

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071585.D
 Acq On : 26 Mar 2022 20:15
 Operator : JC\MD
 Sample : PB143590ZHE#13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143590ZHE#13

Quant Time: Mar 28 02:21:05 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)

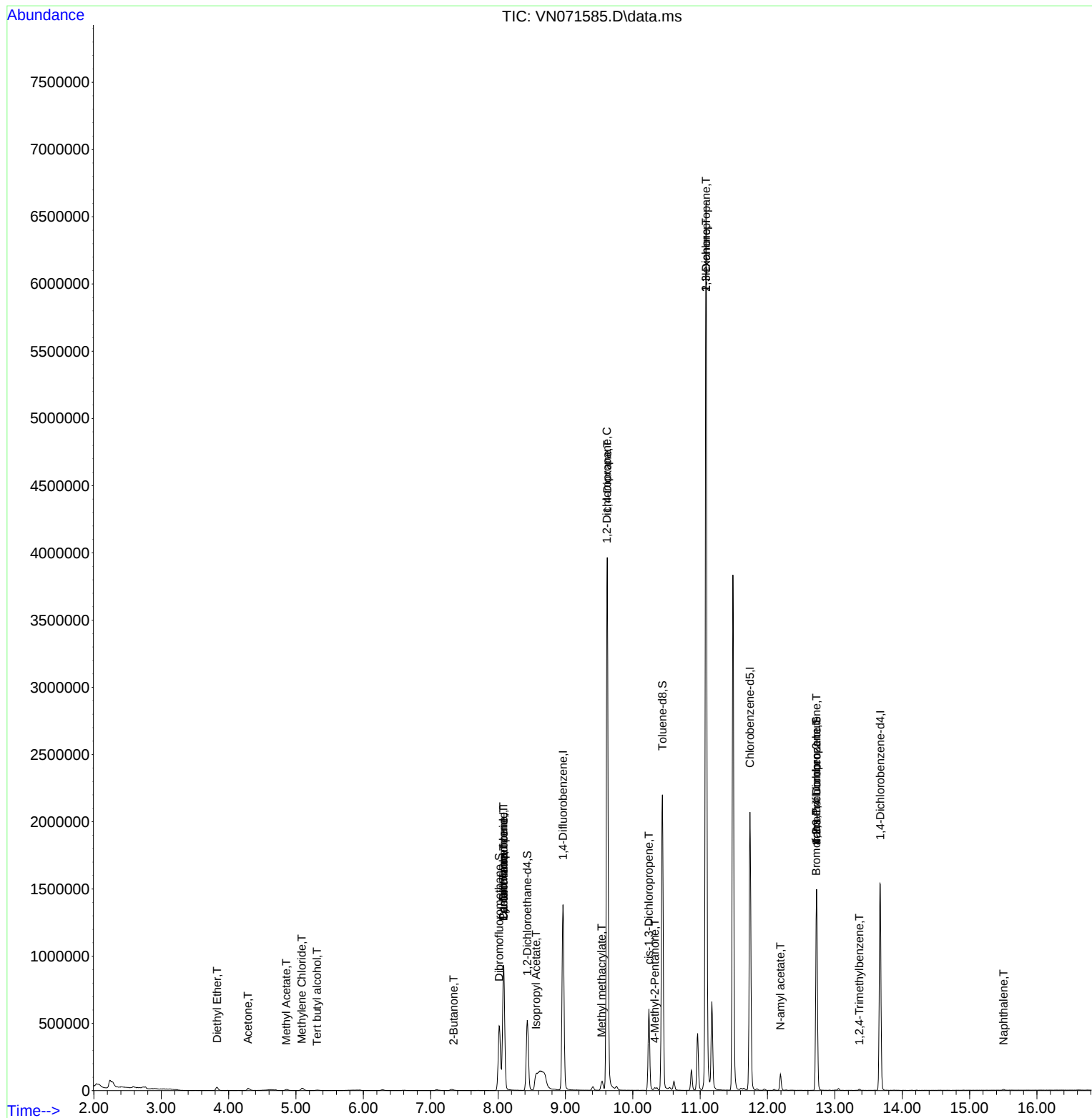
Internal Standards						
1) Pentafluorobenzene	8.081	168	762795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1270953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1265082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	456041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	436201	46.028	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.060%		
35) Dibromofluoromethane	8.016	113	357055	44.701	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	89.400%		
50) Toluene-d8	10.439	98	1591280	49.391	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.780%		
62) 4-Bromofluorobenzene	12.727	95	524709	49.704	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.400%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3847	Below Cal	#	75
8) Diethyl Ether	3.828	74	14580	2.823	ug/l	89
11) Tert butyl alcohol	5.310	59	4060	2.299	ug/l #	72
16) Acetone	4.287	43	25847	6.654	ug/l	94
18) Methyl Acetate	4.857	43	16600	0.397	ug/l	98
20) Methylene Chloride	5.087	84	14382	1.589	ug/l #	94
25) 2-Butanone	7.339	43	5575	0.895	ug/l #	84
31) Cyclohexane	8.081	56	13981	1.031	ug/l #	10
36) 1,1-Dichloropropene	8.081	75	52897	4.593	ug/l #	49
38) Carbon Tetrachloride	8.081	117	70278	6.260	ug/l #	17
43) Isopropyl Acetate	8.563	43	138681	6.557	ug/l #	74
45) 1,2-Dichloropropane	9.616	63	5287	0.595	ug/l #	44
48) Methyl methacrylate	9.539	41	17377	1.917	ug/l #	11
49) 1,4-Dioxane	9.622	88	693	3.314	ug/l #	1
51) 4-Methyl-2-Pentanone	10.327	43	11994	0.954	ug/l	98
54) cis-1,3-Dichloropropene	10.239	75	115912	8.252	ug/l #	62
57) 1,3-Dichloropropane	11.086	76	75532	4.935	ug/l #	42
59) 2-Hexanone	11.086	43	962050	106.187	ug/l #	47
71) Bromoform	12.721	173	1906	0.255	ug/l #	1
74) N-amyl acetate	12.192	43	36282	2.807	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.727	83	280	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	261170	25.683	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	261170	68.760	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.363	105	6646	0.217	ug/l	88
95) Naphthalene	15.504	128	7103	3.501	ug/l	95

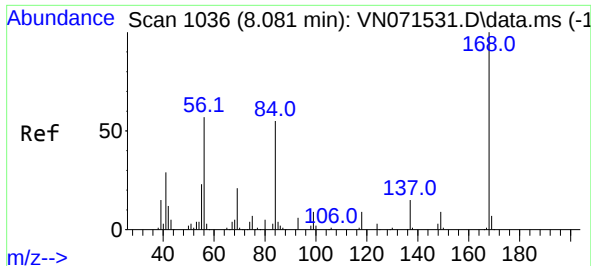
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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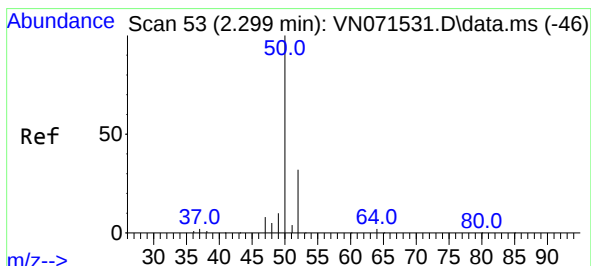
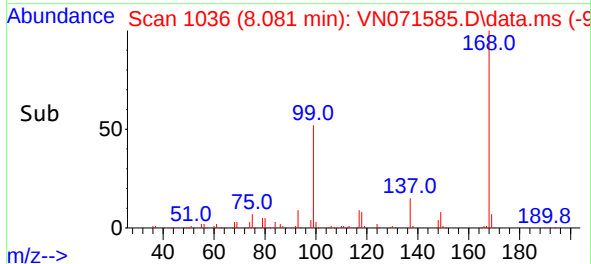
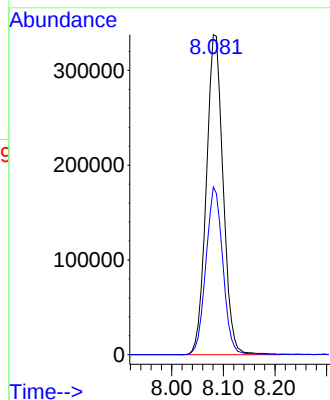
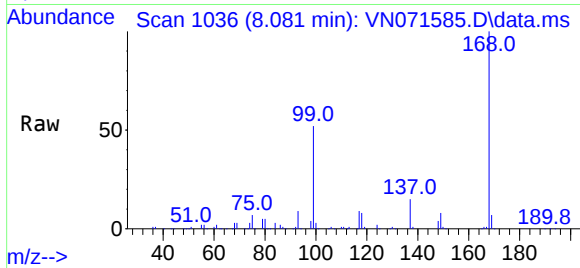




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

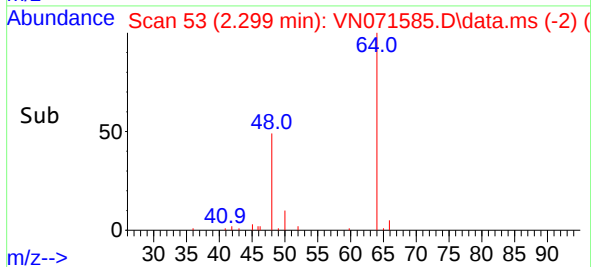
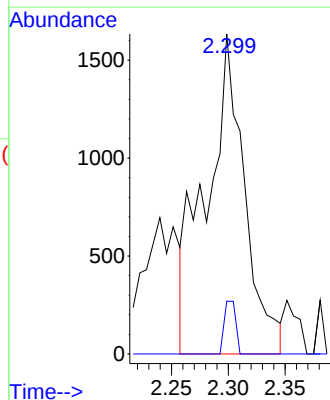
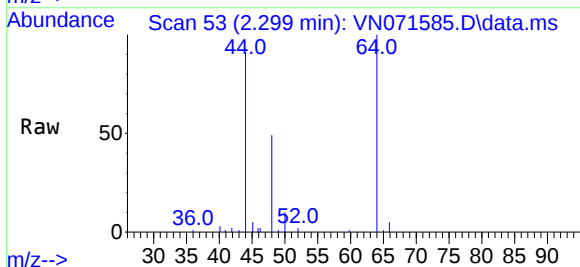
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#13

