

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071586.D
 Acq On : 26 Mar 2022 20:39
 Operator : JC\MD
 Sample : PB143555TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143555TB

Quant Time: Mar 28 02:21:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

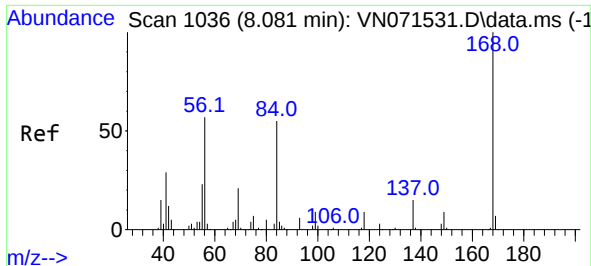
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	792421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1340659	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1347792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	501850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	451647	45.876	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.760%		
35) Dibromofluoromethane	8.022	113	381692	45.301	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.600%		
50) Toluene-d8	10.439	98	1704205	50.146	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.300%		
62) 4-Bromofluorobenzene	12.727	95	568719	51.072	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.140%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	3782	Below Cal	#	68
5) Bromomethane	2.875	94	1452	0.247	ug/l	86
8) Diethyl Ether	3.822	74	15176	2.829	ug/l	98
13) Acrolein	4.051	56	308	0.220	ug/l #	44
16) Acetone	4.293	43	26542	6.577	ug/l	99
18) Methyl Acetate	4.857	43	19748	0.639	ug/l #	68
20) Methylene Chloride	5.093	84	16074	1.709	ug/l	96
25) 2-Butanone	7.339	43	5675	0.877	ug/l #	88
29) Tetrahydrofuran	7.698	42	975	0.226	ug/l #	88
31) Cyclohexane	8.081	56	14359	1.019	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	56690	4.667	ug/l #	48
38) Carbon Tetrachloride	8.086	117	73097	6.173	ug/l #	17
43) Isopropyl Acetate	8.563	43	149243	6.698	ug/l #	73
45) 1,2-Dichloropropane	9.622	63	5197	0.555	ug/l #	44
48) Methyl methacrylate	9.545	41	17093	1.788	ug/l #	10
49) 1,4-Dioxane	9.622	88	666	3.019	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	12048	0.909	ug/l	99
54) cis-1,3-Dichloropropene	10.239	75	112015	7.560	ug/l #	62
57) 1,3-Dichloropropane	11.086	76	72735	4.505	ug/l #	42
59) 2-Hexanone	11.086	43	942965	98.669	ug/l #	47
71) Bromoform	12.727	173	3603	0.453	ug/l #	1
74) N-amyl acetate	12.192	43	34273	2.410	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.721	83	242	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	283278	25.314	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	10755	0.308	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.727	75	283278	67.772	ug/l #	10
95) Naphthalene	15.504	128	5439	3.414	ug/l #	92

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

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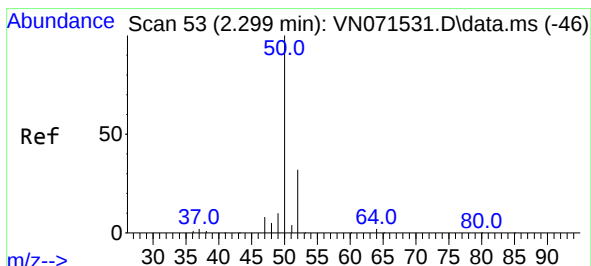
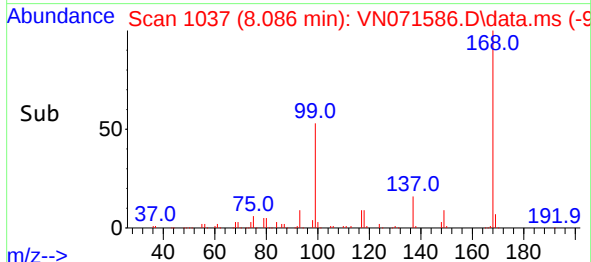
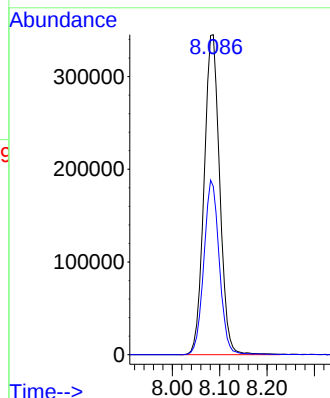
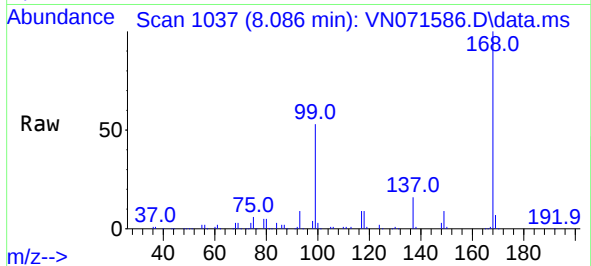




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

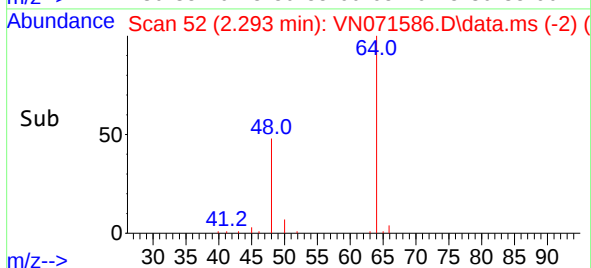
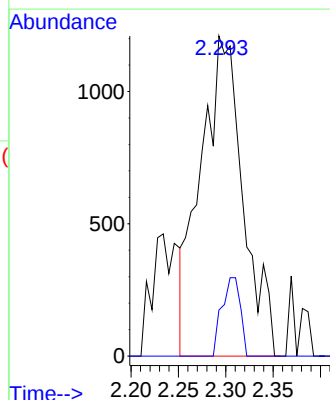
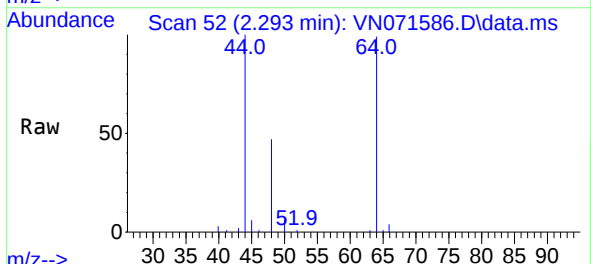
Instrument :
MSVOA_N
ClientSampleId :
PB143555TB

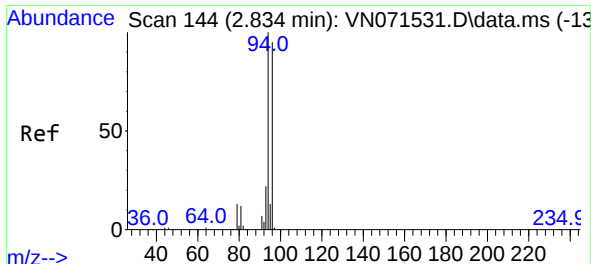
Tgt Ion:168 Resp: 792421
Ion Ratio Lower Upper
168 100
99 52.6 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

Tgt Ion: 50 Resp: 3782
Ion Ratio Lower Upper
50 100
52 14.4 25.7 38.5#

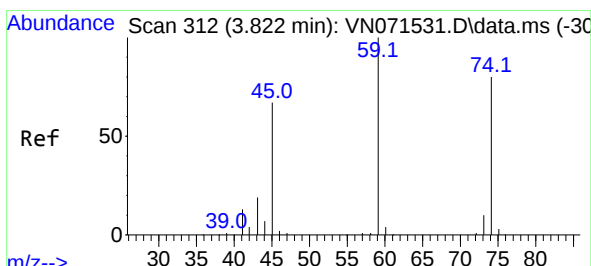
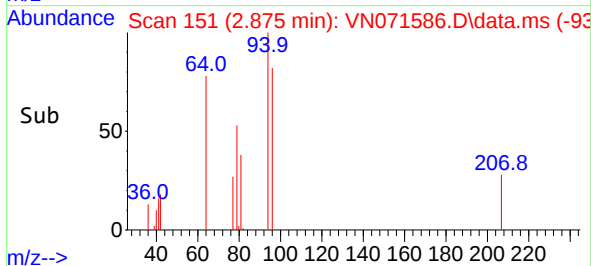
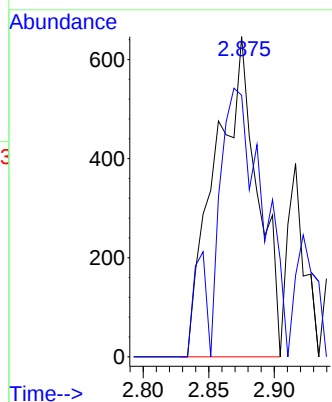
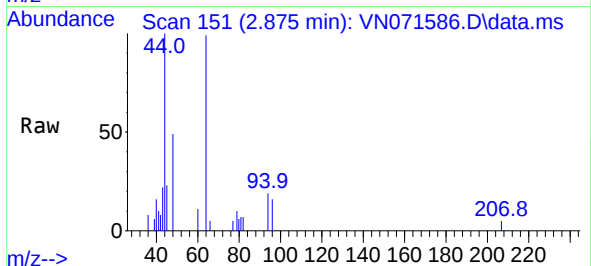




#5
Bromomethane
Concen: 0.247 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

