

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040722\
 Data File : VN071902.D
 Acq On : 07 Apr 2022 14:14
 Operator : JC\MD
 Sample : PB143949TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143949TB

Quant Time: Apr 08 01:14:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

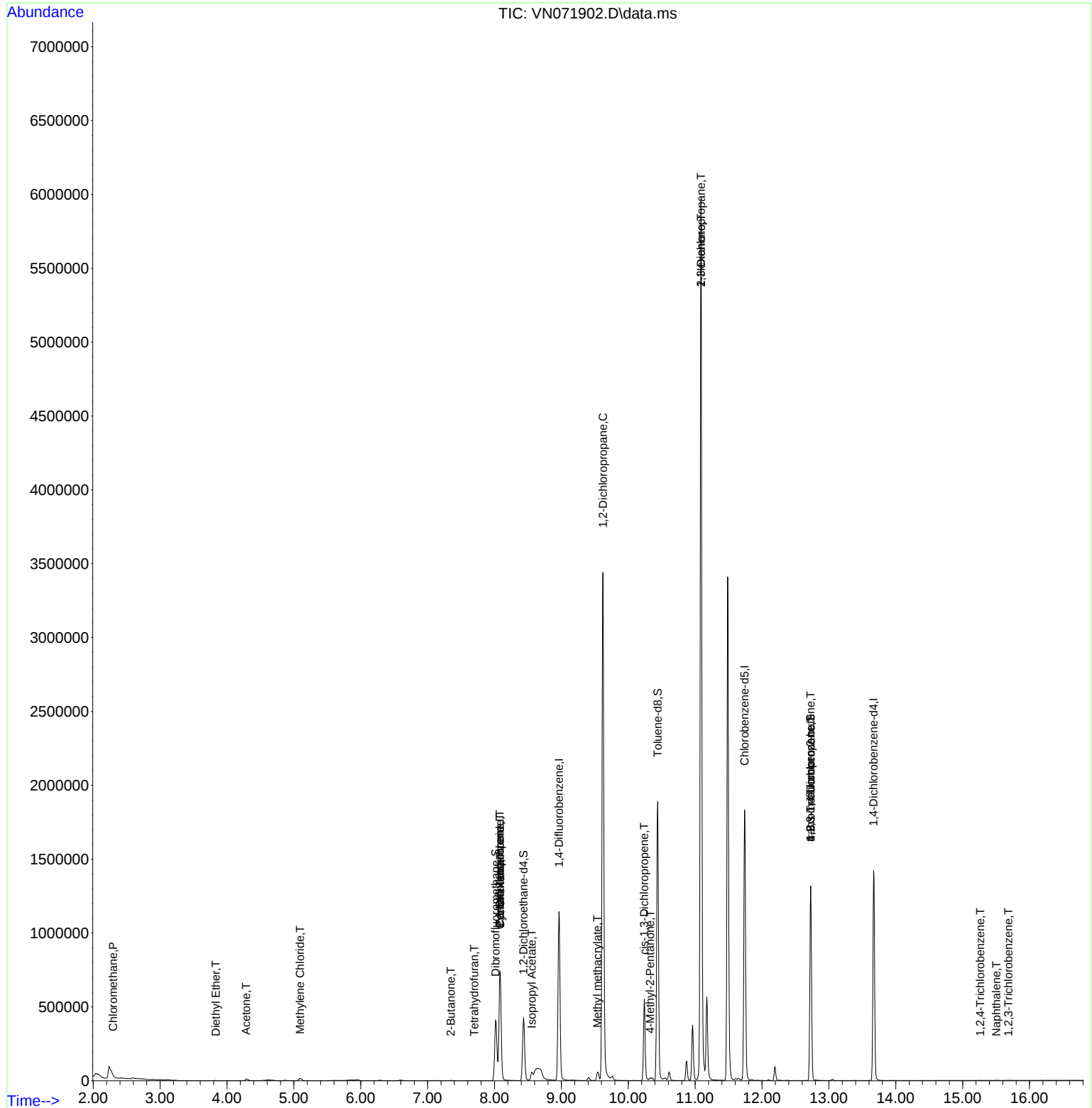
Internal Standards						
1) Pentafluorobenzene	8.080	168	621022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1075474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1161533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	425557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	343571	48.461	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.920%
35) Dibromofluoromethane	8.016	113	307723	48.625	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.240%
50) Toluene-d8	10.439	98	1391843	53.763	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.520%
62) 4-Bromofluorobenzene	12.727	95	482276	57.600	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	115.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	1354	0.216	ug/l #	78
8) Diethyl Ether	3.834	74	1062	0.287	ug/l	95
16) Acetone	4.287	43	21698	7.161	ug/l	95
18) Methyl Acetate	4.863	43	6768	Below Cal	#	74
20) Methylene Chloride	5.092	84	13273	2.078	ug/l #	94
25) 2-Butanone	7.345	43	3964	0.908	ug/l #	82
29) Tetrahydrofuran	7.698	42	1049	0.371	ug/l #	68
31) Cyclohexane	8.086	56	9805	1.017	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	40931	4.631	ug/l #	50
38) Carbon Tetrachloride	8.080	117	54831	6.331	ug/l #	18
43) Isopropyl Acetate	8.557	43	60810	3.780	ug/l #	93
45) 1,2-Dichloropropane	9.622	63	4834	0.693	ug/l #	44
48) Methyl methacrylate	9.539	41	14956	2.241	ug/l #	10
49) 1,4-Dioxane	9.627	88	474	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	13082	1.414	ug/l	99
54) cis-1,3-Dichloropropene	10.239	75	113110	10.479	ug/l #	58
57) 1,3-Dichloropropane	11.086	76	70142	5.776	ug/l #	42
59) 2-Hexanone	11.086	43	829218	127.322	ug/l #	49
76) 1,2,3-Trichloropropane	12.727	75	228456	23.174	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	228456	71.815	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.262	180	753	2.192	ug/l #	63
95) Naphthalene	15.504	128	2017	3.899	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.686	180	693	2.515	ug/l #	75

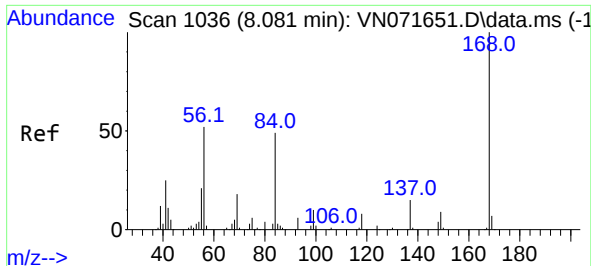
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

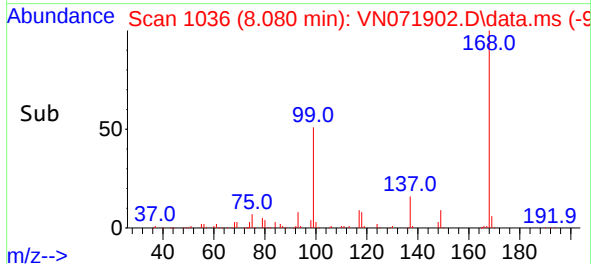
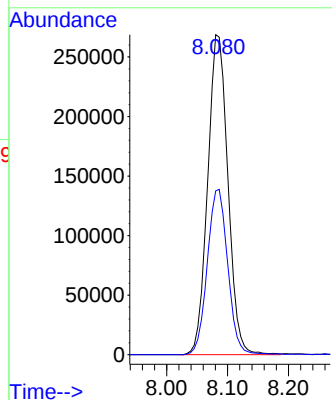
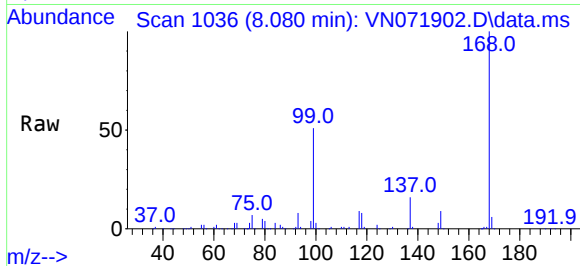




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

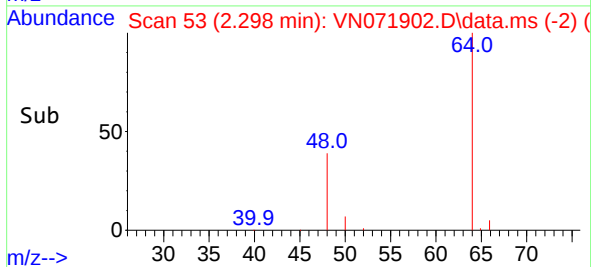
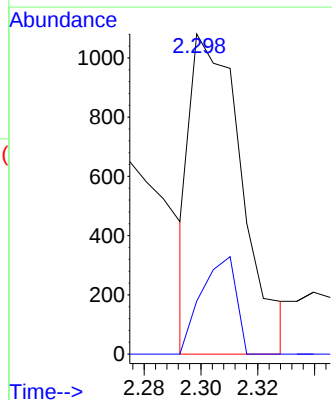
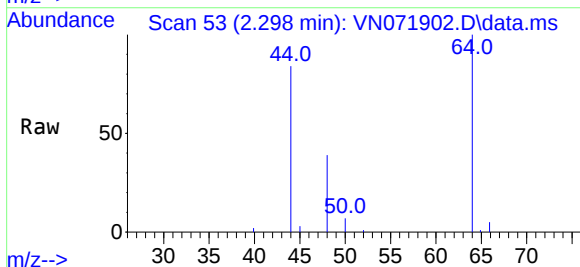
Instrument :
MSVOA_N
ClientSampleId :
PB143949TB

