

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022422\
 Data File : VN071060.D
 Acq On : 24 Feb 2022 17:08
 Operator : JC\MD
 Sample : PB142888ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142888ZHE#05

Quant Time: Feb 25 02:45:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

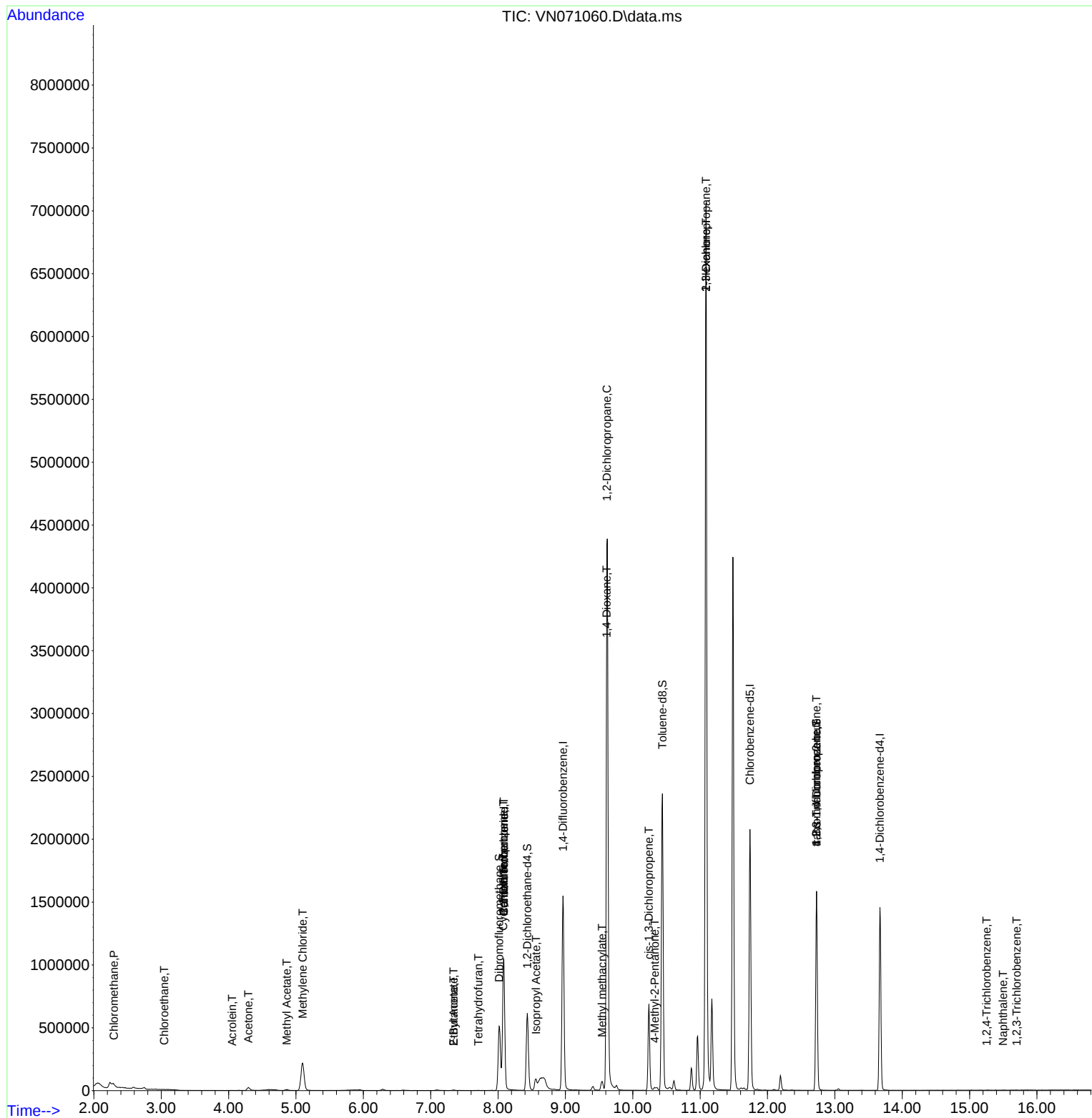
Internal Standards						
1) Pentafluorobenzene	8.086	168	829590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1347666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1201796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	414001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	504501	53.237	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.480%			
35) Dibromofluoromethane	8.016	113	394638	49.232	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.460%			
50) Toluene-d8	10.439	98	1654547	51.397	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.800%			
62) 4-Bromofluorobenzene	12.727	95	554086	48.154	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.300%			
Target Compounds						Qvalue
3) Chloromethane	2.298	50	3649	0.337	ug/l #	85
6) Chloroethane	3.045	64	1636	0.230	ug/l #	42
13) Acrolein	4.051	56	341	0.221	ug/l #	36
16) Acetone	4.292	43	41478	7.948	ug/l	91
18) Methyl Acetate	4.863	43	17975	0.982	ug/l	90
20) Methylene Chloride	5.098	84	175969	18.552	ug/l	89
25) 2-Butanone	7.339	43	9953	1.434	ug/l	99
29) Tetrahydrofuran	7.710	42	1218	0.271	ug/l #	41
31) Cyclohexane	8.075	56	16719	1.020	ug/l #	16
36) 1,1-Dichloropropene	8.080	75	62192	4.736	ug/l #	49
37) Ethyl Acetate	7.339	43	9953	0.707	ug/l #	68
38) Carbon Tetrachloride	8.086	117	80490	6.220	ug/l #	16
43) Isopropyl Acetate	8.563	43	105658	4.759	ug/l #	84
45) 1,2-Dichloropropane	9.616	63	5544	0.557	ug/l #	44
48) Methyl methacrylate	9.545	41	21599	2.055	ug/l #	8
49) 1,4-Dioxane	9.610	88	696	3.729	ug/l #	1
51) 4-Methyl-2-Pentanone	10.327	43	12141	0.899	ug/l #	85
54) cis-1,3-Dichloropropene	10.239	75	119595	7.567	ug/l #	58
57) 1,3-Dichloropropane	11.086	76	73389	4.440	ug/l #	44
59) 2-Hexanone	11.086	43	1135560	122.240	ug/l #	50
76) 1,2,3-Trichloropropane	12.727	75	280353	28.761	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	280353	93.199	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.251	180	84	2.009	ug/l #	1
95) Naphthalene	15.498	128	1080	5.042	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.698	180	319	2.559	ug/l #	78

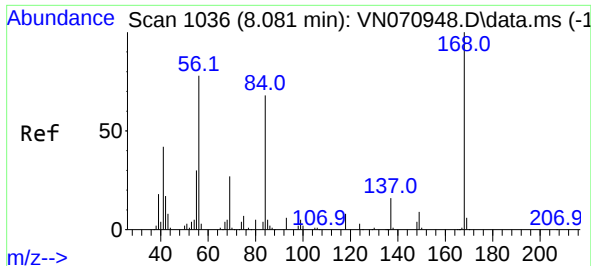
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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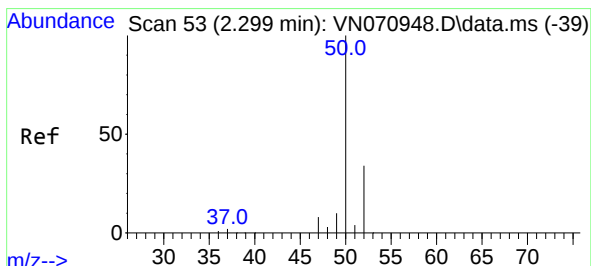
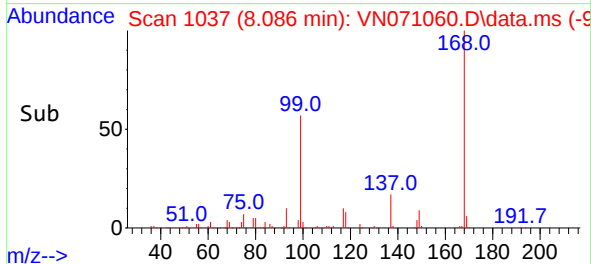
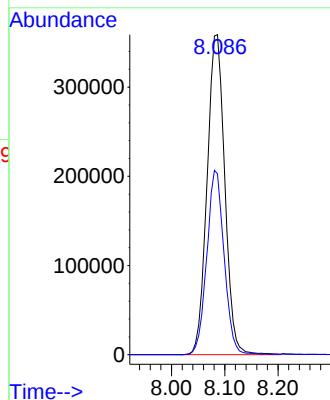
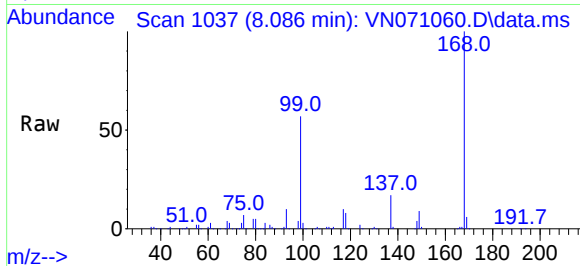




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

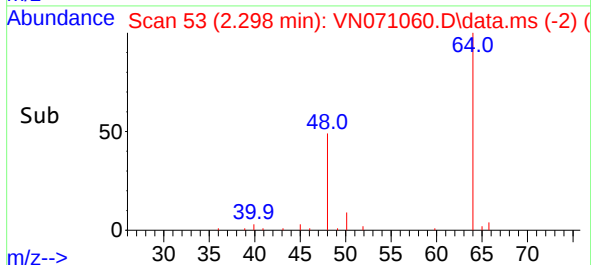
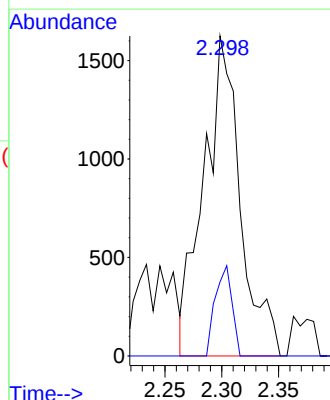
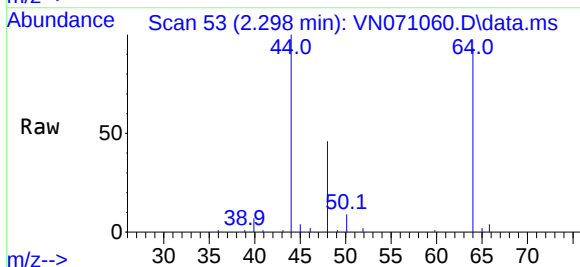
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