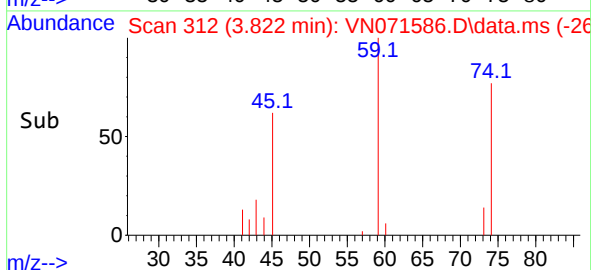
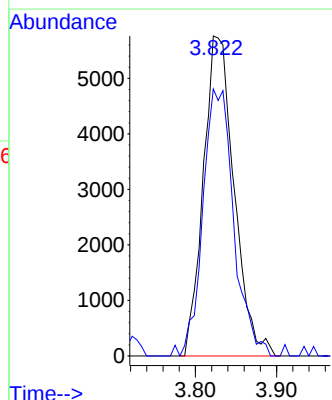
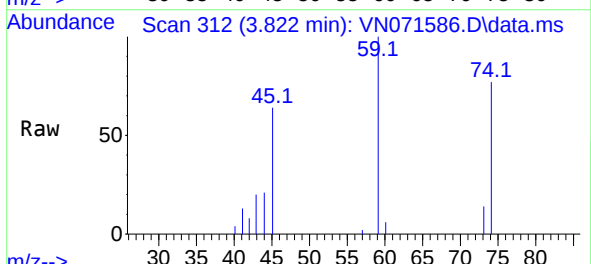
Instrument :
MSVOA_N
ClientSampleId :
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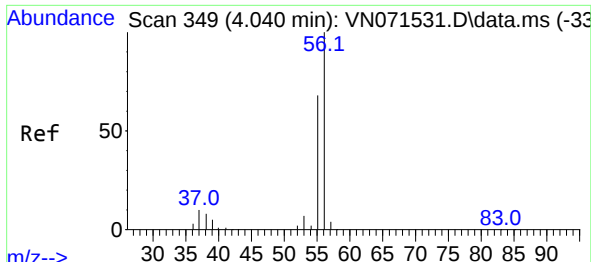
Tgt Ion: 94 Resp: 1452
Ion Ratio Lower Upper
94 100
96 81.7 76.0 114.0



#8
Diethyl Ether
Concen: 2.829 ug/l
RT: 3.822 min Scan# 312
Delta R.T. 0.000 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

Tgt Ion: 74 Resp: 15176
Ion Ratio Lower Upper
74 100
45 83.7 42.9 128.5

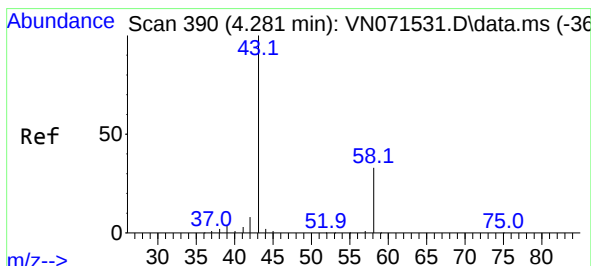
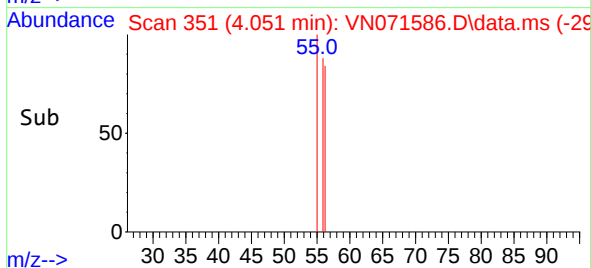
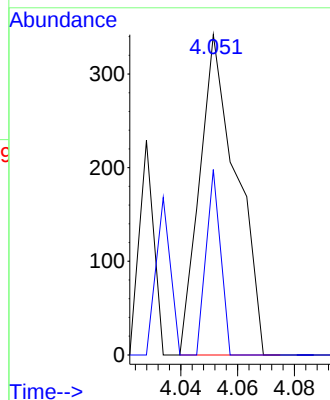
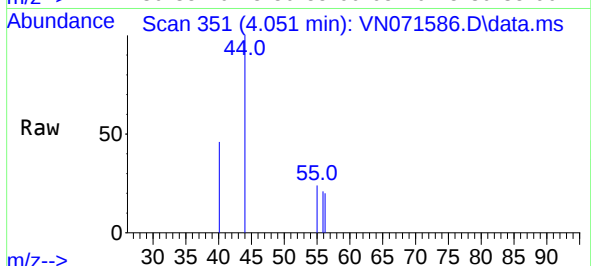




#13
Acrolein
Concen: 0.220 ug/l
RT: 4.051 min Scan# 31
Delta R.T. 0.011 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

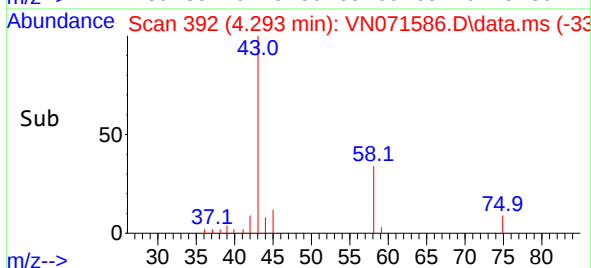
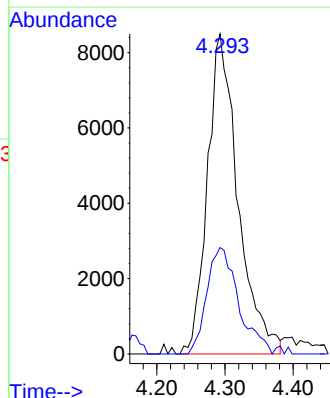
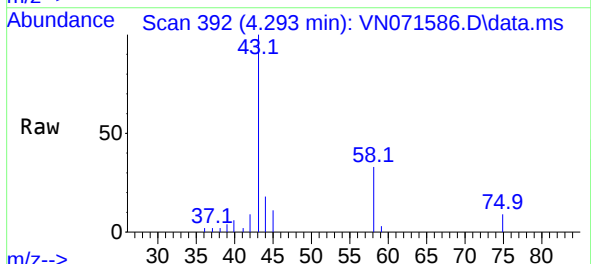
Instrument :
MSVOA_N
ClientSampleId :
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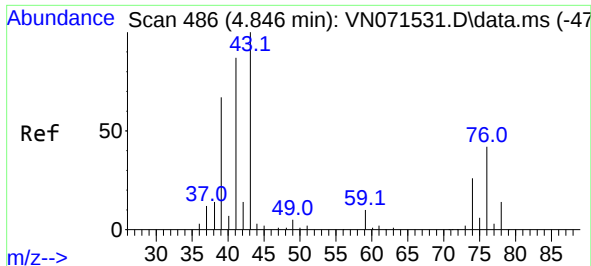
Tgt Ion: 56 Resp: 308
Ion Ratio Lower Upper
56 100
55 22.7 54.8 82.2#



#16
Acetone
Concen: 6.577 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

Tgt Ion: 43 Resp: 26542
Ion Ratio Lower Upper
43 100
58 33.3 26.0 39.0

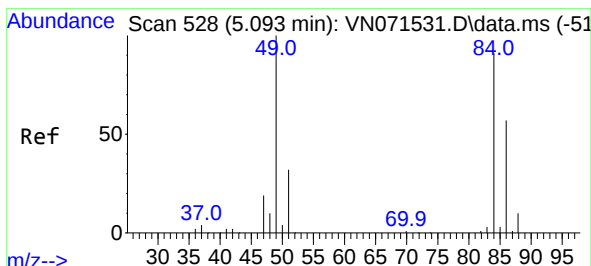
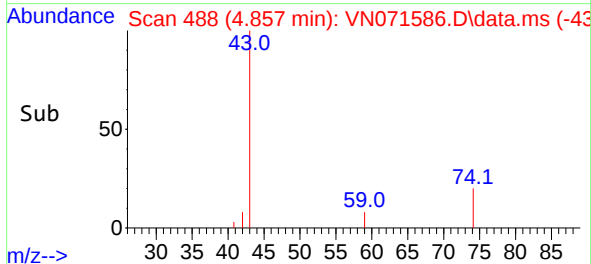
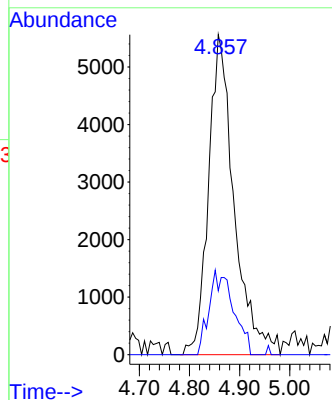
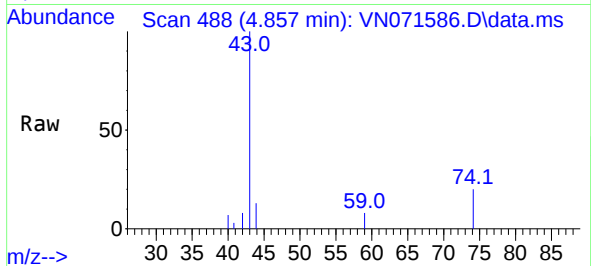




#18
Methyl Acetate
Concen: 0.639 ug/l
RT: 4.857 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

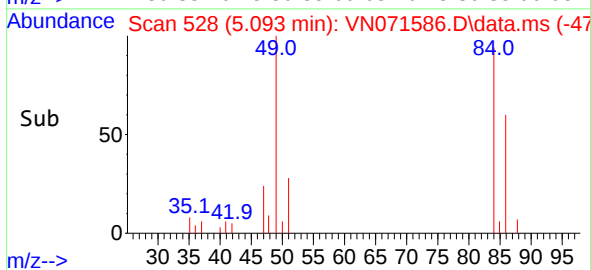
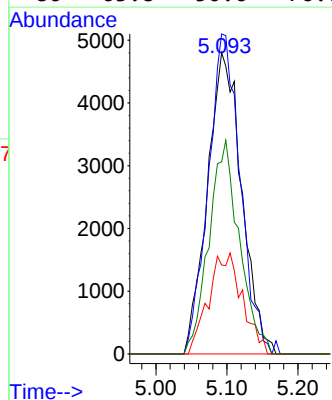
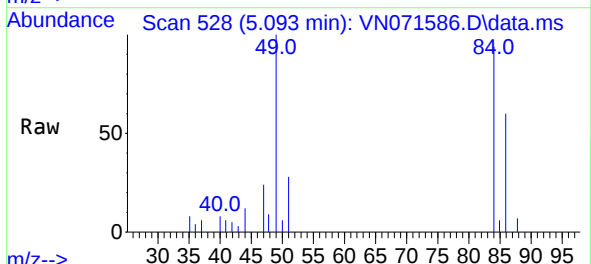
Instrument :
MSVOA_N
ClientSampleId :
PB143555TB