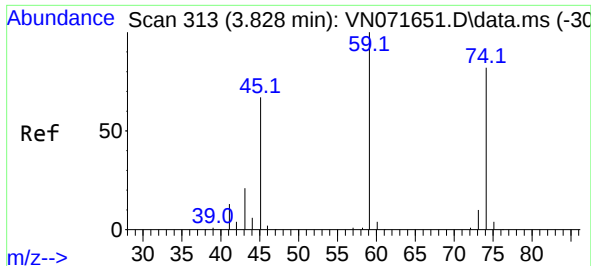
Tgt Ion:168 Resp: 621022
Ion Ratio Lower Upper
168 100
99 51.2 42.3 63.5



#3
Chloromethane
Concen: 0.216 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

Tgt Ion: 50 Resp: 1354
Ion Ratio Lower Upper
50 100
52 19.8 25.7 38.5#

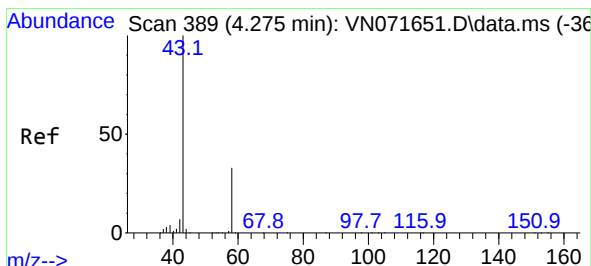
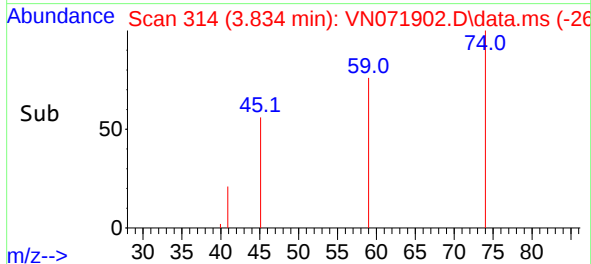
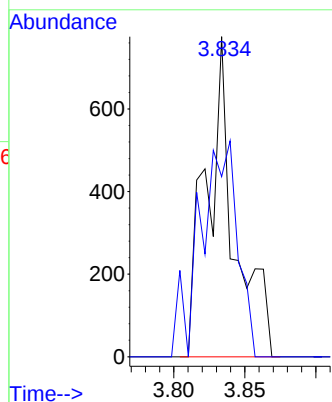
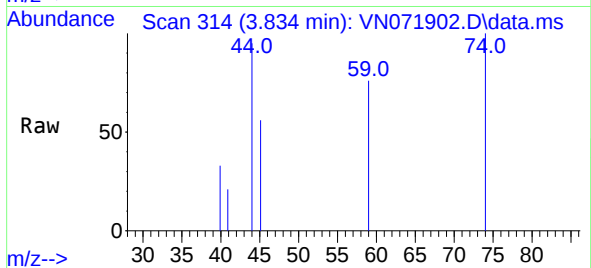




#8
Diethyl Ether
Concen: 0.287 ug/l
RT: 3.834 min Scan# 313
Delta R.T. 0.006 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

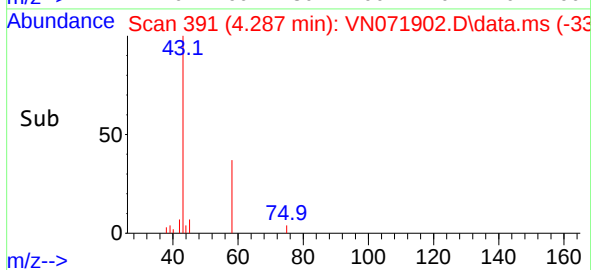
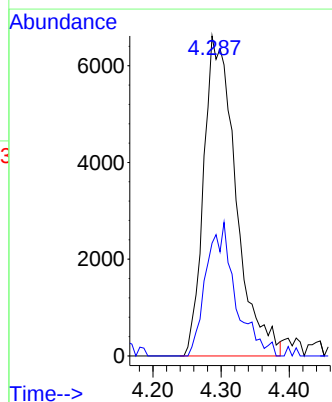
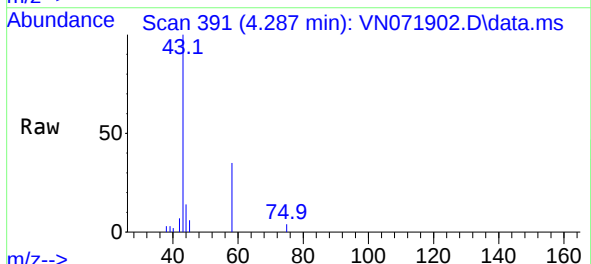
Instrument :
MSVOA_N
ClientSampleId :
PB143949TB

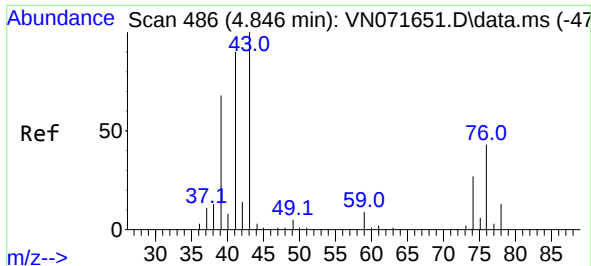
Tgt Ion: 74 Resp: 1062
Ion Ratio Lower Upper
74 100
45 90.5 42.9 128.5



#16
Acetone
Concen: 7.161 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

Tgt Ion: 43 Resp: 21698
Ion Ratio Lower Upper
43 100
58 35.3 26.0 39.0

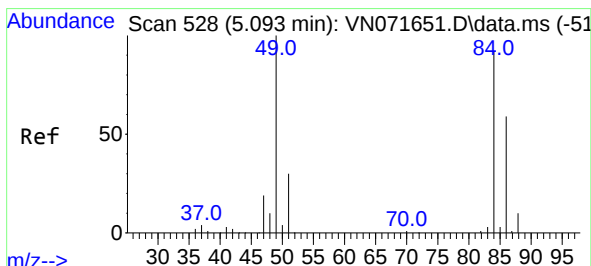
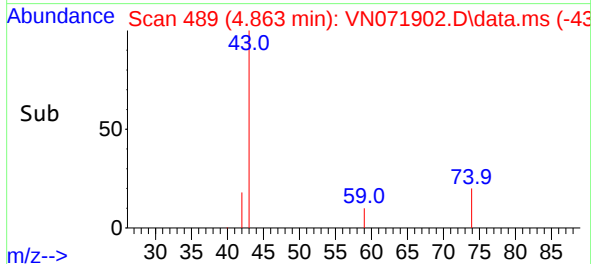
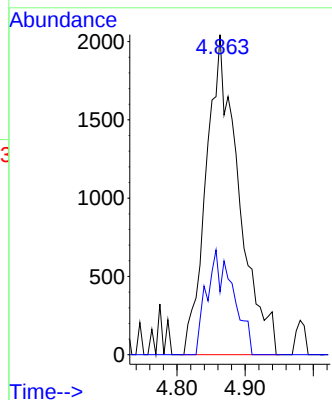
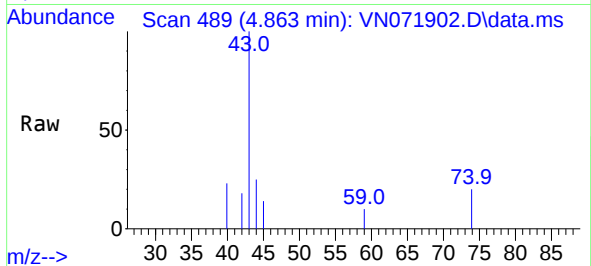




#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

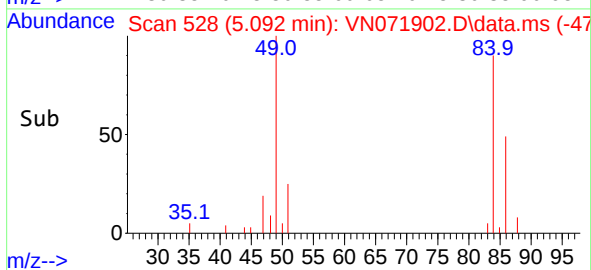
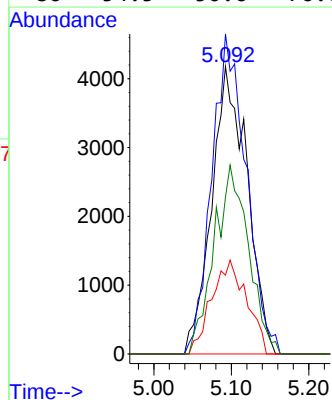
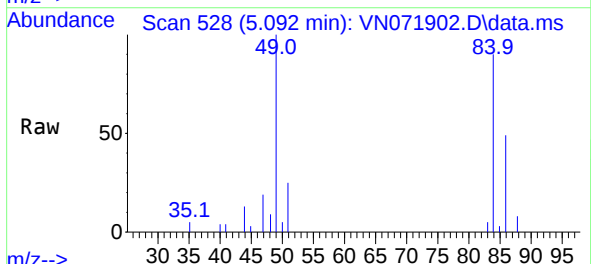
Instrument :
MSVOA_N
ClientSampleId :
PB143949TB