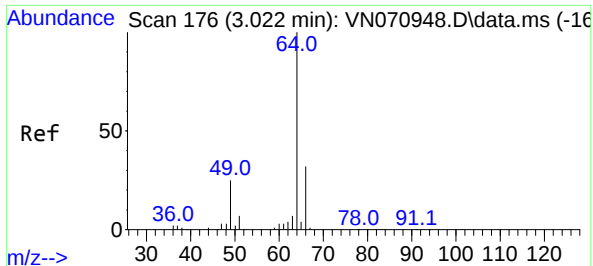
Tgt Ion:168 Resp: 829590
Ion Ratio Lower Upper
168 100
99 56.5 41.3 61.9



#3
Chloromethane
Concen: 0.337 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

Tgt Ion: 50 Resp: 3649
Ion Ratio Lower Upper
50 100
52 23.1 25.4 38.0#

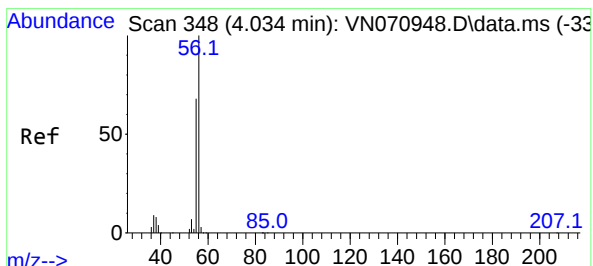
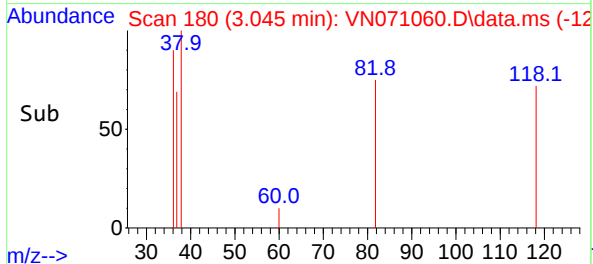
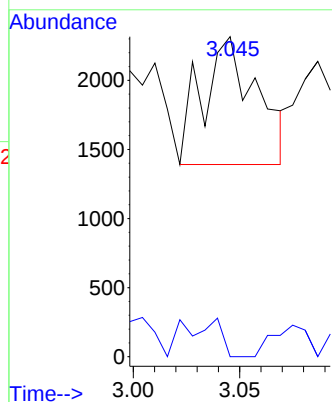
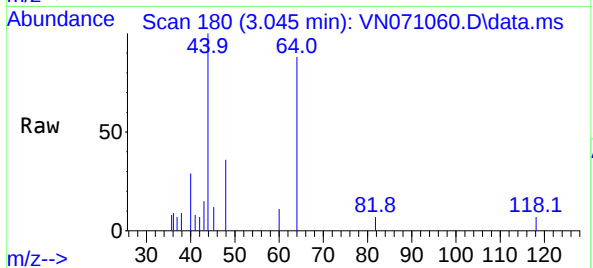




#6
Chloroethane
Concen: 0.230 ug/l
RT: 3.045 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

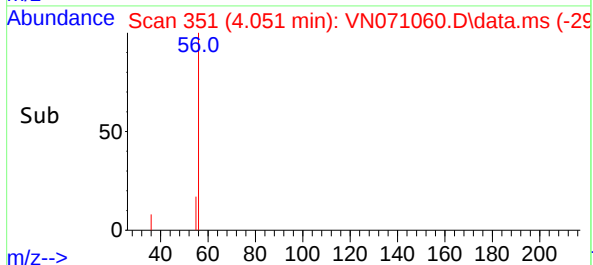
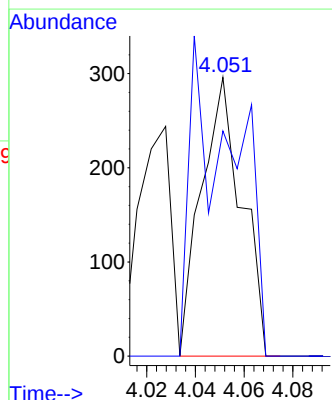
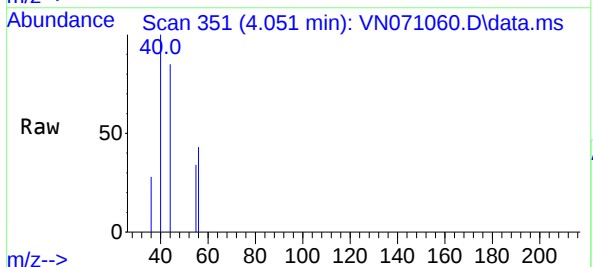
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

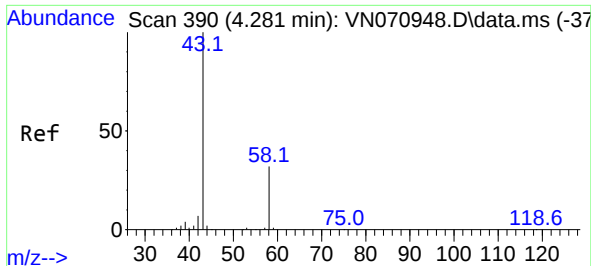
Tgt Ion: 64 Resp: 1636
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#13
Acrolein
Concen: 0.221 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.017 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

Tgt Ion: 56 Resp: 341
Ion Ratio Lower Upper
56 100
55 124.0 56.6 85.0#

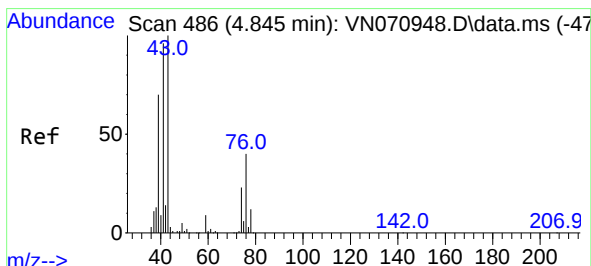
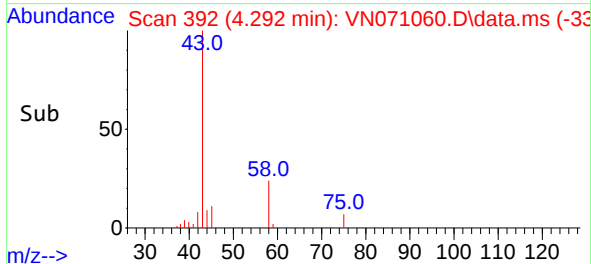
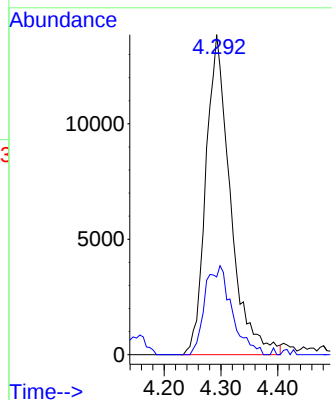
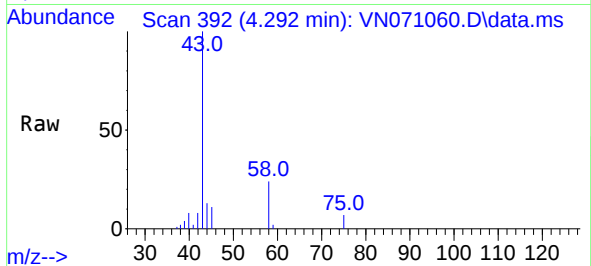




#16
Acetone
Concen: 7.948 ug/l
RT: 4.292 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

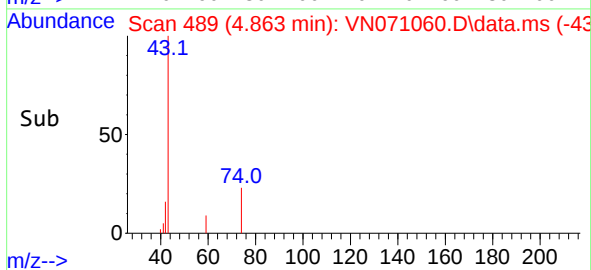
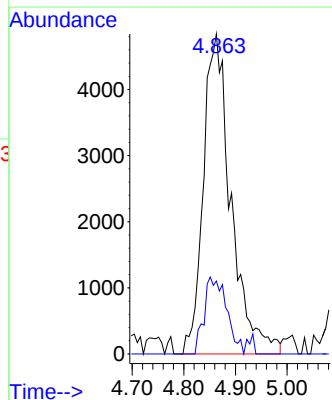
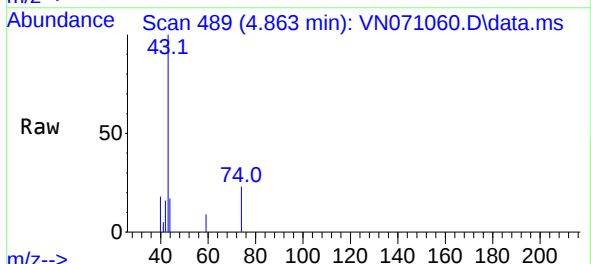
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

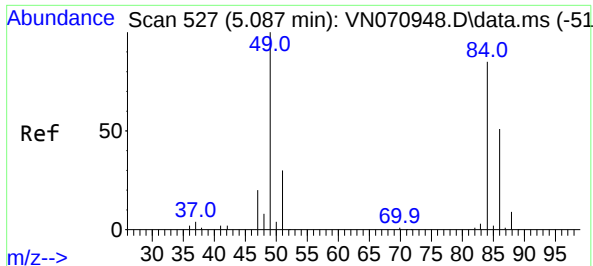
Tgt Ion: 43 Resp: 41478
Ion Ratio Lower Upper
43 100
58 24.3 23.1 34.7



