

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032522\
 Data File : VN071545.D
 Acq On : 25 Mar 2022 14:16
 Operator : JC\MD
 Sample : PB143557ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143557ZHE#04

Quant Time: Mar 26 04:01:30 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)

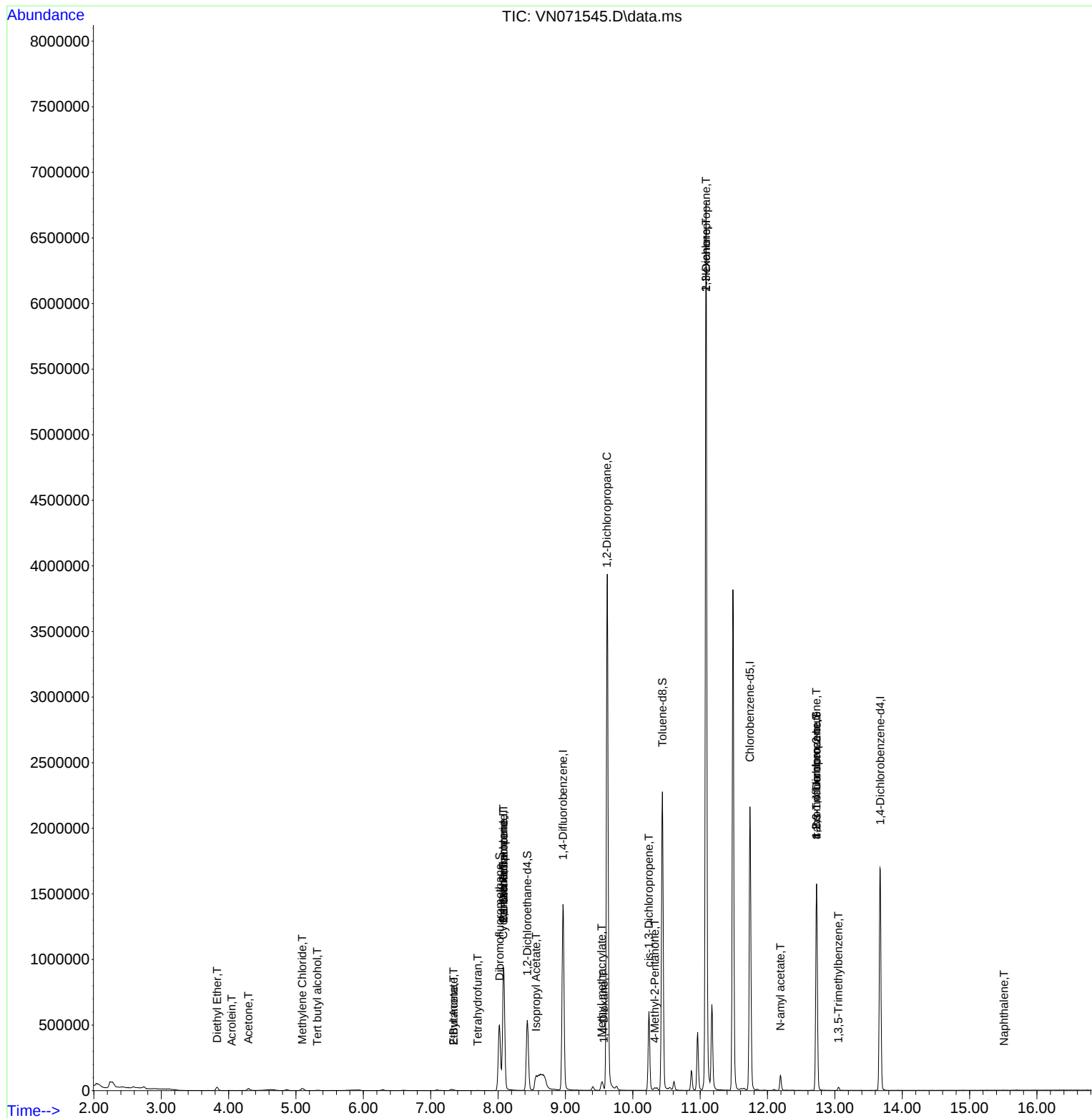
Internal Standards						
1) Pentafluorobenzene	8.081	168	763327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1309374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1314152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	495166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	451949	47.656	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.320%		
35) Dibromofluoromethane	8.022	113	374595	45.521	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.040%		
50) Toluene-d8	10.439	98	1631624	49.157	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.320%		
62) 4-Bromofluorobenzene	12.727	95	556811	51.197	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.400%		
Target Compounds						Qvalue
3) Chloromethane	2.305	50	3988	Below Cal		94
8) Diethyl Ether	3.828	74	15707	3.039 ug/l		98
11) Tert butyl alcohol	5.316	59	2892	1.636 ug/l #		72
13) Acrolein	4.046	56	529	0.391 ug/l		84
16) Acetone	4.293	43	26346	6.778 ug/l		95
20) Methylene Chloride	5.093	84	13500	1.490 ug/l #		81
25) 2-Butanone	7.340	43	5871	0.941 ug/l #		76
29) Tetrahydrofuran	7.698	42	1335	0.322 ug/l #		60
31) Cyclohexane	8.075	56	13975	1.030 ug/l #		13
36) 1,1-Dichloropropene	8.081	75	54629	4.604 ug/l #		49
37) Ethyl Acetate	7.340	43	5871	0.454 ug/l #		70
38) Carbon Tetrachloride	8.081	117	70248	6.074 ug/l #		16
43) Isopropyl Acetate	8.563	43	125061	5.688 ug/l #		76
45) 1,2-Dichloropropane	9.616	63	5204	0.569 ug/l #		44
48) Methyl methacrylate	9.539	41	18165	1.946 ug/l #		10
49) 1,4-Dioxane	9.569	88	53	0.246 ug/l #		25
51) 4-Methyl-2-Pentanone	10.328	43	11770	0.909 ug/l		96
54) cis-1,3-Dichloropropene	10.239	75	116258	8.033 ug/l #		62
57) 1,3-Dichloropropane	11.086	76	73493	4.661 ug/l #		42
59) 2-Hexanone	11.086	43	975940	104.559 ug/l #		46
74) N-amyl acetate	12.192	43	33514	2.388 ug/l #		50
75) 1,1,2,2-Tetrachloroethane	12.722	83	393	Below Cal #		1
76) 1,2,3-Trichloropropane	12.727	75	275803	24.979 ug/l #		1
80) 1,3,5-Trimethylbenzene	13.051	105	11333	0.329 ug/l		94
81) trans-1,4-Dichloro-2-b...	12.727	75	275803	66.875 ug/l #		10
95) Naphthalene	15.510	128	2009	3.289 ug/l #		74

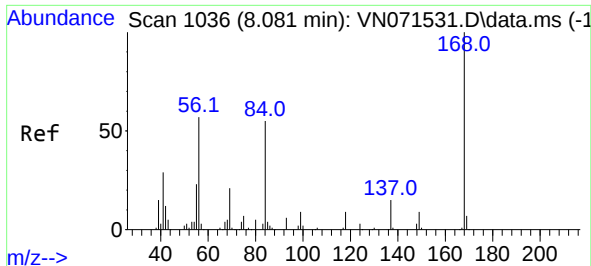
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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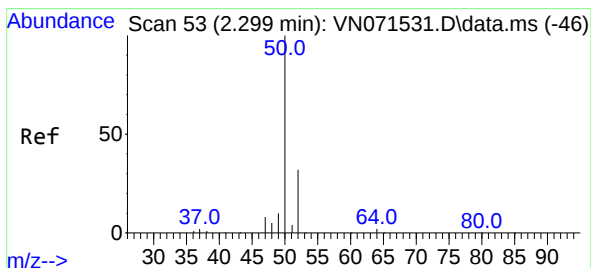
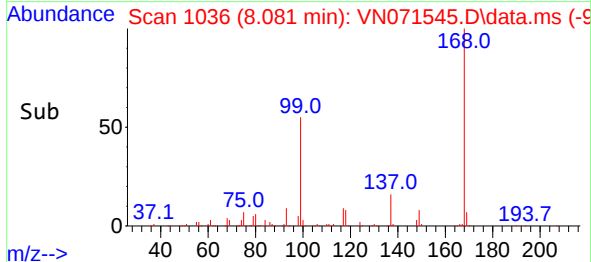
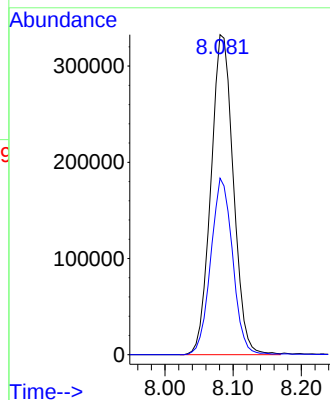
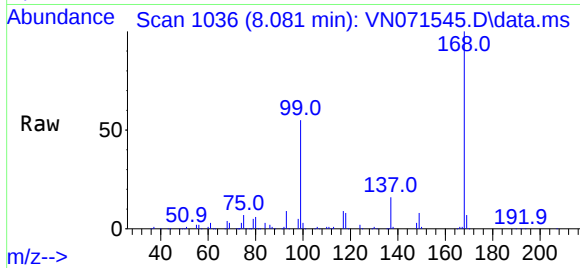




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

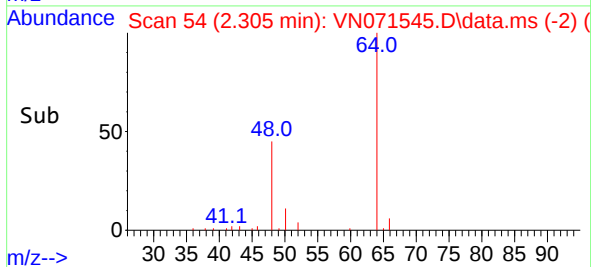
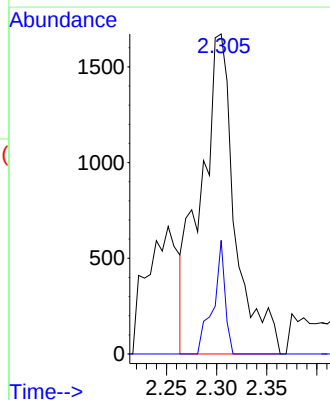
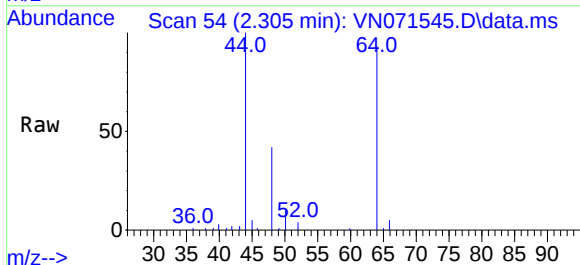
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#04