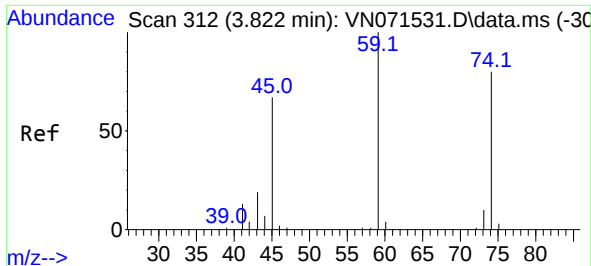
Tgt Ion:168 Resp: 762795
Ion Ratio Lower Upper
168 100
99 52.4 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

Tgt Ion: 50 Resp: 3847
Ion Ratio Lower Upper
50 100
52 18.3 25.7 38.5#

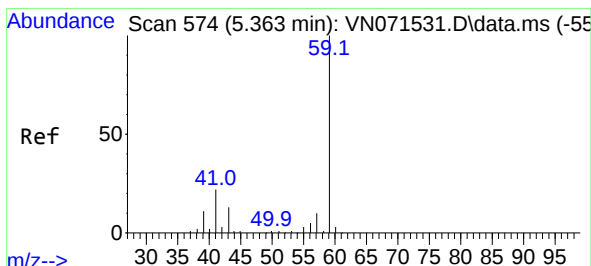
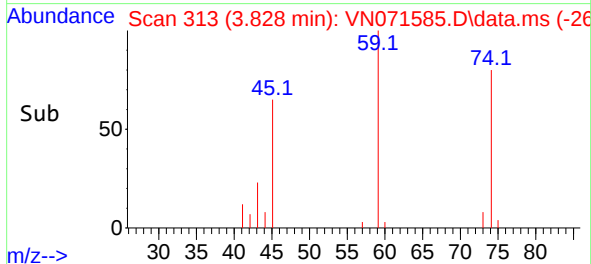
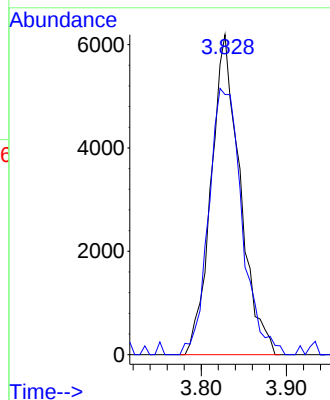
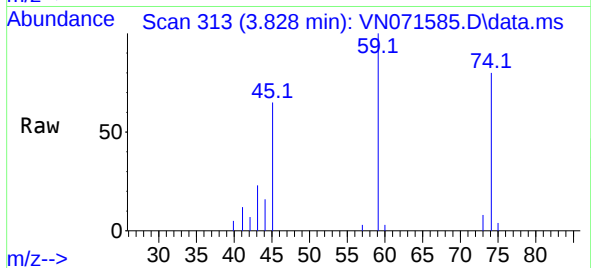




#8
Diethyl Ether
Concen: 2.823 ug/l
RT: 3.828 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

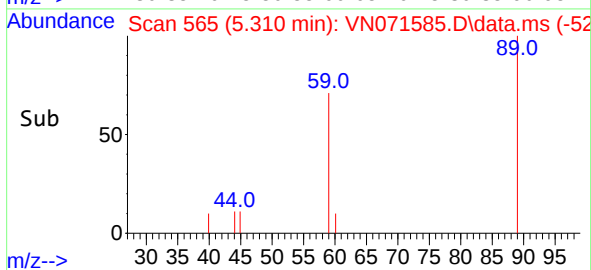
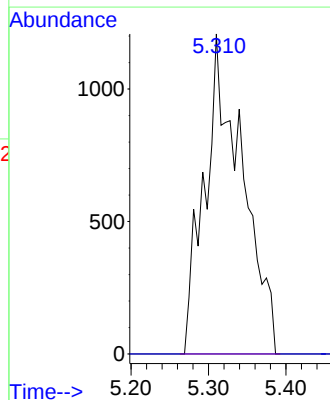
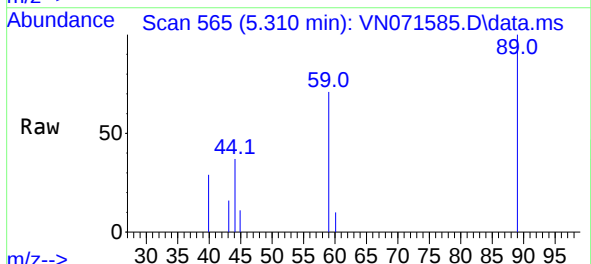
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#13

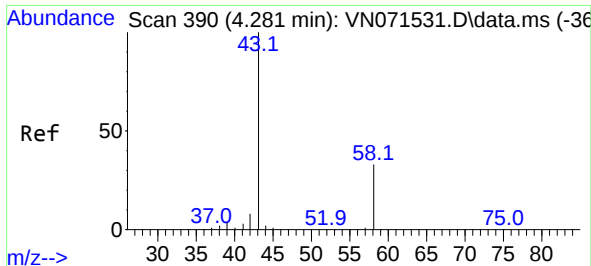
Tgt Ion: 74 Resp: 14580
Ion Ratio Lower Upper
74 100
45 95.7 42.9 128.5



#11
Tert butyl alcohol
Concen: 2.299 ug/l
RT: 5.310 min Scan# 565
Delta R.T. -0.053 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

Tgt Ion: 59 Resp: 4060
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

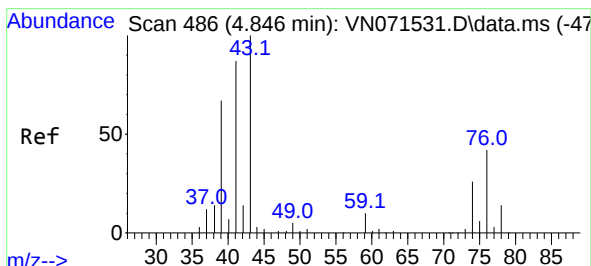
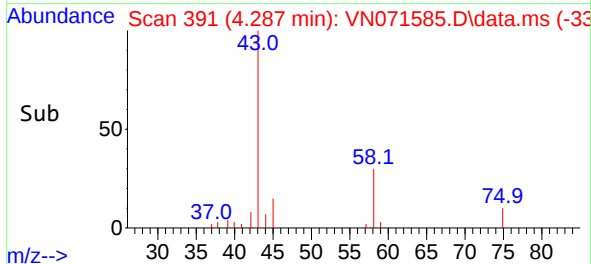
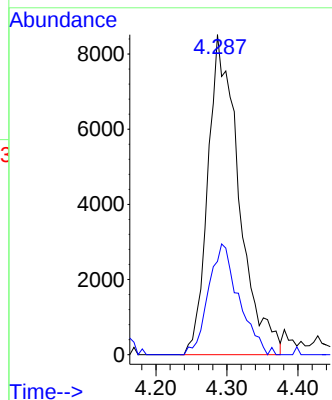
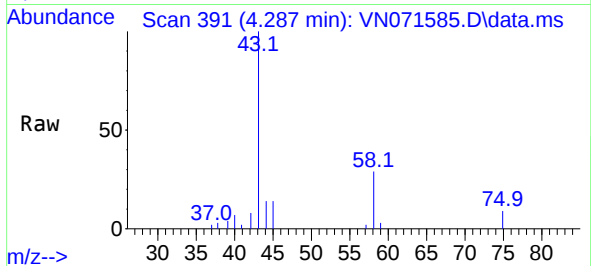




#16
Acetone
Concen: 6.654 ug/l
RT: 4.287 min Scan# 390
Delta R.T. 0.006 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

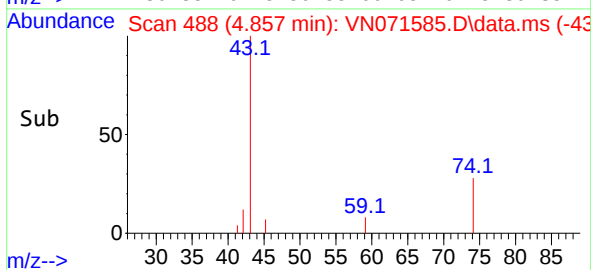
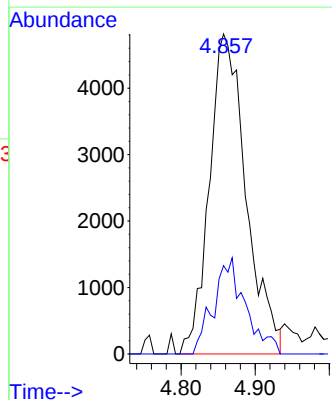
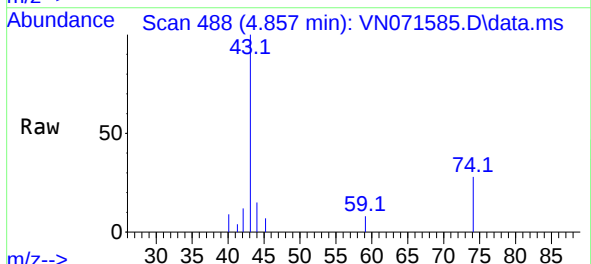
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#13

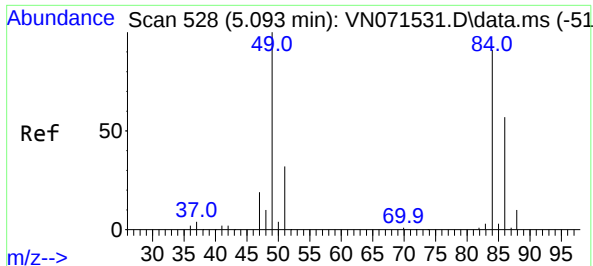
Tgt Ion: 43 Resp: 25847
Ion Ratio Lower Upper
43 100
58 29.1 26.0 39.0