#18
Methyl Acetate
Concen: 0.982 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.018 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

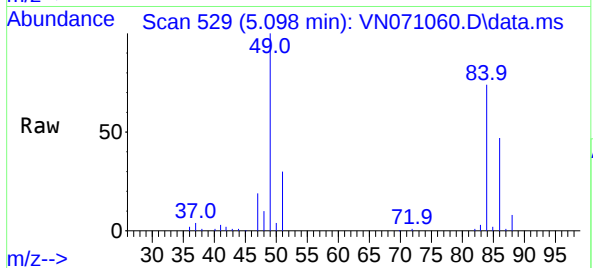
Tgt Ion: 43 Resp: 17975
Ion Ratio Lower Upper
43 100
74 19.5 19.4 29.2





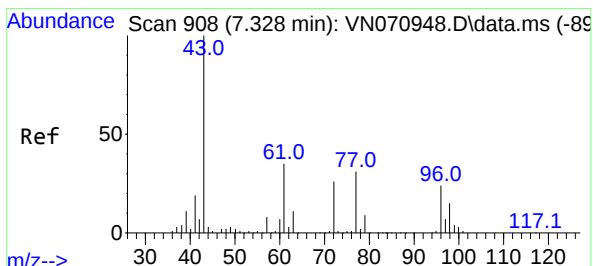
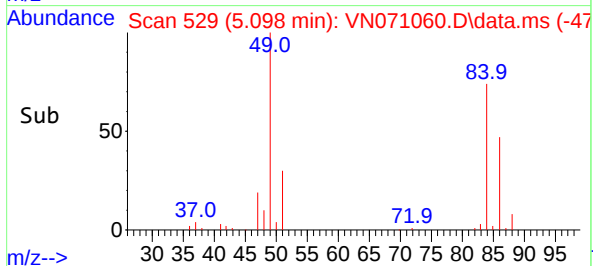
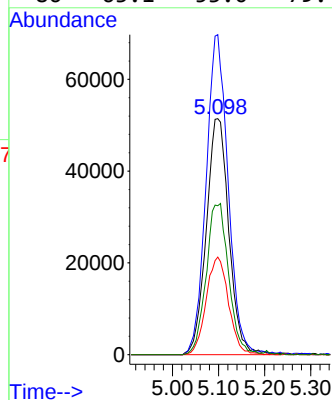
#20
Methylene Chloride
Concen: 18.552 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05



Tgt Ion: 84 Resp: 175969

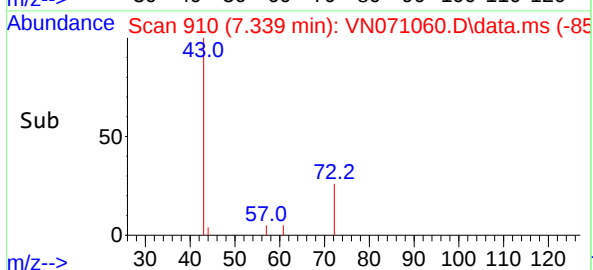
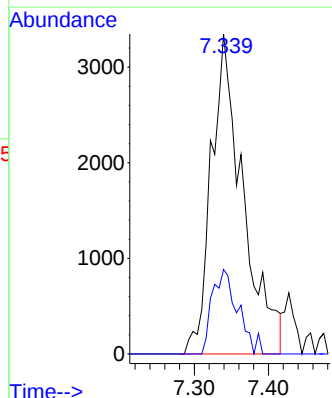
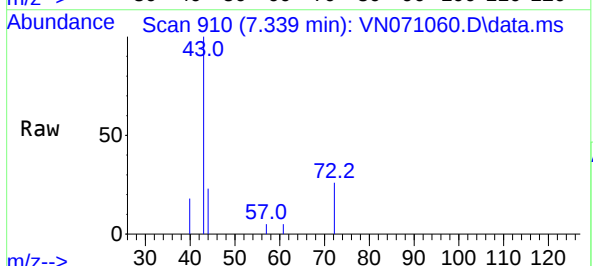
Ion	Ratio	Lower	Upper
84	100		
49	135.5	93.5	140.3
51	41.3	29.4	44.2
86	63.1	53.0	79.4

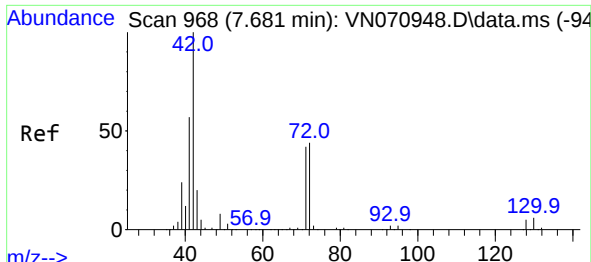


#25
2-Butanone
Concen: 1.434 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

Tgt Ion: 43 Resp: 9953

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.271 ug/l

RT: 7.710 min Scan# 91

Delta R.T. 0.029 min

Lab File: VN071060.D

Acq: 24 Feb 2022 17:08

Instrument :

MSVOA_N

ClientSampleId :

PB142888ZHE#05

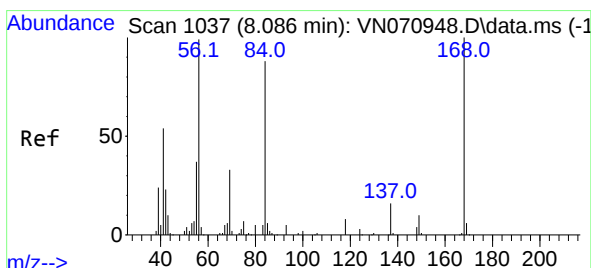
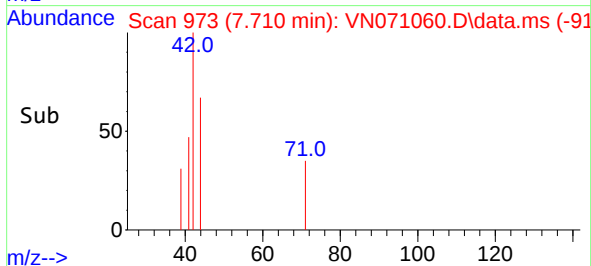
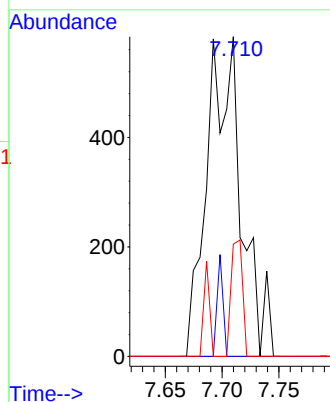
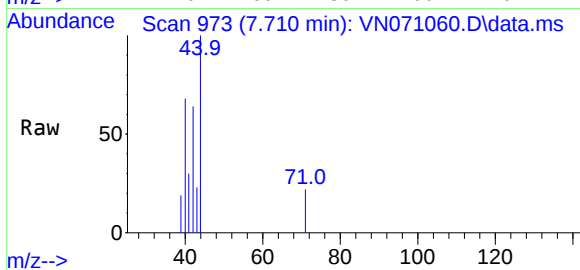
Tgt Ion: 42 Resp: 1218

Ion Ratio Lower Upper

42 100

72 0.0 36.3 54.5#

71 12.2 34.7 52.1#



#31

Cyclohexane

Concen: 1.020 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.012 min

Lab File: VN071060.D

Acq: 24 Feb 2022 17:08

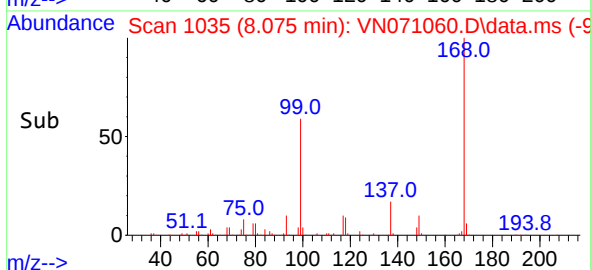
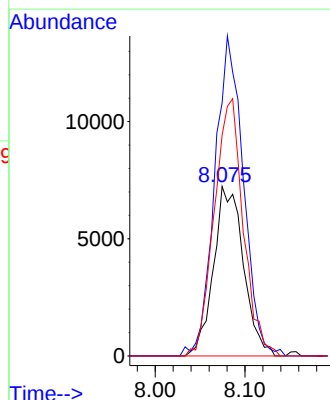
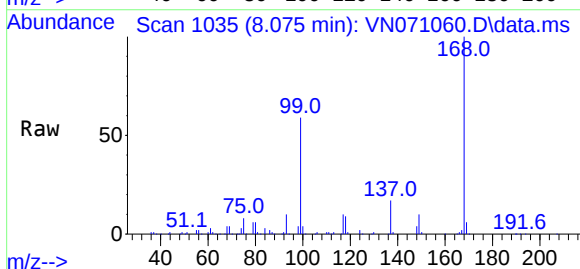
Tgt Ion: 56 Resp: 16719