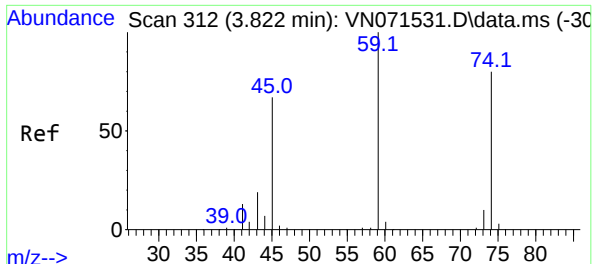
Tgt Ion:168 Resp: 763327
Ion Ratio Lower Upper
168 100
99 55.2 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Tgt Ion: 50 Resp: 3988
Ion Ratio Lower Upper
50 100
52 35.5 25.7 38.5

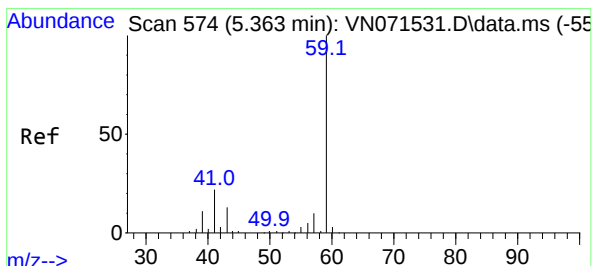
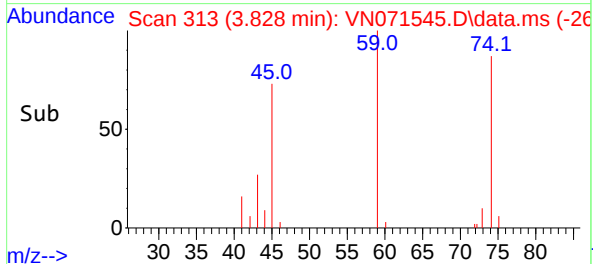
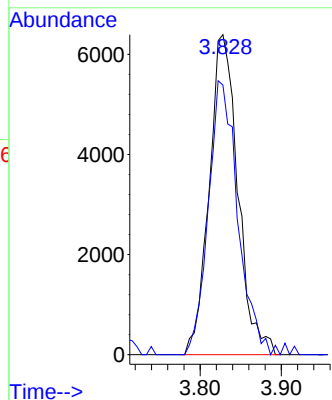
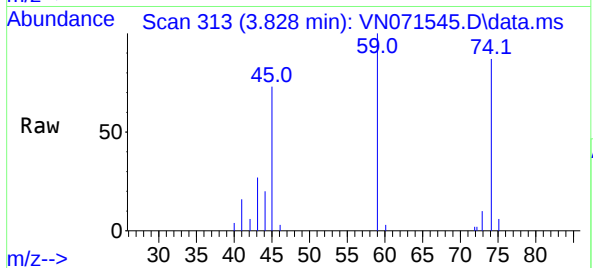




#8
Diethyl Ether
Concen: 3.039 ug/l
RT: 3.828 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

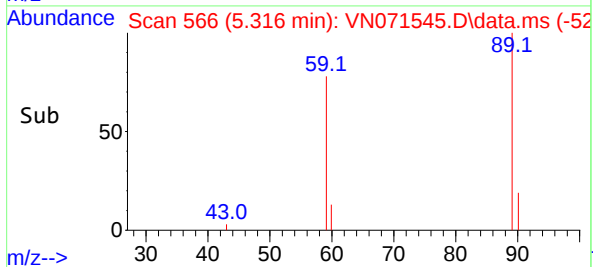
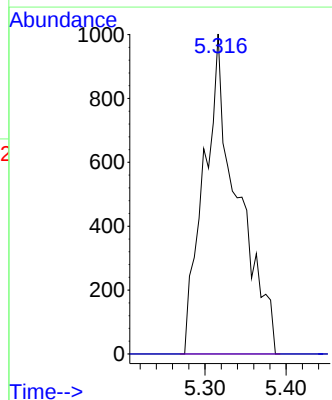
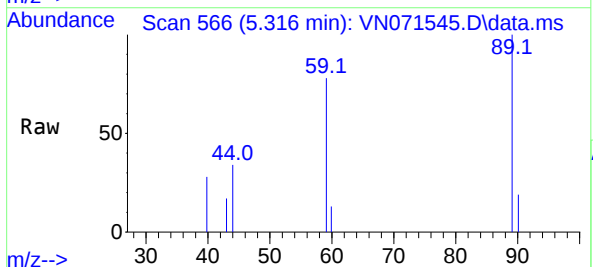
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#04

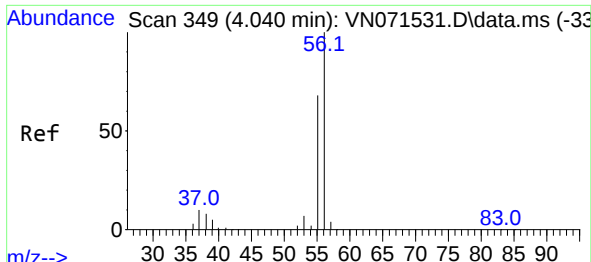
Tgt Ion: 74 Resp: 15707
Ion Ratio Lower Upper
74 100
45 87.7 42.9 128.5



#11
Tert butyl alcohol
Concen: 1.636 ug/l
RT: 5.316 min Scan# 566
Delta R.T. -0.047 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Tgt Ion: 59 Resp: 2892
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

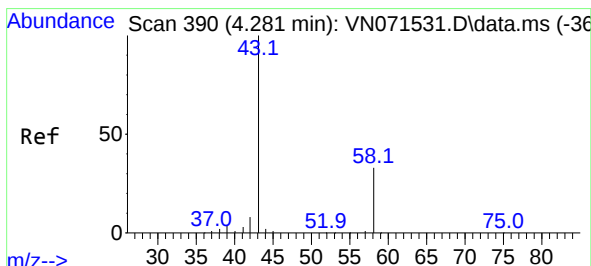
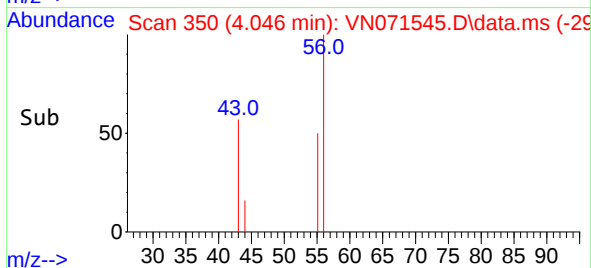
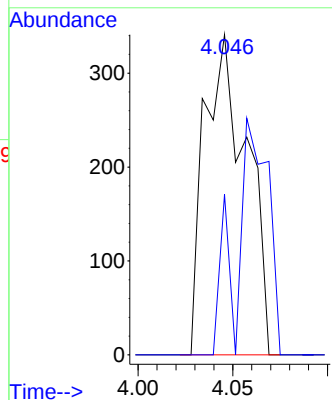
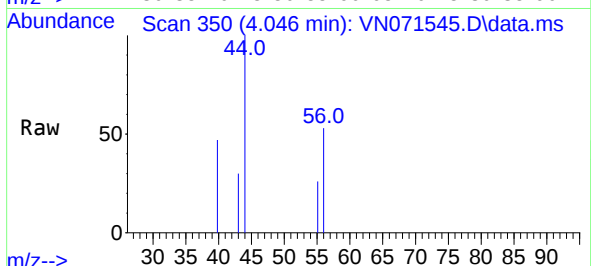




#13
Acrolein
Concen: 0.391 ug/l
RT: 4.046 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

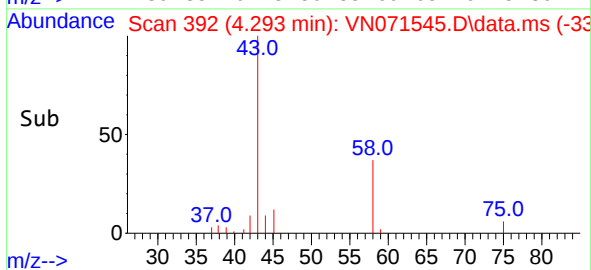
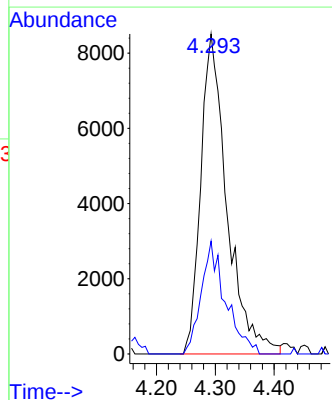
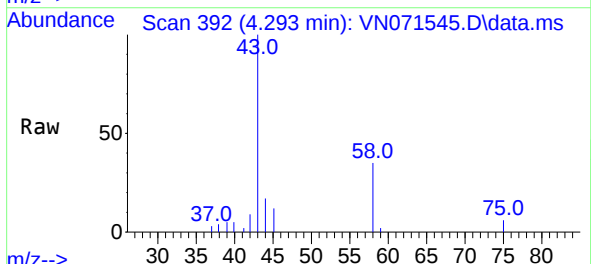
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#04

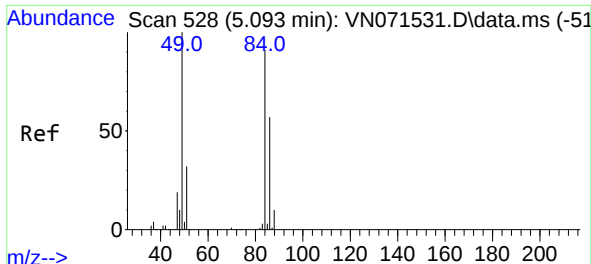
Tgt Ion: 56 Resp: 529
Ion Ratio Lower Upper
56 100
55 55.6 54.8 82.2