#18
Methyl Acetate
Concen: 0.397 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.011 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

Tgt Ion: 43 Resp: 16600
Ion Ratio Lower Upper
43 100
74 25.9 21.6 32.4

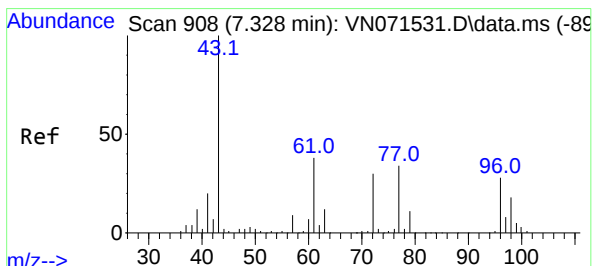
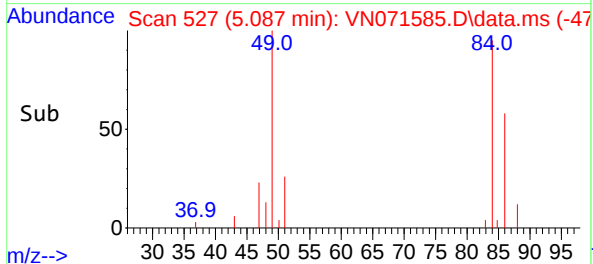
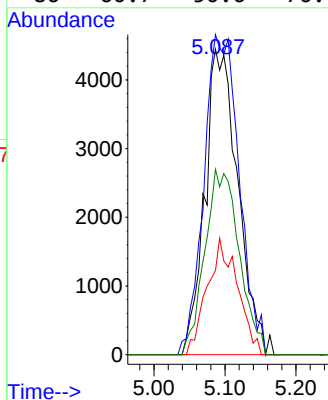
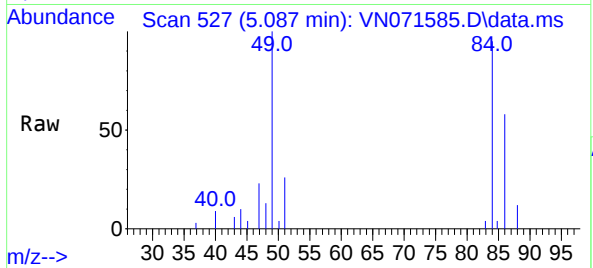




#20
Methylene Chloride
Concen: 1.589 ug/l
RT: 5.087 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

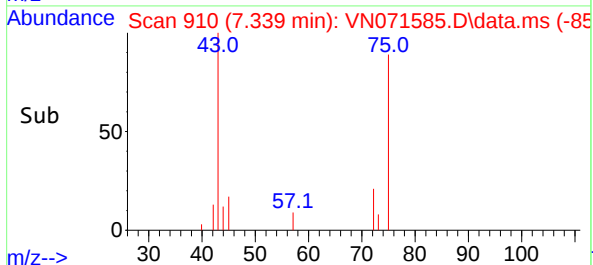
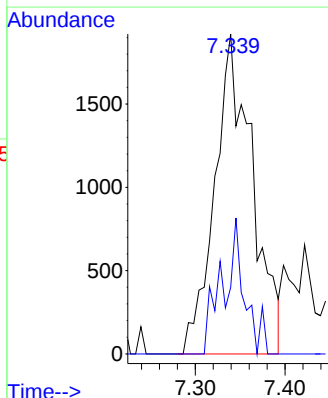
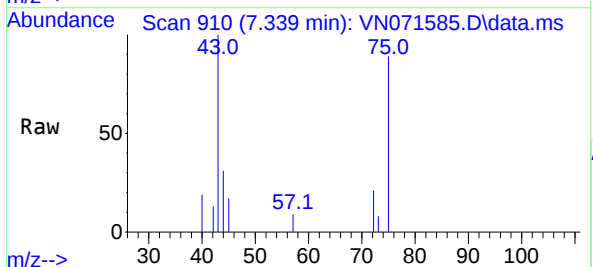
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#13

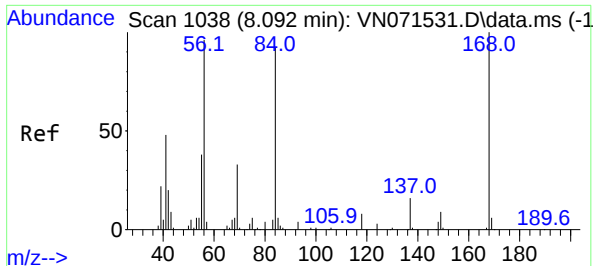
Tgt Ion: 84	Resp: 14382
Ion Ratio	Lower Upper
84 100	
49 104.8	88.3 132.5
51 27.6	28.2 42.2#
86 60.7	50.6 76.0



#25
2-Butanone
Concen: 0.895 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

Tgt Ion: 43	Resp: 5575		
Ion Ratio	Lower	Upper	
43 100			
72 20.8	23.7	35.5#	

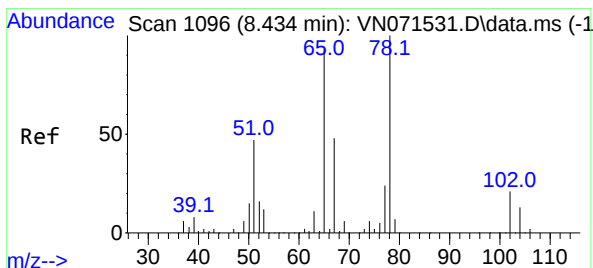
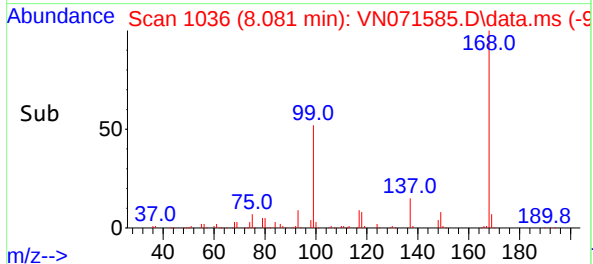
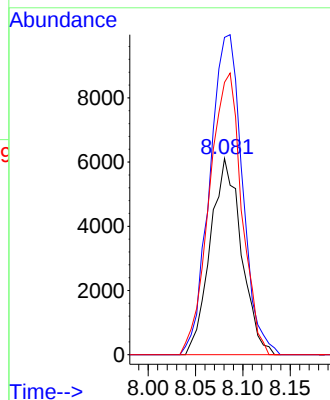
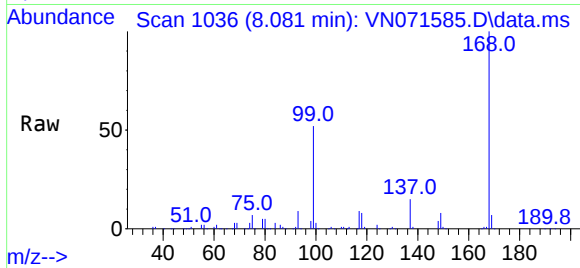




#31
Cyclohexane
Concen: 1.031 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

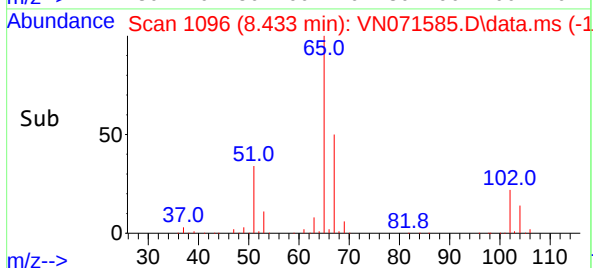
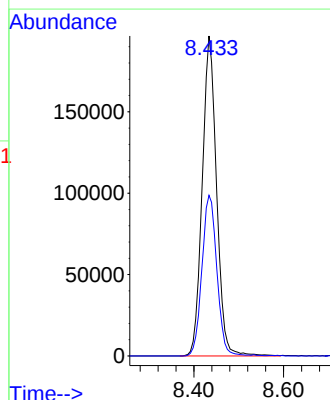
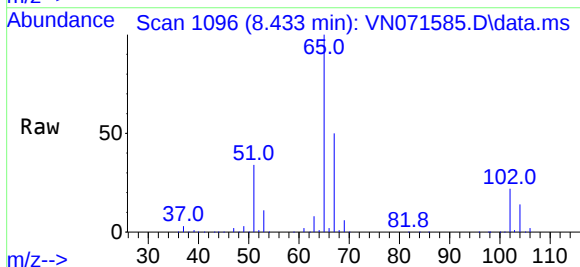
Instrument :
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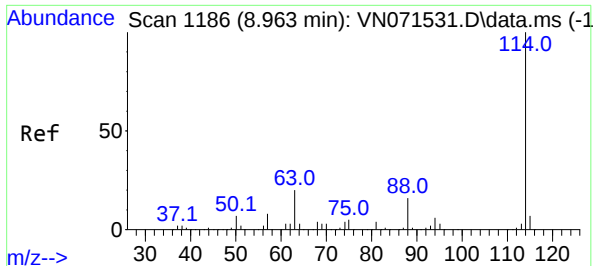
Tgt Ion: 56 Resp: 13981
Ion Ratio Lower Upper
56 100
69 161.8 27.8 41.8#
84 138.8 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 46.028 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

Tgt Ion: 65 Resp: 436201
Ion Ratio Lower Upper
65 100
67 52.0 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: VN071585.D

Acq: 26 Mar 2022 20:15

Instrument :

MSVOA_N

ClientSampleId :