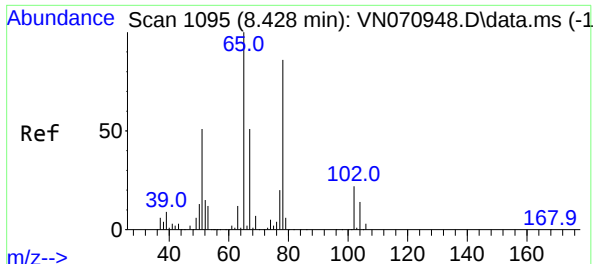
Ion Ratio Lower Upper

56 100

69 149.4 27.1 40.7#

84 130.4 73.4 110.0#

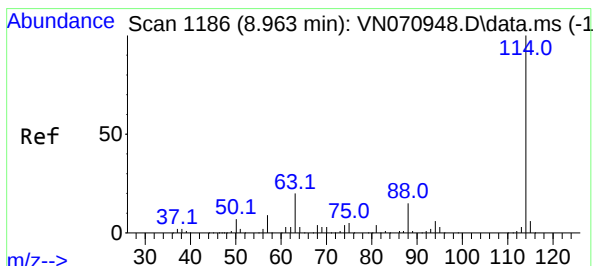
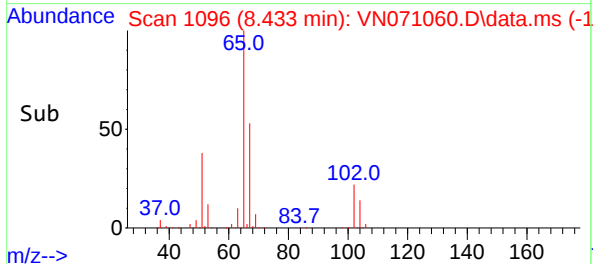
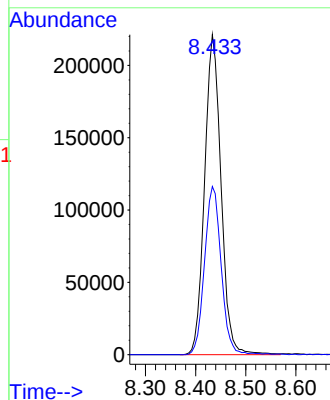
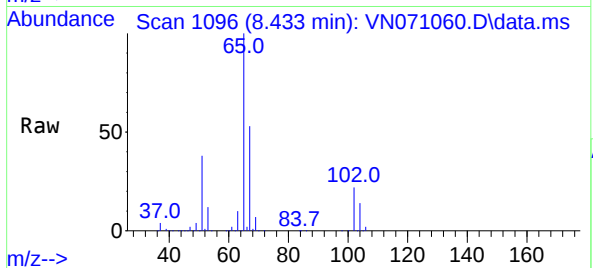




#33
 1,2-Dichloroethane-d4
 Concen: 53.237 ug/l
 RT: 8.433 min Scan# 1095
 Delta R.T. 0.006 min
 Lab File: VN071060.D
 Acq: 24 Feb 2022 17:08

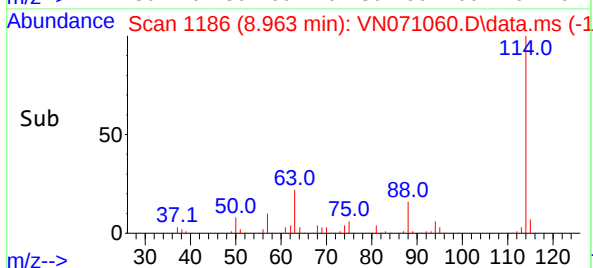
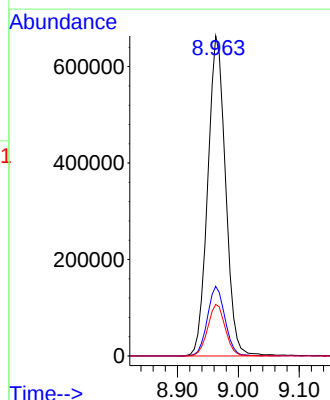
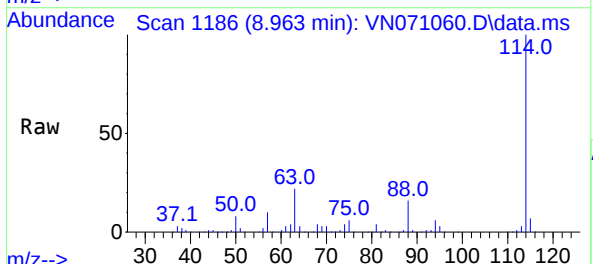
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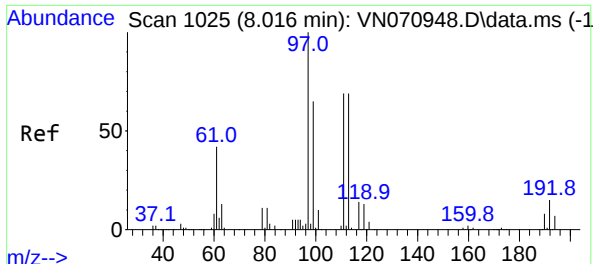
Tgt Ion: 65 Resp: 504501
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.963 min Scan# 1186
 Delta R.T. -0.000 min
 Lab File: VN071060.D
 Acq: 24 Feb 2022 17:08

Tgt Ion: 114 Resp: 1347666
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 37.8
 88 16.1 0.0 27.4

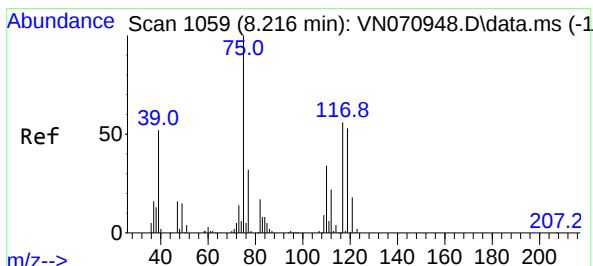
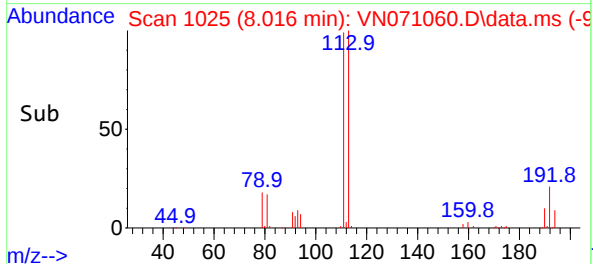
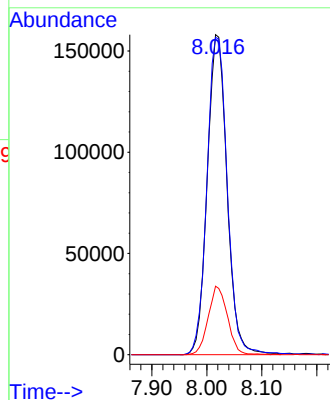
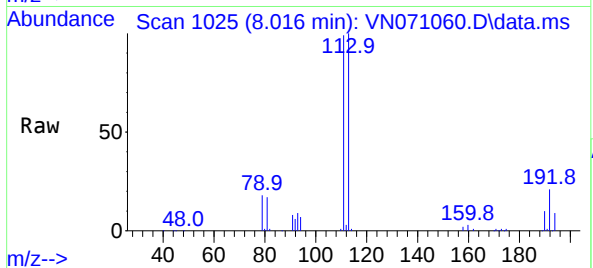




#35
Dibromofluoromethane
Concen: 49.232 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

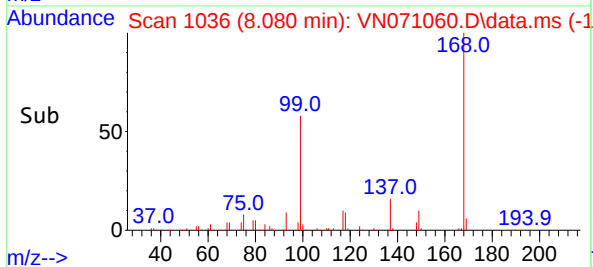
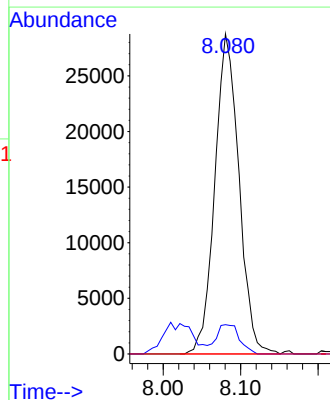
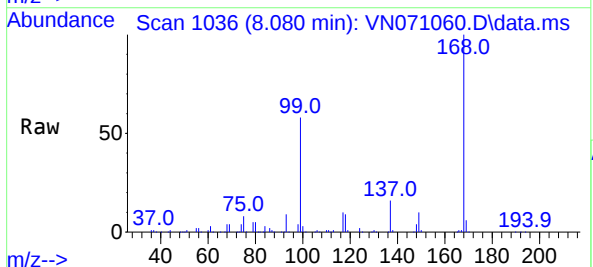
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PB142888ZHE#05

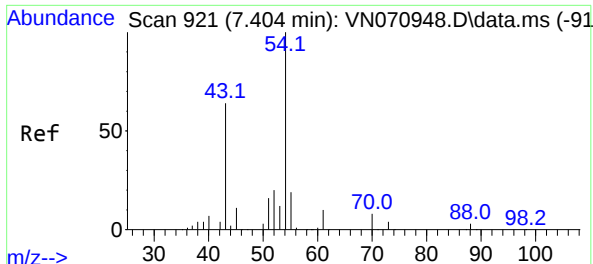
Tgt Ion:113 Resp: 394638
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 20.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.736 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

Tgt Ion: 75 Resp: 62192
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#

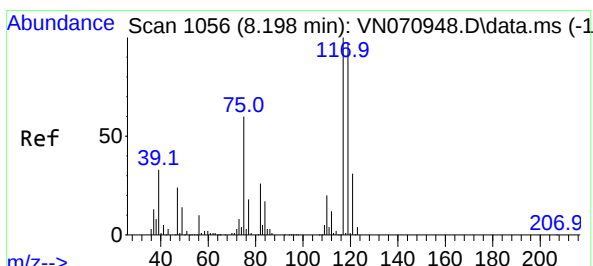
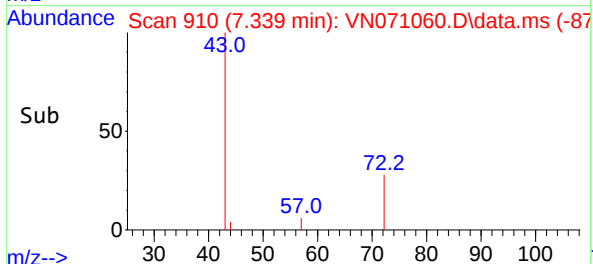
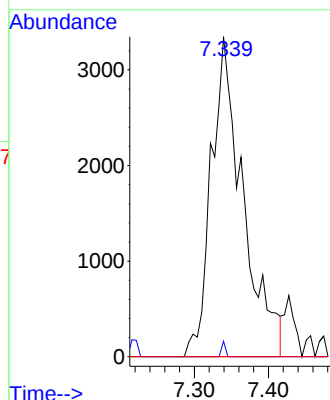
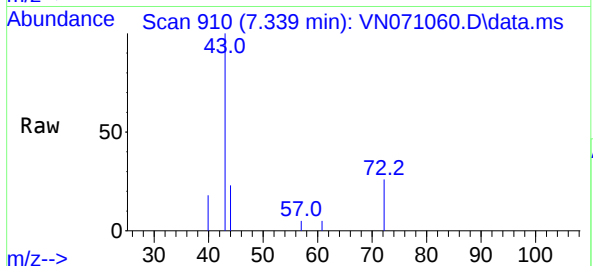




