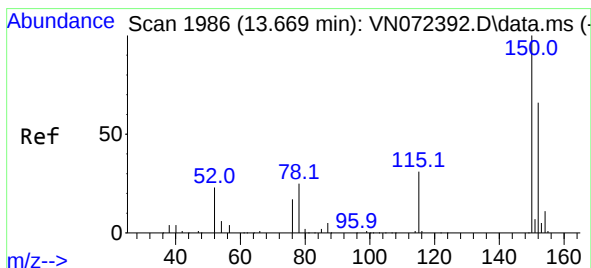
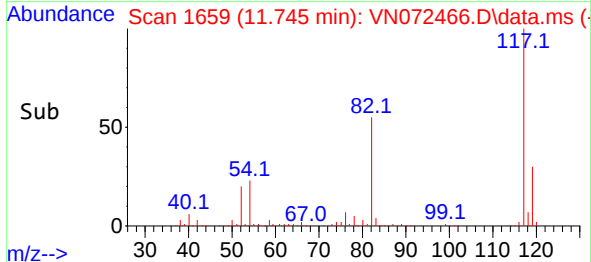
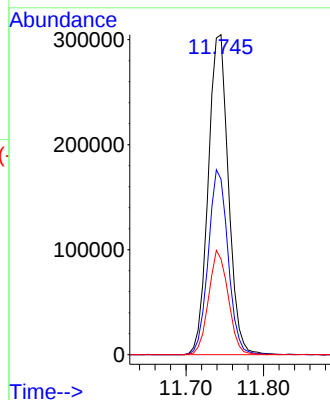
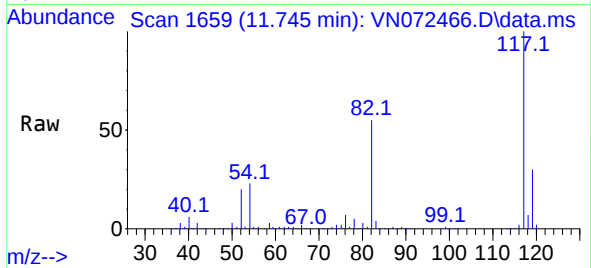




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

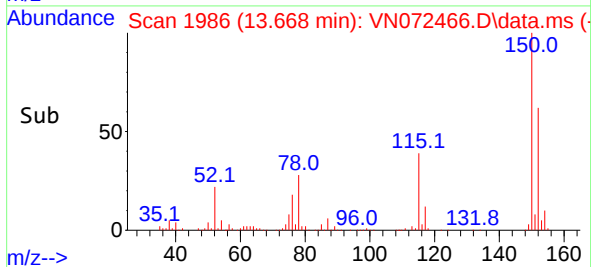
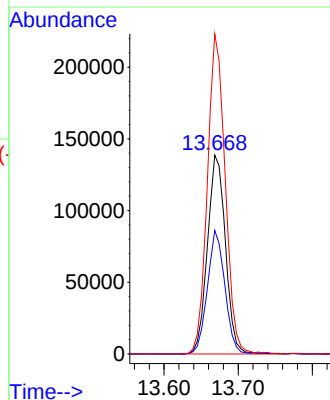
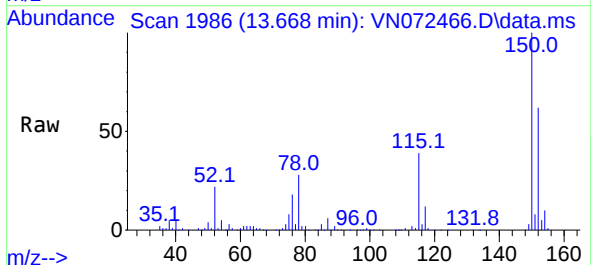
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#02

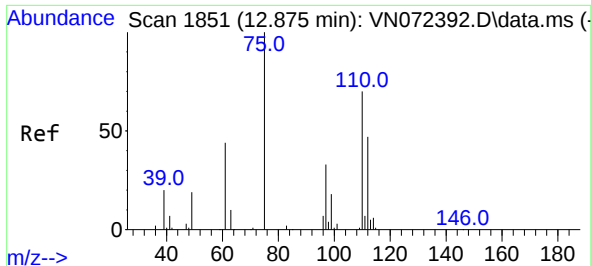
Tgt Ion:117 Resp: 551428
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 29.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

Tgt Ion:152 Resp: 234681
Ion Ratio Lower Upper
152 100
115 60.2 28.9 86.7
150 159.0 0.0 356.2

