

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071573.D
 Acq On : 26 Mar 2022 15:15
 Operator : JC\MD
 Sample : VN0326WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBL02

Quant Time: Mar 28 02:17:36 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)

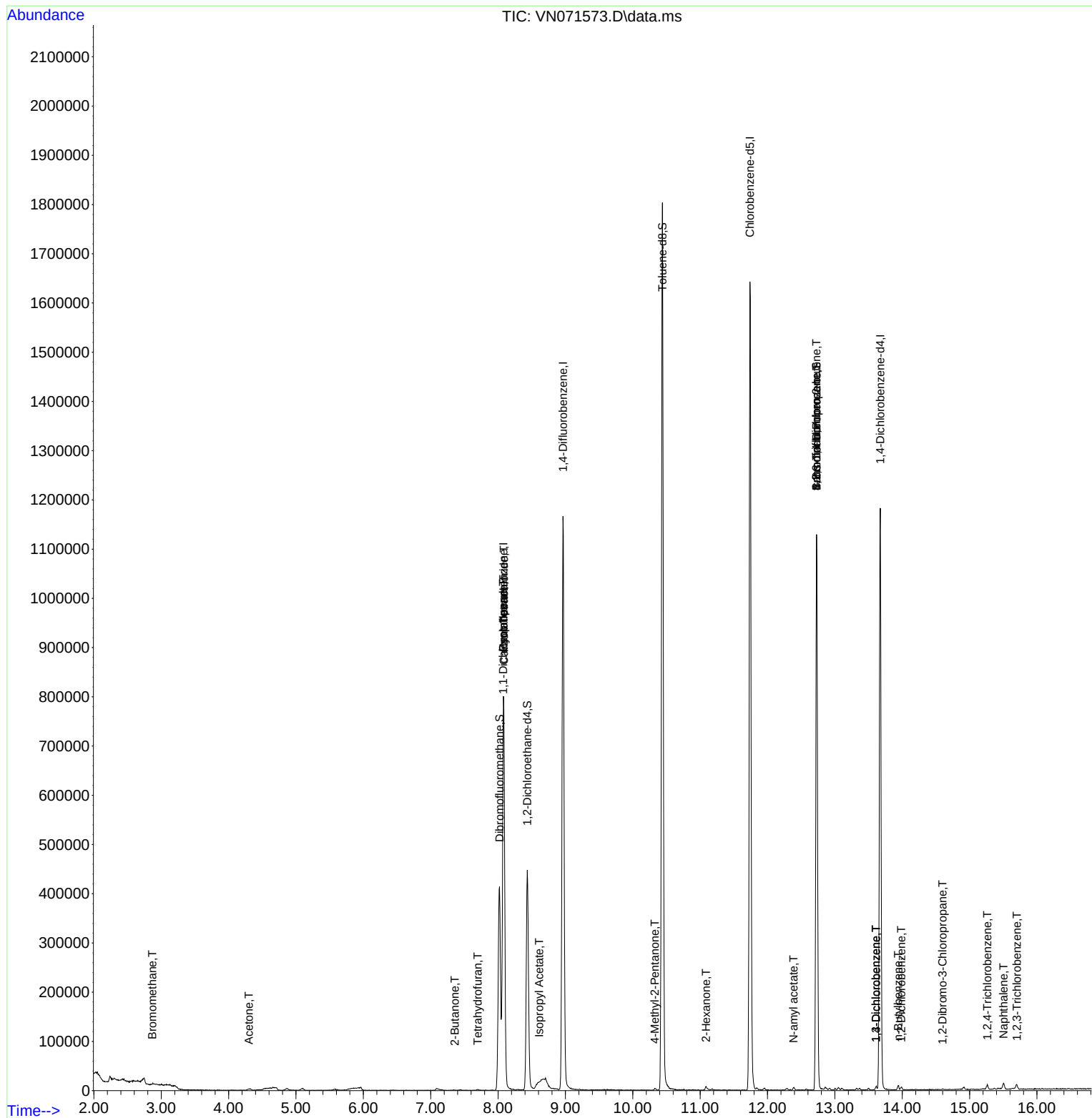
Internal Standards						
1) Pentafluorobenzene	8.080	168	654002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1081439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1027451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	348860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	378968	46.640	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.280%		
35) Dibromofluoromethane	8.022	113	312394	45.964	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.920%		
50) Toluene-d8	10.439	98	1314641	47.955	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.920%		
62) 4-Bromofluorobenzene	12.727	95	404899	45.076	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.160%		
Target Compounds						Qvalue
3) Chloromethane	2.304	50	1636	Below Cal		95
5) Bromomethane	2.869	94	2030	0.418 ug/l		97
16) Acetone	4.298	43	3349	1.006 ug/l #		67
18) Methyl Acetate	4.869	43	8305	Below Cal #		76
25) 2-Butanone	7.357	43	1316	0.246 ug/l #		45
29) Tetrahydrofuran	7.698	42	1161	0.327 ug/l #		57
31) Cyclohexane	8.080	56	12233	1.052 ug/l #		9
36) 1,1-Dichloropropene	8.075	75	45078	4.600 ug/l #		48
38) Carbon Tetrachloride	8.086	117	58471	6.121 ug/l #		18
43) Isopropyl Acetate	8.610	43	18089	0.657 ug/l #		53
51) 4-Methyl-2-Pentanone	10.327	43	3380	0.316 ug/l #		75
59) 2-Hexanone	11.086	43	6879	0.892 ug/l		80
71) Bromoform	12.727	173	2589	0.427 ug/l #		1
74) N-amyl acetate	12.386	43	3418	0.346 ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.827	83	831	Below Cal #		80
76) 1,2,3-Trichloropropane	12.727	75	199985	25.708 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.727	75	199985	68.827 ug/l #		10
87) 1,3-Dichlorobenzene	13.610	146	2572	0.207 ug/l		93
88) 1,4-Dichlorobenzene	13.610	146	2572	0.209 ug/l		93
89) n-Butylbenzene	13.939	91	5860	0.330 ug/l		92
91) 1,2-Dichlorobenzene	13.986	146	2922	0.245 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	399	0.219 ug/l		90
93) 1,2,4-Trichlorobenzene	15.262	180	3686	0.667 ug/l		90
95) Naphthalene	15.504	128	13044	3.902 ug/l #		92
96) 1,2,3-Trichlorobenzene	15.704	180	4510	0.823 ug/l		92