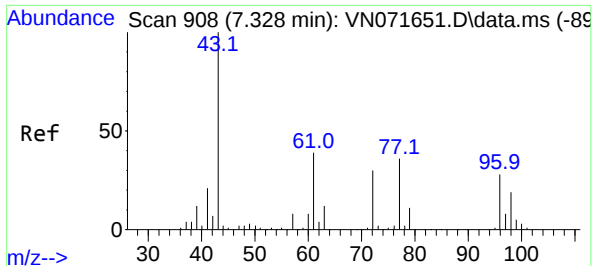
Tgt Ion: 43 Resp: 6768
Ion Ratio Lower Upper
43 100
74 13.6 21.6 32.4#



#20
Methylene Chloride
Concen: 2.078 ug/l
RT: 5.092 min Scan# 528
Delta R.T. -0.001 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

Tgt Ion: 84 Resp: 13273
Ion Ratio Lower Upper
84 100
49 111.3 88.3 132.5
51 27.5 28.2 42.2#
86 54.5 50.6 76.0

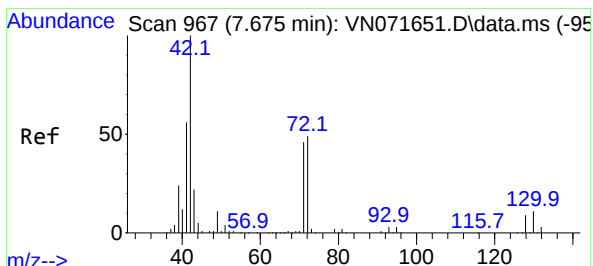
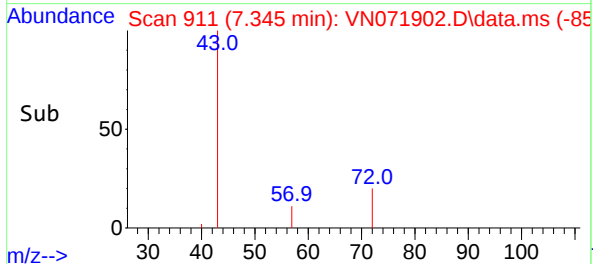
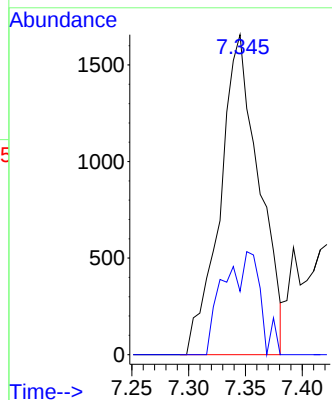
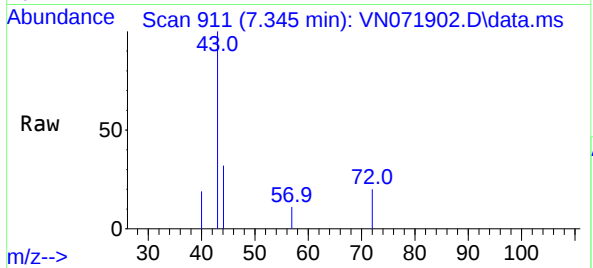




#25
2-Butanone
Concen: 0.908 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

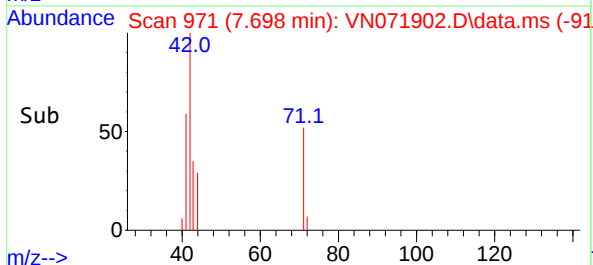
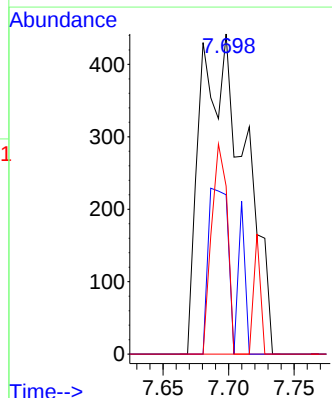
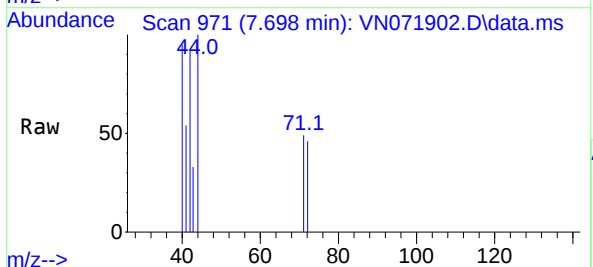
Instrument :
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ClientSampleId :
PB143949TB

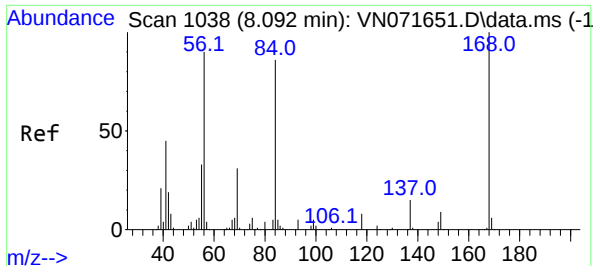
Tgt Ion: 43 Resp: 3964
Ion Ratio Lower Upper
43 100
72 19.8 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.371 ug/l
RT: 7.698 min Scan# 971
Delta R.T. 0.023 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

Tgt Ion: 42 Resp: 1049
Ion Ratio Lower Upper
42 100
72 29.7 39.7 59.5#
71 23.1 36.6 55.0#





#31

Cyclohexane

Concen: 1.017 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071902.D

Acq: 07 Apr 2022 14:14

Instrument :

MSVOA_N

ClientSampleId :

PB143949TB

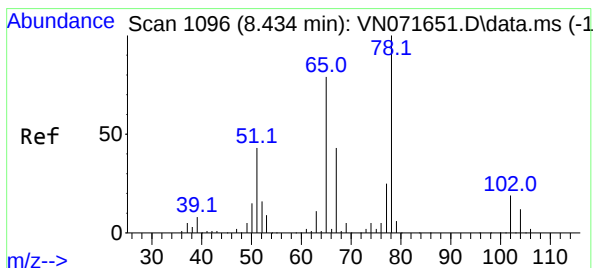
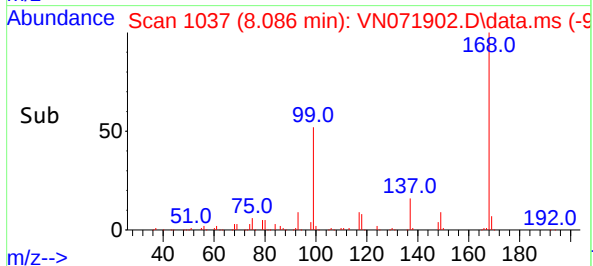
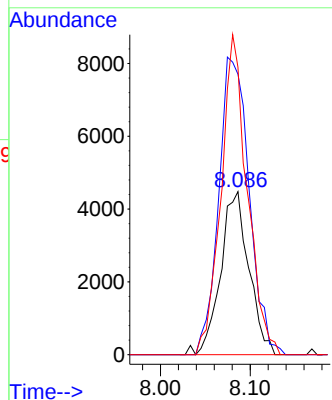
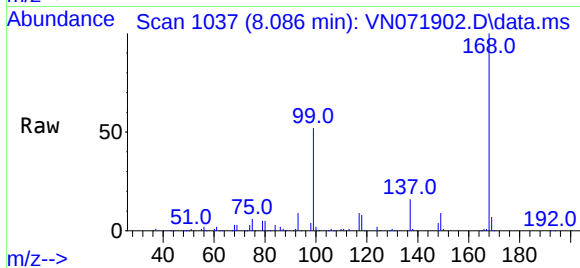
Tgt Ion: 56 Resp: 9805

Ion Ratio Lower Upper

56 100

69 172.1 27.8 41.8#

84 176.3 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 48.461 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN071902.D

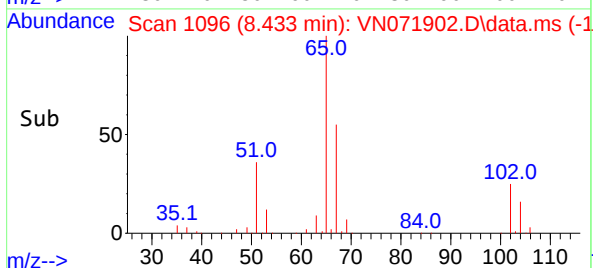
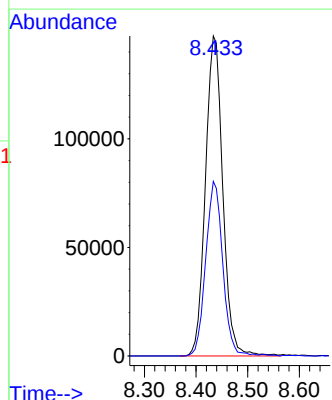
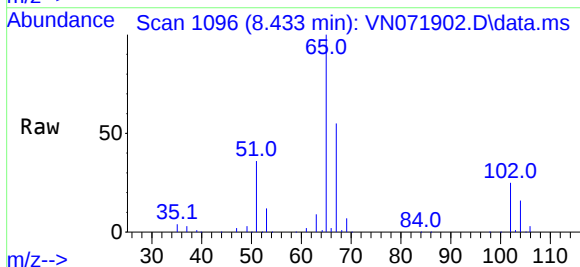
Acq: 07 Apr 2022 14:14