#16
Acetone
Concen: 6.778 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Tgt Ion: 43 Resp: 26346
Ion Ratio Lower Upper
43 100
58 35.2 26.0 39.0



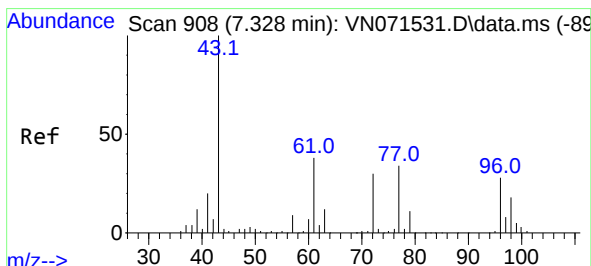
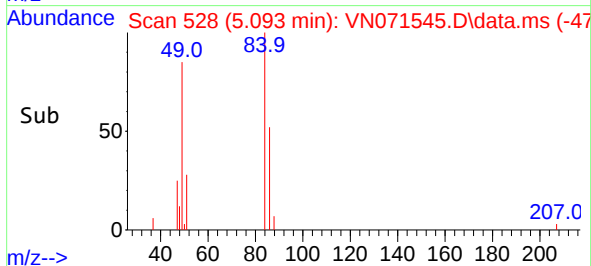
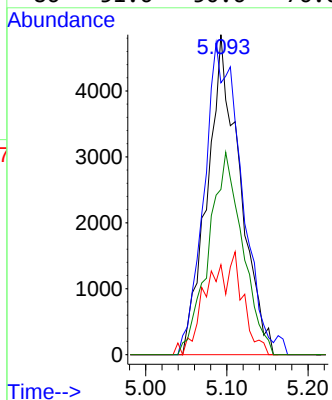
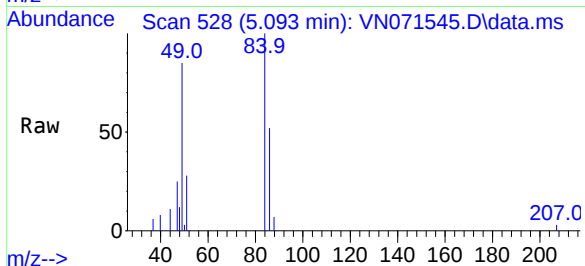


#20
Methylene Chloride
Concen: 1.490 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#04

Tgt Ion: 84 Resp: 13500

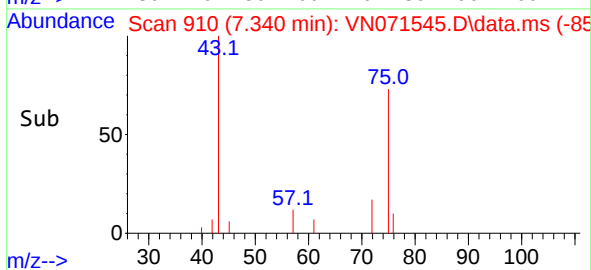
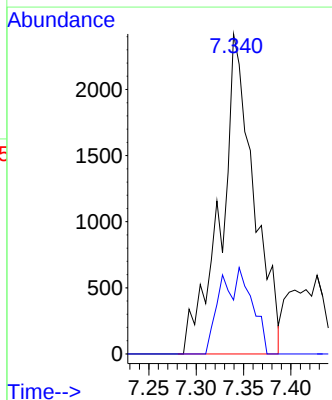
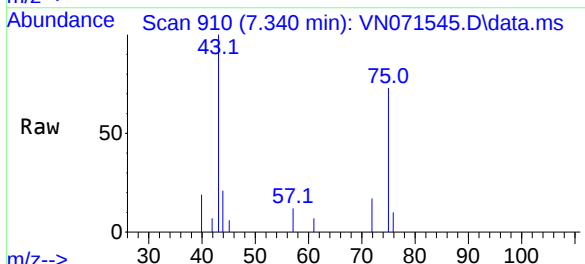
Ion	Ratio	Lower	Upper
84	100		
49	84.9	88.3	132.5#
51	28.1	28.2	42.2#
86	51.6	50.6	76.0

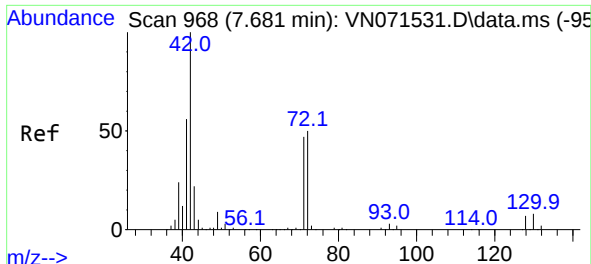


#25
2-Butanone
Concen: 0.941 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Tgt Ion: 43 Resp: 5871

Ion	Ratio	Lower	Upper
43	100		
72	16.9	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.322 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN071545.D

Acq: 25 Mar 2022 14:16

Instrument :

MSVOA_N

ClientSampleId :

PB143557ZHE#04

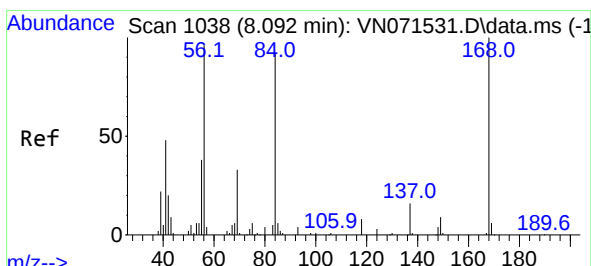
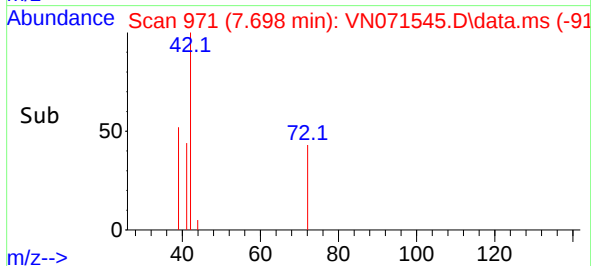
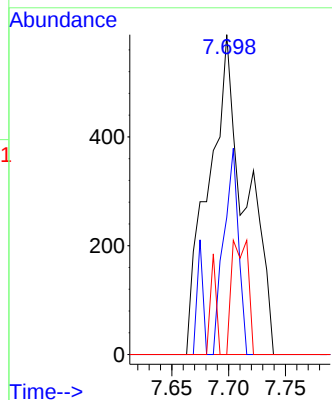
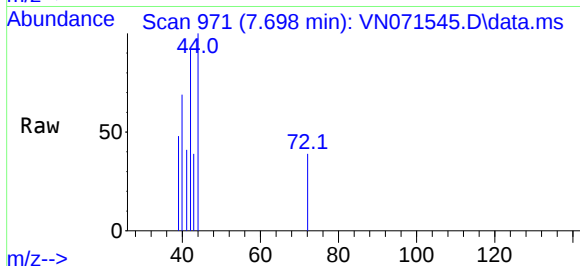
Tgt Ion: 42 Resp: 1335

Ion Ratio Lower Upper

42 100

72 25.5 39.7 59.5#

71 15.8 36.6 55.0#



#31

Cyclohexane

Concen: 1.030 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.018 min

Lab File: VN071545.D

Acq: 25 Mar 2022 14:16

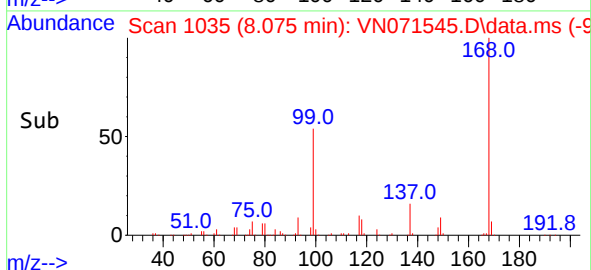
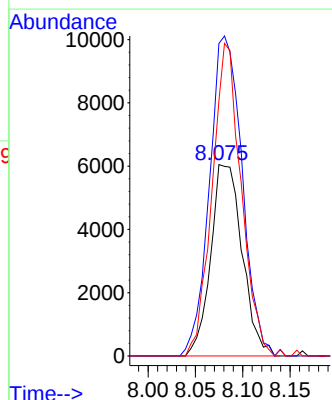
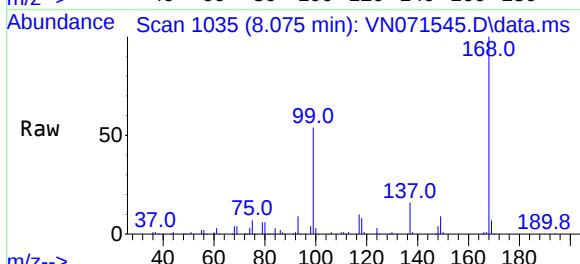
Tgt Ion: 56 Resp: 13975