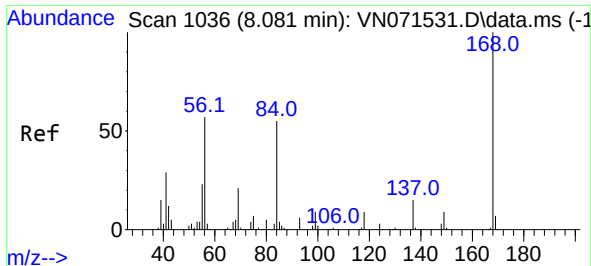
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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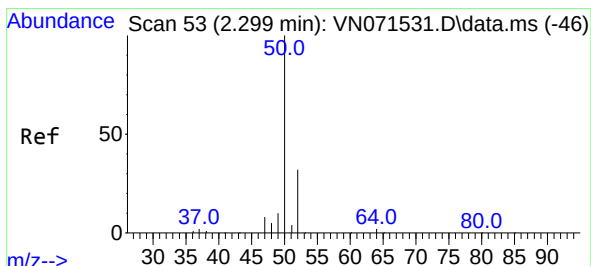
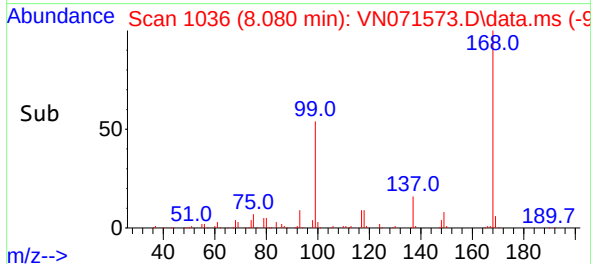
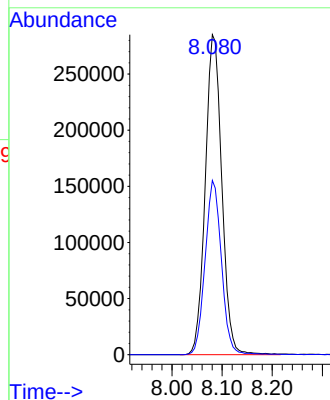
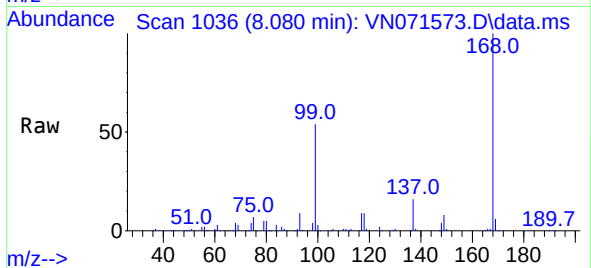