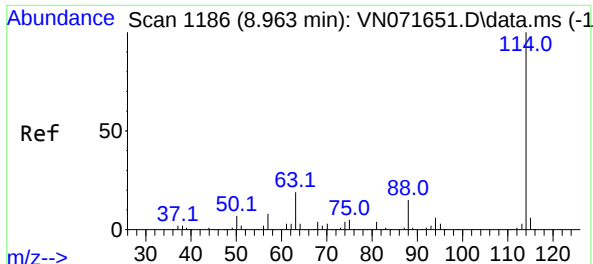
Tgt Ion: 65 Resp: 343571

Ion Ratio Lower Upper

65 100

67 53.6 0.0 104.8

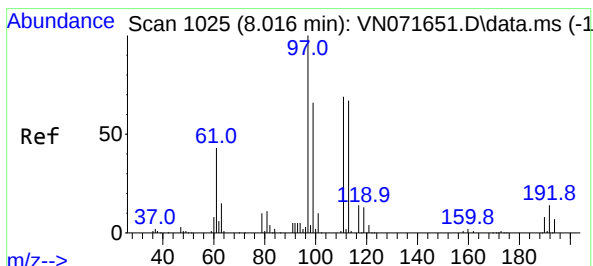
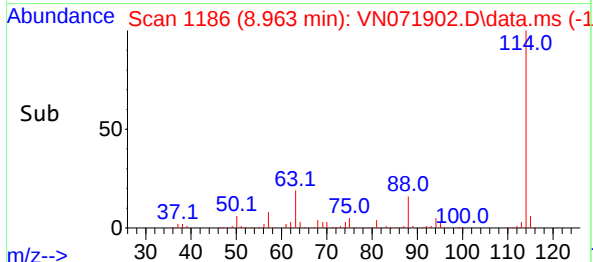
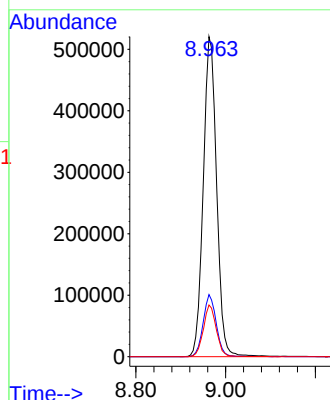
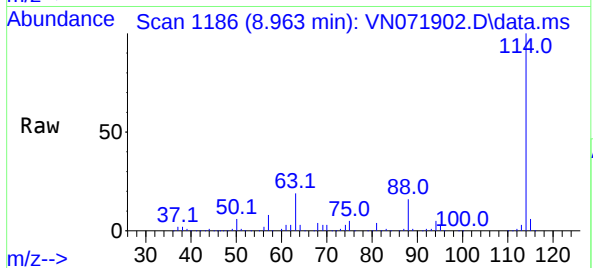




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

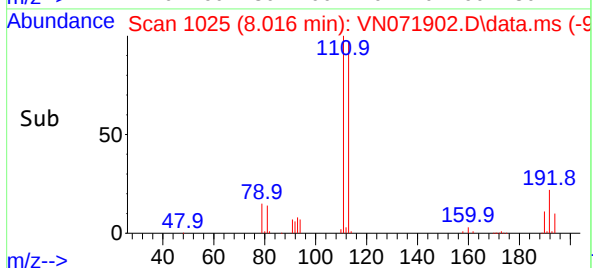
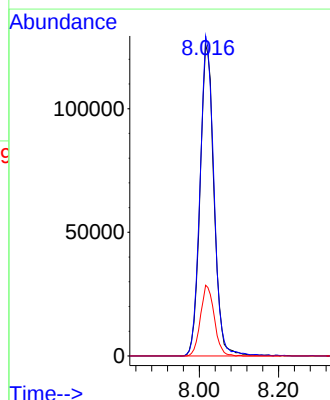
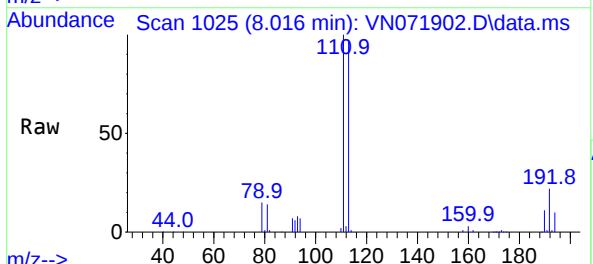
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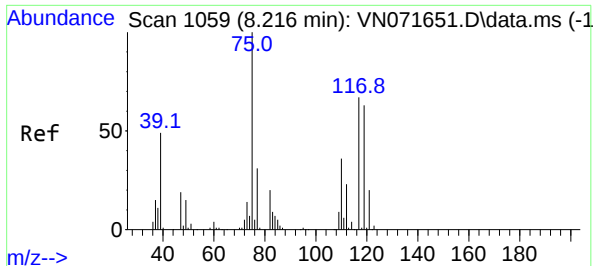
Tgt Ion:114 Resp: 1075474
Ion Ratio Lower Upper
114 100
63 19.4 0.0 40.0
88 16.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.625 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

Tgt Ion:113 Resp: 307723
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.0
192 22.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.631 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.136 min

Lab File: VN071902.D

Acq: 07 Apr 2022 14:14

Instrument :

MSVOA_N

ClientSampleId :

PB143949TB

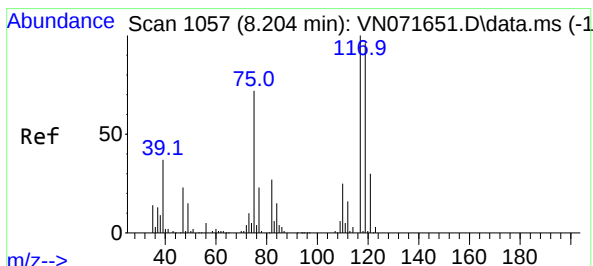
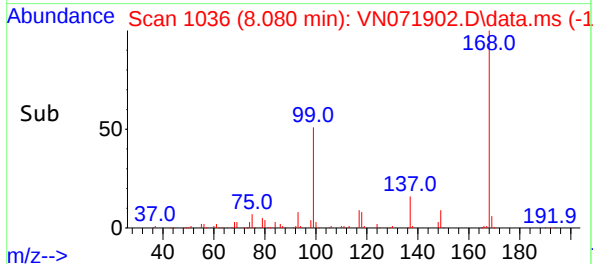
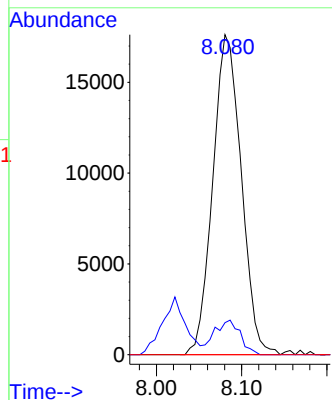
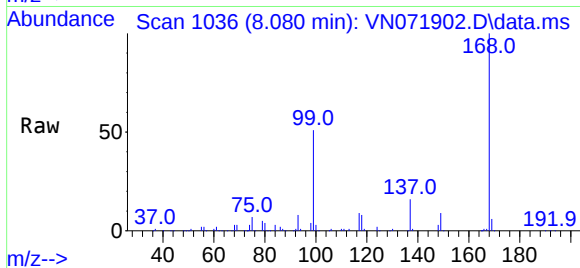
Tgt Ion: 75 Resp: 40931

Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.331 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.124 min

Lab File: VN071902.D

Acq: 07 Apr 2022 14:14

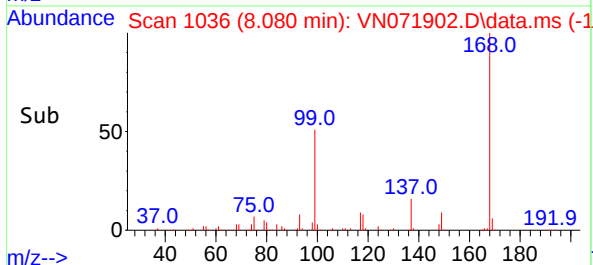
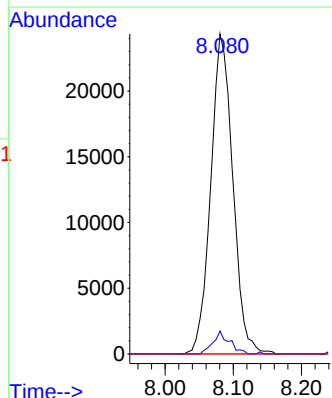
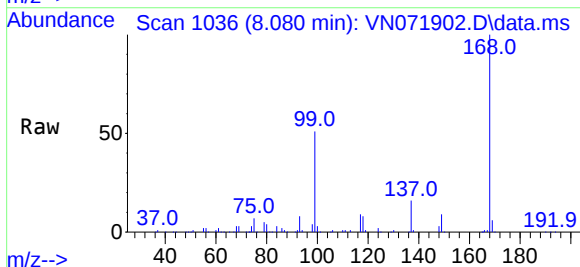
Tgt Ion: 117 Resp: 54831