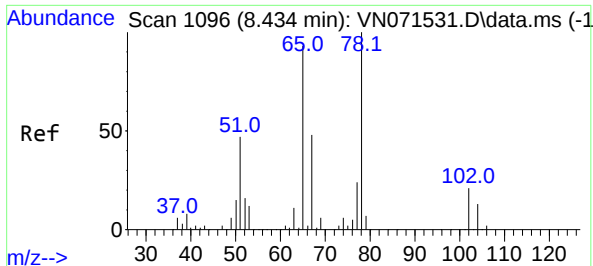
Ion Ratio Lower Upper

56 100

69 163.3 27.8 41.8#

84 133.4 76.9 115.3#

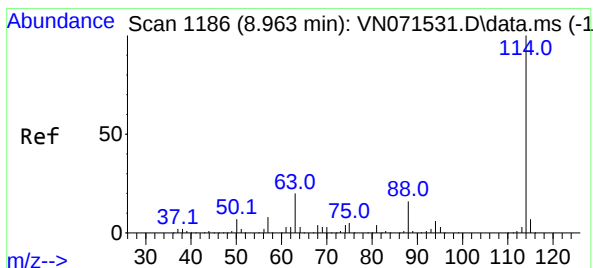
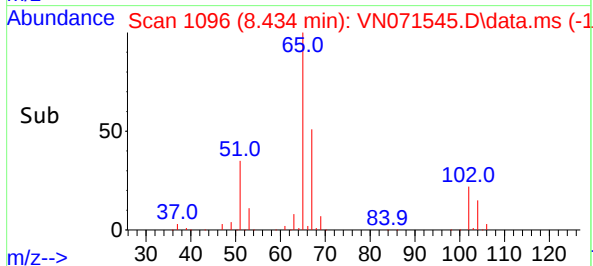
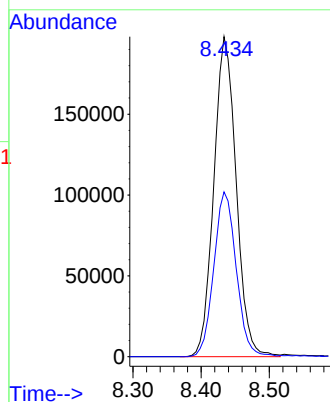
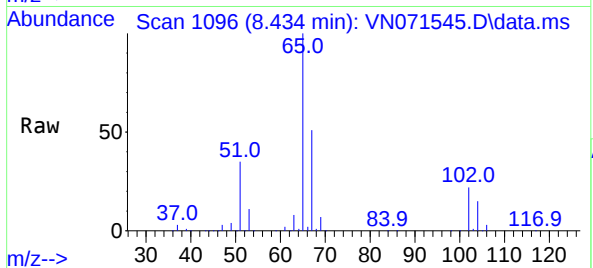




#33
1,2-Dichloroethane-d4
Concen: 47.656 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

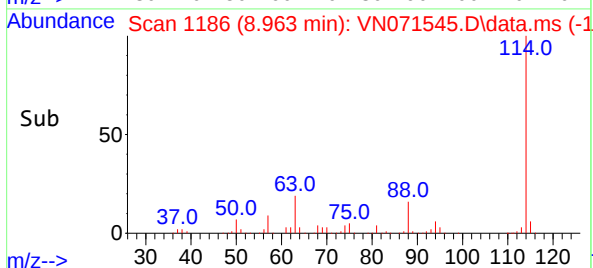
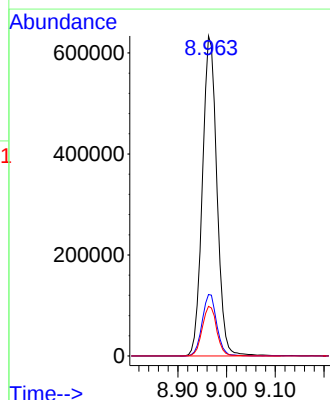
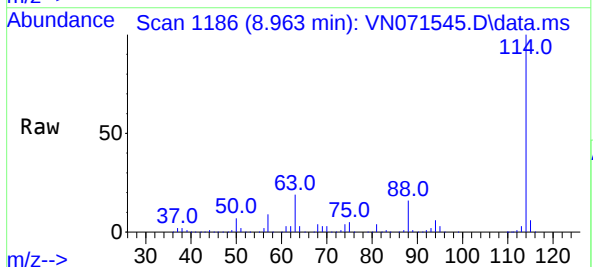
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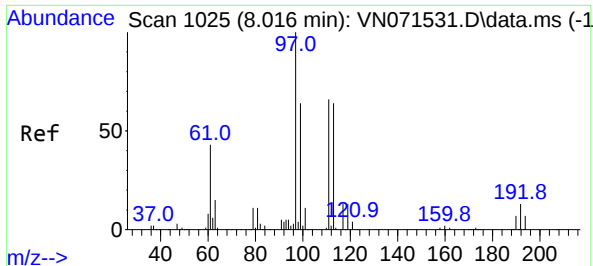
Tgt Ion: 65 Resp: 451949
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Tgt Ion: 114 Resp: 1309374
Ion Ratio Lower Upper
114 100
63 19.2 0.0 40.0
88 15.5 0.0 32.6

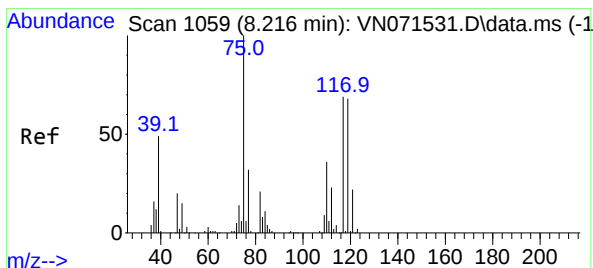
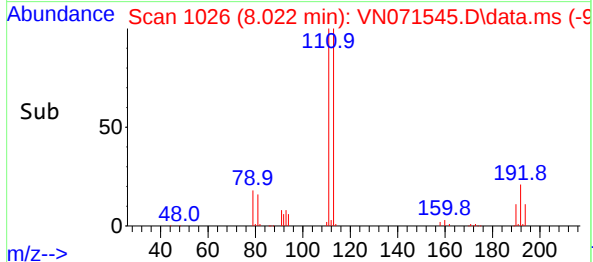
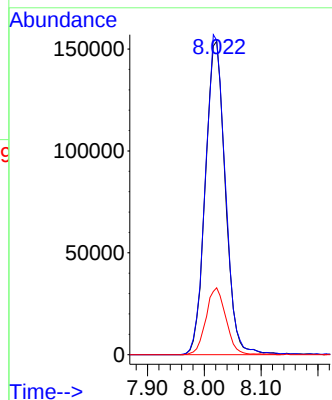
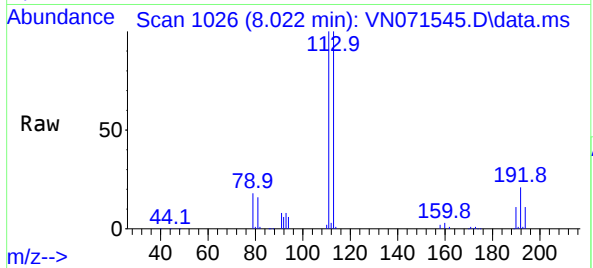




#35
Dibromofluoromethane
Concen: 45.521 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

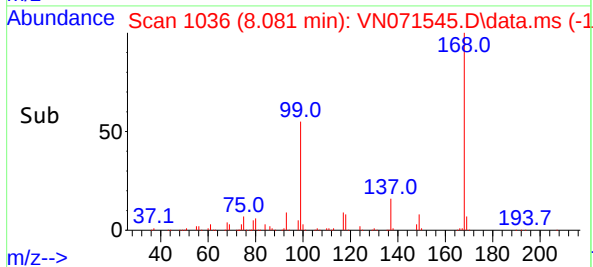
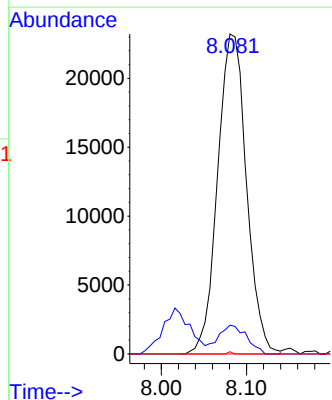
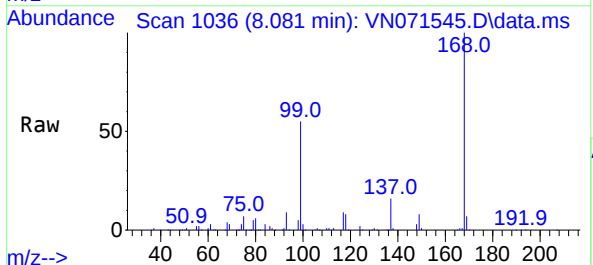
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#04

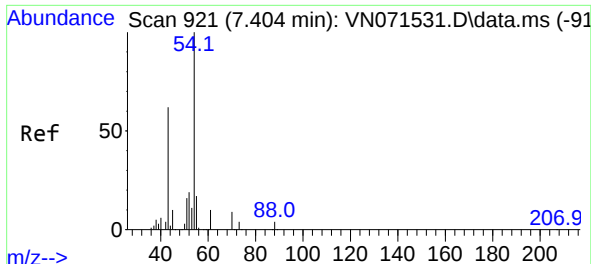
Tgt Ion:113 Resp: 374595
Ion Ratio Lower Upper
113 100
111 101.7 81.4 122.0
192 21.4 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.604 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Tgt Ion: 75 Resp: 54629
Ion Ratio Lower Upper
75 100
110 8.9 18.3 54.8#
77 0.1 25.1 37.7#

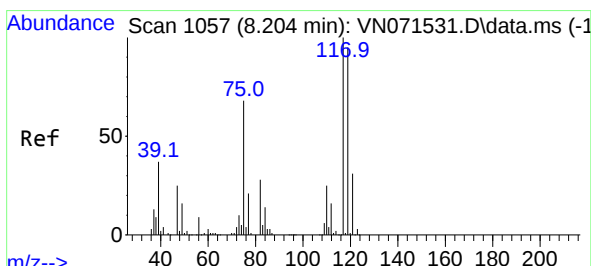
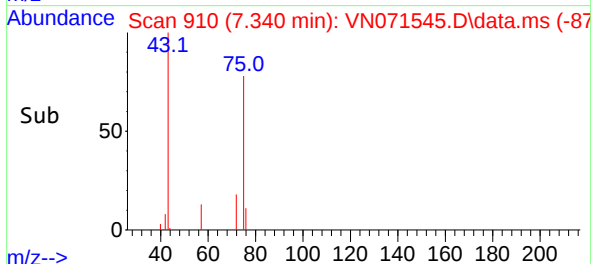
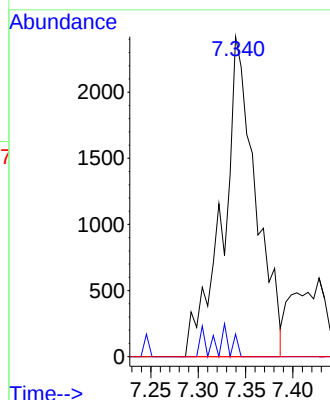
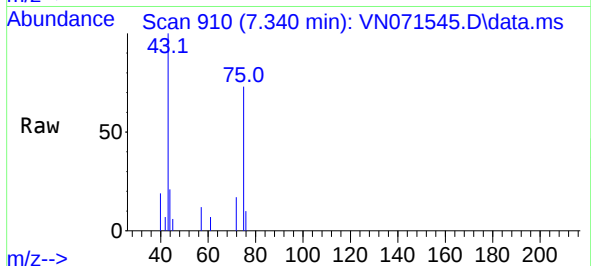