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

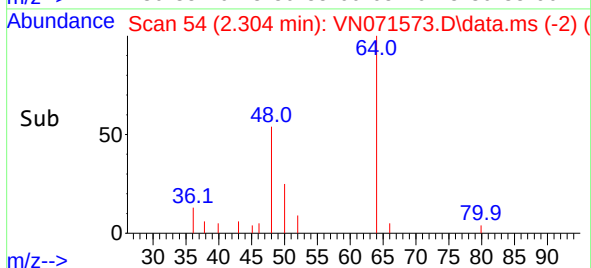
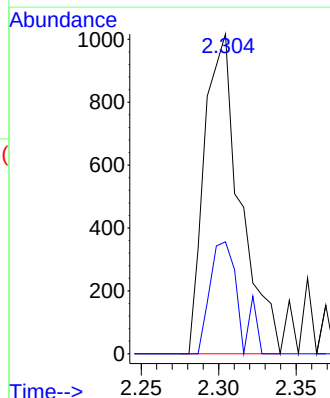
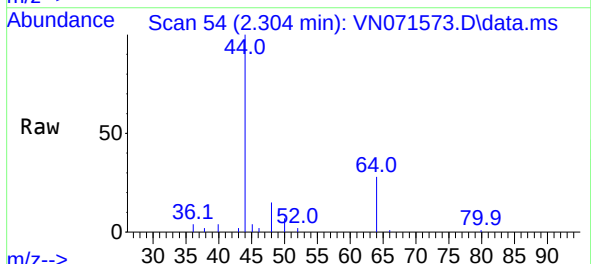
Instrument :
MSVOA_N
ClientSampleId :
VN0326WBL02

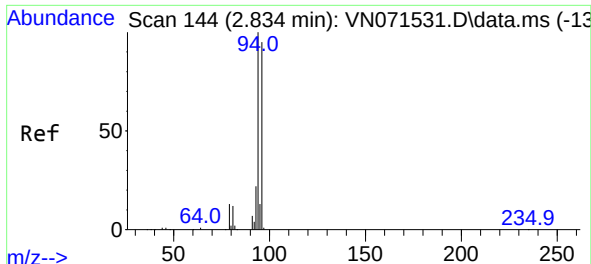
Tgt Ion:168 Resp: 654002
Ion Ratio Lower Upper
168 100
99 54.4 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