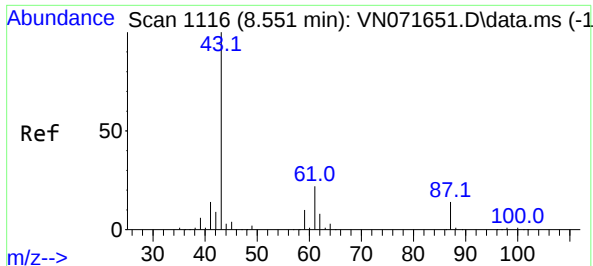
Ion Ratio Lower Upper

117 100

119 7.1 75.8 113.8#

121 0.0 24.6 37.0#

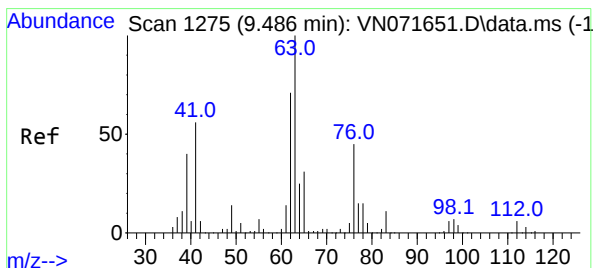
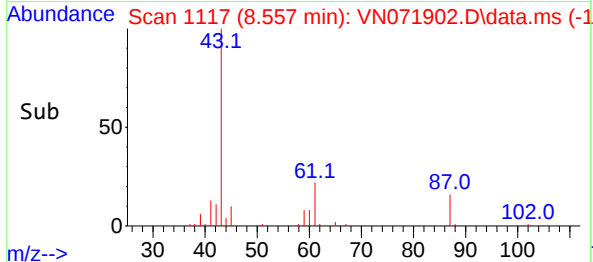
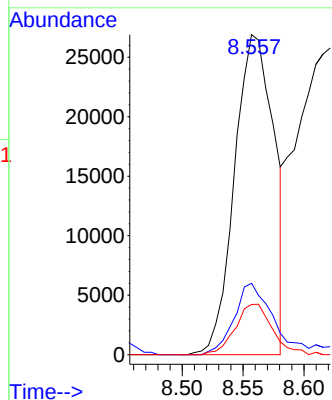
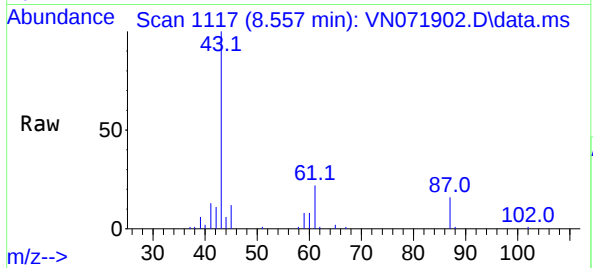




#43
Isopropyl Acetate
Concen: 3.780 ug/l
RT: 8.557 min Scan# 1116
Delta R.T. 0.006 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

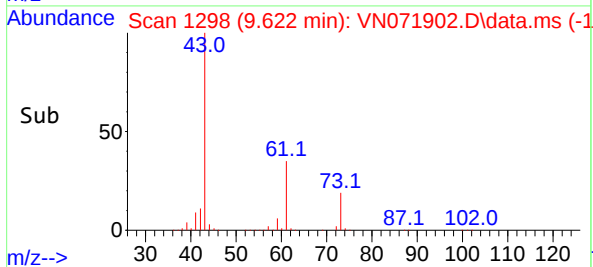
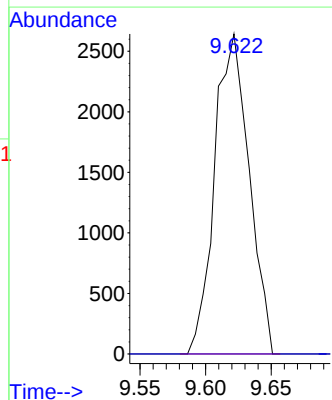
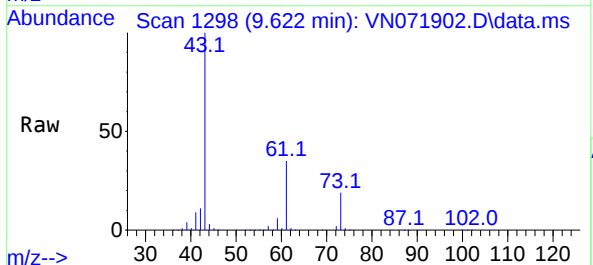
Instrument :
MSVOA_N
ClientSampleId :
PB143949TB

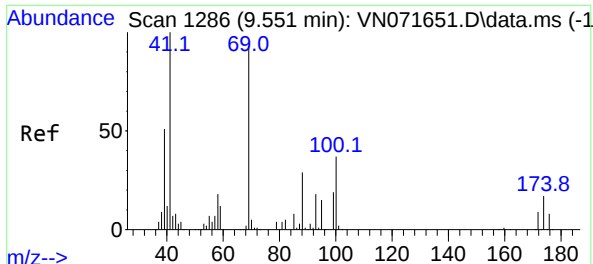
Tgt Ion: 43 Resp: 60810
Ion Ratio Lower Upper
43 100
61 21.8 21.9 32.9#
87 14.8 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.693 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

Tgt Ion: 63 Resp: 4834
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.241 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN071902.D

Acq: 07 Apr 2022 14:14

Instrument :

MSVOA_N

ClientSampleId :

PB143949TB

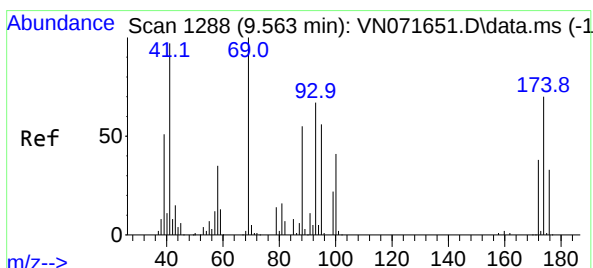
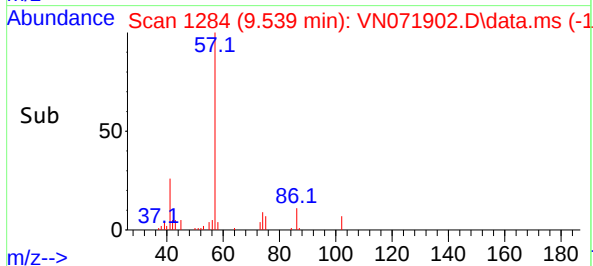
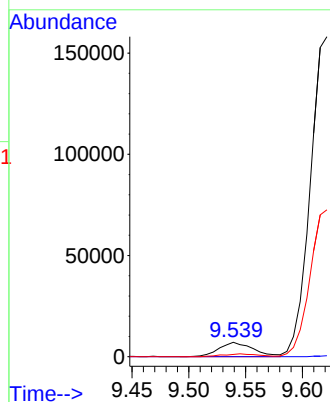
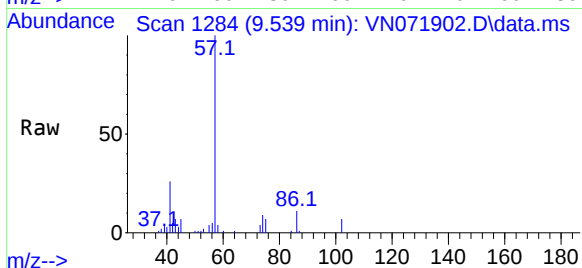
Tgt Ion: 41 Resp: 14956

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: Below Cal

RT: 9.627 min Scan# 1299

Delta R.T. 0.064 min

Lab File: VN071902.D

Acq: 07 Apr 2022 14:14

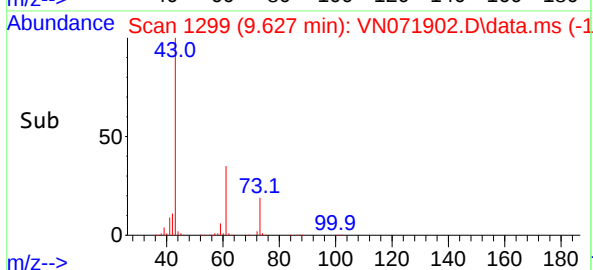
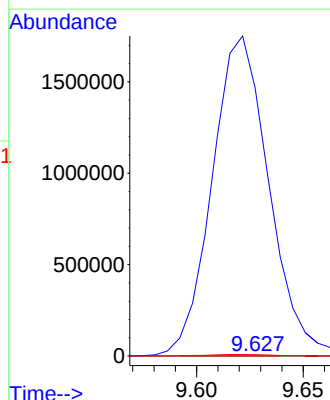
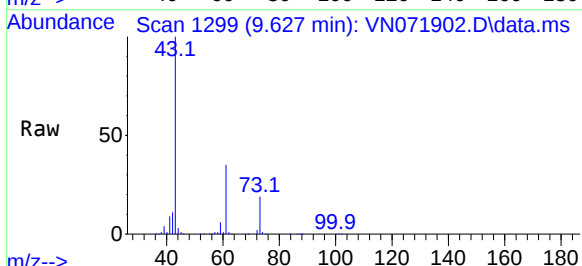
Tgt Ion: 88 Resp: 474