PB143590ZHE#13

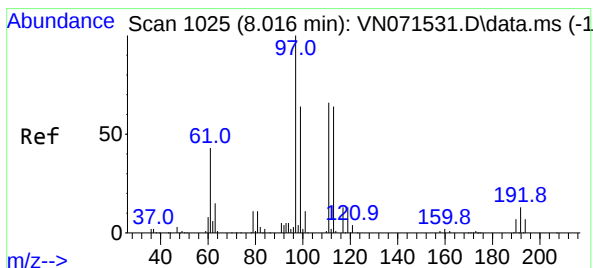
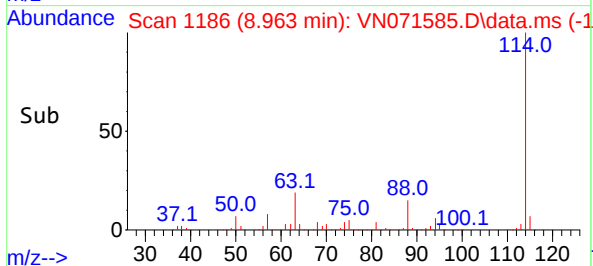
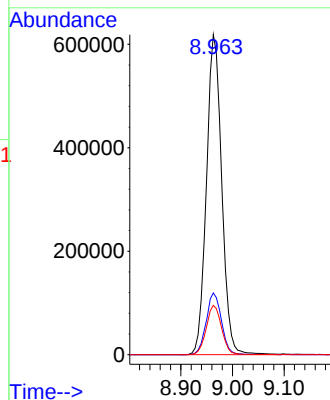
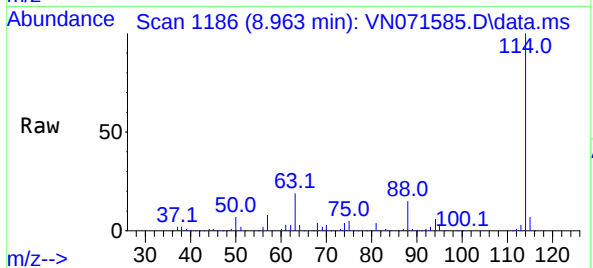
Tgt Ion:114 Resp: 1270953

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 44.701 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN071585.D

Acq: 26 Mar 2022 20:15

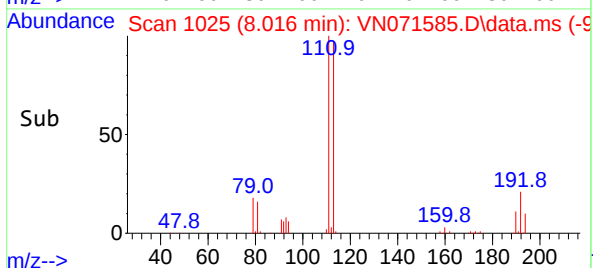
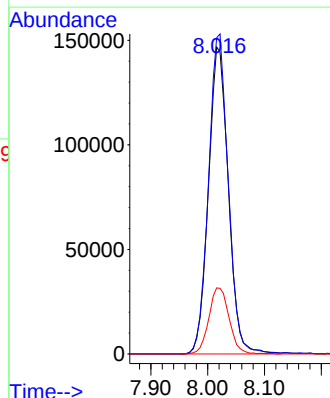
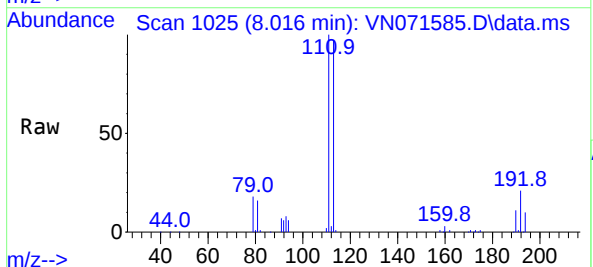
Tgt Ion:113 Resp: 357055

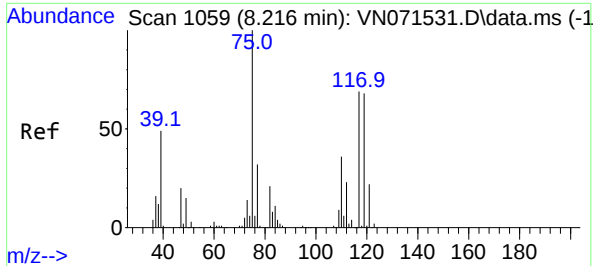
Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

192 21.9 17.0 25.6

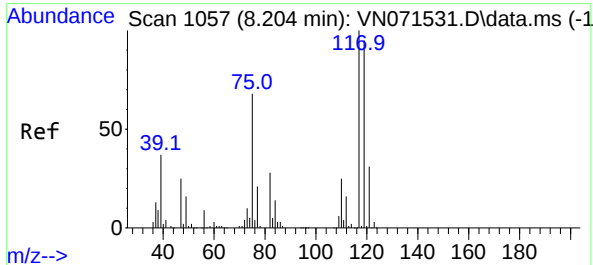
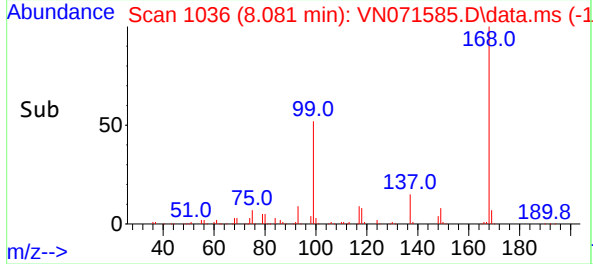
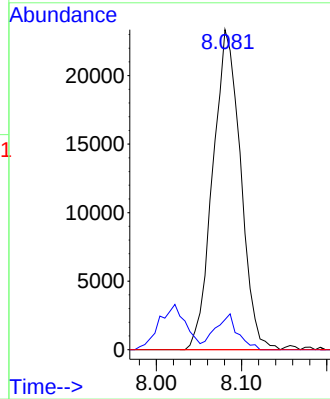
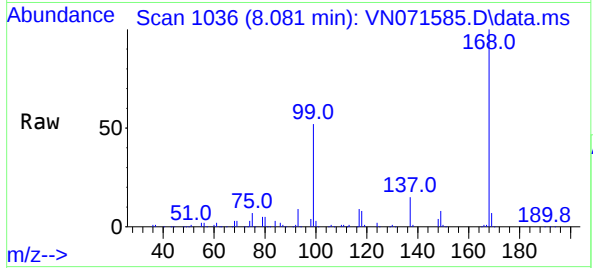




#36
1,1-Dichloropropene
Concen: 4.593 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

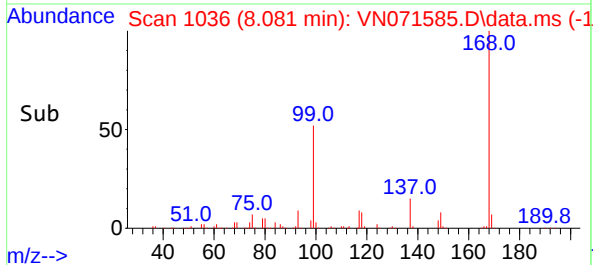
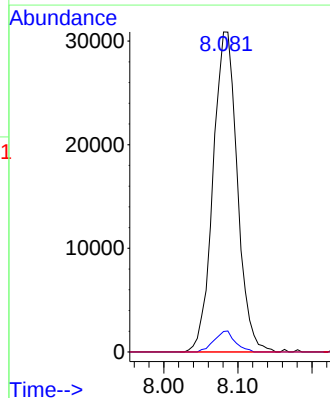
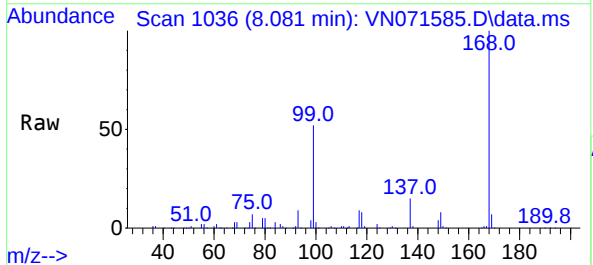
Instrument :
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PB143590ZHE#13

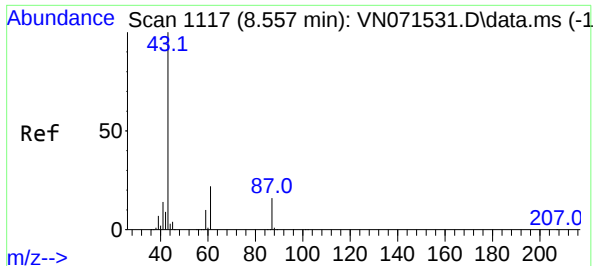
Tgt Ion: 75 Resp: 52897
Ion Ratio Lower Upper
75 100
110 9.1 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.260 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.124 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

Tgt Ion: 117 Resp: 70278
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.8#
121 0.0 24.6 37.0#

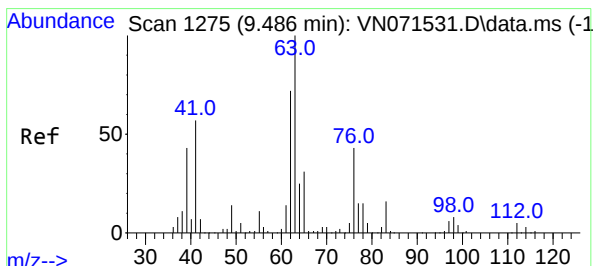
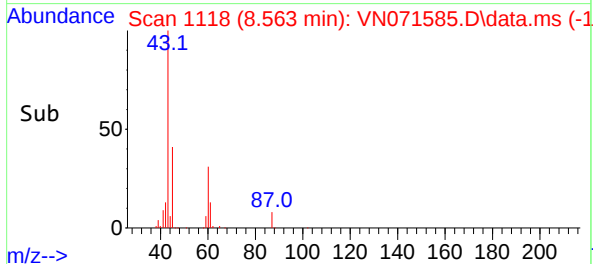
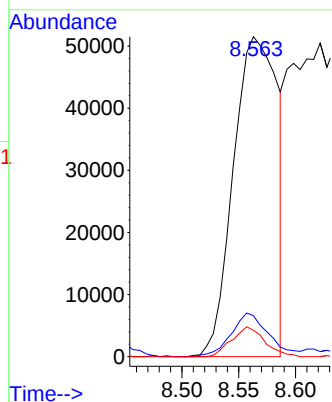
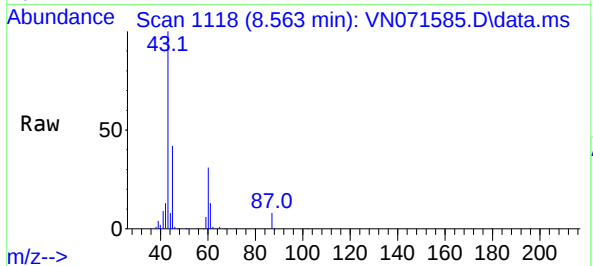