Tgt Ion: 50 Resp: 1636
Ion Ratio Lower Upper
50 100
52 35.0 25.7 38.5

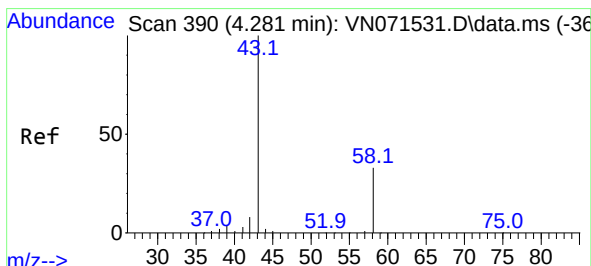
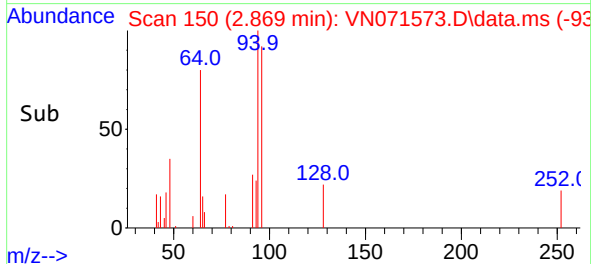
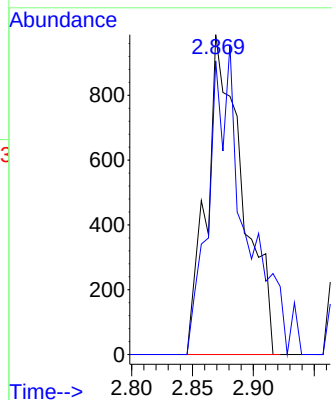
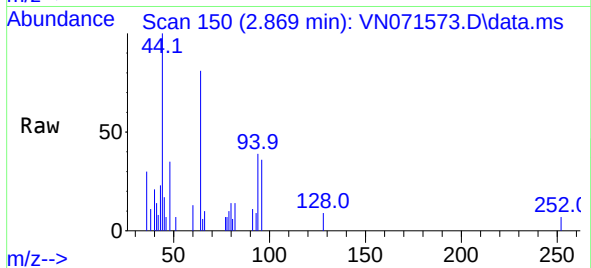




#5
Bromomethane
Concen: 0.418 ug/l
RT: 2.869 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

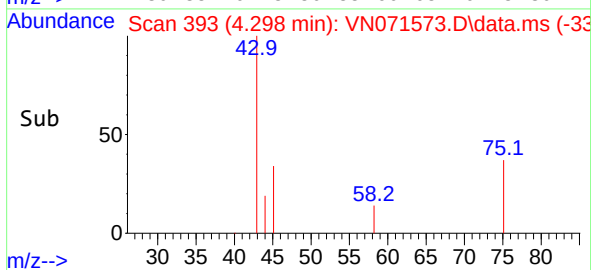
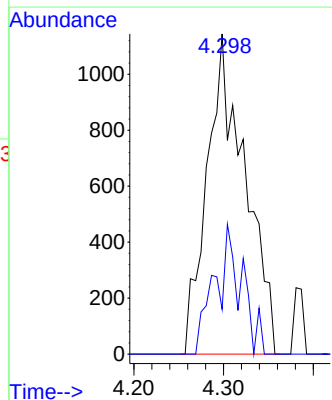
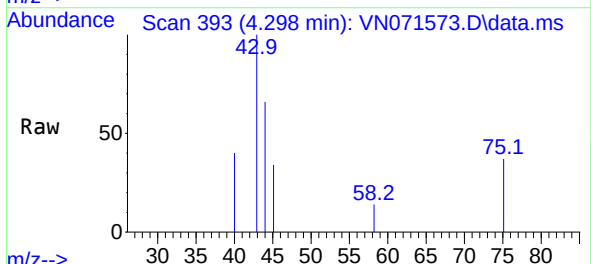
Instrument :
MSVOA_N
ClientSampleId :
VN0326WBL02