#37
Ethyl Acetate
Concen: 0.707 ug/l
RT: 7.339 min Scan# 91
Delta R.T. -0.065 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

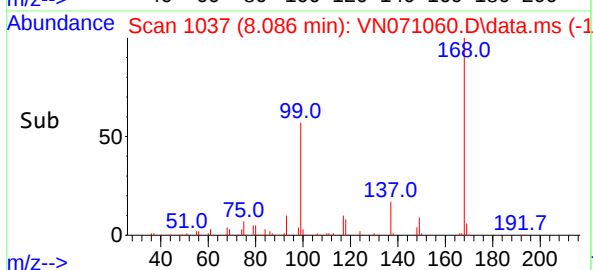
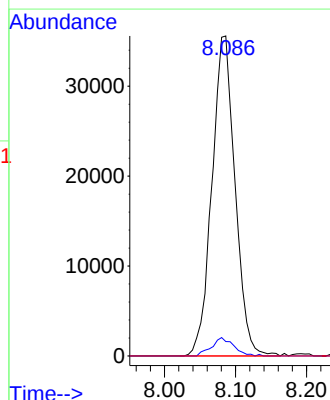
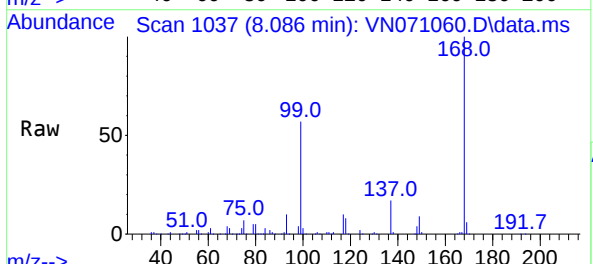
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

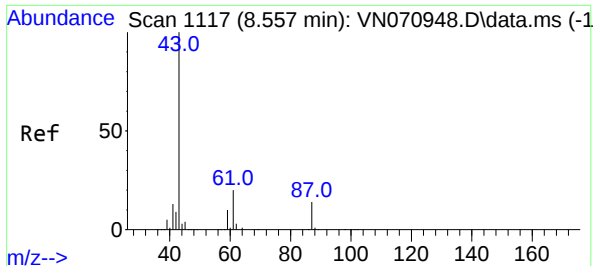
Tgt Ion: 43 Resp: 9953
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.220 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.112 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

Tgt Ion: 117 Resp: 80490
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#

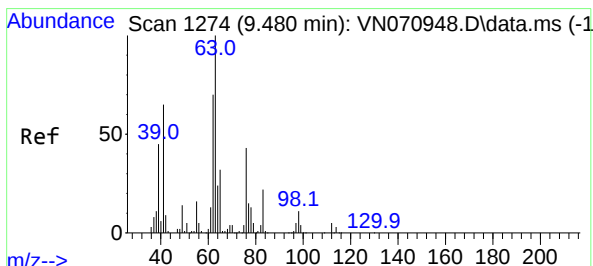
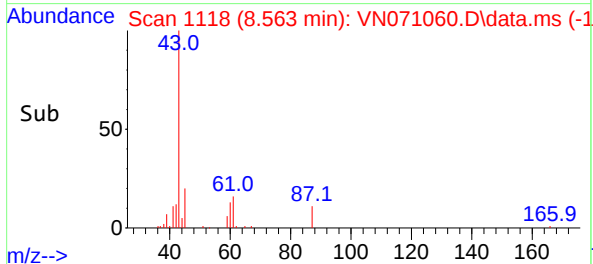
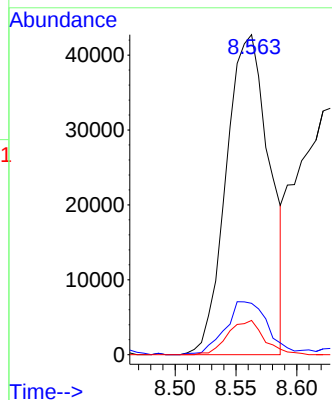
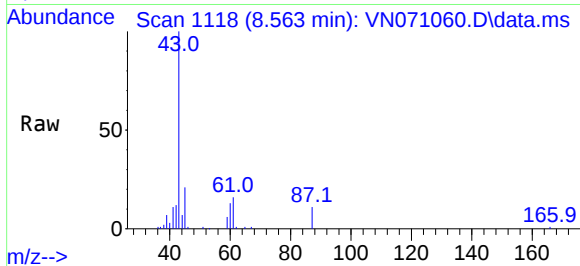




#43
Isopropyl Acetate
Concen: 4.759 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

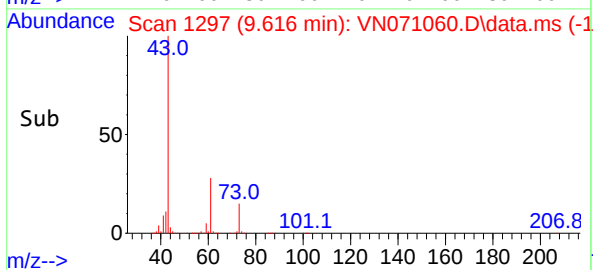
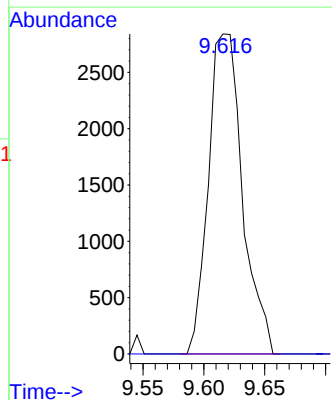
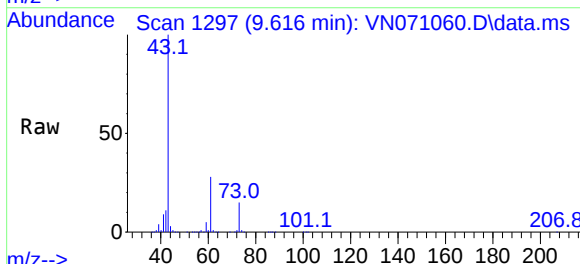
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

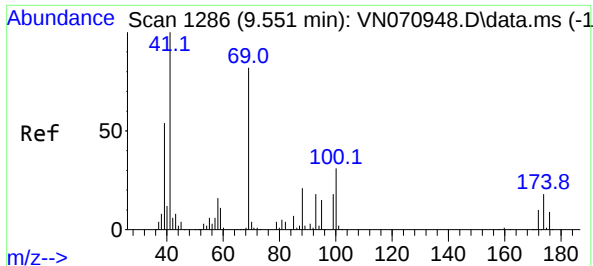
Tgt Ion: 43 Resp: 105658
Ion Ratio Lower Upper
43 100
61 16.3 20.4 30.6#
87 9.0 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.557 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.135 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

Tgt Ion: 63 Resp: 5544
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 2.055 ug/l

RT: 9.545 min Scan# 1285

Delta R.T. -0.006 min

Lab File: VN071060.D

Acq: 24 Feb 2022 17:08

Instrument :

MSVOA_N

ClientSampleId :

PB142888ZHE#05

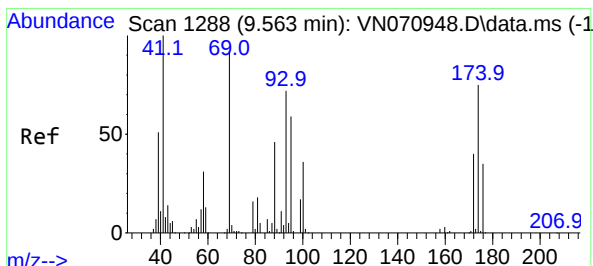
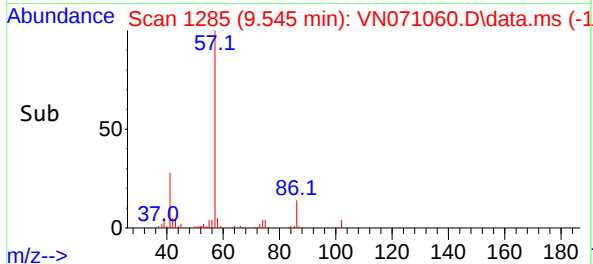
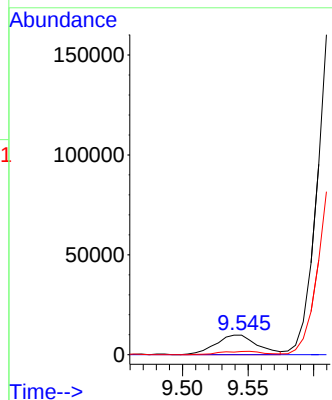
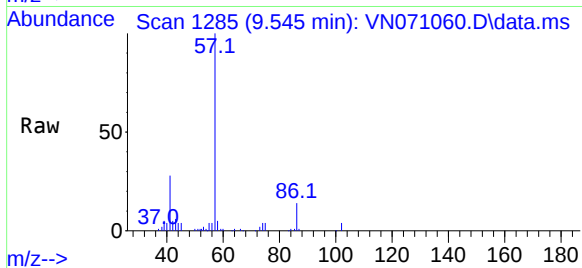
Tgt Ion: 41 Resp: 21599

Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#



#49

1,4-Dioxane

Concen: 3.729 ug/l

RT: 9.610 min Scan# 1296

Delta R.T. 0.047 min

Lab File: VN071060.D

Acq: 24 Feb 2022 17:08

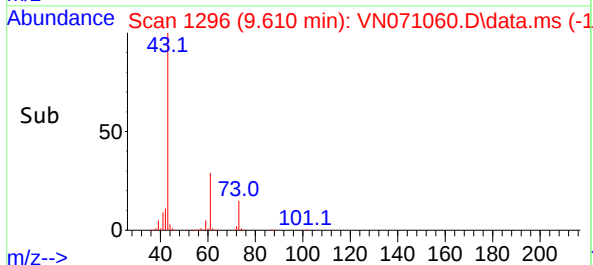
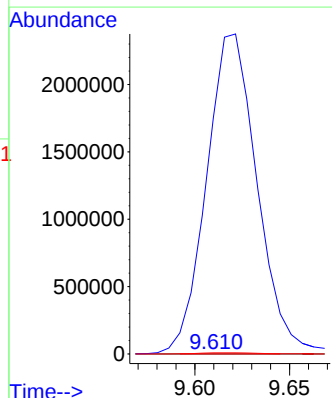
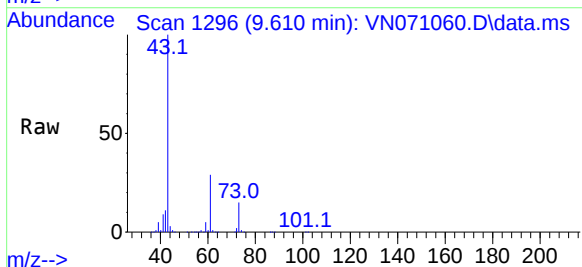
Tgt Ion: 88 Resp: 696

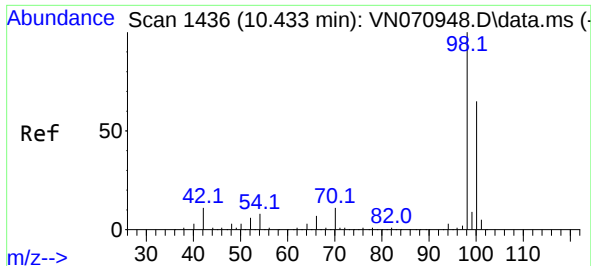
Ion Ratio Lower Upper

88 100

43 645771.7 23.4 35.2#

58 2799.0 50.6 75.8#

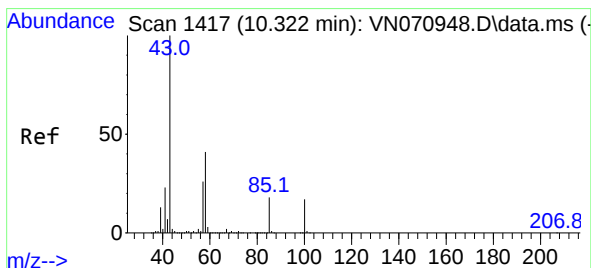
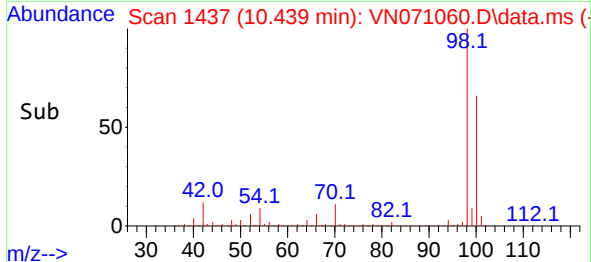
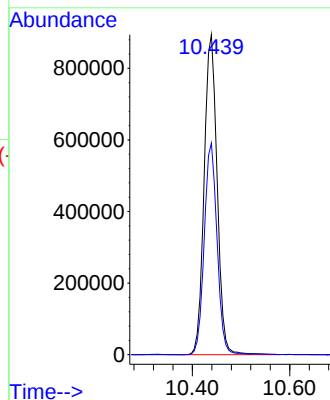
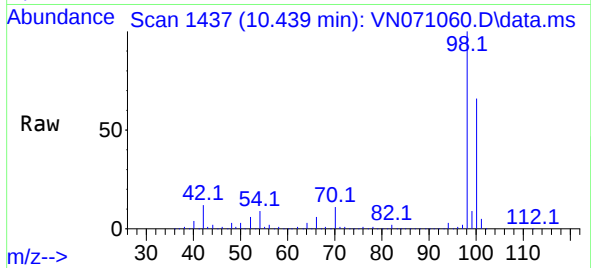




#50
Toluene-d8
Concen: 51.397 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

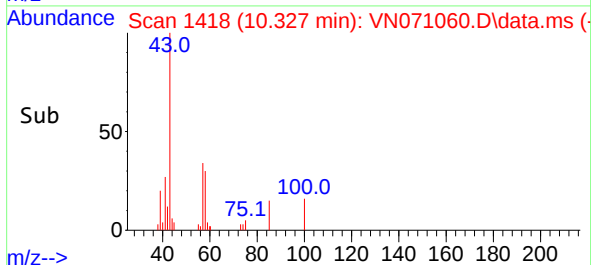
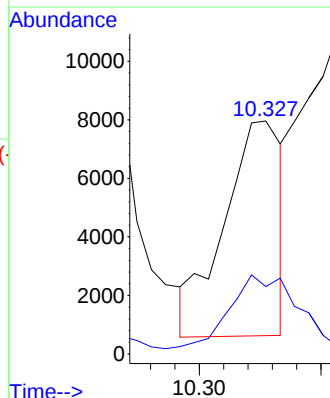
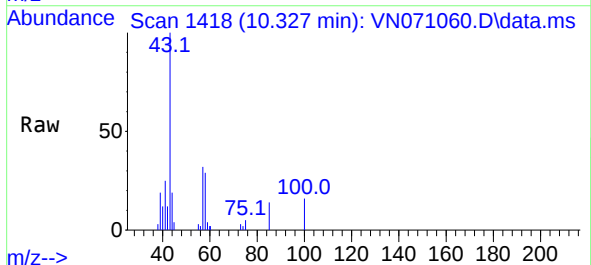
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

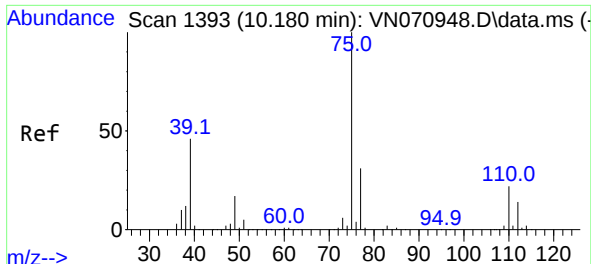
Tgt Ion: 98 Resp: 1654547
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.899 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

Tgt Ion: 43 Resp: 12141
Ion Ratio Lower Upper
43 100
58 47.0 30.4 45.6#

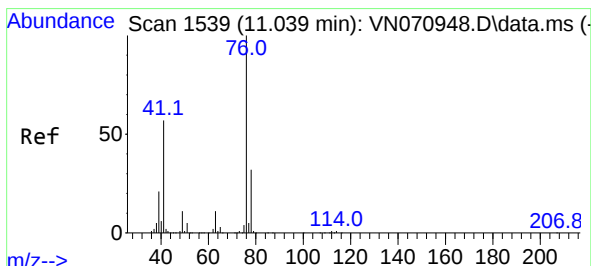
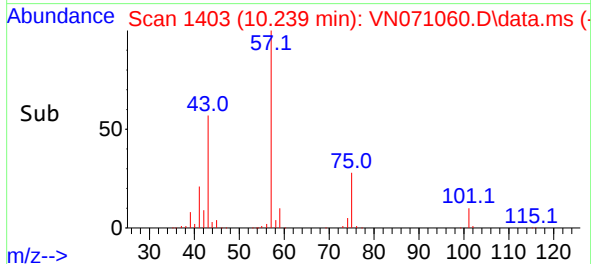
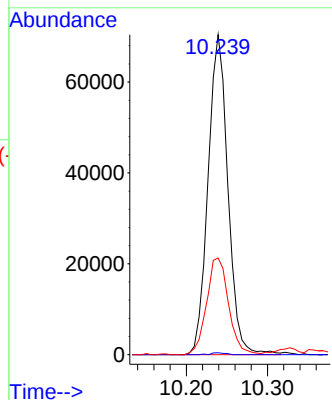
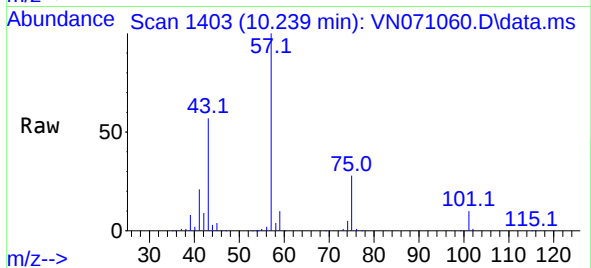




#54
cis-1,3-Dichloropropene
Concen: 7.567 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.059 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

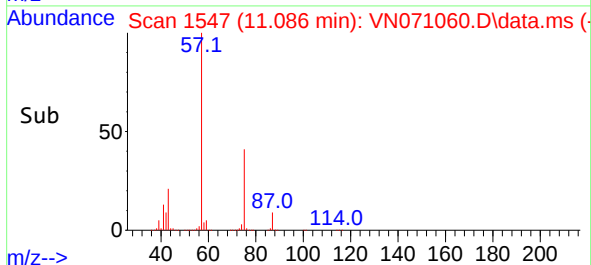
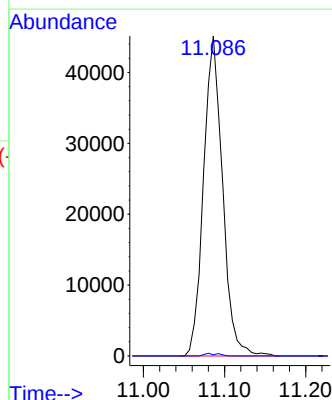
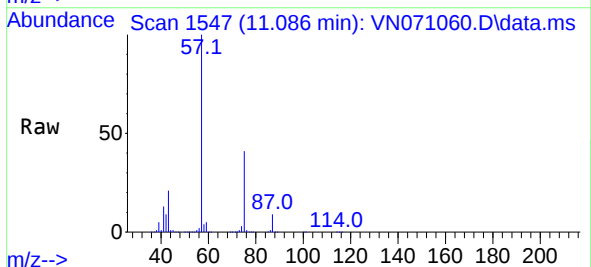
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