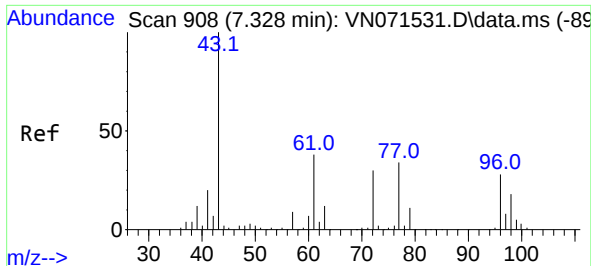
Tgt Ion: 43 Resp: 19748
Ion Ratio Lower Upper
43 100
74 10.4 21.6 32.4#



#20
Methylene Chloride
Concen: 1.709 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

Tgt Ion: 84 Resp: 16074
Ion Ratio Lower Upper
84 100
49 106.2 88.3 132.5
51 29.5 28.2 42.2
86 63.8 50.6 76.0

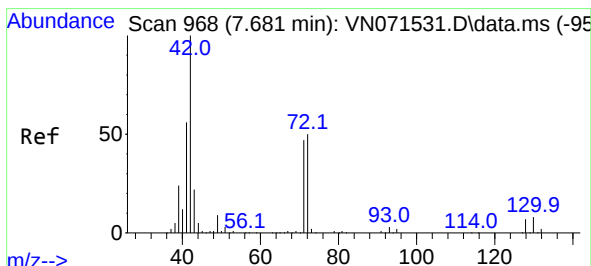
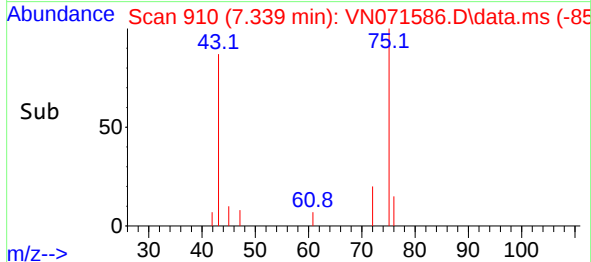
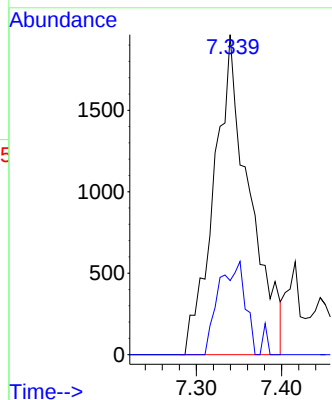
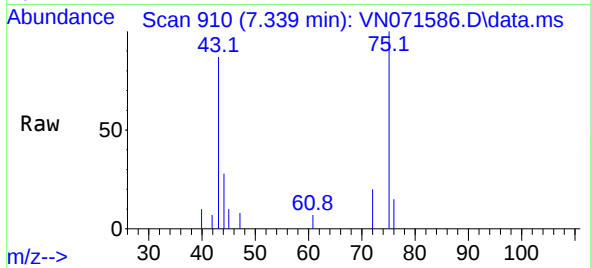




#25
2-Butanone
Concen: 0.877 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

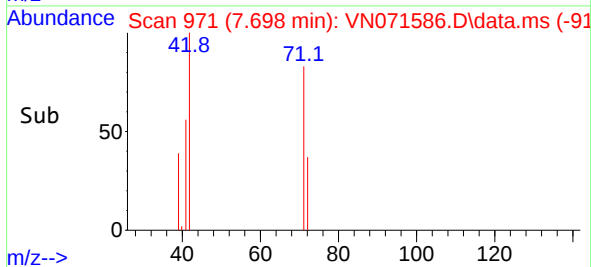
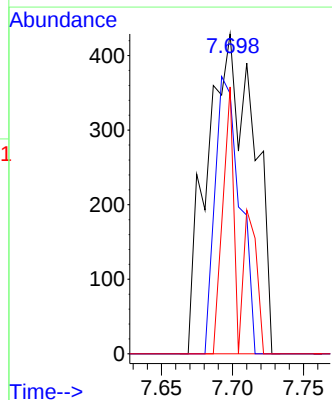
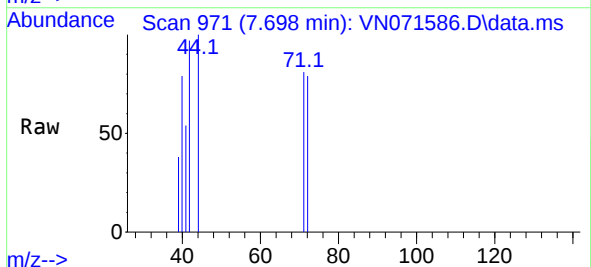
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ClientSampleId :
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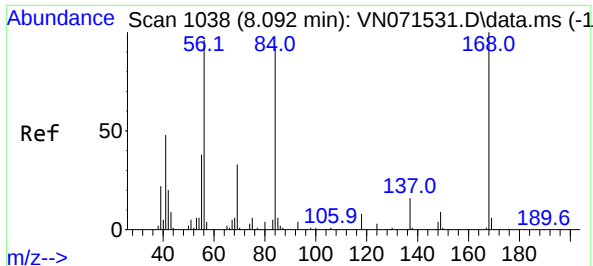
Tgt Ion: 43 Resp: 5675
Ion Ratio Lower Upper
43 100
72 23.2 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.226 ug/l
RT: 7.698 min Scan# 971
Delta R.T. 0.018 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

Tgt Ion: 42 Resp: 975
Ion Ratio Lower Upper
42 100
72 46.7 39.7 59.5
71 31.8 36.6 55.0#





#31

Cyclohexane

Concen: 1.019 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071586.D

Acq: 26 Mar 2022 20:39

Instrument :

MSVOA_N

ClientSampleId :

PB143555TB

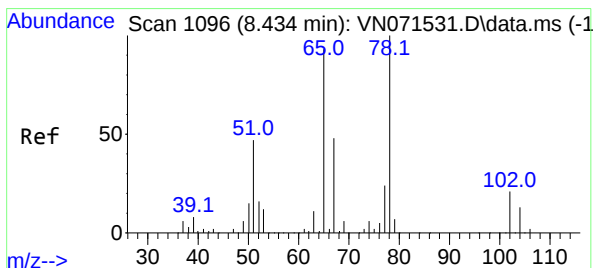
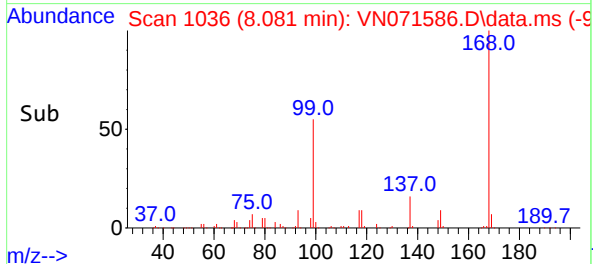
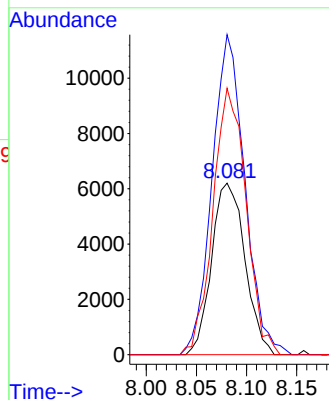
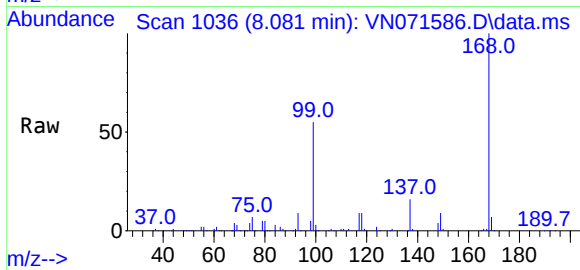
Tgt Ion: 56 Resp: 14359

Ion Ratio Lower Upper

56 100

69 186.6 27.8 41.8#

84 155.3 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 45.876 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071586.D

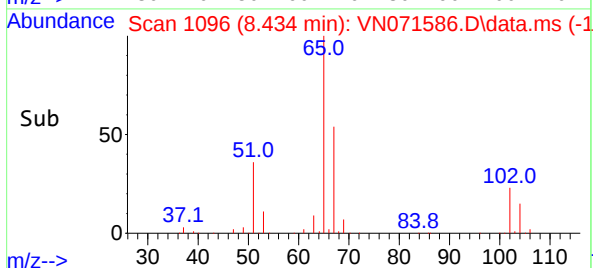
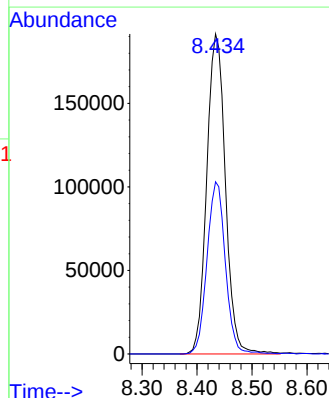
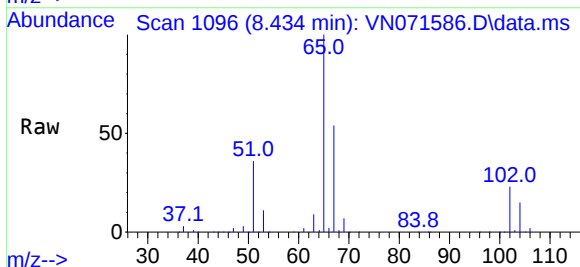
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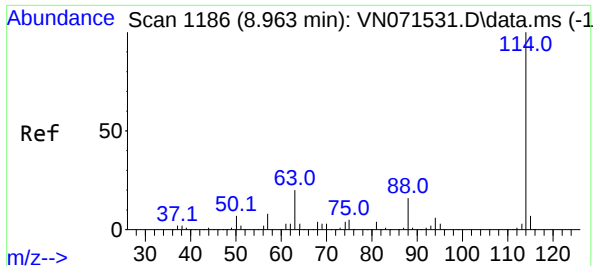
Tgt Ion: 65 Resp: 451647

Ion Ratio Lower Upper

65 100

67 52.9 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: VN071586.D

Acq: 26 Mar 2022 20:39

Instrument :

MSVOA_N

ClientSampleId :