#43
Isopropyl Acetate
Concen: 6.557 ug/l
RT: 8.563 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

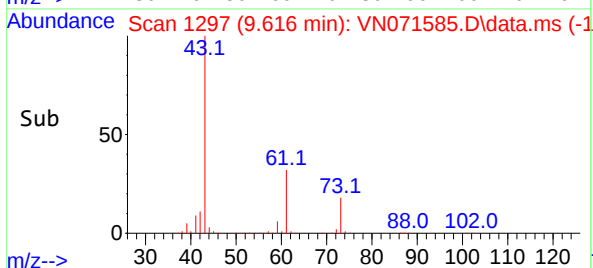
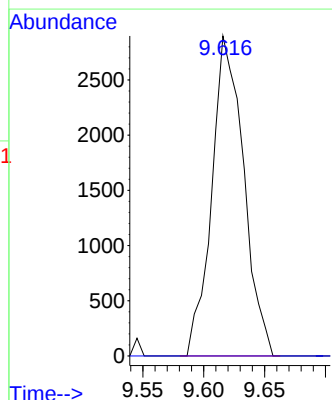
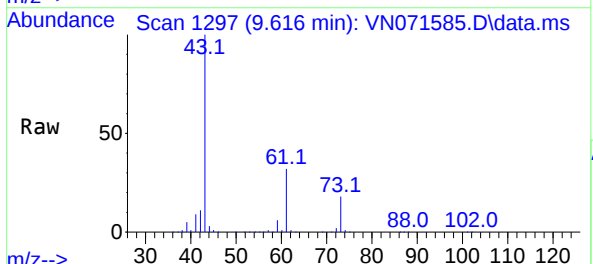
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#13

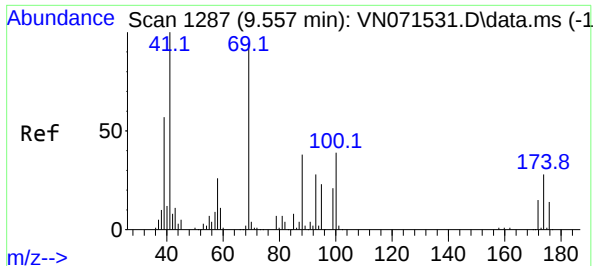
Tgt Ion: 43 Resp: 138681
Ion Ratio Lower Upper
43 100
61 11.6 21.9 32.9#
87 7.0 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.595 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.129 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

Tgt Ion: 63 Resp: 5287
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 1.917 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.018 min

Lab File: VN071585.D

Acq: 26 Mar 2022 20:15

Instrument :

MSVOA_N

ClientSampleId :

PB143590ZHE#13

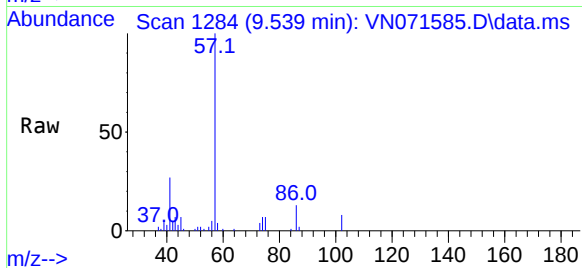
Tgt Ion: 41 Resp: 17377

Ion Ratio Lower Upper

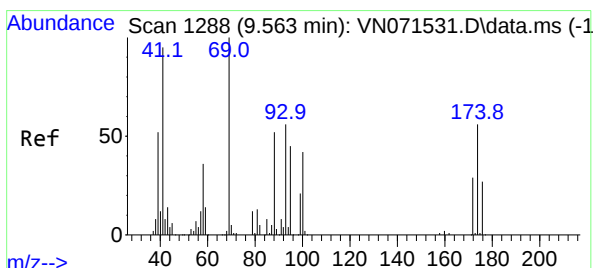
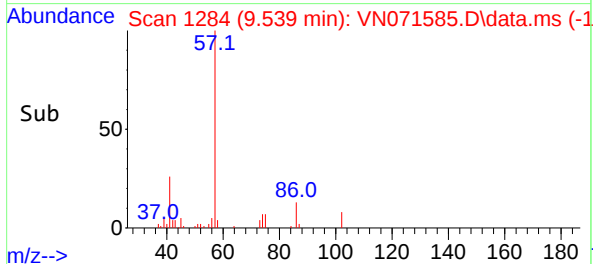
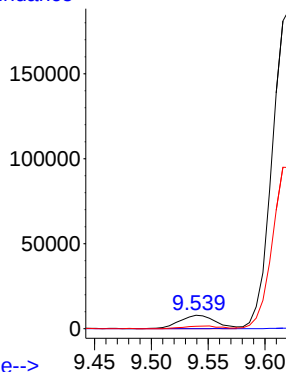
41 100

69 0.4 74.7 112.1#

39 0.0 45.6 68.4#



Abundance



#49

1,4-Dioxane

Concen: 3.314 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.059 min

Lab File: VN071585.D

Acq: 26 Mar 2022 20:15

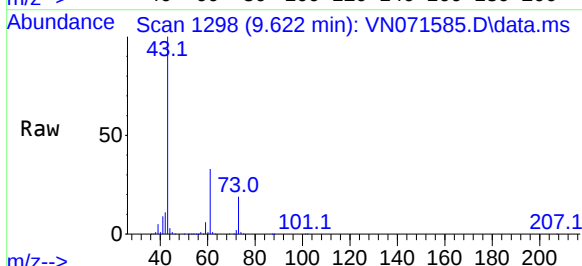
Tgt Ion: 88 Resp: 693

Ion Ratio Lower Upper

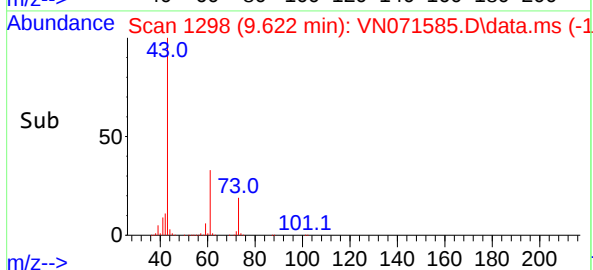
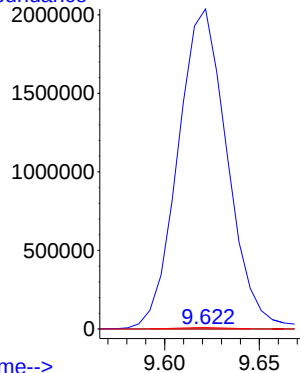
88 100

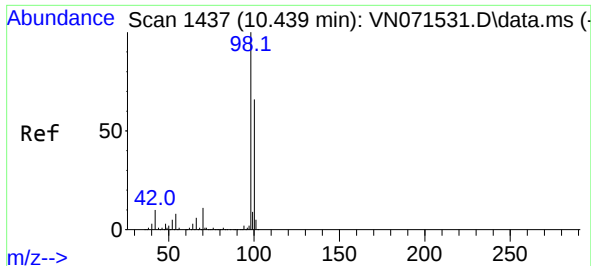
43 540836.2 20.2 30.4#

58 2475.3 54.2 81.4#



Abundance

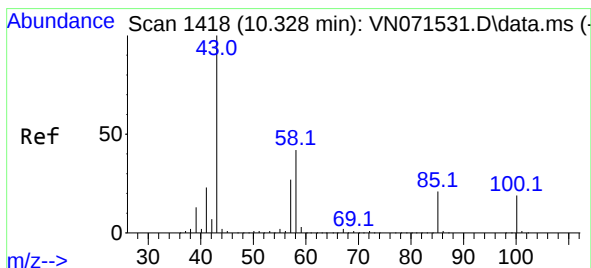
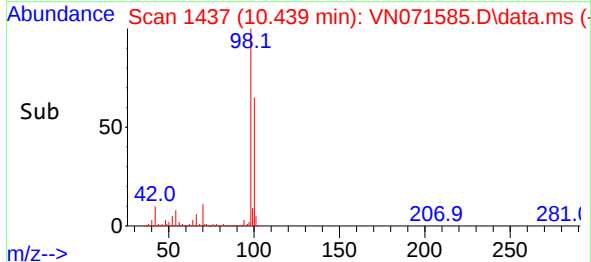
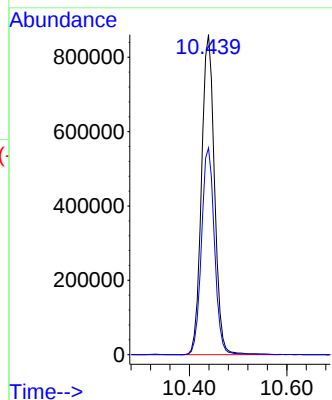
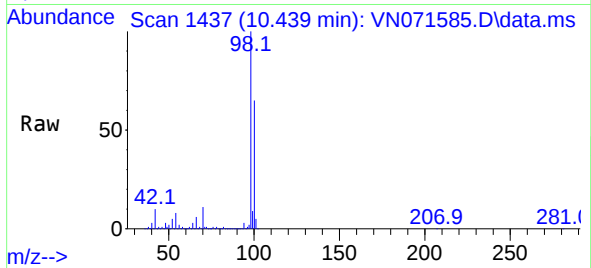




#50
Toluene-d8
Concen: 49.391 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