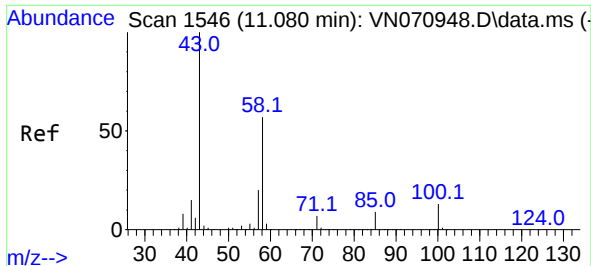
Tgt Ion: 75 Resp: 119595
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 30.2 42.5 63.7#



#57
1,3-Dichloropropane
Concen: 4.440 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

Tgt Ion: 76 Resp: 73389
Ion Ratio Lower Upper
76 100
78 0.6 25.7 38.5#

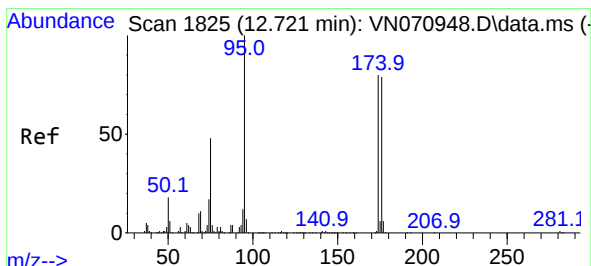
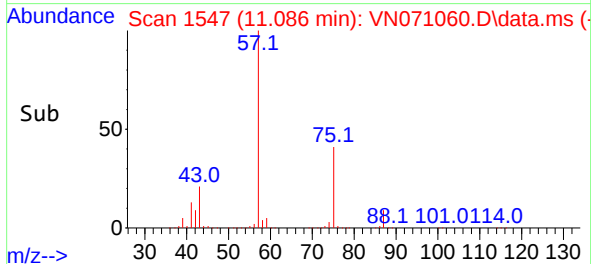
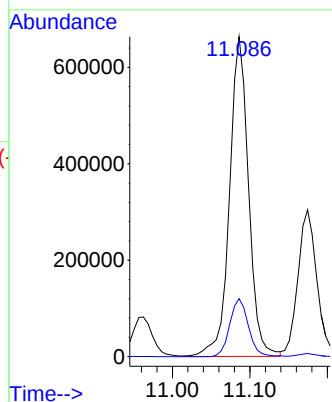
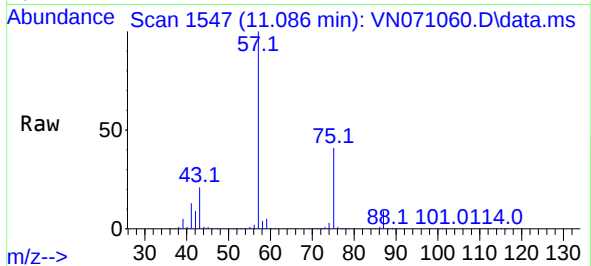




#59
2-Hexanone
Concen: 122.240 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

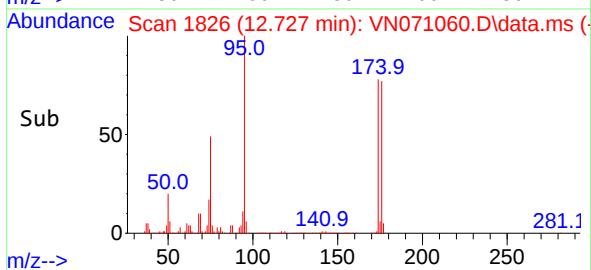
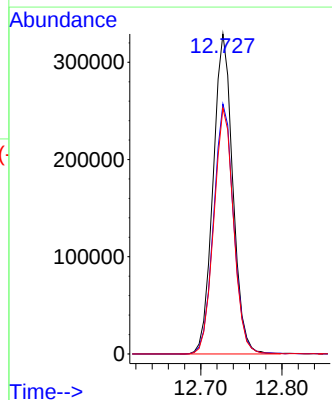
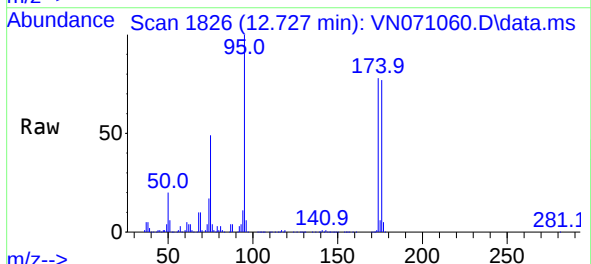
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

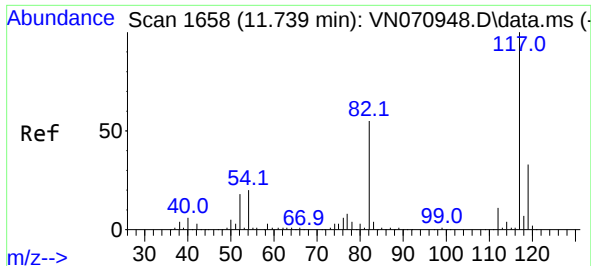
Tgt Ion: 43 Resp: 1135560
Ion Ratio Lower Upper
43 100
58 17.8 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.154 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

Tgt Ion: 95 Resp: 554086
Ion Ratio Lower Upper
95 100
174 79.3 0.0 187.2
176 77.0 0.0 181.4

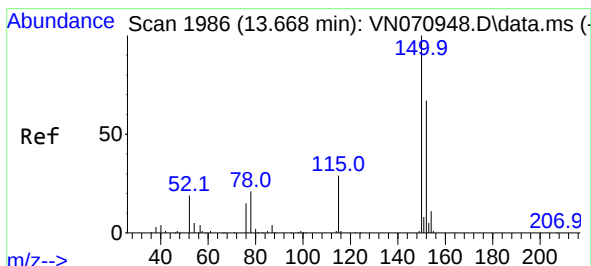
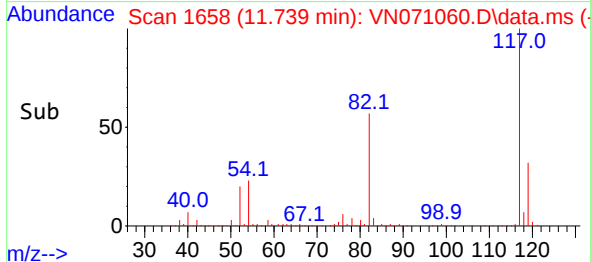
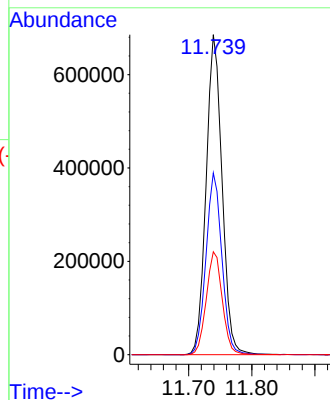
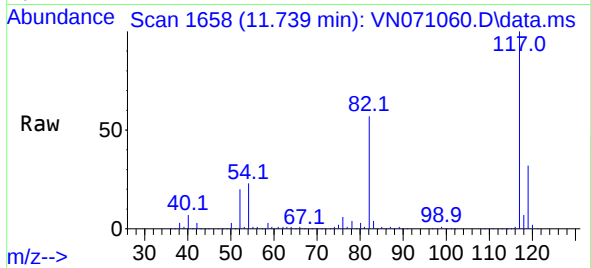




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

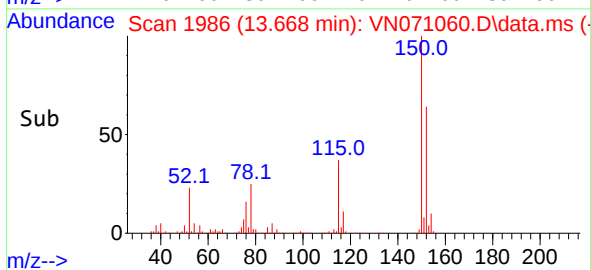
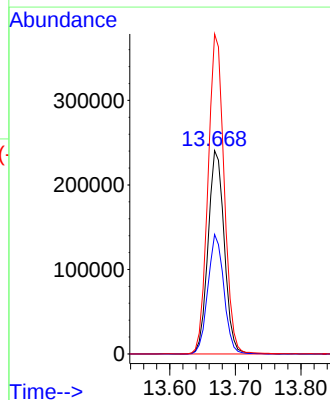
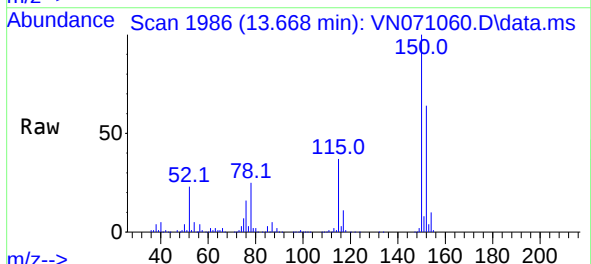
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

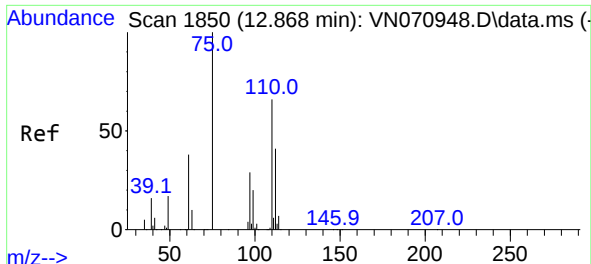
Tgt Ion:117 Resp: 1201796
Ion Ratio Lower Upper
117 100
82 56.8 42.4 63.6
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