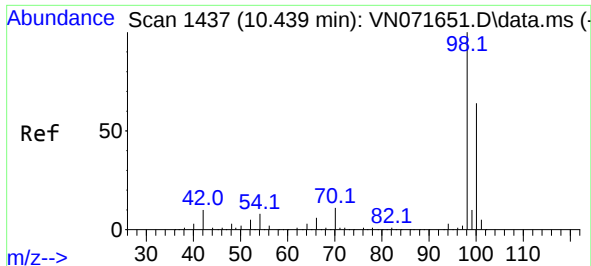
Ion Ratio Lower Upper

88 100

43 700013.1 20.2 30.4#

58 3563.7 54.2 81.4#

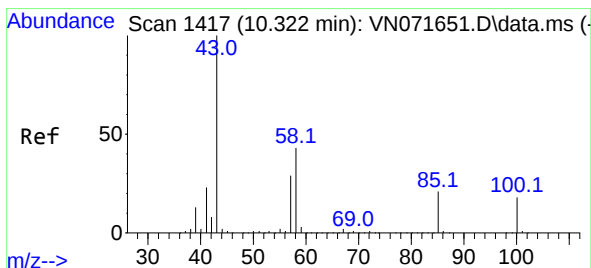
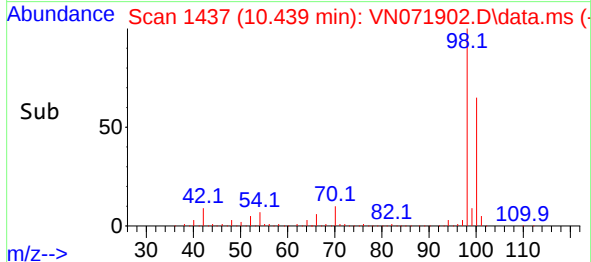
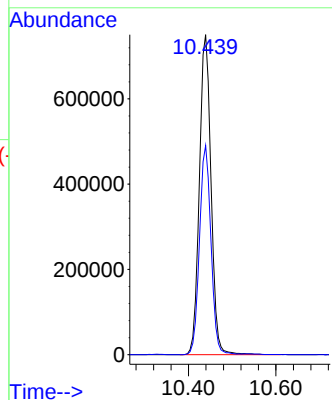
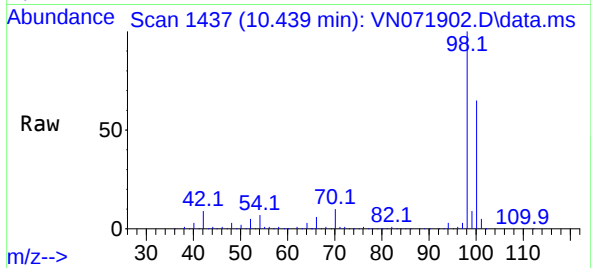




#50
Toluene-d8
Concen: 53.763 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

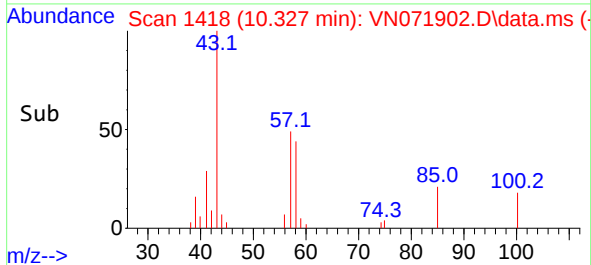
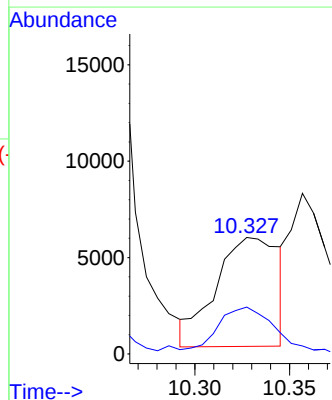
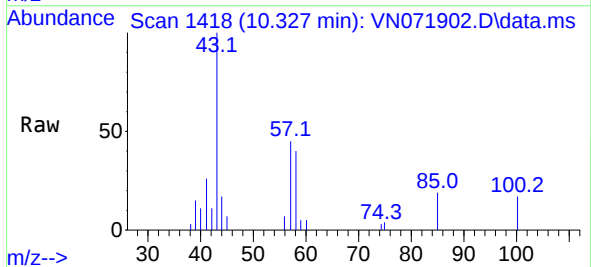
Instrument :
MSVOA_N
ClientSampleId :
PB143949TB

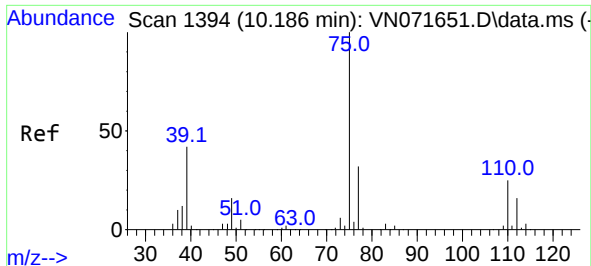
Tgt Ion: 98 Resp: 1391843
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.414 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.005 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

Tgt Ion: 43 Resp: 13082
Ion Ratio Lower Upper
43 100
58 41.9 34.1 51.1

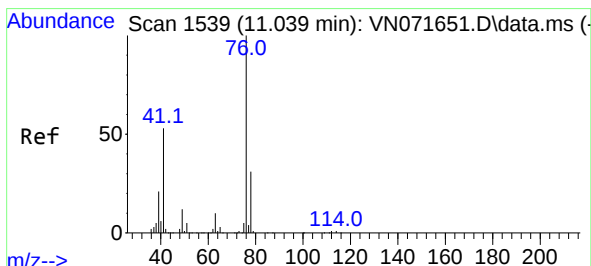
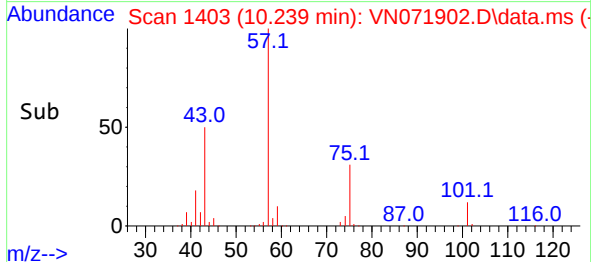
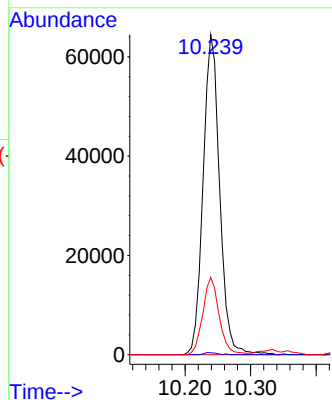
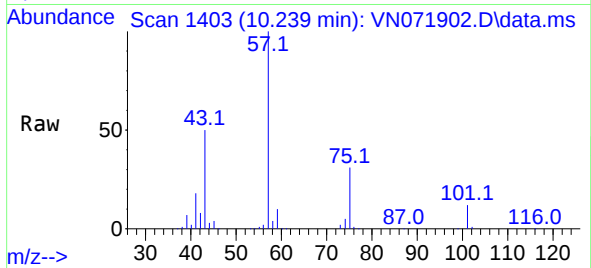




#54
cis-1,3-Dichloropropene
Concen: 10.479 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

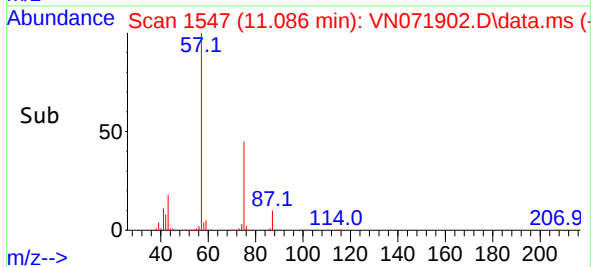
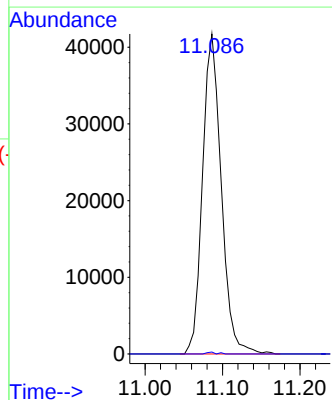
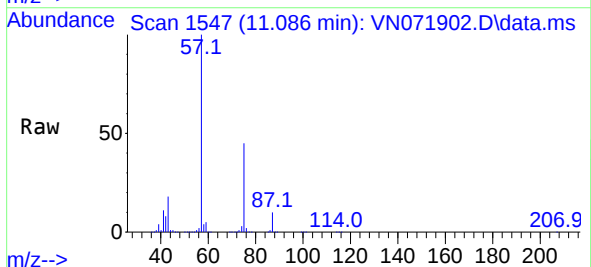
Instrument :
MSVOA_N
ClientSampleId :
PB143949TB

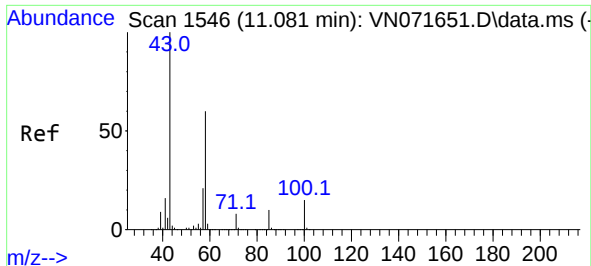
Tgt Ion: 75 Resp: 113110
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 24.1 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 5.776 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