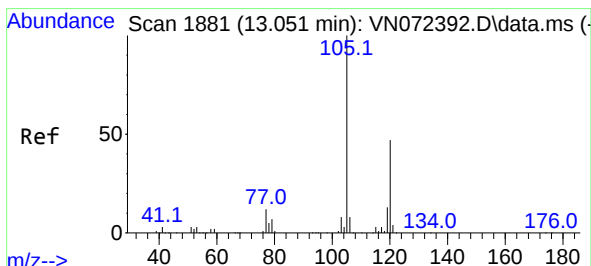
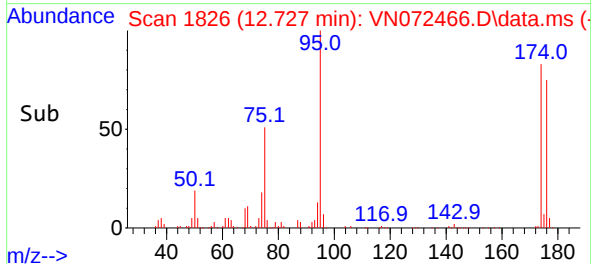
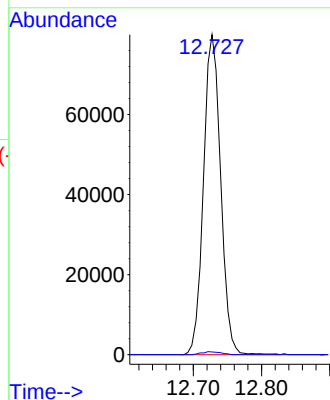
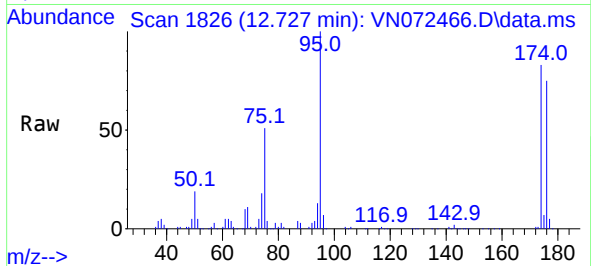




#76
1,2,3-Trichloropropane
Concen: 22.863 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.148 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

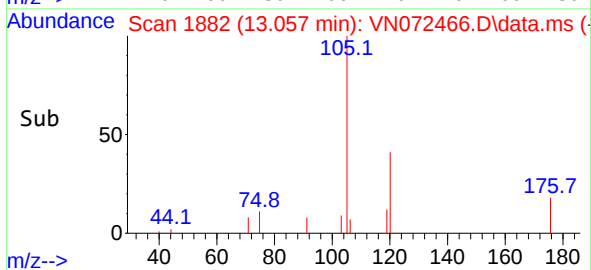
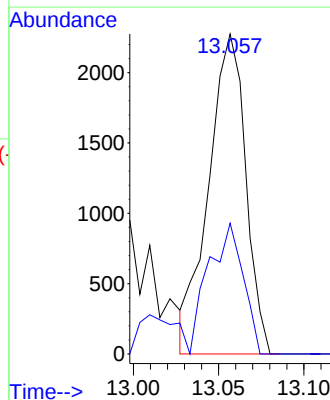
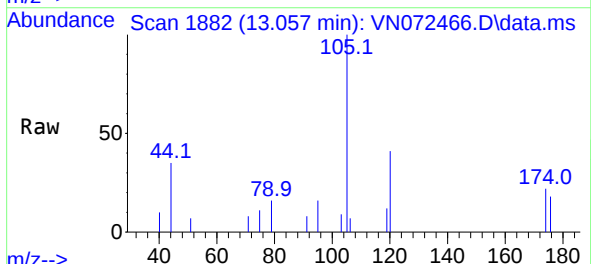
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#02

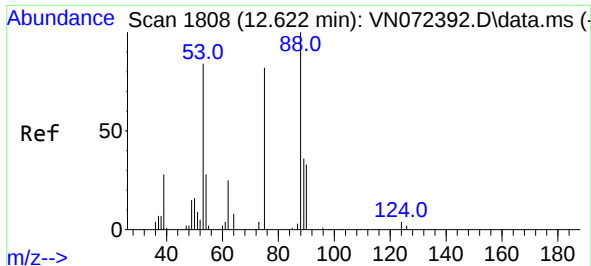
Tgt Ion: 75 Resp: 139943
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.216 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