PB143555TB

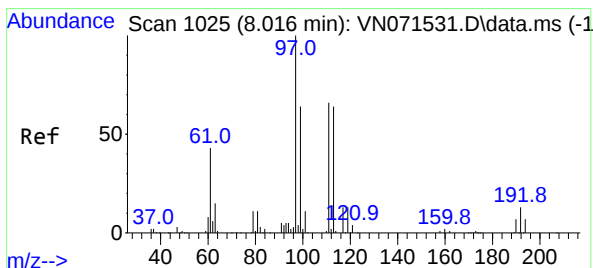
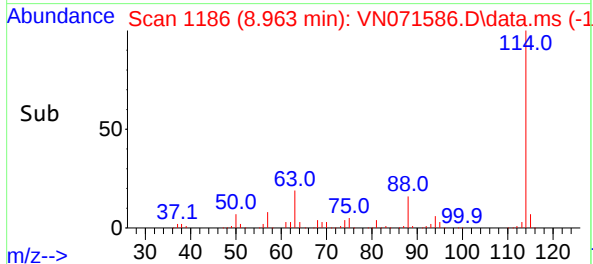
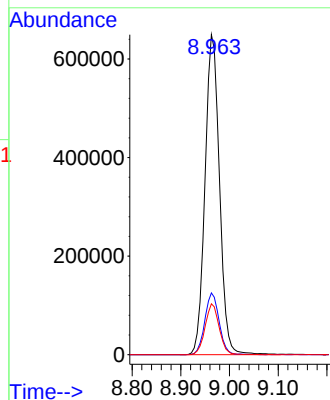
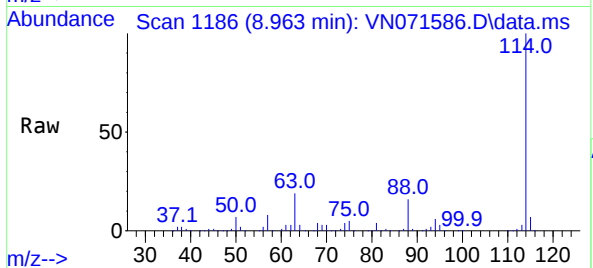
Tgt Ion:114 Resp: 1340659

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 45.301 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071586.D

Acq: 26 Mar 2022 20:39

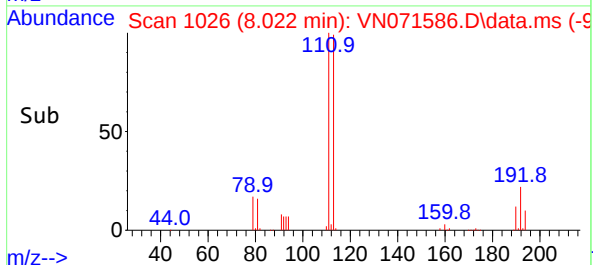
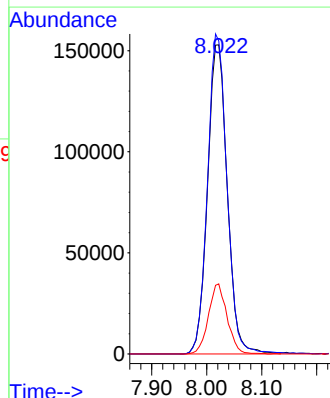
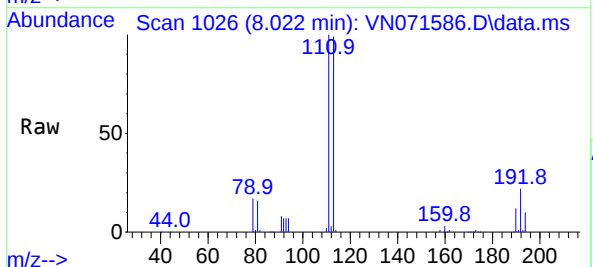
Tgt Ion:113 Resp: 381692

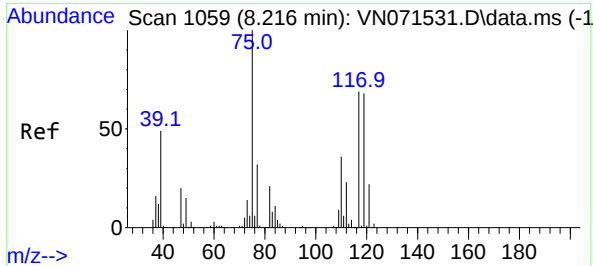
Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

192 21.5 17.0 25.6

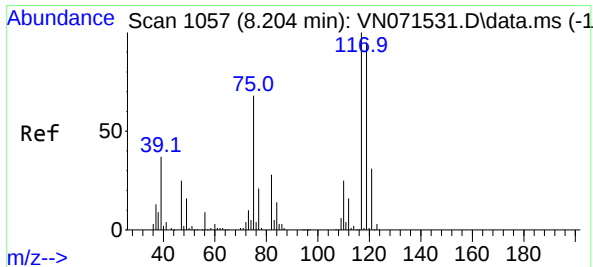
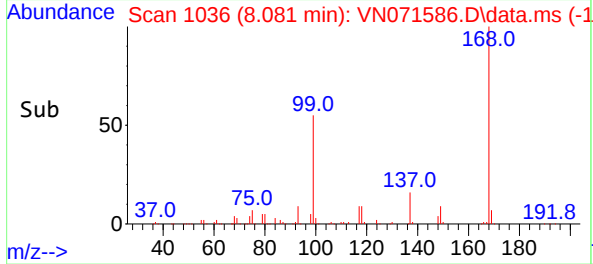
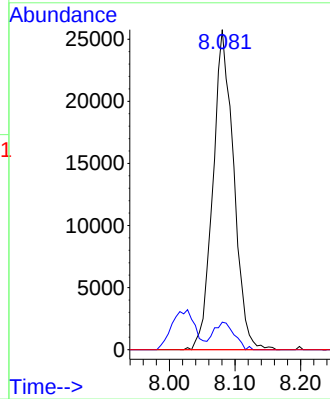
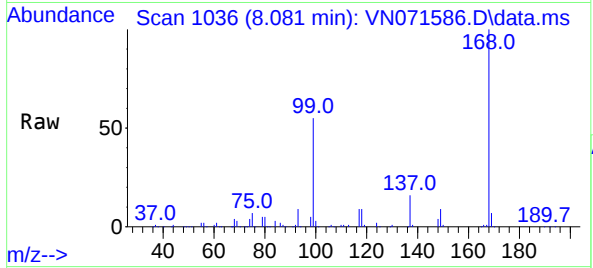




#36
1,1-Dichloropropene
Concen: 4.667 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

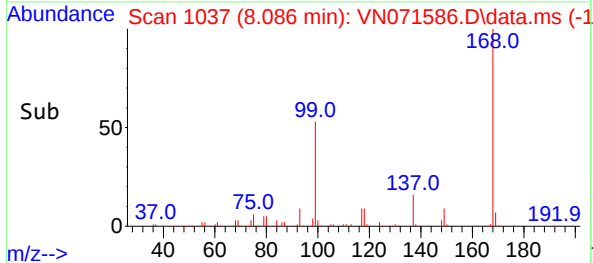
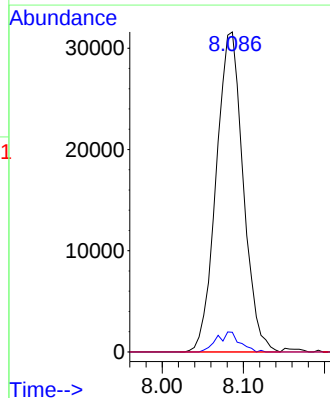
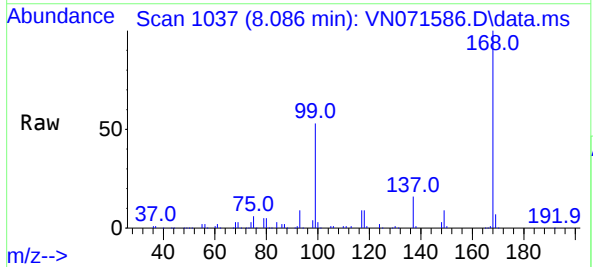
Instrument :
MSVOA_N
ClientSampleId :
PB143555TB

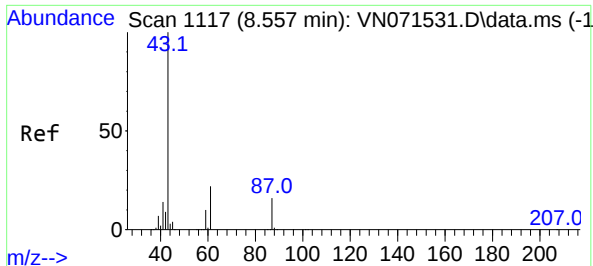
Tgt Ion:	75	Resp:	56690
Ion Ratio	Lower	Upper	
75	100		
110	8.5	18.3	54.8#
77	0.0	25.1	37.7#



#38
Carbon Tetrachloride
Concen: 6.173 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

Tgt Ion:	117	Resp:	73097
Ion Ratio	Lower	Upper	
117	100		
119	6.2	75.8	113.8#
121	0.0	24.6	37.0#

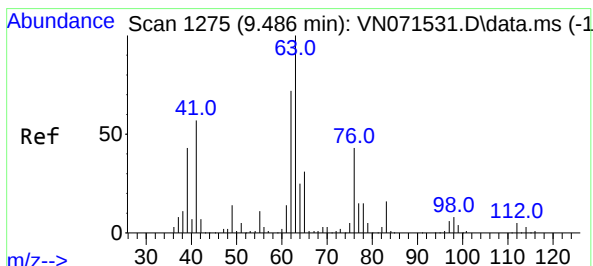
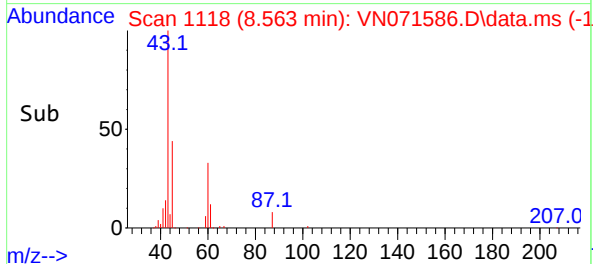
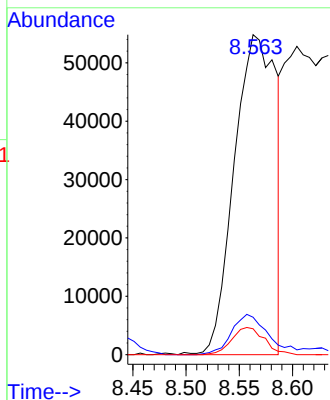
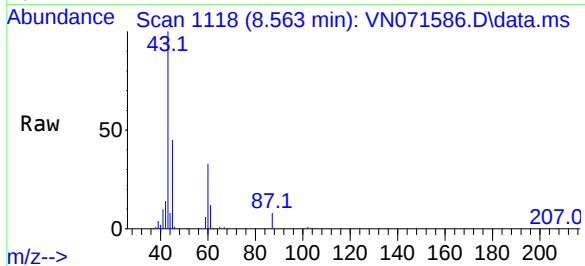