Tgt Ion:152 Resp: 414001
Ion Ratio Lower Upper
152 100
115 58.0 27.5 82.5
150 156.7 0.0 344.4

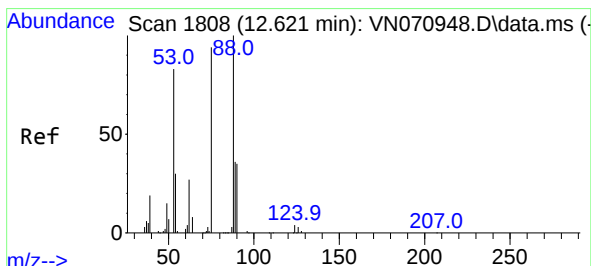
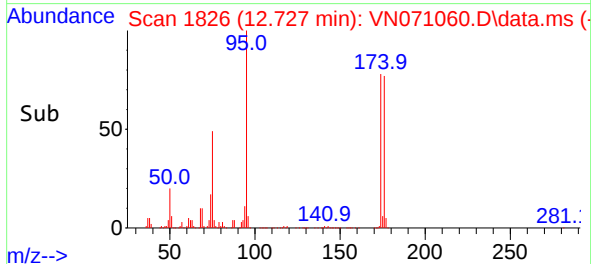
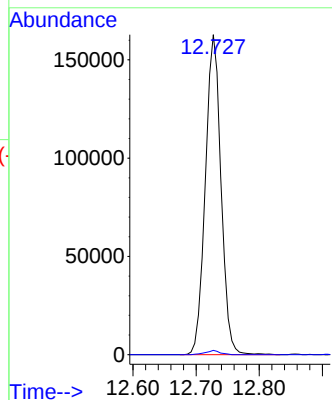
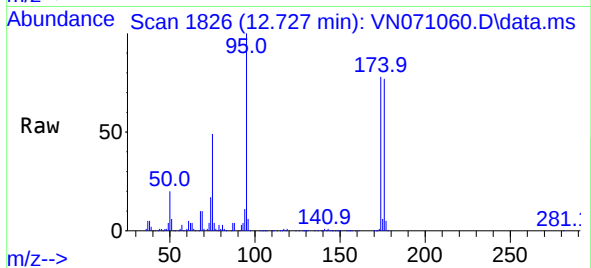




#76
1,2,3-Trichloropropane
Concen: 28.761 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

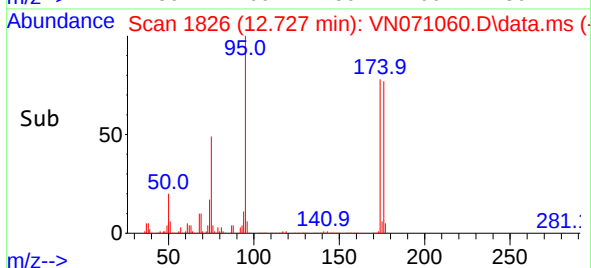
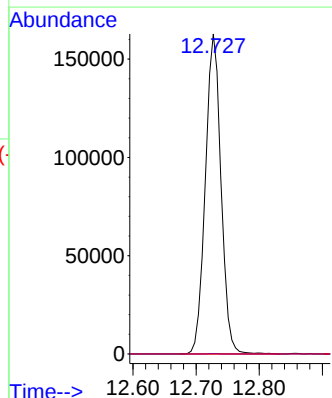
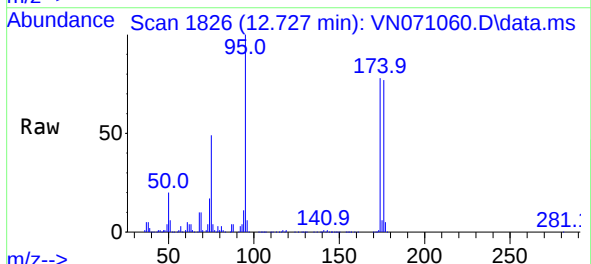
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

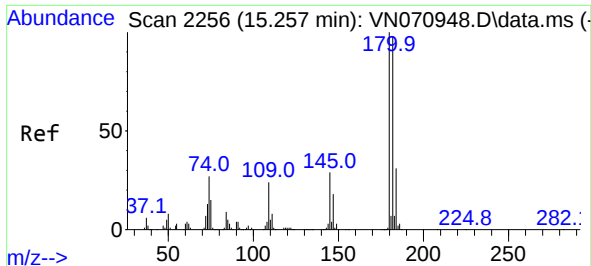
Tgt Ion: 75 Resp: 280353
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.199 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

Tgt Ion: 75 Resp: 280353
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

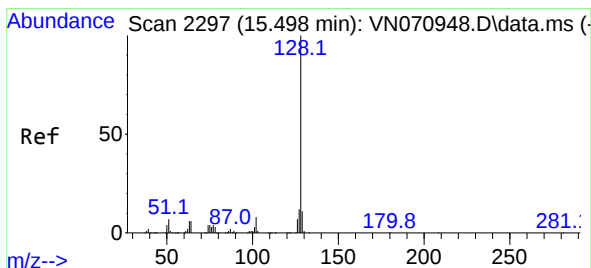
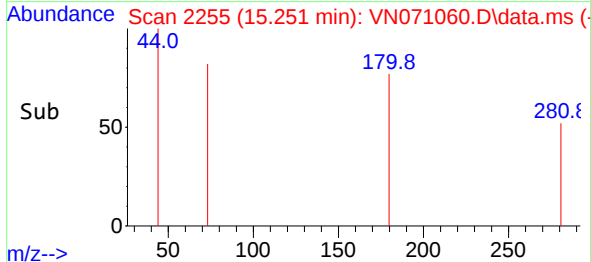
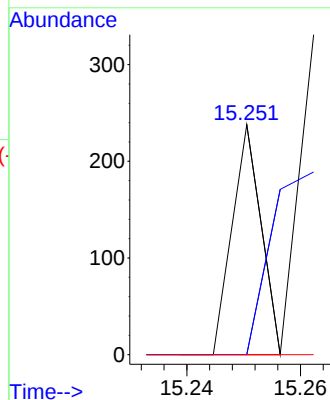
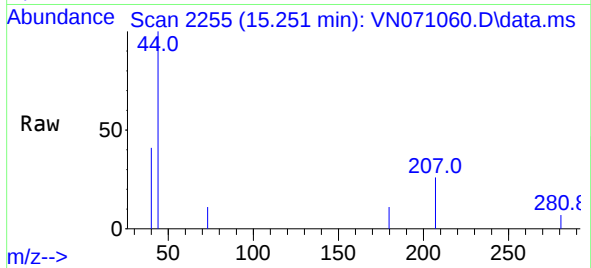




#93
1,2,4-Trichlorobenzene
Concen: 2.009 ug/l
RT: 15.251 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

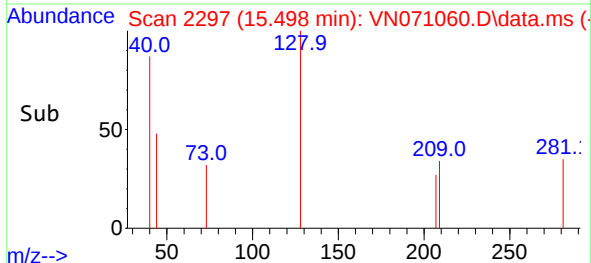
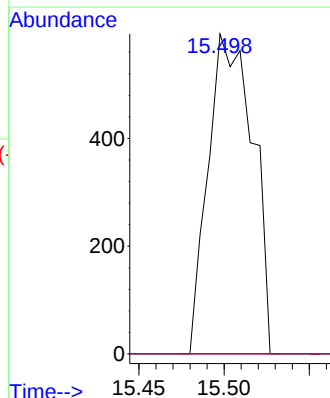
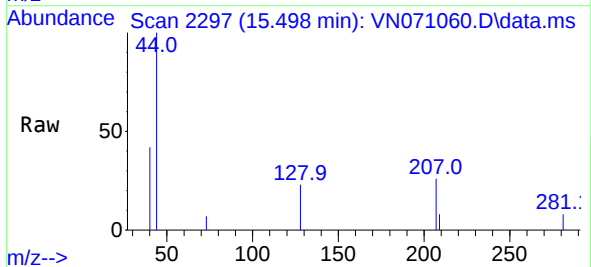
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

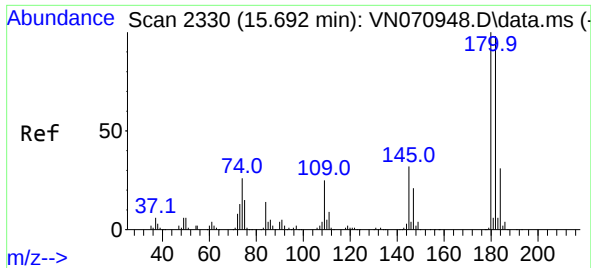
Tgt Ion:180 Resp: 84
Ion Ratio Lower Upper
180 100
182 242.9 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.042 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071060.D
Acq: 24 Feb 2022 17:08

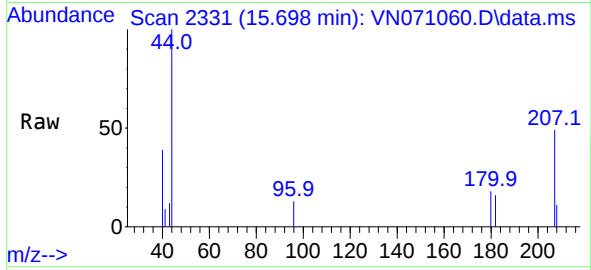
Tgt Ion:128 Resp: 1080
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.559 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071060.D
 Acq: 24 Feb 2022 17:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142888ZHE#05



Tgt Ion:	180	Resp:	319
Ion	Ratio	Lower	Upper
180	100		
182	105.6	47.4	142.2
145	0.0	15.0	45.1#