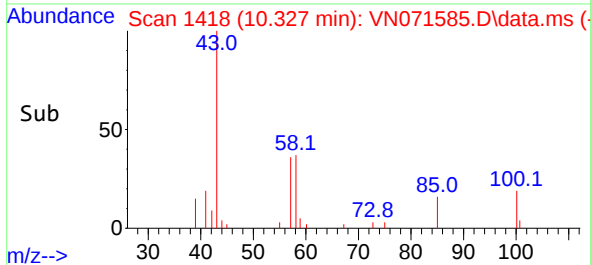
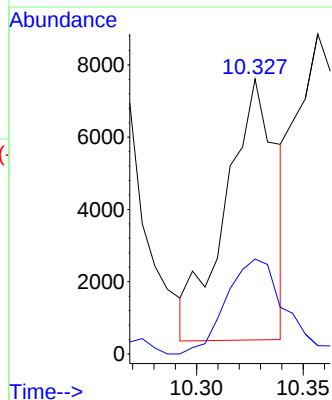
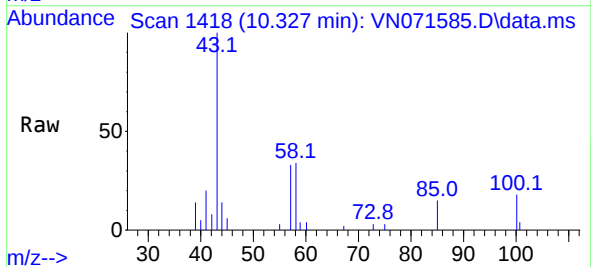
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#13

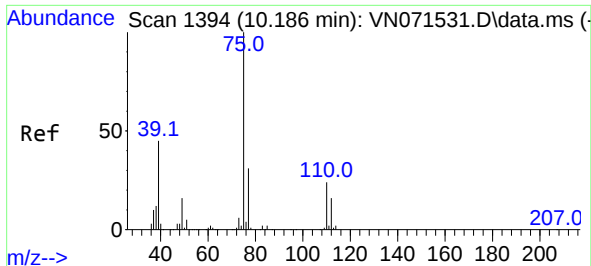
Tgt Ion: 98 Resp: 1591280
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.954 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

Tgt Ion: 43 Resp: 11994
Ion Ratio Lower Upper
43 100
58 41.5 34.1 51.1

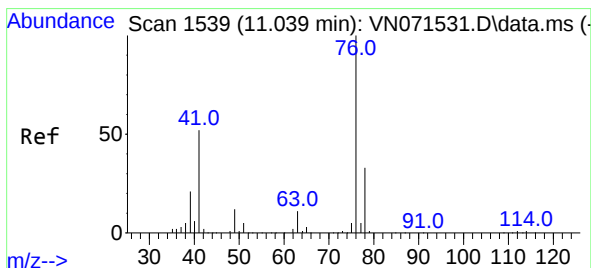
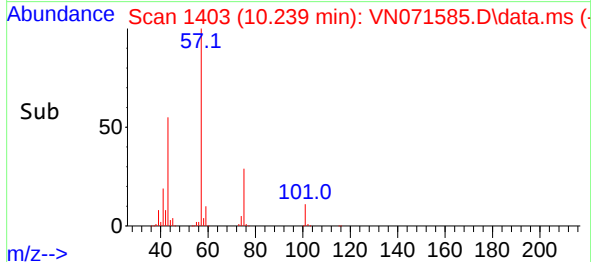
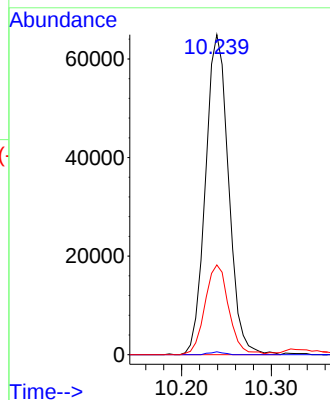
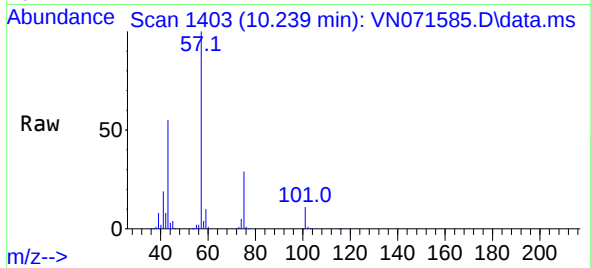




#54
 cis-1,3-Dichloropropene
 Concen: 8.252 ug/l
 RT: 10.239 min Scan# 14
 Delta R.T. 0.053 min
 Lab File: VN071585.D
 Acq: 26 Mar 2022 20:15

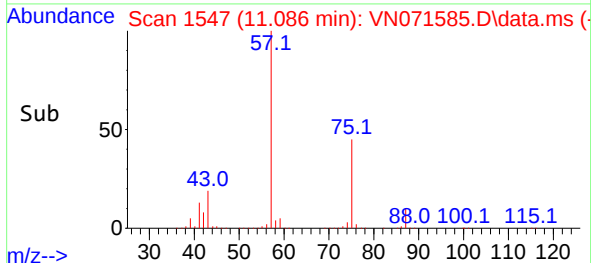
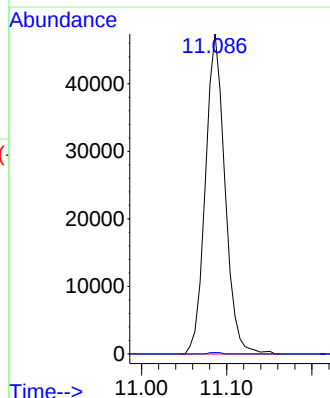
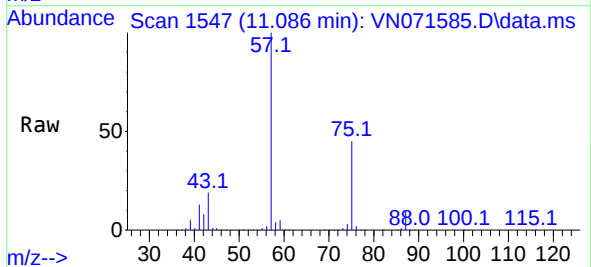
Instrument :
 MSVOA_N
 ClientSampleId :
 PB143590ZHE#13

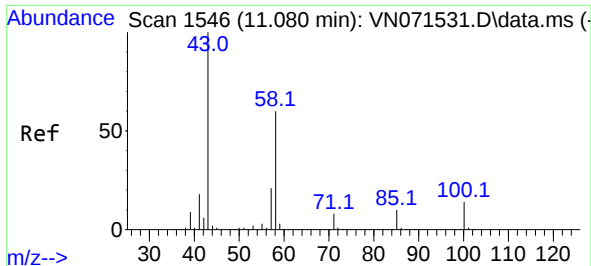
Tgt Ion: 75 Resp: 115912
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.2 37.8#
 39 28.0 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 4.935 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071585.D
 Acq: 26 Mar 2022 20:15

Tgt Ion: 76 Resp: 75532
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.2 39.2#

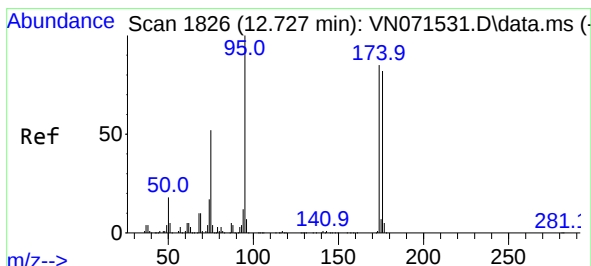
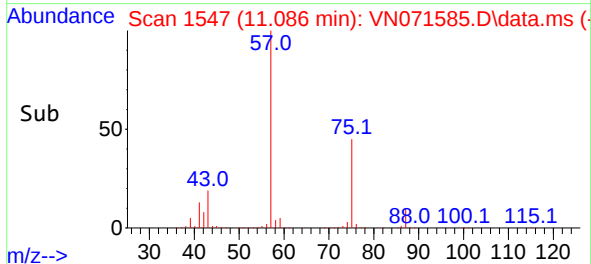
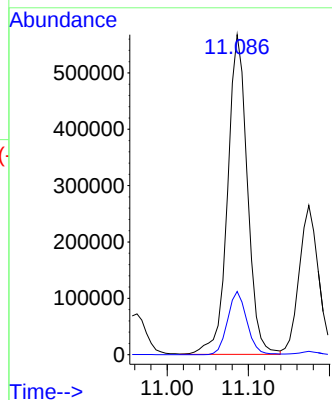
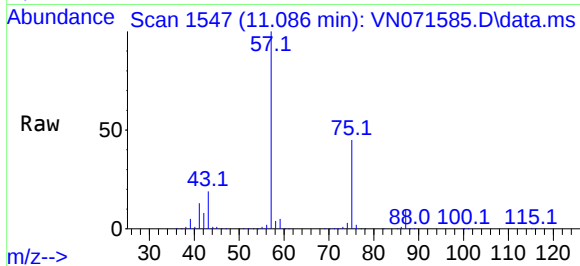




#59
2-Hexanone
Concen: 106.187 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

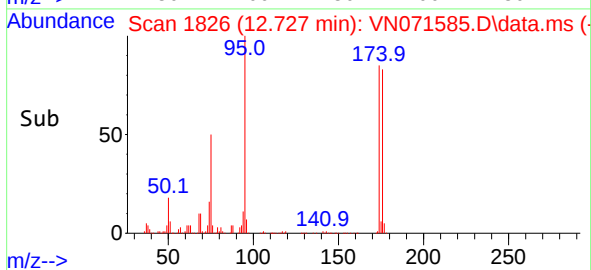
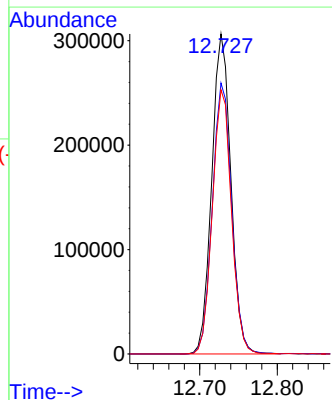
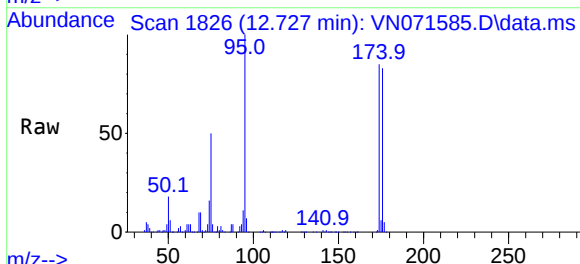
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#13