#43
Isopropyl Acetate
Concen: 6.698 ug/l
RT: 8.563 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

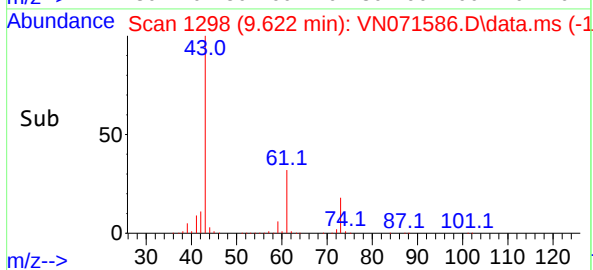
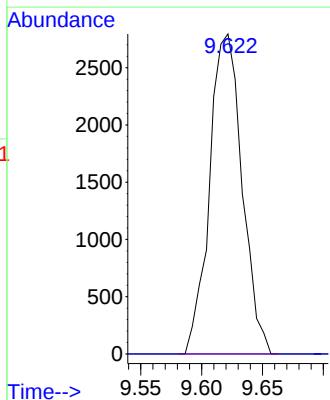
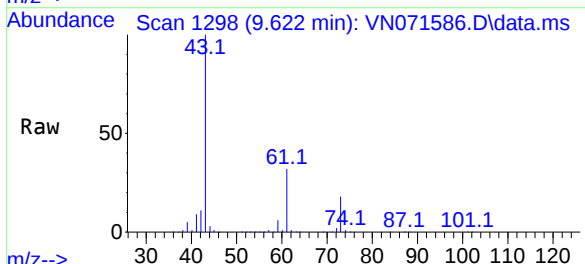
Instrument :
MSVOA_N
ClientSampleId :
PB143555TB

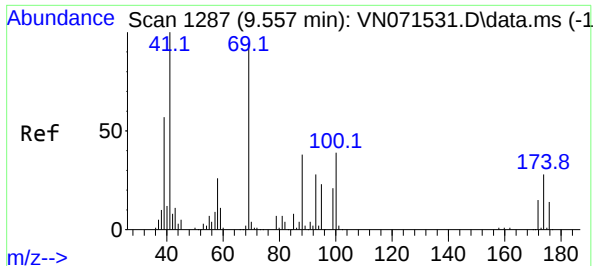
Tgt Ion: 43 Resp: 149243
Ion Ratio Lower Upper
43 100
61 11.5 21.9 32.9#
87 6.7 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.555 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.135 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

Tgt Ion: 63 Resp: 5197
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

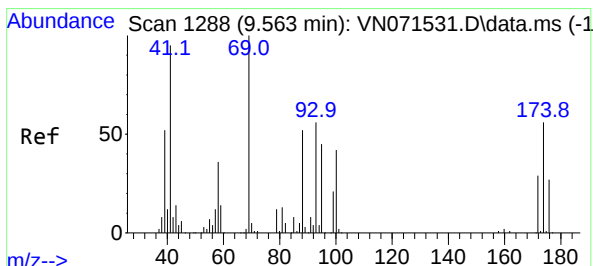
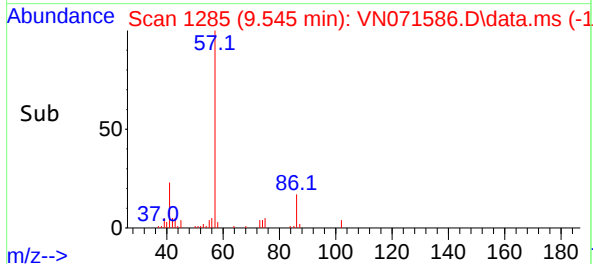
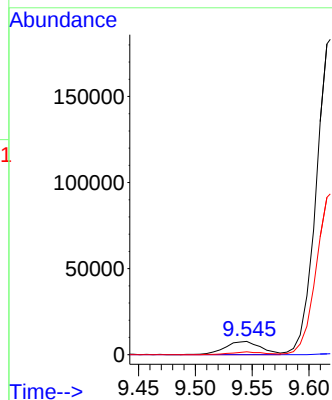
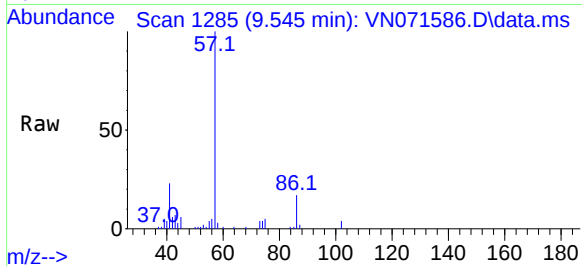




#48
Methyl methacrylate
Concen: 1.788 ug/l
RT: 9.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

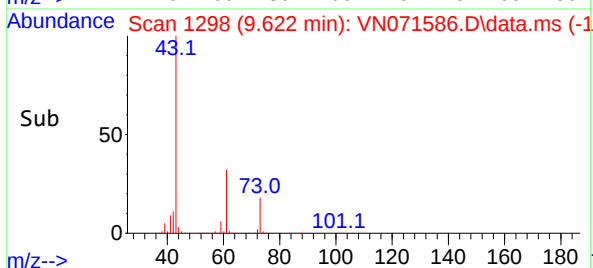
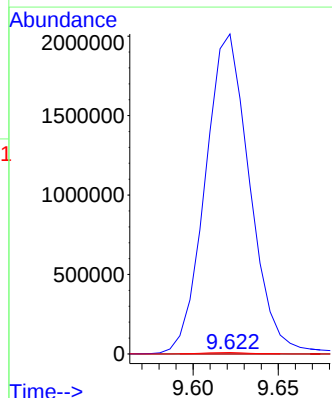
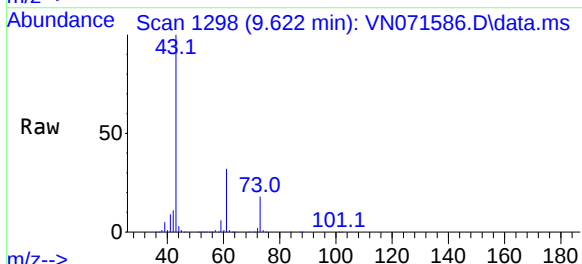
Instrument :
MSVOA_N
ClientSampleId :
PB143555TB

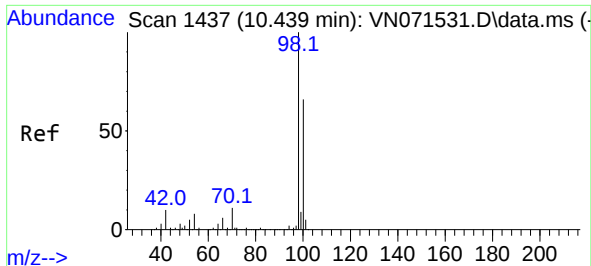
Tgt Ion: 41 Resp: 17093
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 3.019 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

Tgt Ion: 88 Resp: 666
Ion Ratio Lower Upper
88 100
43 555235.4 20.2 30.4#
58 2589.0 54.2 81.4#

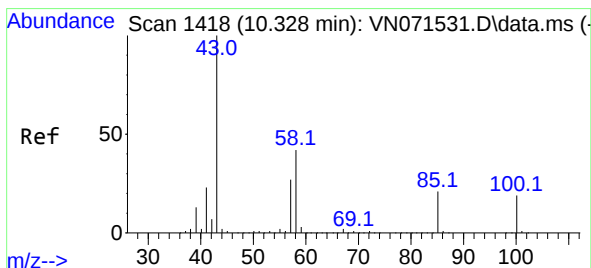
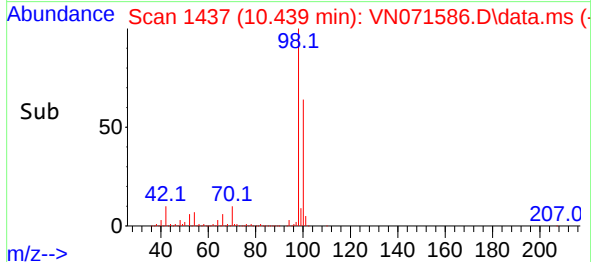
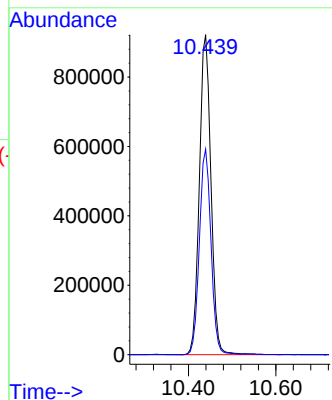
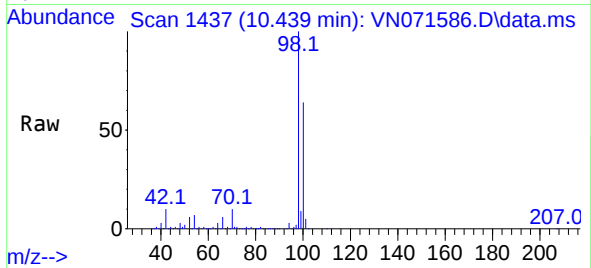




#50
Toluene-d8
Concen: 50.146 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