#37
Ethyl Acetate
Concen: 0.454 ug/l
RT: 7.340 min Scan# 91
Delta R.T. -0.065 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

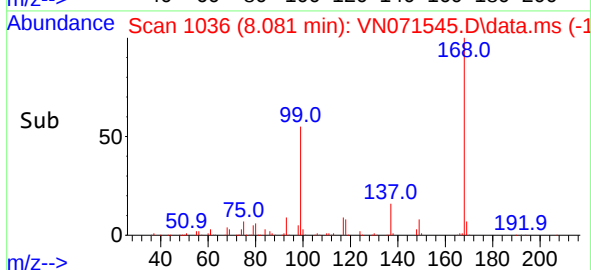
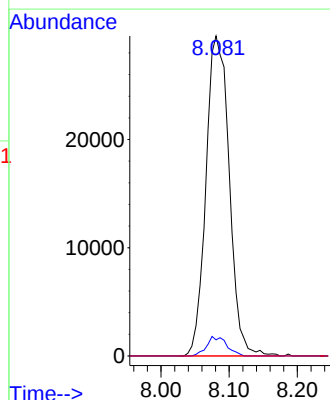
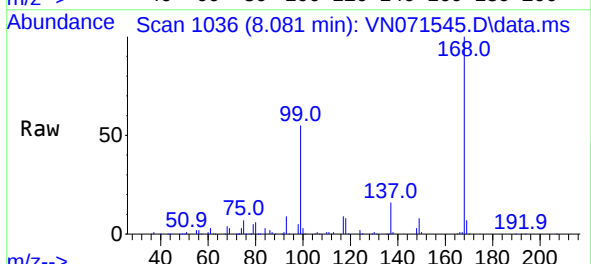
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#04

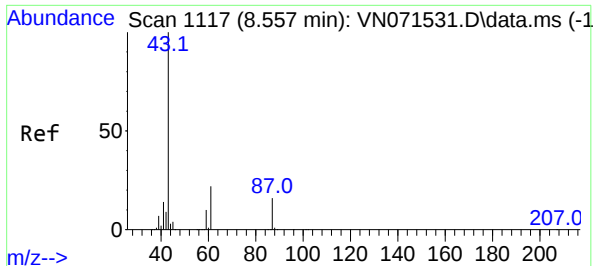
Tgt Ion: 43 Resp: 5871
Ion Ratio Lower Upper
43 100
61 2.5 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.074 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.124 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Tgt Ion: 117 Resp: 70248
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#

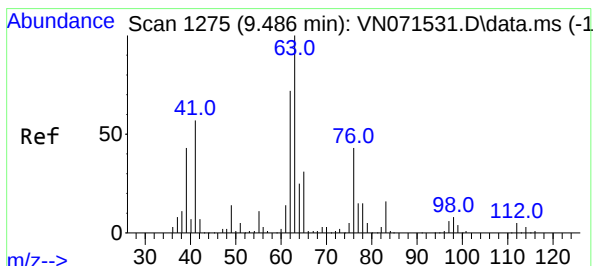
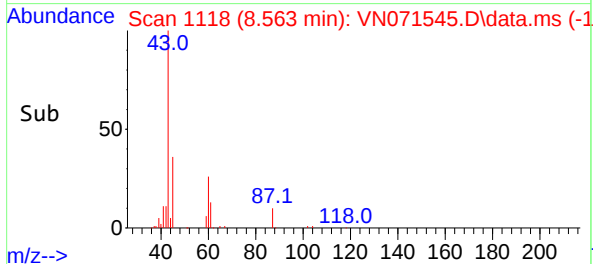
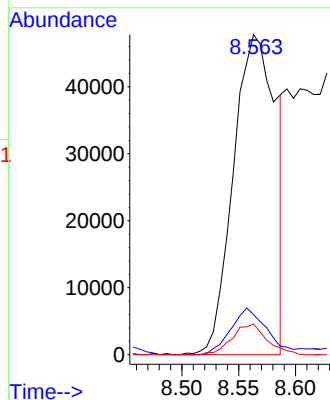
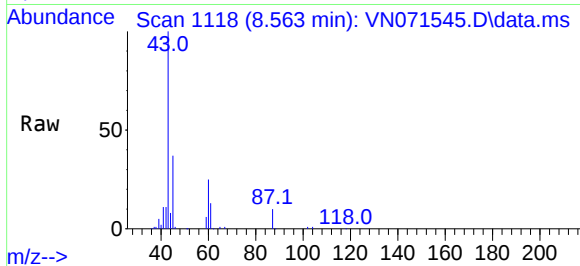




#43
Isopropyl Acetate
Concen: 5.688 ug/l
RT: 8.563 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

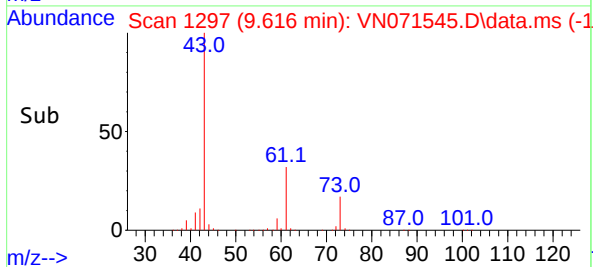
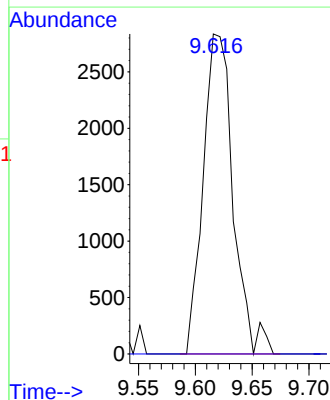
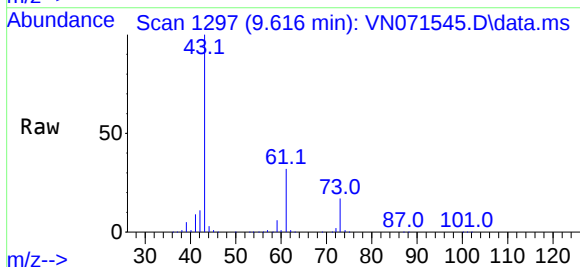
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#04

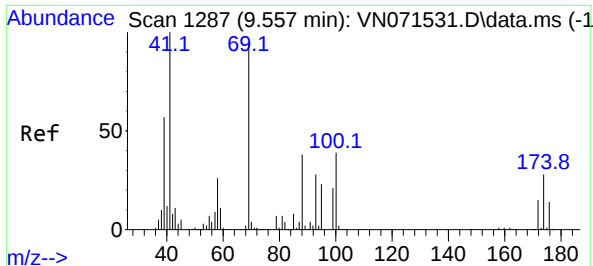
Tgt Ion: 43 Resp: 125061
Ion Ratio Lower Upper
43 100
61 13.2 21.9 32.9#
87 7.8 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.569 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.129 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Tgt Ion: 63 Resp: 5204
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

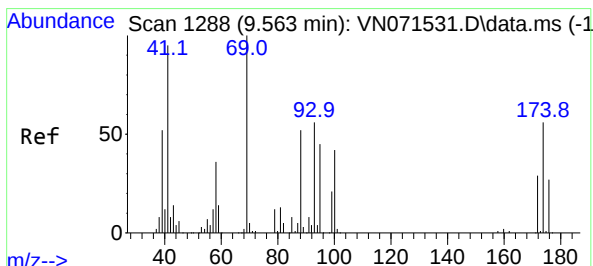
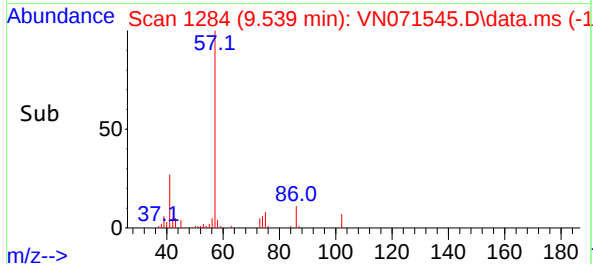
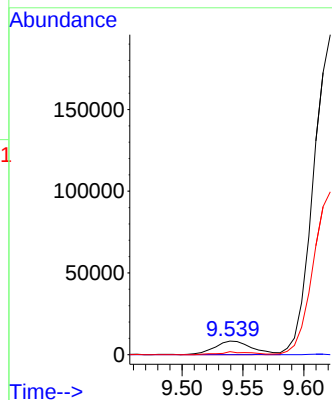
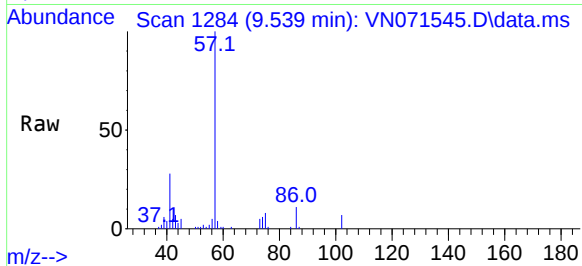




#48
Methyl methacrylate
Concen: 1.946 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.018 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

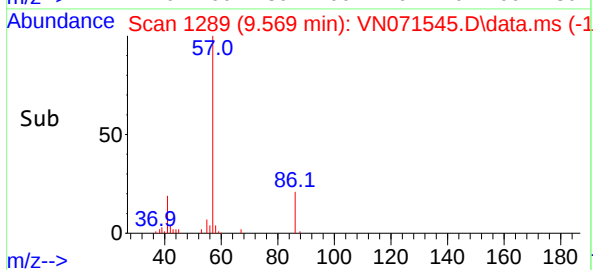
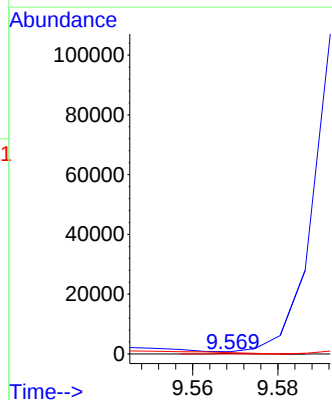
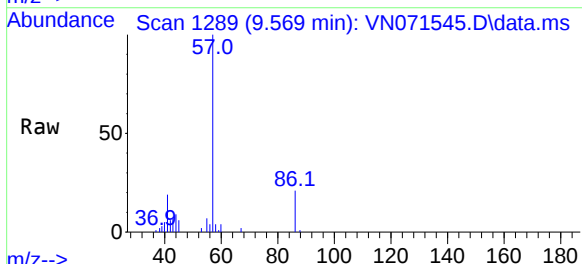
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#04