Tgt Ion: 76 Resp: 70142
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

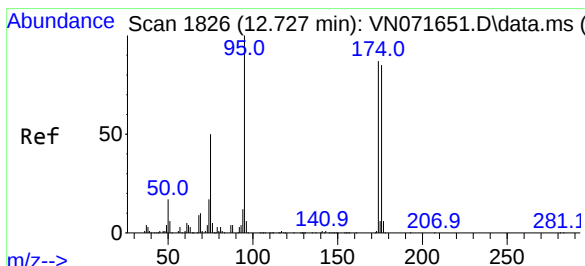
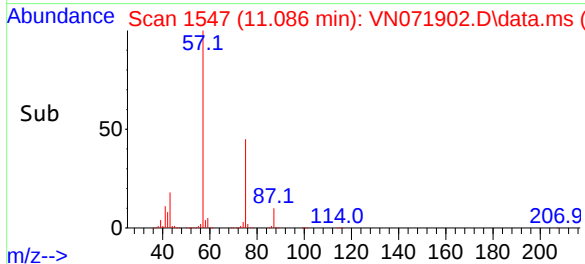
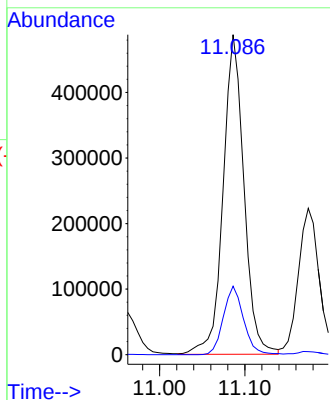
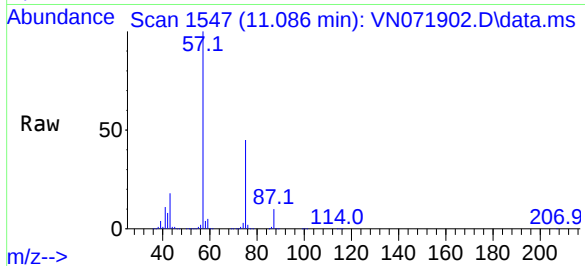




#59
2-Hexanone
Concen: 127.322 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.005 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

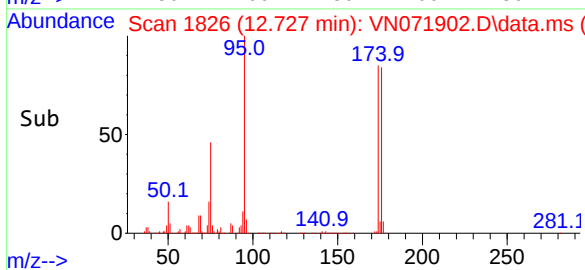
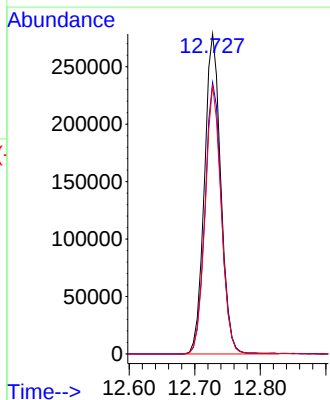
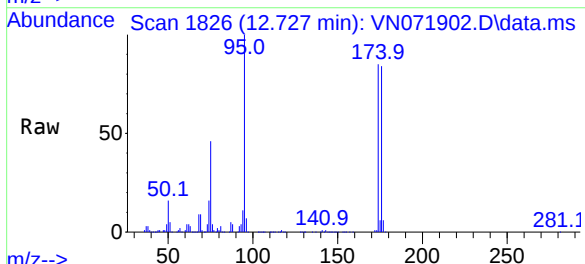
Instrument :
MSVOA_N
ClientSampleId :
PB143949TB

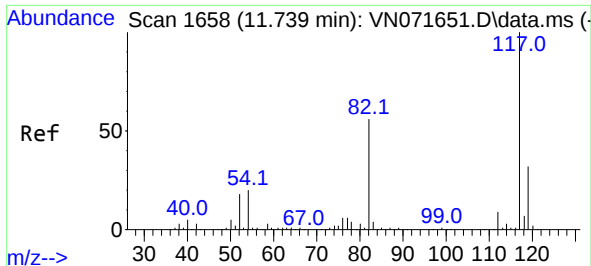
Tgt Ion: 43 Resp: 829218
Ion Ratio Lower Upper
43 100
58 20.7 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 57.600 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

Tgt Ion: 95 Resp: 482276
Ion Ratio Lower Upper
95 100
174 85.1 0.0 167.6
176 82.4 0.0 163.4

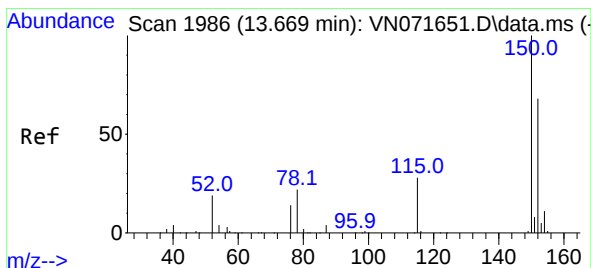
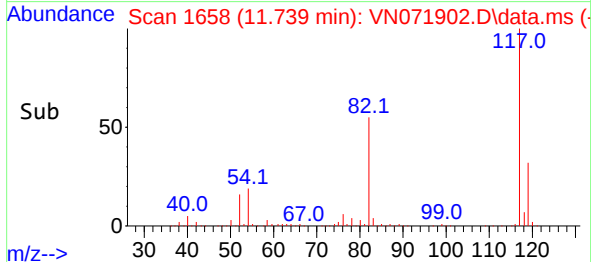
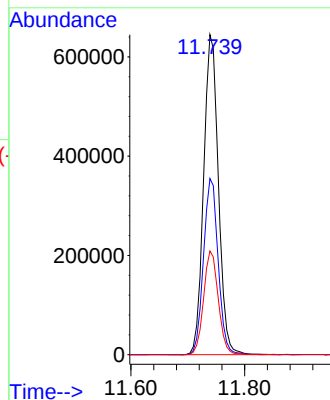
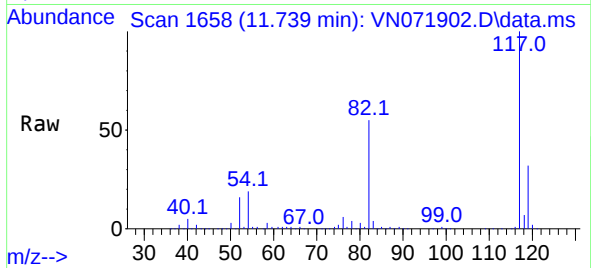




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

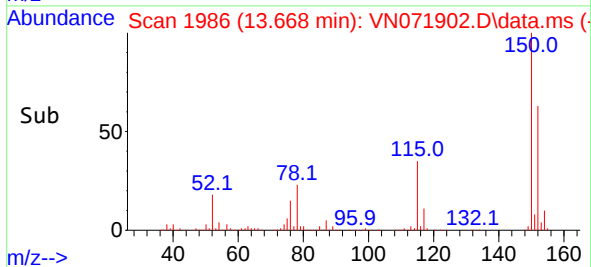
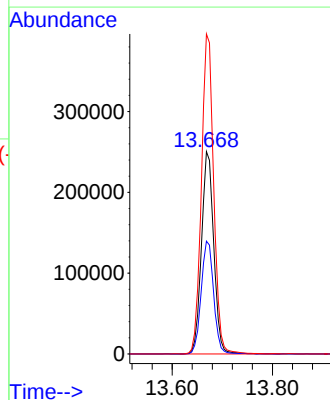
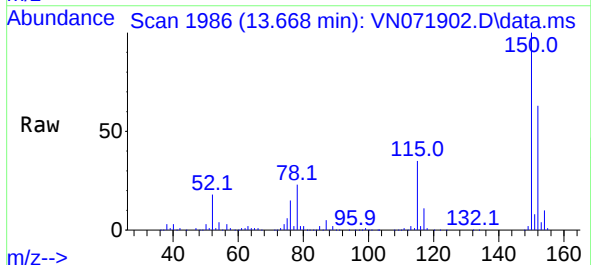
Instrument :
MSVOA_N
ClientSampleId :
PB143949TB

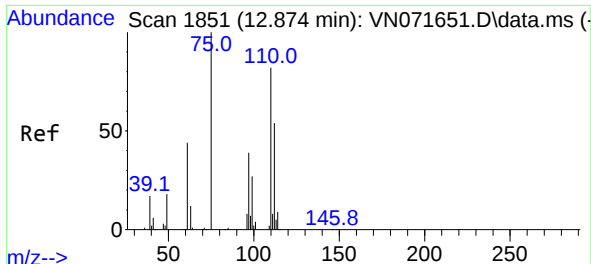
Tgt Ion:117 Resp: 1161533
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

Tgt Ion:152 Resp: 425557
Ion Ratio Lower Upper
152 100
115 56.7 28.9 86.7
150 158.1 0.0 356.2