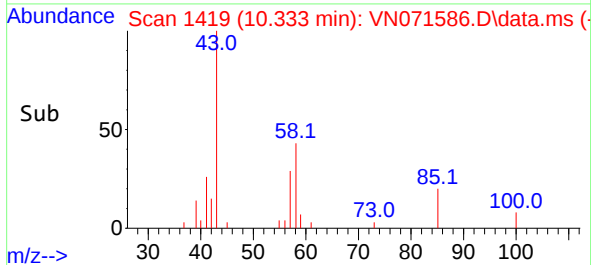
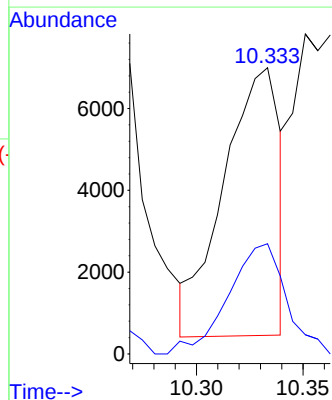
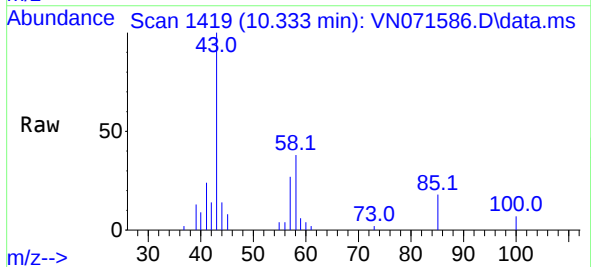
Instrument :
MSVOA_N
ClientSampleId :
PB143555TB

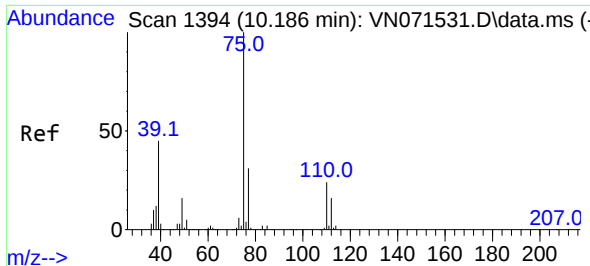
Tgt Ion: 98 Resp: 1704205
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.909 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.006 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

Tgt Ion: 43 Resp: 12048
Ion Ratio Lower Upper
43 100
58 42.1 34.1 51.1

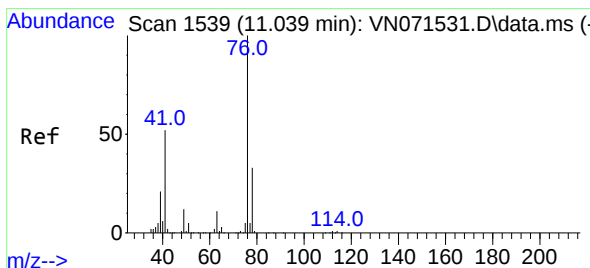
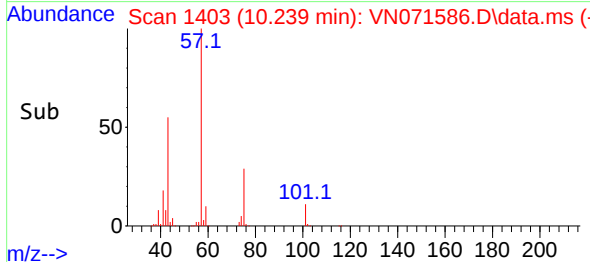
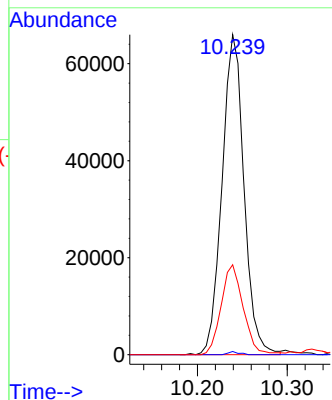
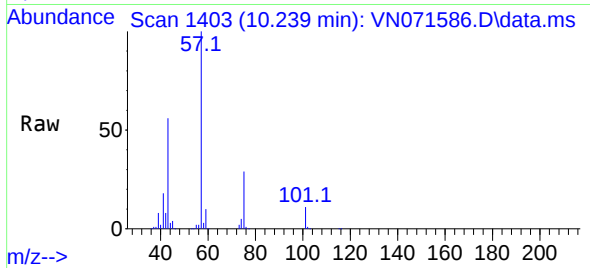




#54
 cis-1,3-Dichloropropene
 Concen: 7.560 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN071586.D
 Acq: 26 Mar 2022 20:39

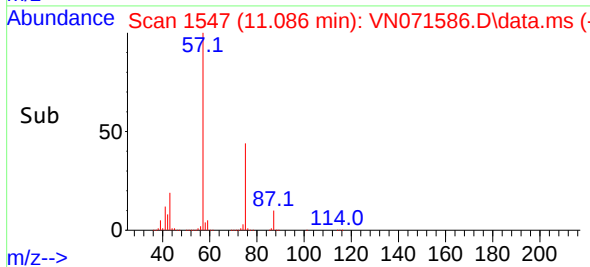
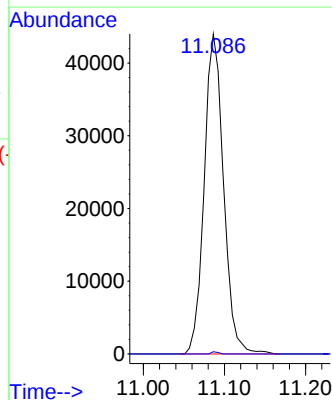
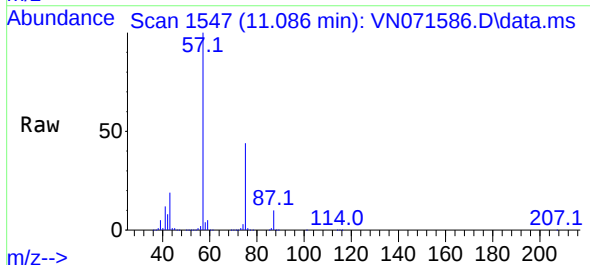
Instrument :
 MSVOA_N
 ClientSampleId :
 PB143555TB

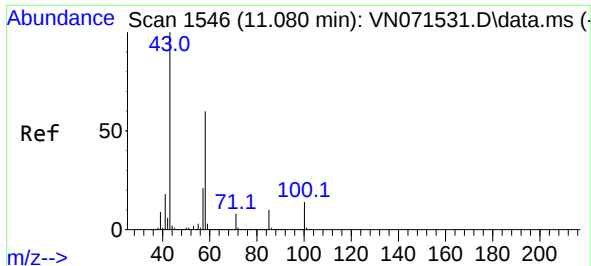
Tgt Ion: 75 Resp: 112015
 Ion Ratio Lower Upper
 75 100
 77 1.0 25.2 37.8#
 39 28.1 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 4.505 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071586.D
 Acq: 26 Mar 2022 20:39

Tgt Ion: 76 Resp: 72735
 Ion Ratio Lower Upper
 76 100
 78 0.2 26.2 39.2#

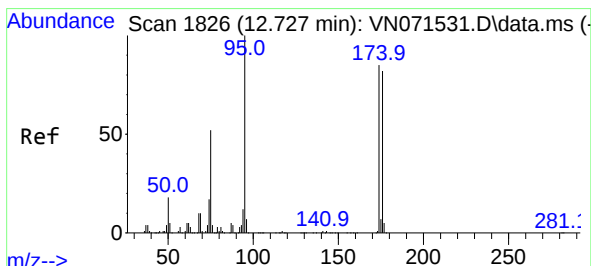
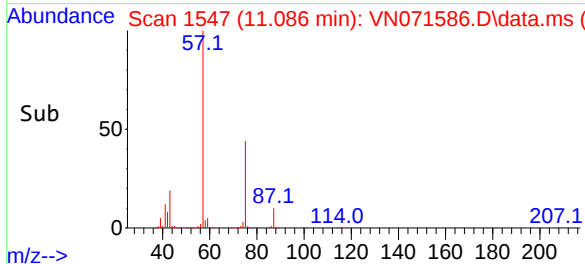
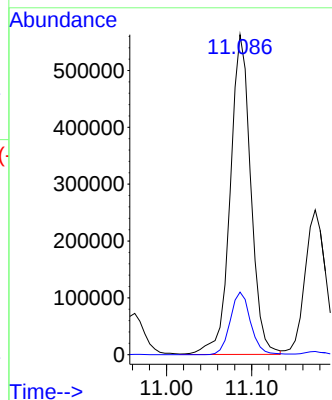
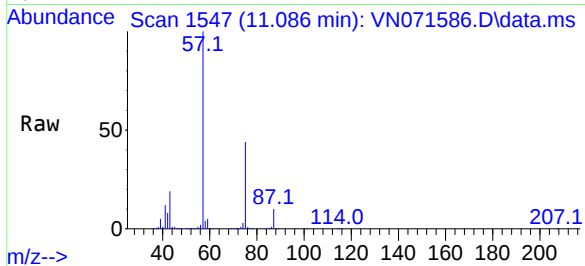




#59
2-Hexanone
Concen: 98.669 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.006 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

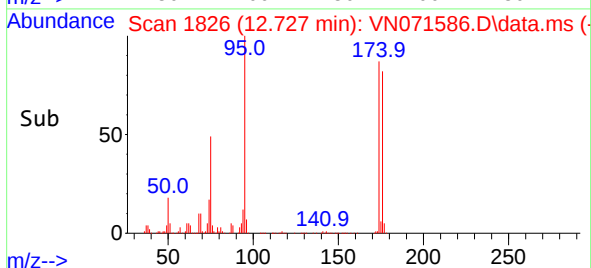
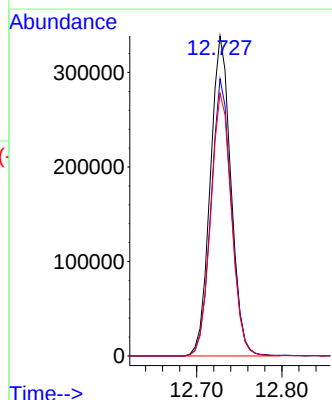
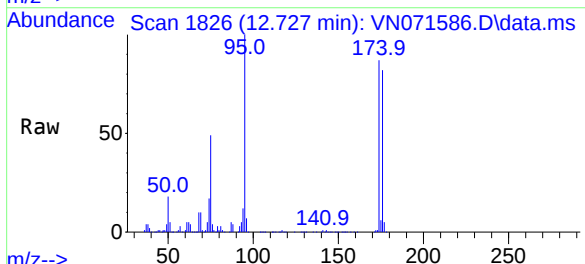
Instrument :
MSVOA_N
ClientSampleId :
PB143555TB