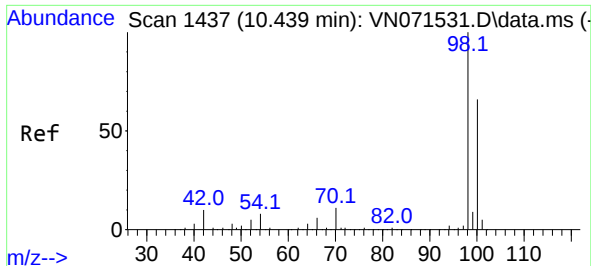
Tgt Ion: 41 Resp: 18165
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 0.246 ug/l
RT: 9.569 min Scan# 1289
Delta R.T. 0.006 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#

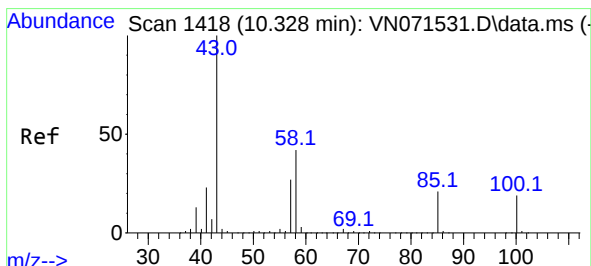
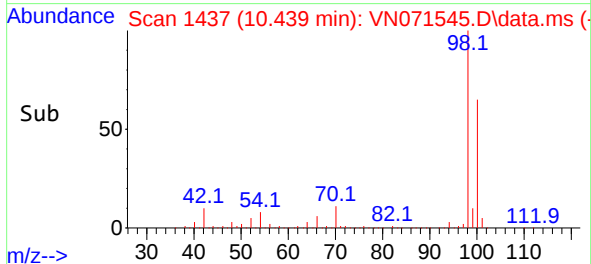
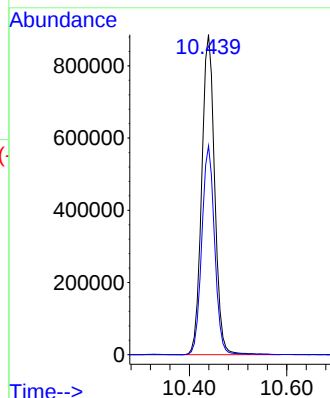
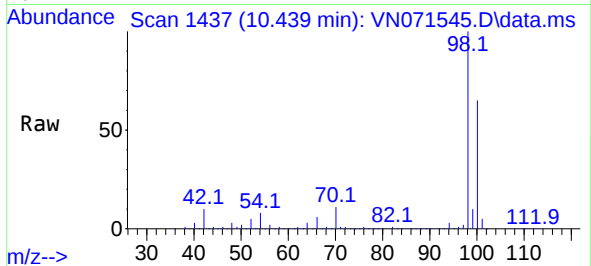




#50
Toluene-d8
Concen: 49.157 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

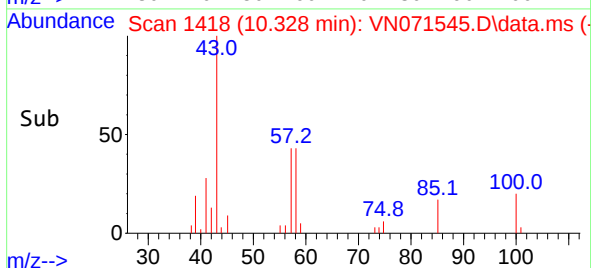
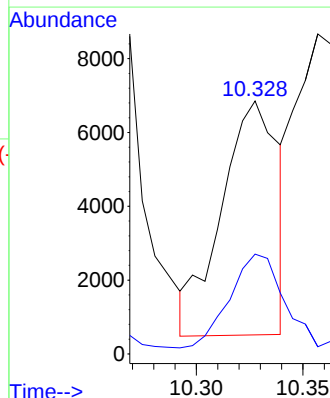
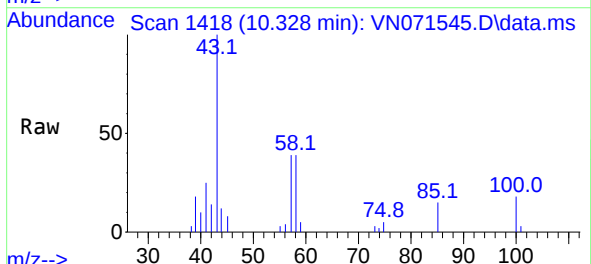
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#04

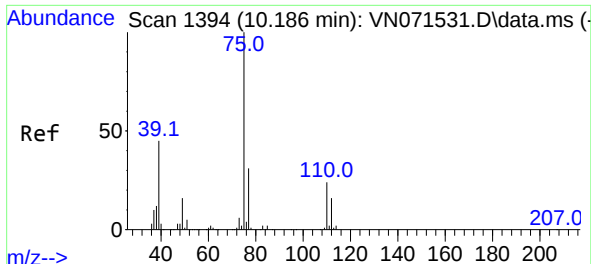
Tgt Ion: 98 Resp: 1631624
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.909 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Tgt Ion: 43 Resp: 11770
Ion Ratio Lower Upper
43 100
58 44.8 34.1 51.1

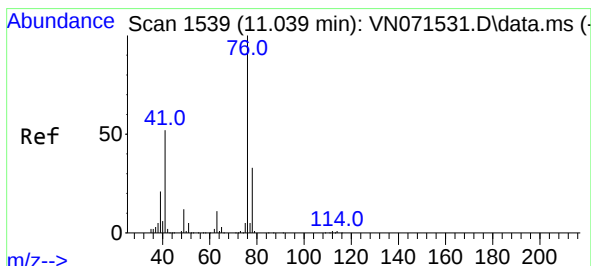
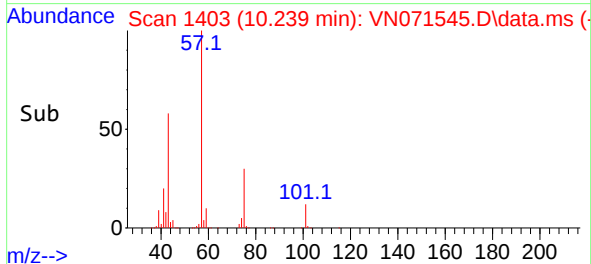
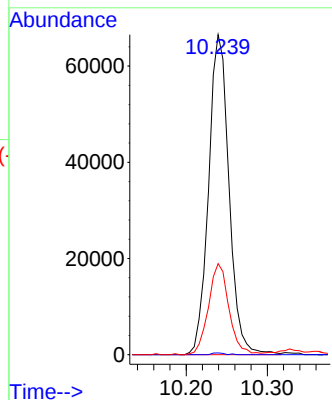
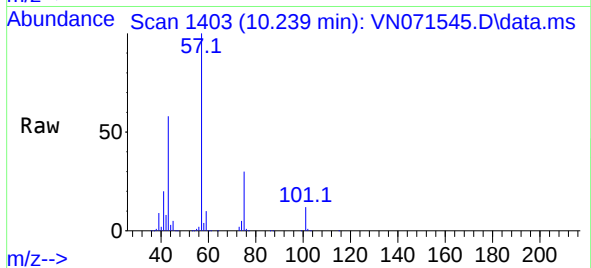




#54
cis-1,3-Dichloropropene
Concen: 8.033 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

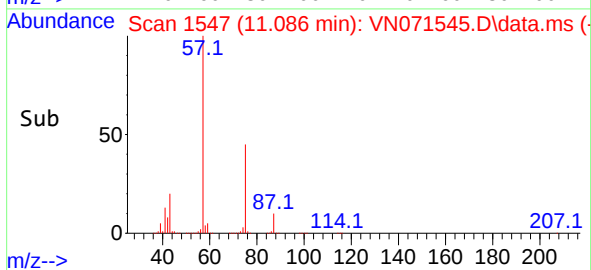
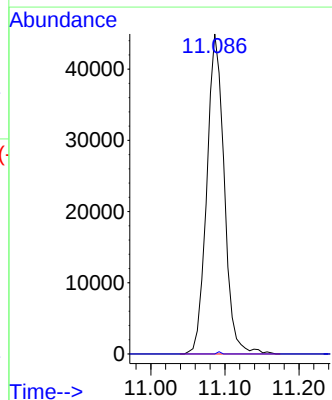
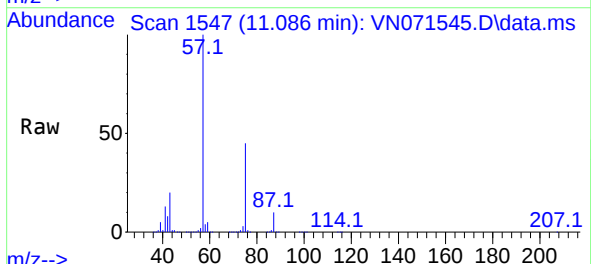
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#04

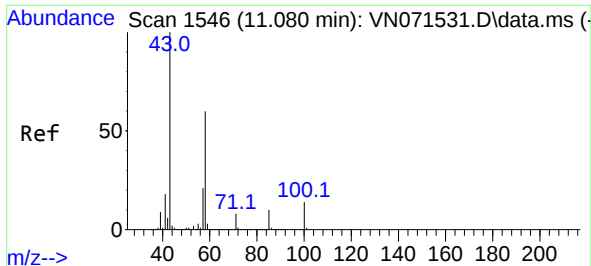
Tgt Ion: 75 Resp: 116258
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 28.5 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 4.661 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Tgt Ion: 76 Resp: 73493
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#