Tgt Ion:105 Resp: 3444
Ion Ratio Lower Upper
105 100
120 38.3 24.9 74.7

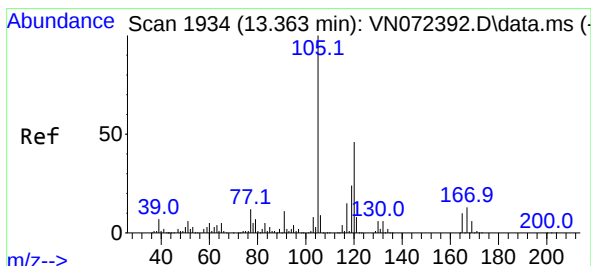
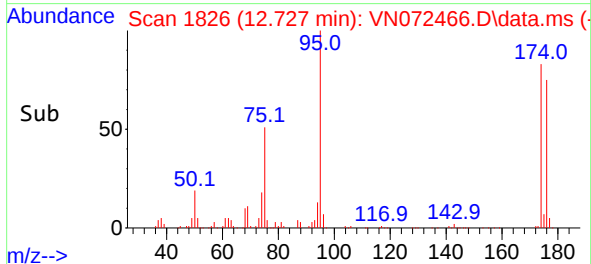
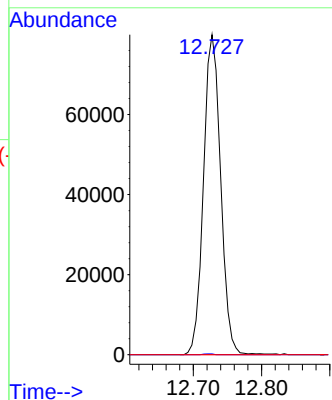
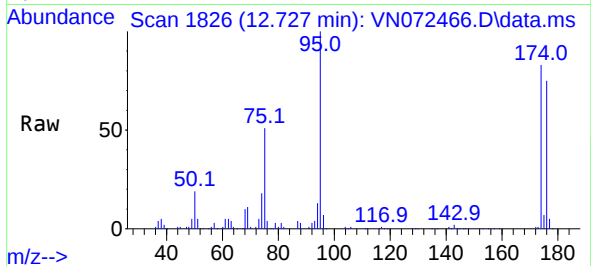




#81
trans-1,4-Dichloro-2-butene
Concen: 76.272 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

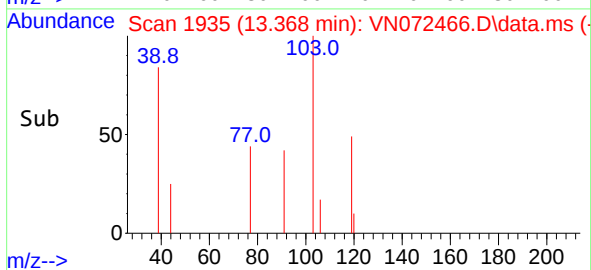
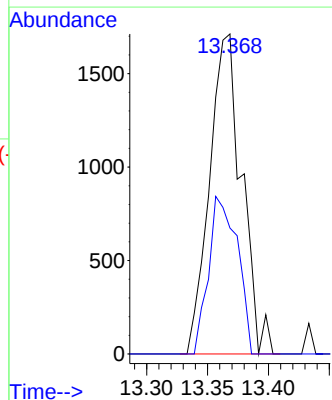
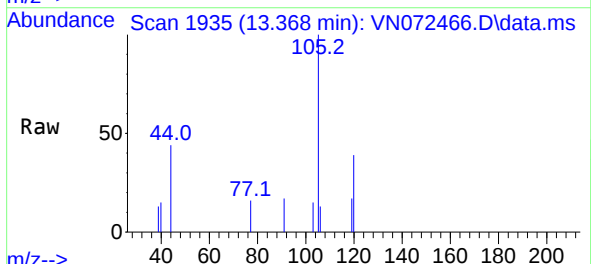
Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#02

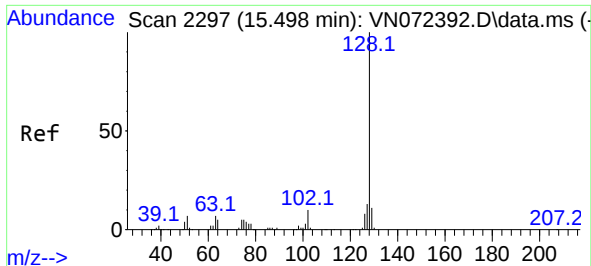
Tgt Ion: 75 Resp: 139943
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.203 ug/l
RT: 13.368 min Scan# 1935
Delta R.T. 0.005 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

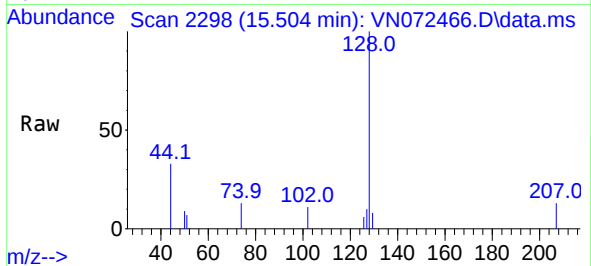
Tgt Ion: 105 Resp: 3152
Ion Ratio Lower Upper
105 100
120 44.0 23.3 69.8





#95
Naphthalene
Concen: 3.622 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN072466.D
Acq: 12 May 2022 20:34

Instrument :
MSVOA_N
ClientSampleId :
PB144752ZHE#02



Tgt Ion:	128	Resp:	5336
Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.3	15.5
129	10.0	8.6	13.0