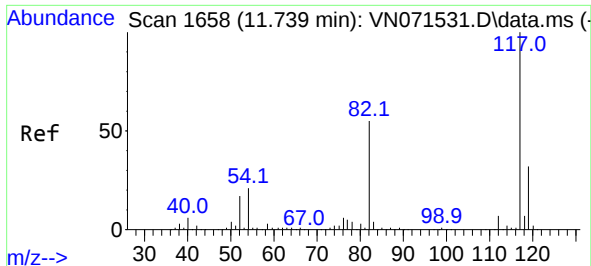
Tgt Ion: 43 Resp: 942965
Ion Ratio Lower Upper
43 100
58 19.3 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 51.072 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

Tgt Ion: 95 Resp: 568719
Ion Ratio Lower Upper
95 100
174 85.8 0.0 167.6
176 82.5 0.0 163.4

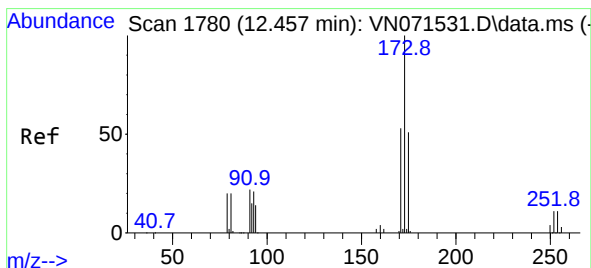
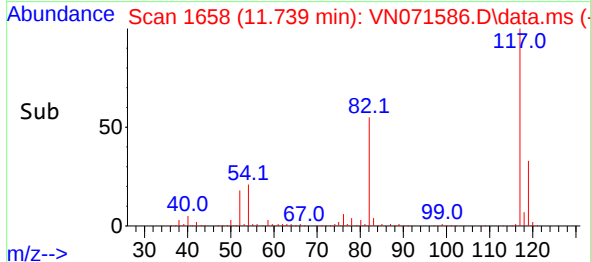
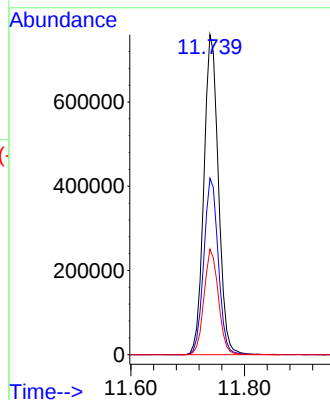
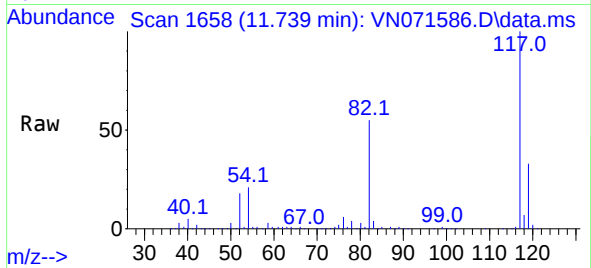




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

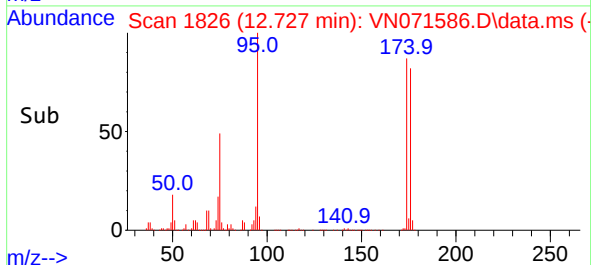
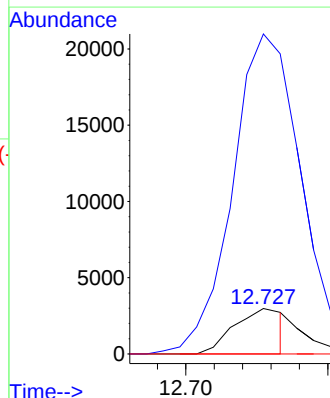
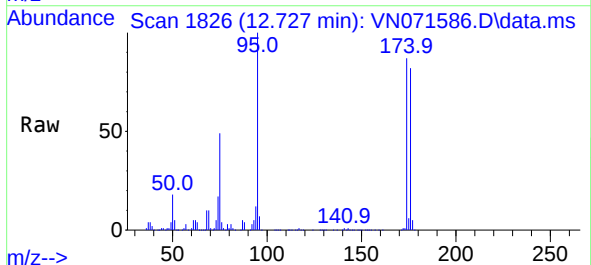
Instrument :
MSVOA_N
ClientSampleId :
PB143555TB

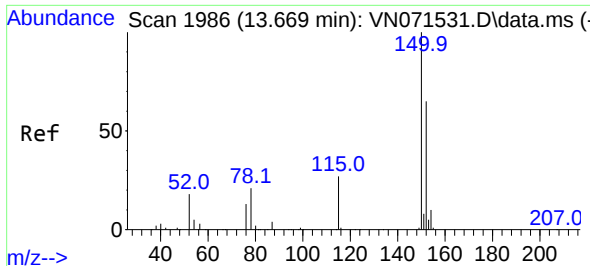
Tgt Ion:117 Resp: 1347792
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 33.0 25.4 38.0



#71
Bromoform
Concen: 0.453 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

Tgt Ion:173 Resp: 3603
Ion Ratio Lower Upper
173 100
175 736.8 24.6 73.6#
254 0.0 0.1 0.1#

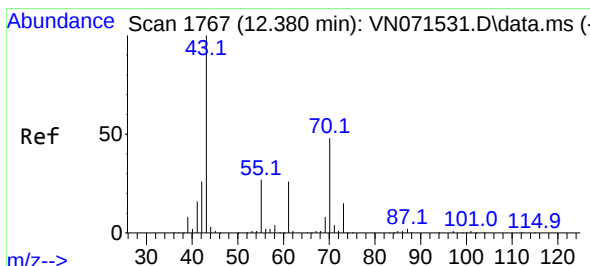
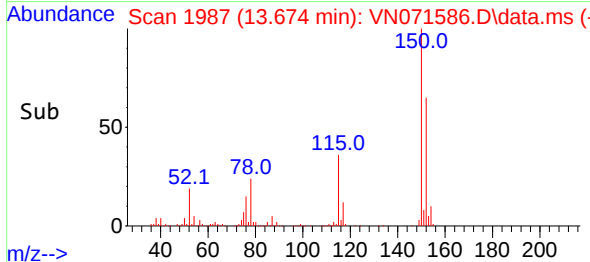
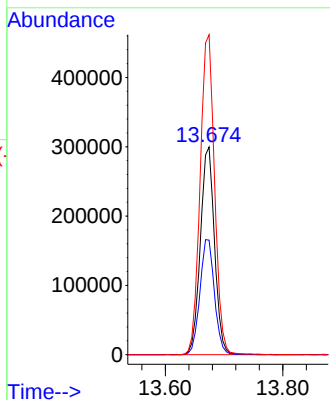
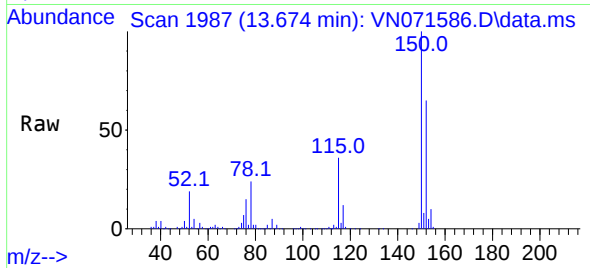




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

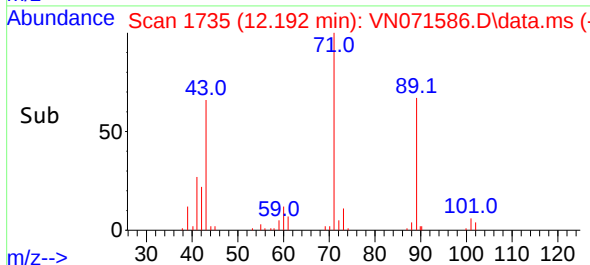
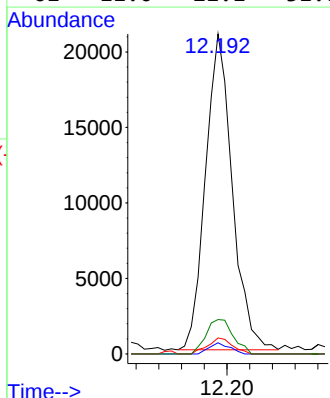
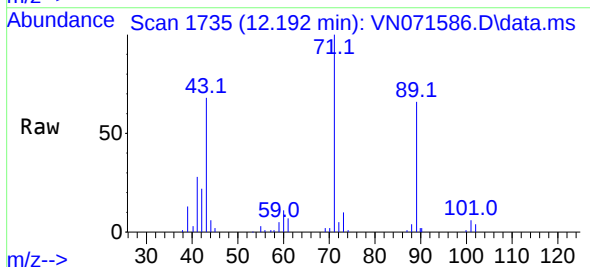
Instrument :
MSVOA_N
ClientSampleId :
PB143555TB

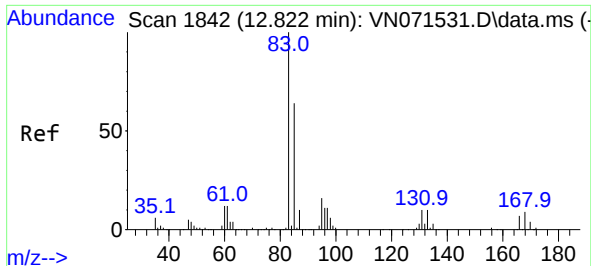
Tgt Ion:152 Resp: 501850
Ion Ratio Lower Upper
152 100
115 56.8 28.9 86.7
150 156.8 0.0 356.2