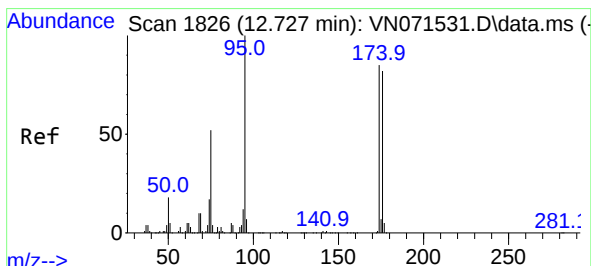
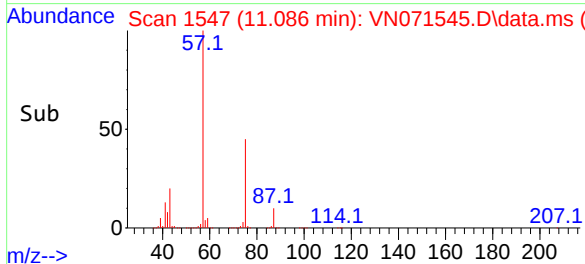
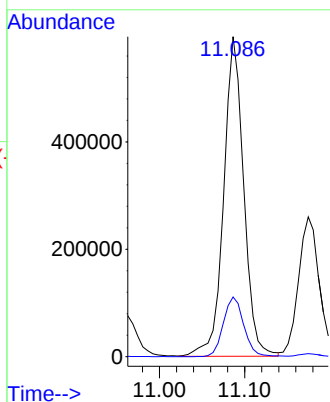
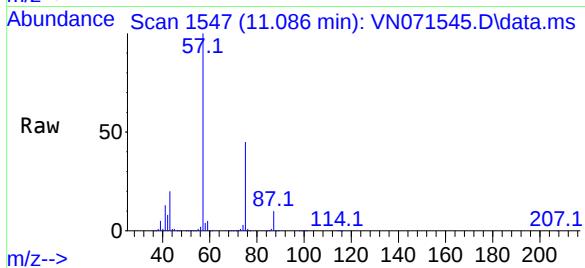




#59
2-Hexanone
Concen: 104.559 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

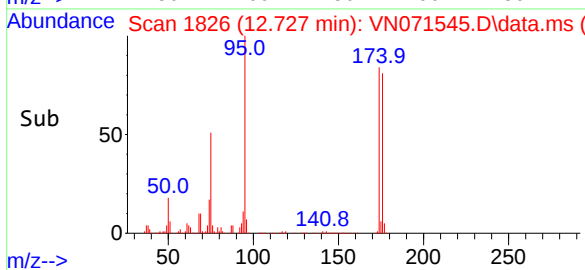
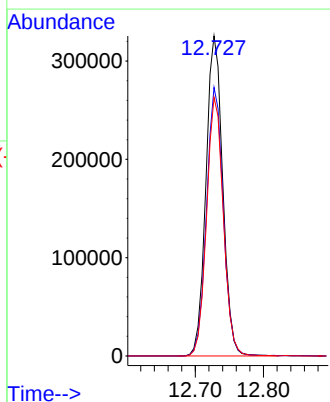
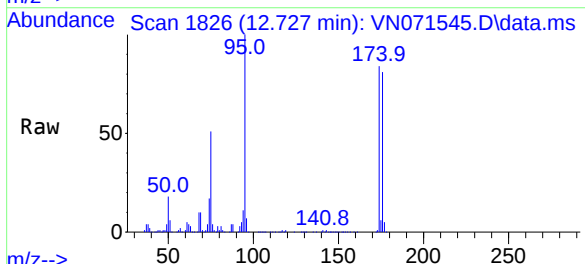
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#04

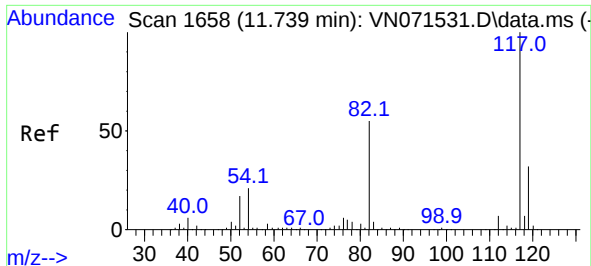
Tgt Ion: 43 Resp: 975940
Ion Ratio Lower Upper
43 100
58 19.1 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 51.197 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Tgt Ion: 95 Resp: 556811
Ion Ratio Lower Upper
95 100
174 84.1 0.0 167.6
176 80.8 0.0 163.4

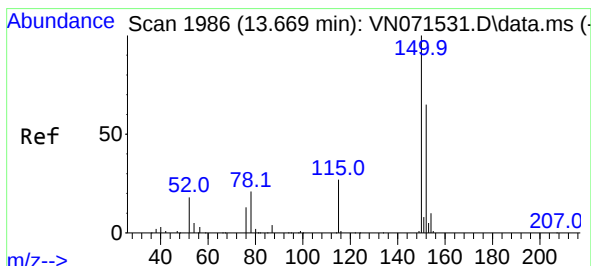
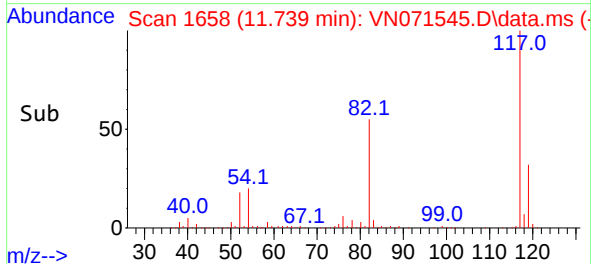
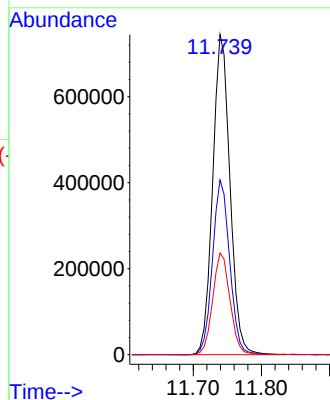
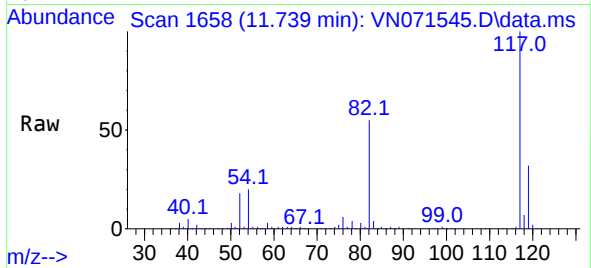




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

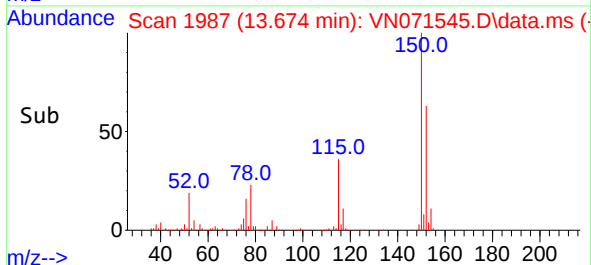
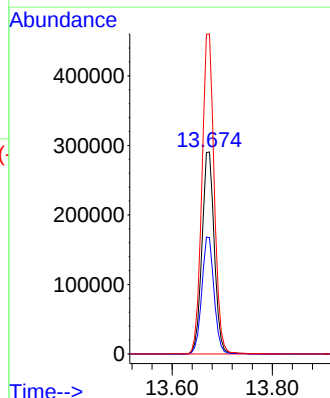
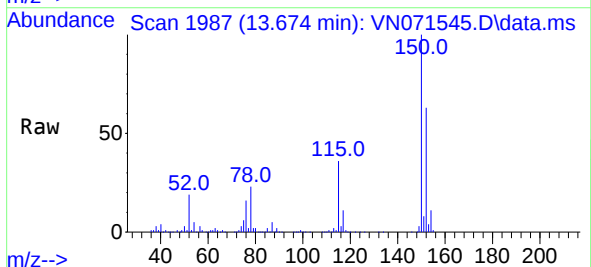
Instrument :
MSVOA_N
ClientSampleId :
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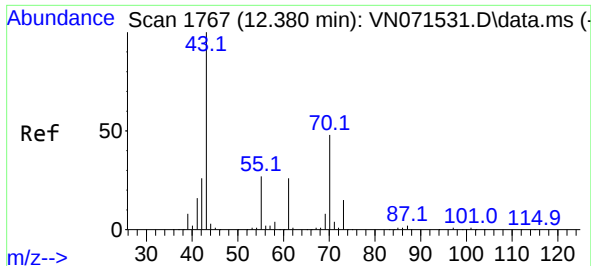
Tgt Ion:117 Resp: 1314152
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Tgt Ion:152 Resp: 495166
Ion Ratio Lower Upper
152 100
115 57.7 28.9 86.7
150 158.1 0.0 356.2

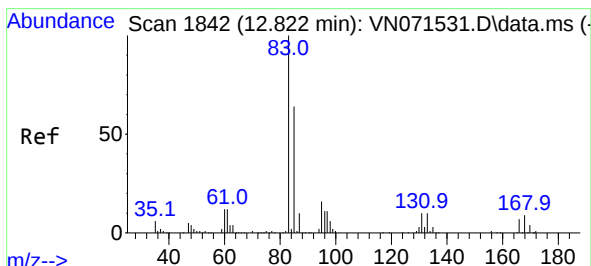
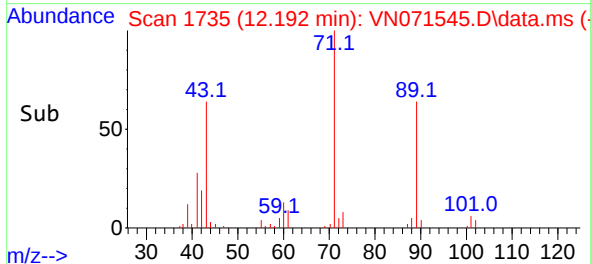
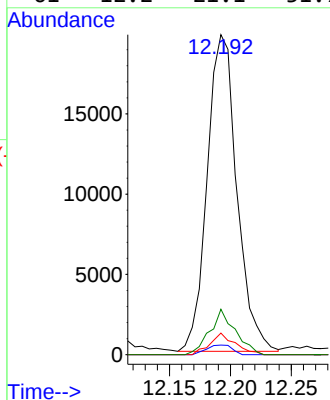
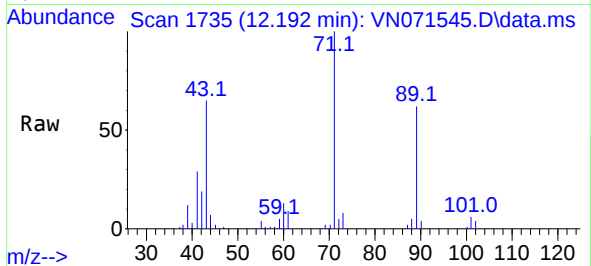