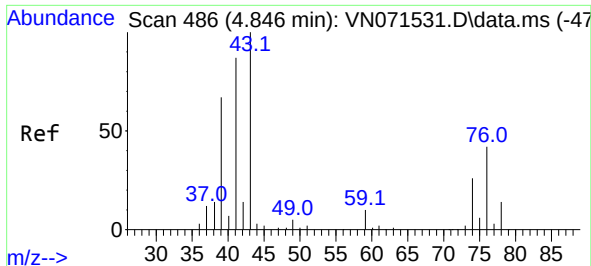
Tgt Ion: 94 Resp: 2030
Ion Ratio Lower Upper
94 100
96 91.8 76.0 114.0



#16
Acetone
Concen: 1.006 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.017 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

Tgt Ion: 43 Resp: 3349
Ion Ratio Lower Upper
43 100
58 14.0 26.0 39.0#

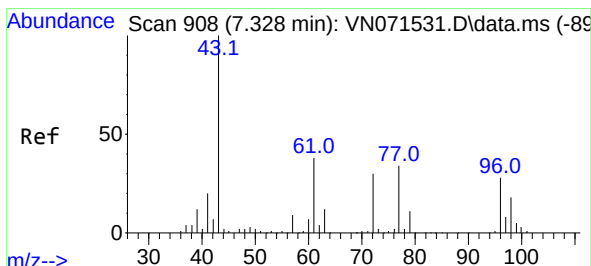
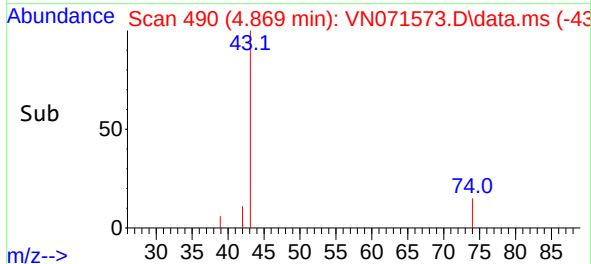
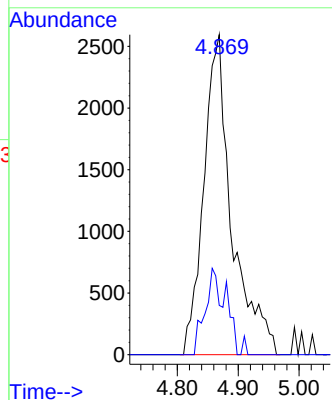
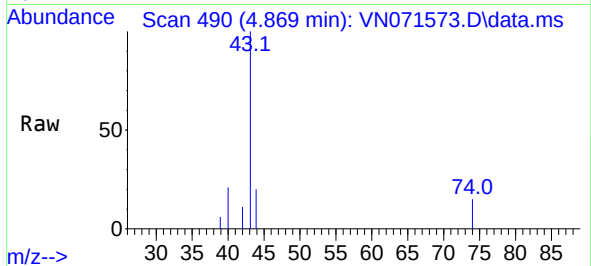




#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 490
Delta R.T. 0.023 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