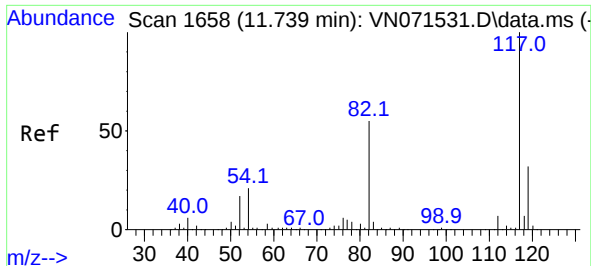
Tgt Ion: 43 Resp: 962050
Ion Ratio Lower Upper
43 100
58 19.3 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 49.704 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

Tgt Ion: 95 Resp: 524709
Ion Ratio Lower Upper
95 100
174 85.6 0.0 167.6
176 82.6 0.0 163.4

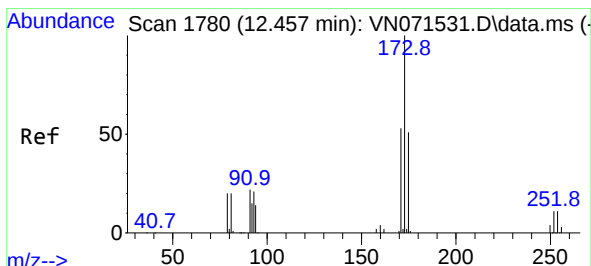
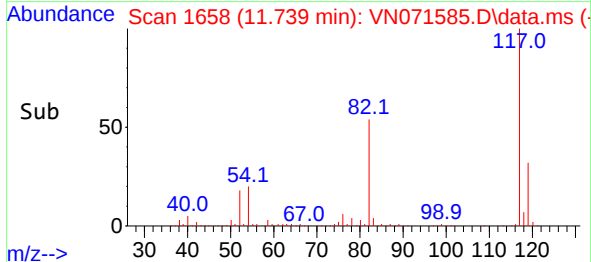
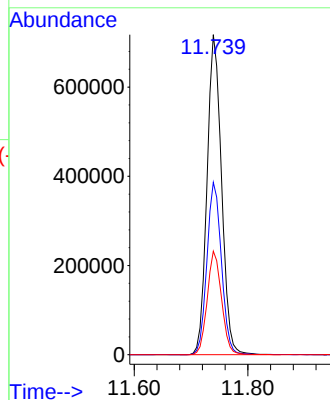
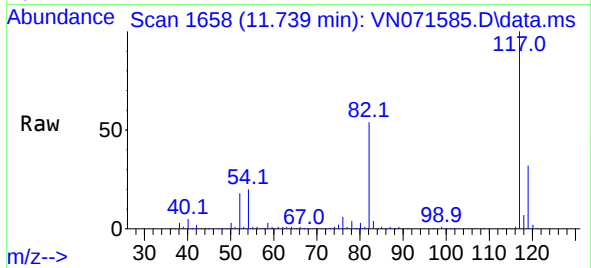




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

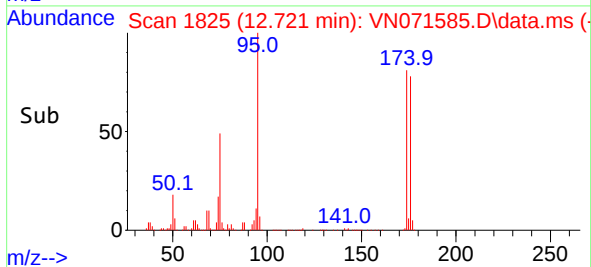
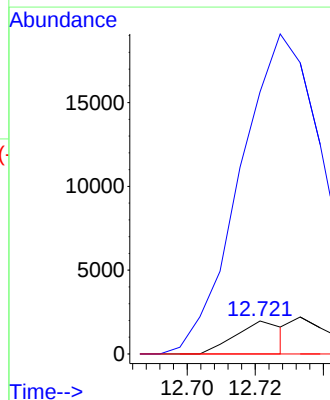
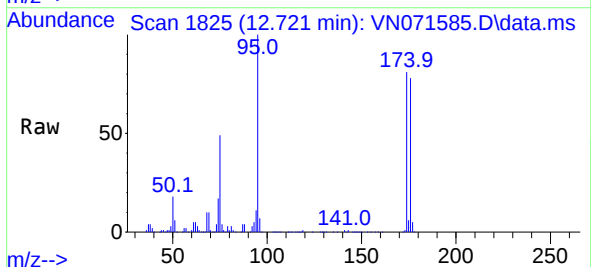
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#13

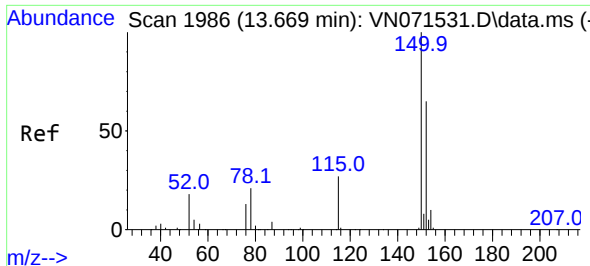
Tgt Ion:117 Resp: 1265082
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 32.3 25.4 38.0



#71
Bromoform
Concen: 0.255 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.265 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

Tgt Ion:173 Resp: 1906
Ion Ratio Lower Upper
173 100
175 1311.1 24.6 73.6#
254 0.0 0.1 0.1#

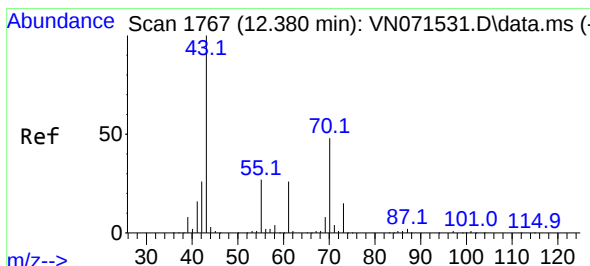
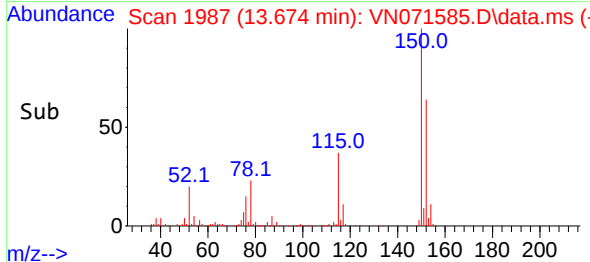
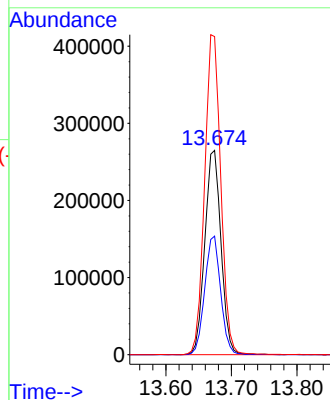
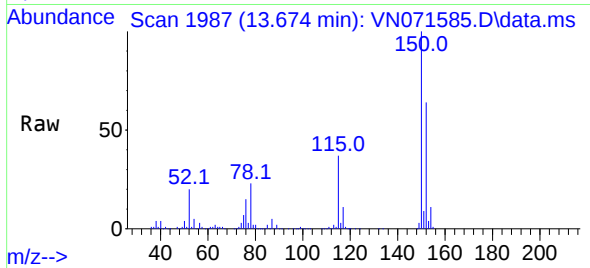




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

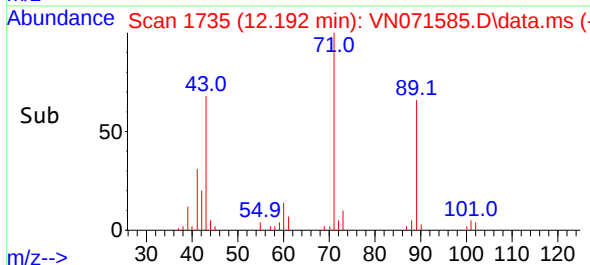
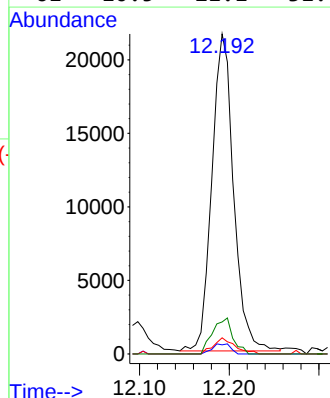
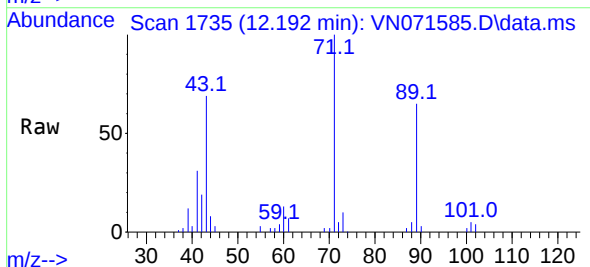
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ClientSampleId :
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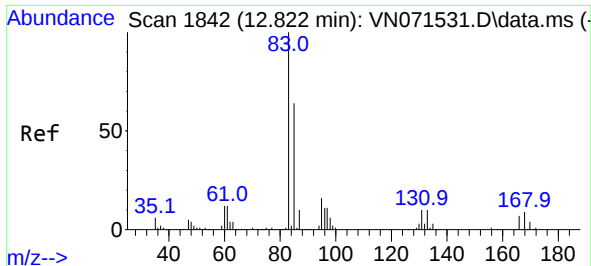
Tgt Ion:152 Resp: 456041
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 156.0 0.0 356.2