#74
N-amy1 acetate
Concen: 2.388 ug/l
RT: 12.192 min Scan# 1
Delta R.T. -0.188 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

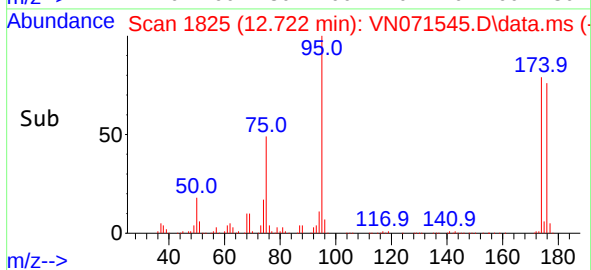
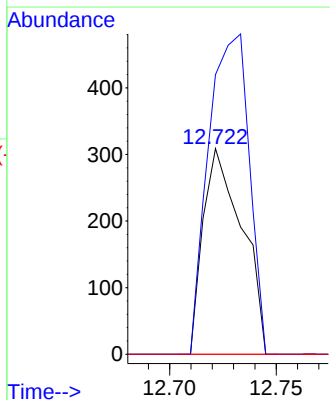
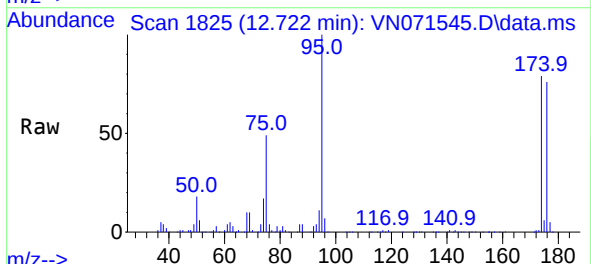
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#04

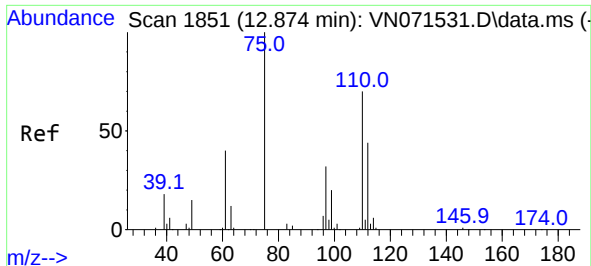
Tgt Ion:	43	Resp:	33514
Ion	Ratio	Lower	Upper
43	100		
70	2.6	39.0	58.4#
55	5.7	21.1	31.7#
61	12.2	21.1	31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.722 min Scan# 1825
Delta R.T. -0.100 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Tgt Ion:	83	Resp:	393
Ion	Ratio	Lower	Upper
83	100		
131	162.6	5.3	15.9#
85	0.0	32.3	96.9#

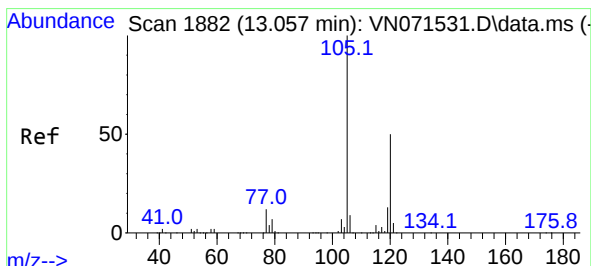
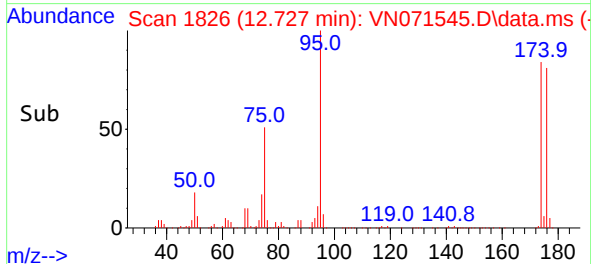
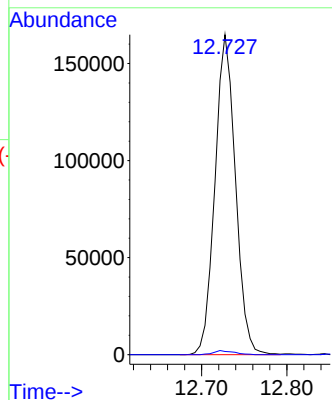
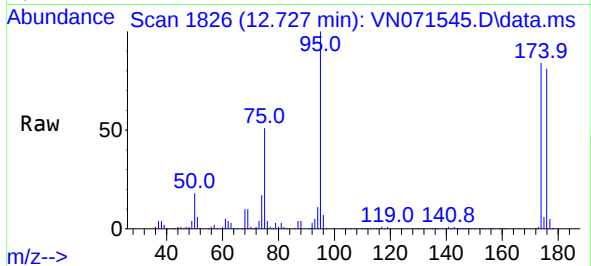




#76
1,2,3-Trichloropropane
Concen: 24.979 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

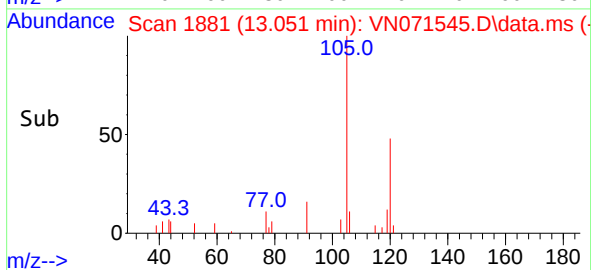
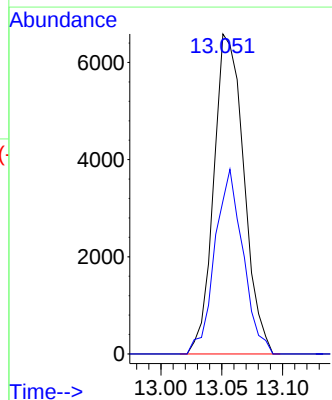
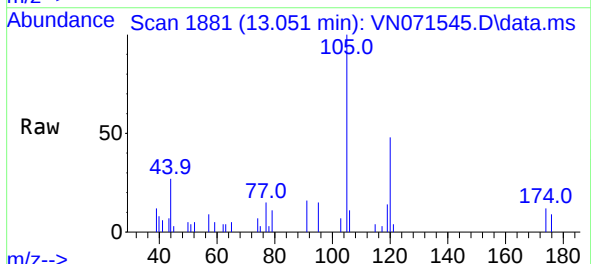
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#04

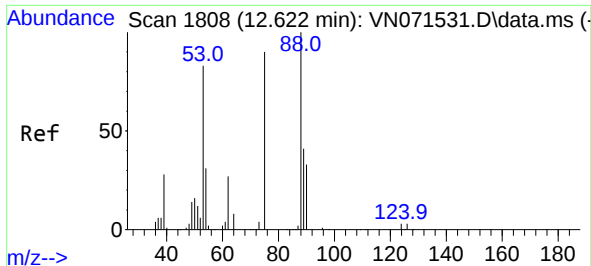
Tgt Ion: 75 Resp: 275803
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.329 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.006 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Tgt Ion: 105 Resp: 11333
Ion Ratio Lower Upper
105 100
120 54.0 24.9 74.7

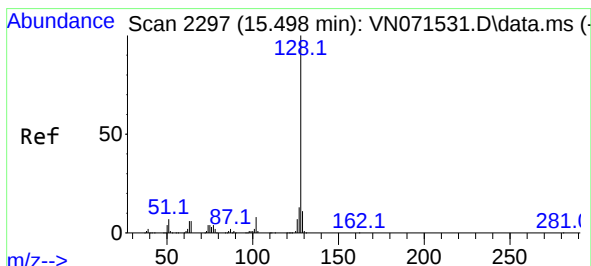
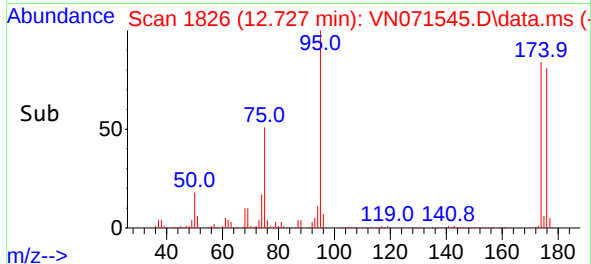
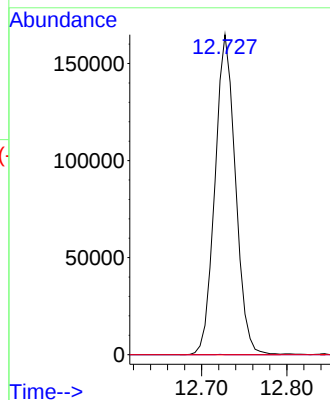
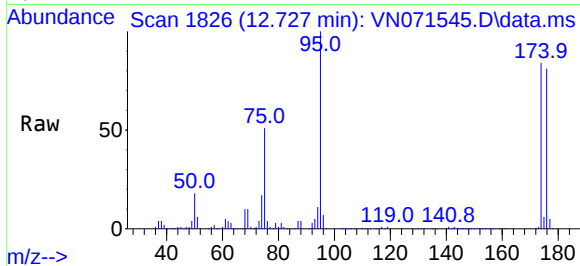




#81
trans-1,4-Dichloro-2-butene
Concen: 66.875 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#04

Tgt Ion: 75 Resp: 275803
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.289 ug/l
RT: 15.510 min Scan# 2299
Delta R.T. 0.012 min
Lab File: VN071545.D
Acq: 25 Mar 2022 14:16

Tgt Ion:128 Resp: 2009
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 3.5 8.6 13.0#