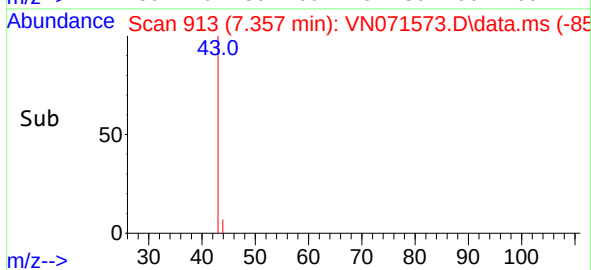
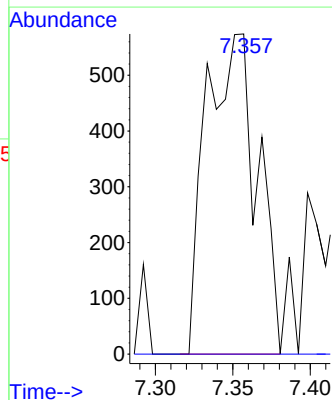
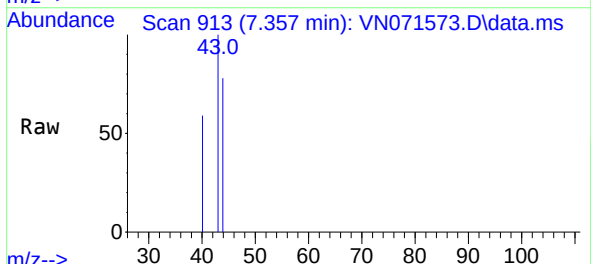
Instrument :
MSVOA_N
ClientSampleId :
VN0326WBL02

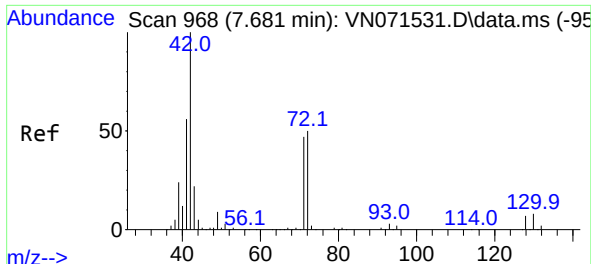
Tgt Ion: 43 Resp: 8305
Ion Ratio Lower Upper
43 100
74 14.5 21.6 32.4#



#25
2-Butanone
Concen: 0.246 ug/l
RT: 7.357 min Scan# 913
Delta R.T. 0.029 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

Tgt Ion: 43 Resp: 1316
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

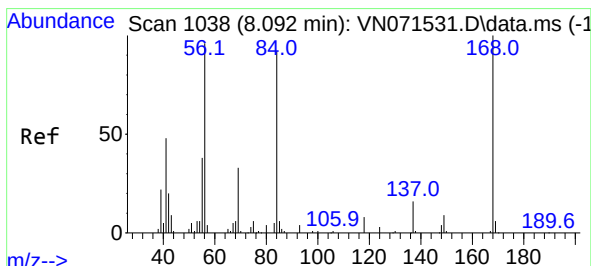
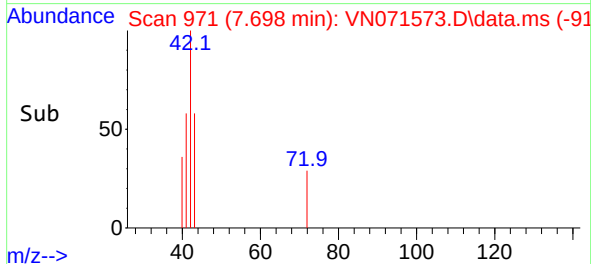
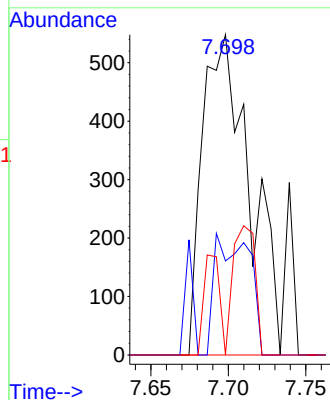
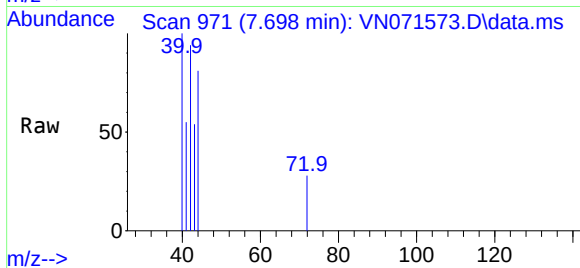