#74
N-ethyl acetate
Concen: 2.807 ug/l
RT: 12.192 min Scan# 1735
Delta R.T. -0.188 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

Tgt Ion: 43 Resp: 36282
Ion Ratio Lower Upper
43 100
70 2.6 39.0 58.4#
55 5.0 21.1 31.7#
61 10.5 21.1 31.7#

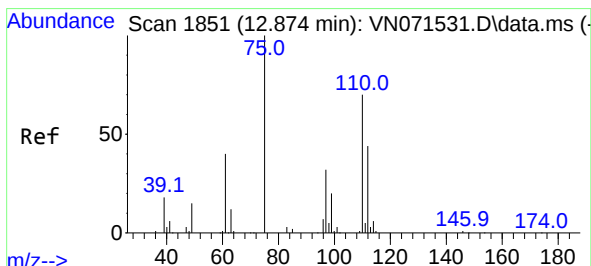
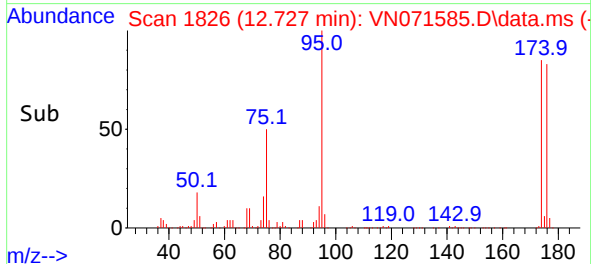
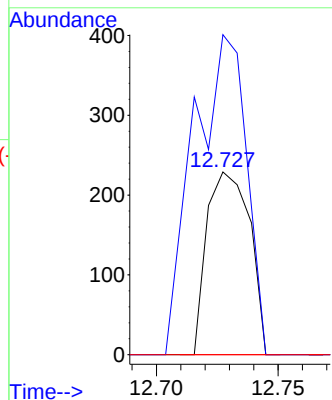
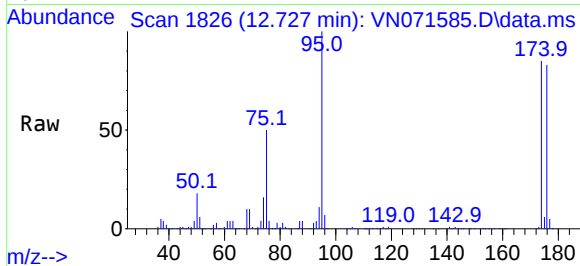




#75
1,1,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1842
Delta R.T. -0.095 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

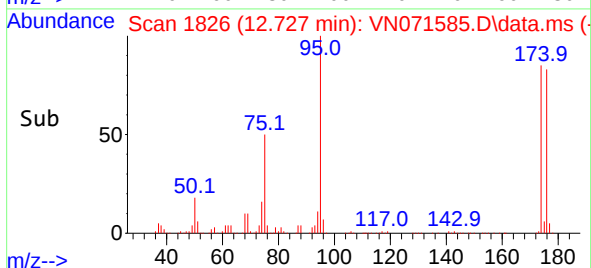
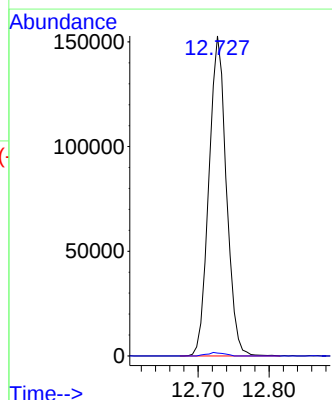
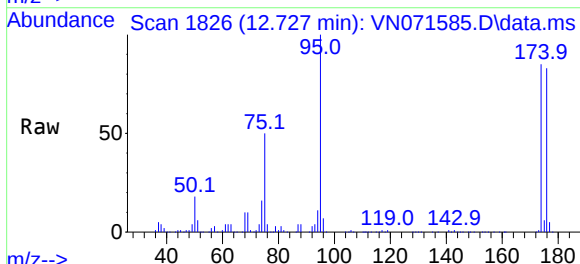
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#13

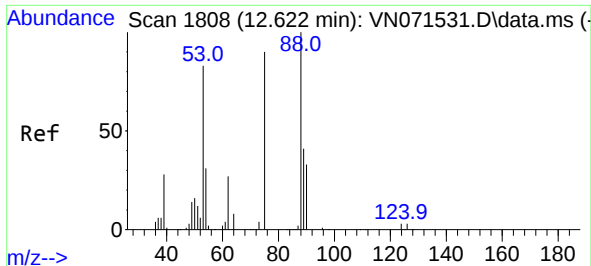
Tgt Ion: 83 Resp: 280
Ion Ratio Lower Upper
83 100
131 214.6 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 25.683 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

Tgt Ion: 75 Resp: 261170
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#

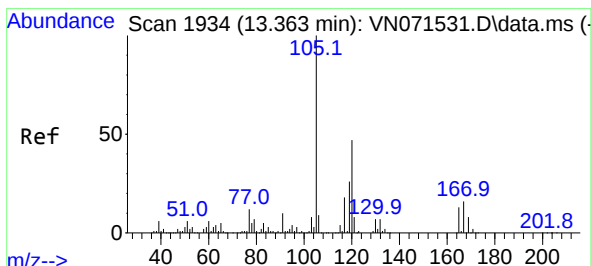
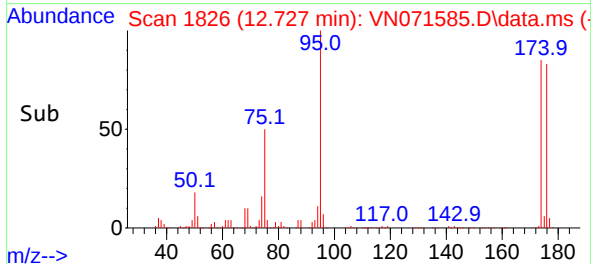
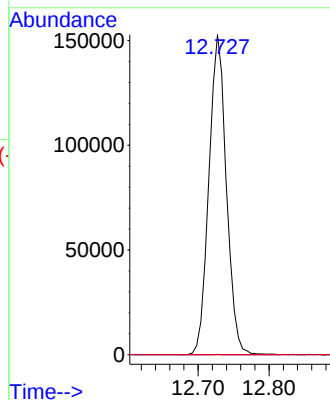
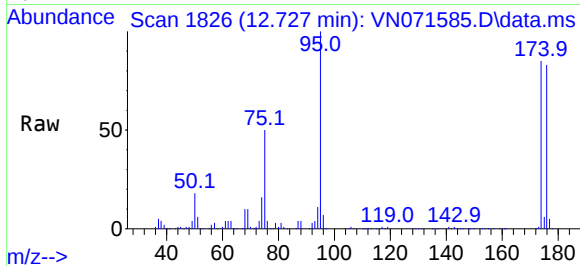




#81
trans-1,4-Dichloro-2-butene
Concen: 68.760 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

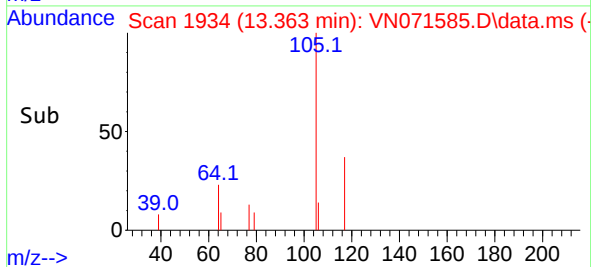
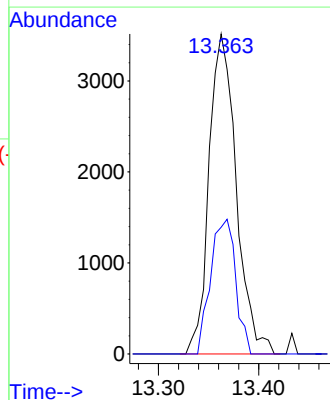
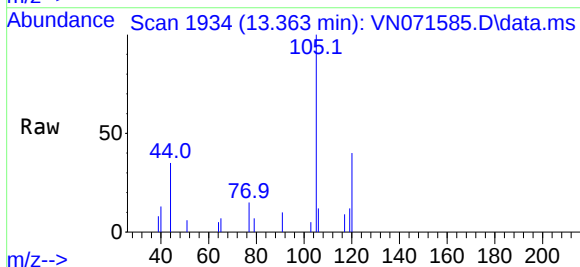
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#13

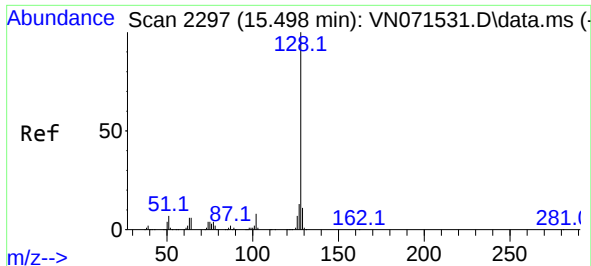
Tgt Ion: 75 Resp: 261170
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.217 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

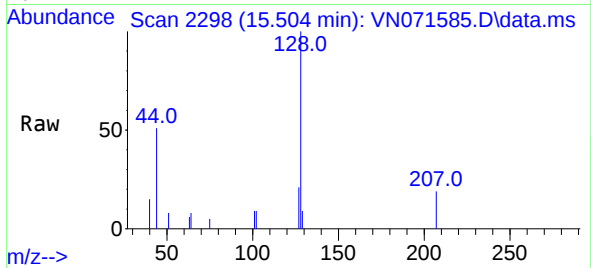
Tgt Ion:105 Resp: 6646
Ion Ratio Lower Upper
105 100
120 38.6 23.3 69.8





#95
Naphthalene
Concen: 3.501 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071585.D
Acq: 26 Mar 2022 20:15

Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#13



Tgt Ion:	128	Resp:	7103
Ion	Ratio	Lower	Upper
128	100		
127	15.3	10.3	15.5
129	9.4	8.6	13.0