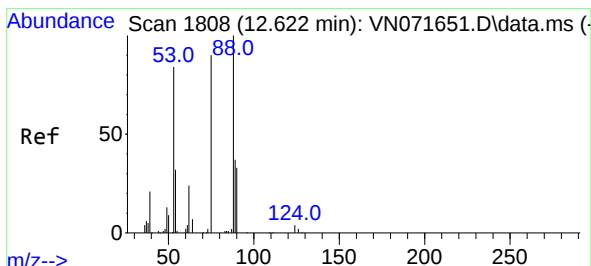
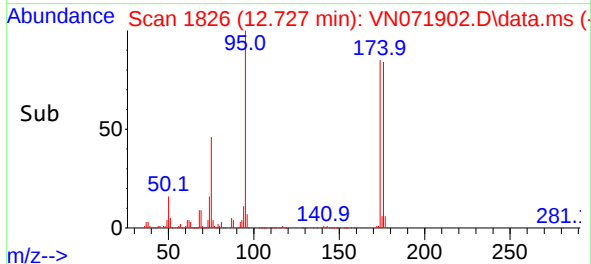
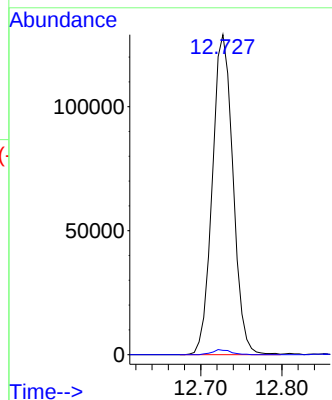
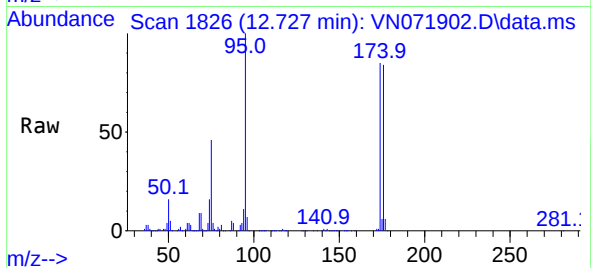




#76
1,2,3-Trichloropropane
Concen: 23.174 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

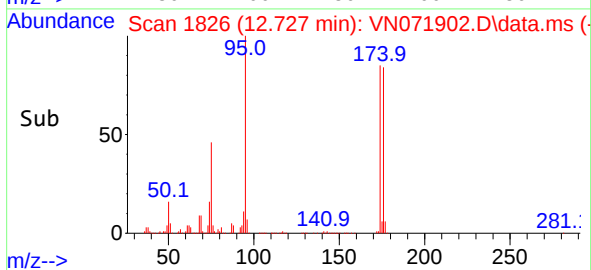
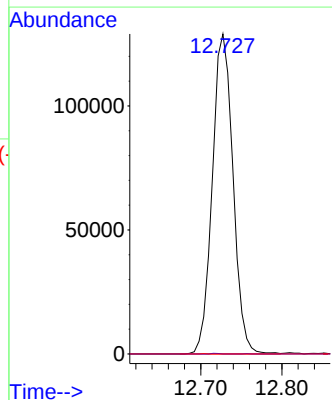
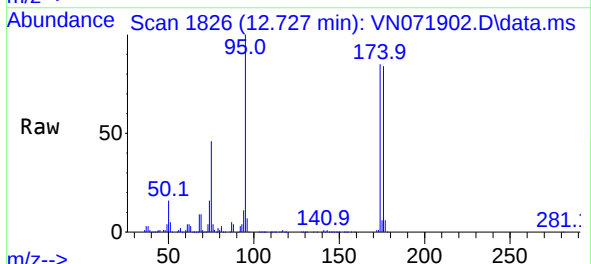
Instrument :
MSVOA_N
ClientSampleId :
PB143949TB

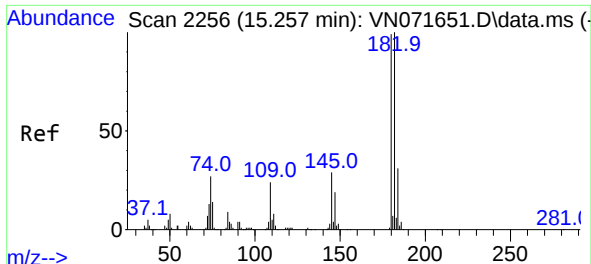
Tgt Ion: 75 Resp: 228456
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.815 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

Tgt Ion: 75 Resp: 228456
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

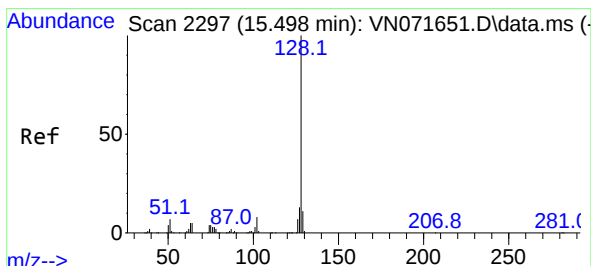
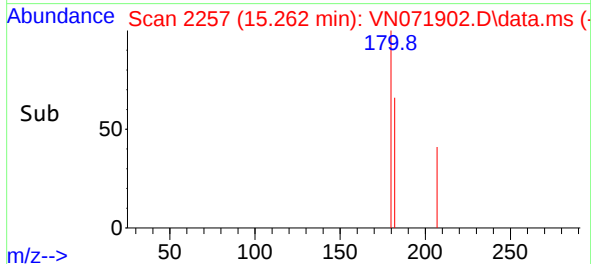
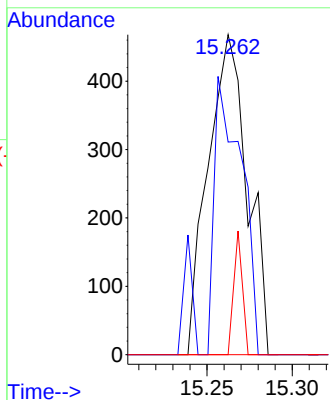
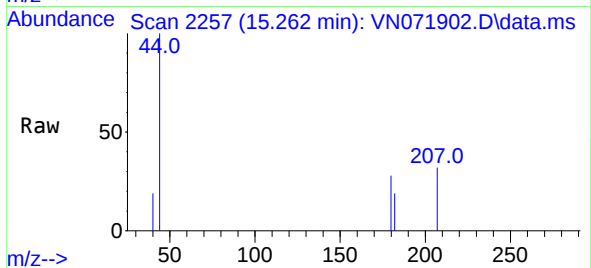




#93
1,2,4-Trichlorobenzene
Concen: 2.192 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

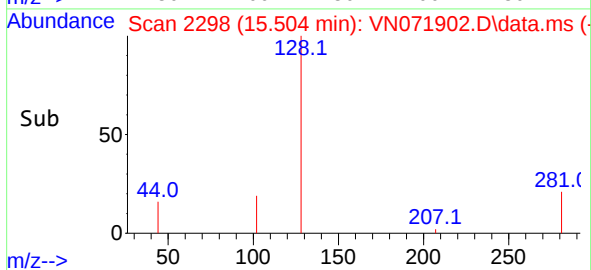
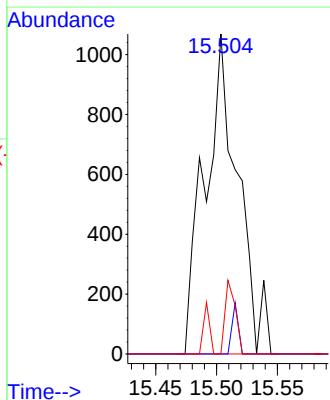
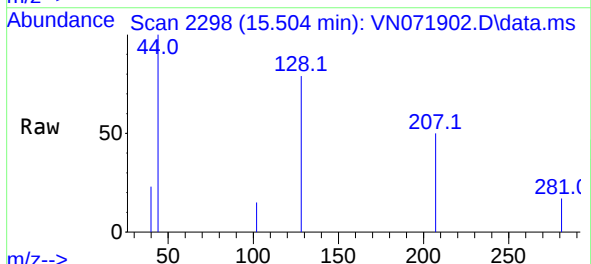
Instrument :
MSVOA_N
ClientSampleId :
PB143949TB

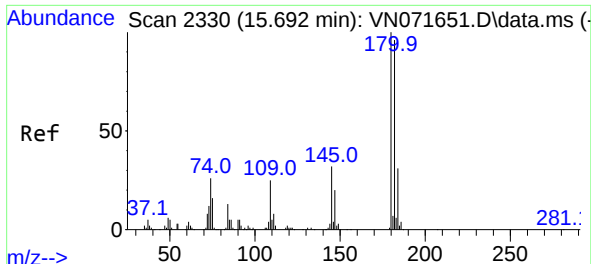
Tgt Ion:180 Resp: 753
Ion Ratio Lower Upper
180 100
182 59.8 47.5 142.5
145 8.5 14.5 43.5#



#95
Naphthalene
Concen: 3.899 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071902.D
Acq: 07 Apr 2022 14:14

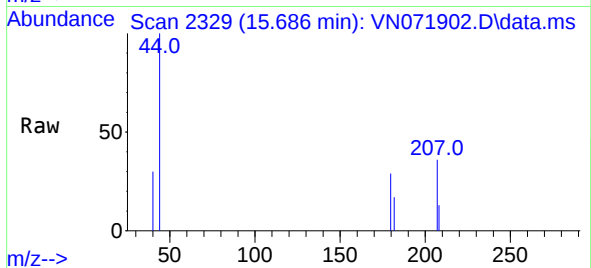
Tgt Ion:128 Resp: 2017
Ion Ratio Lower Upper
128 100
127 3.0 10.3 15.5#
129 7.1 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.515 ug/l
 RT: 15.686 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071902.D
 Acq: 07 Apr 2022 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143949TB



Tgt Ion:	180	Resp:	693
Ion	Ratio	Lower	Upper
180	100		
182	110.4	47.8	143.3
145	0.0	15.5	46.5#