#74
N-ethyl acetate
Concen: 2.410 ug/l
RT: 12.192 min Scan# 1735
Delta R.T. -0.188 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

Tgt Ion: 43 Resp: 34273
Ion Ratio Lower Upper
43 100
70 2.7 39.0 58.4#
55 4.6 21.1 31.7#
61 11.0 21.1 31.7#

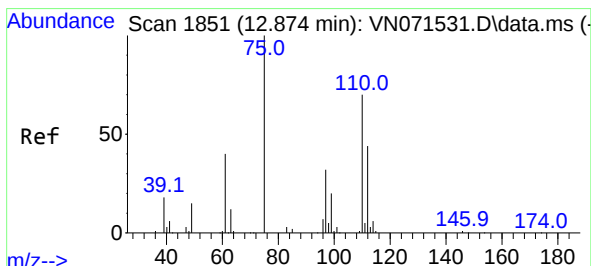
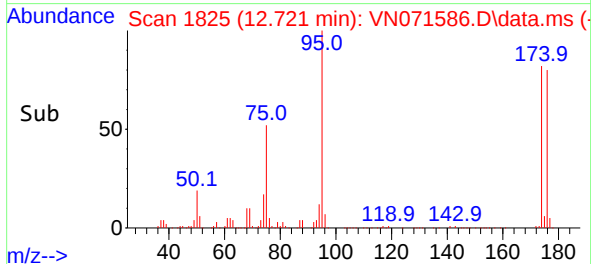
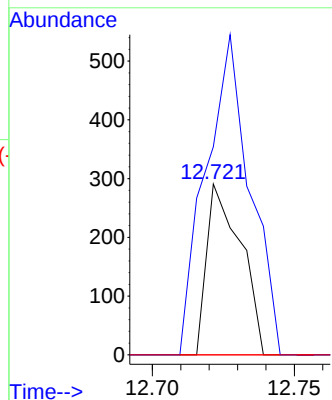
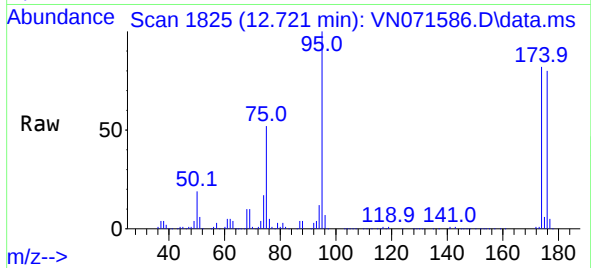




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.721 min Scan# 1825
Delta R.T. -0.101 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

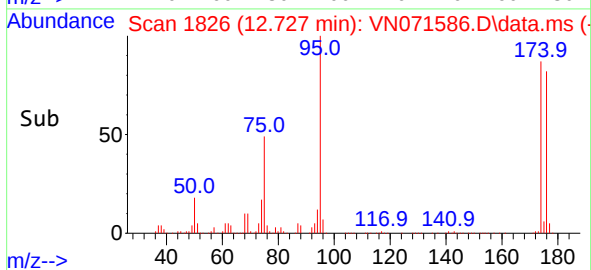
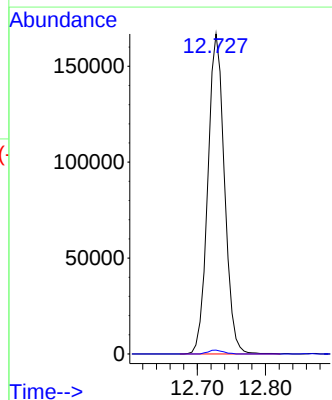
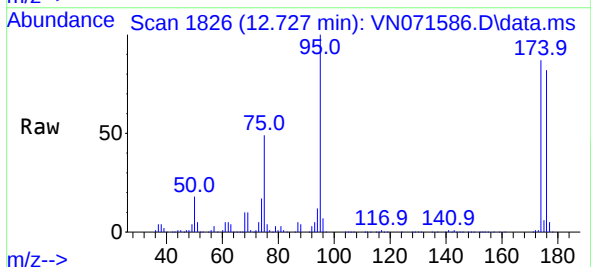
Instrument :
MSVOA_N
ClientSampleId :
PB143555TB

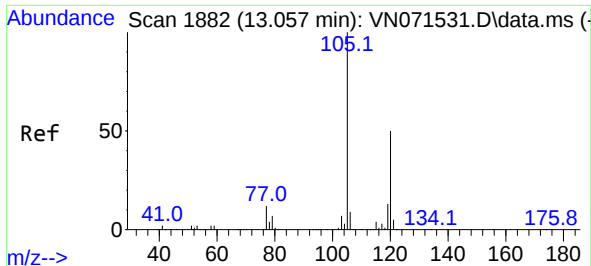
Tgt Ion: 83 Resp: 242
Ion Ratio Lower Upper
83 100
131 243.8 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 25.314 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

Tgt Ion: 75 Resp: 283278
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#

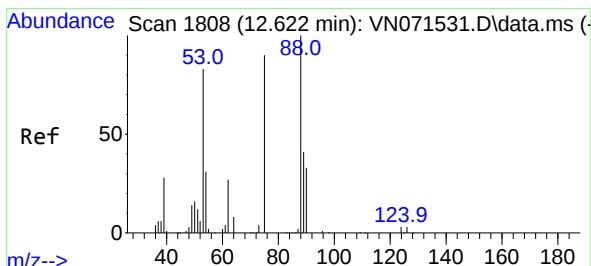
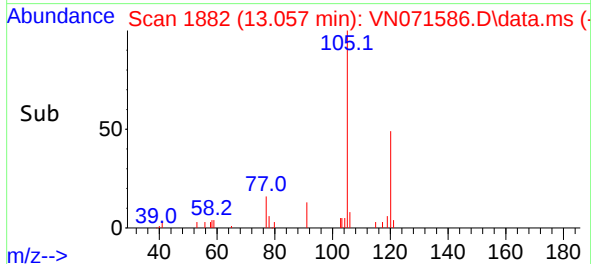
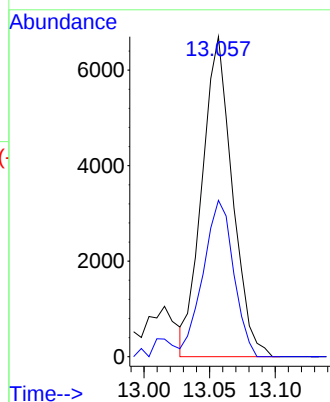
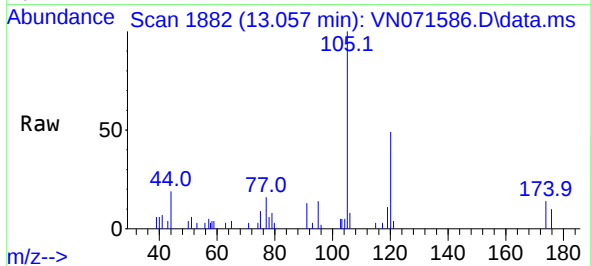




#80
1,3,5-Trimethylbenzene
Concen: 0.308 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

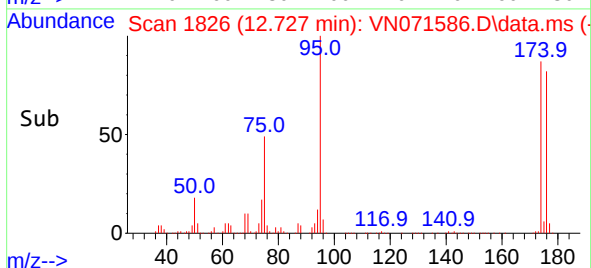
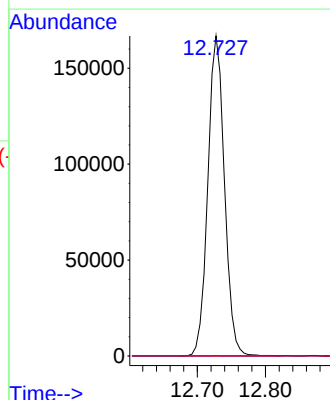
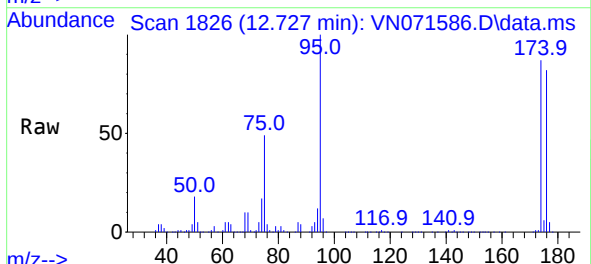
Instrument :
MSVOA_N
ClientSampleId :
PB143555TB

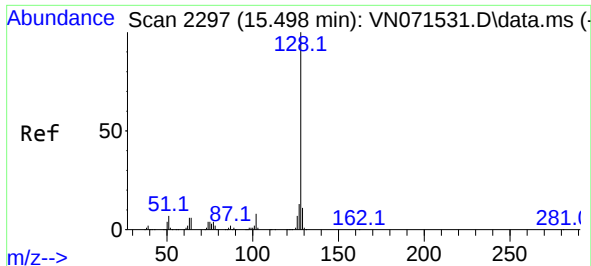
Tgt Ion:105 Resp: 10755
Ion Ratio Lower Upper
105 100
120 49.1 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 67.772 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071586.D
Acq: 26 Mar 2022 20:39

Tgt Ion: 75 Resp: 283278
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 3.414 ug/l

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN071586.D

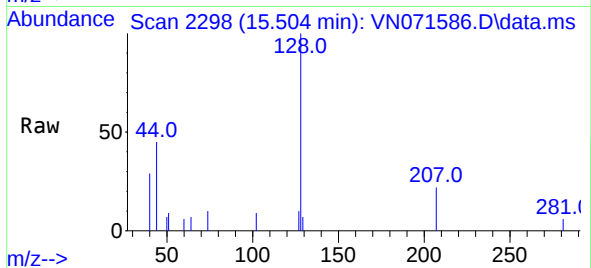
Acq: 26 Mar 2022 20:39

Instrument :

MSVOA_N

ClientSampleId :

PB143555TB



Tgt Ion:	128	Resp:	5439
Ion	Ratio	Lower	Upper
128	100		
127	9.9	10.3	15.5#
129	7.3	8.6	13.0#