#29
Tetrahydrofuran
Concen: 0.327 ug/l
RT: 7.698 min Scan# 91
Delta R.T. 0.017 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

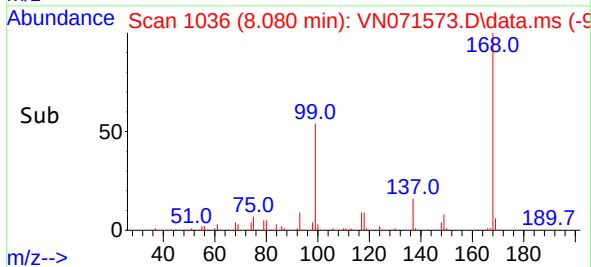
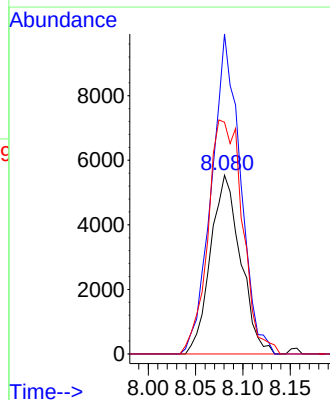
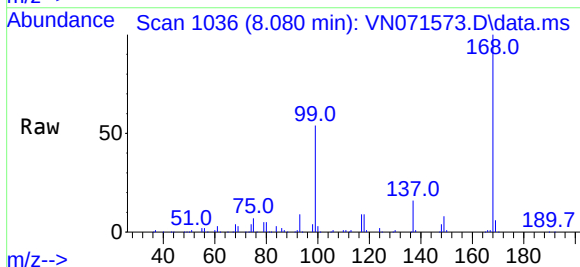
Instrument :
MSVOA_N
ClientSampleId :
VN0326WBL02

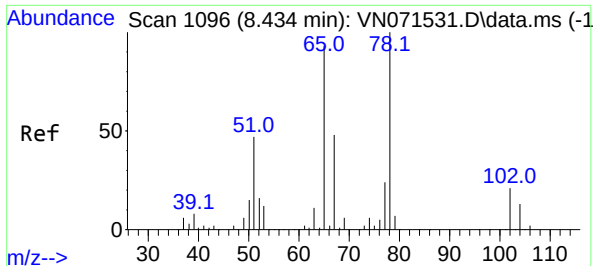
Tgt Ion:	42	Resp:	1161
Ion	Ratio	Lower	Upper
42	100		
72	27.5	39.7	59.5#
71	10.3	36.6	55.0#



#31
Cyclohexane
Concen: 1.052 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

Tgt Ion:	56	Resp:	12233
Ion	Ratio	Lower	Upper
56	100		
69	179.1	27.8	41.8#
84	129.6	76.9	115.3#

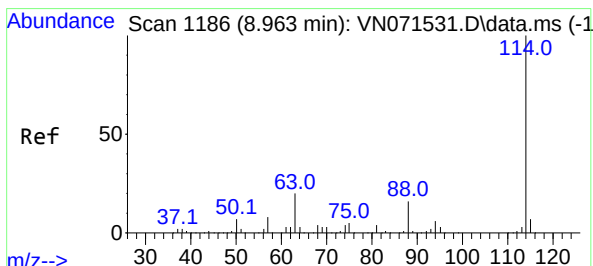
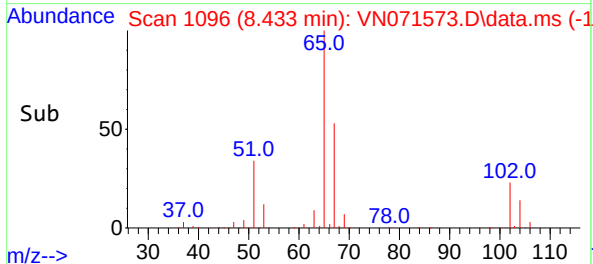
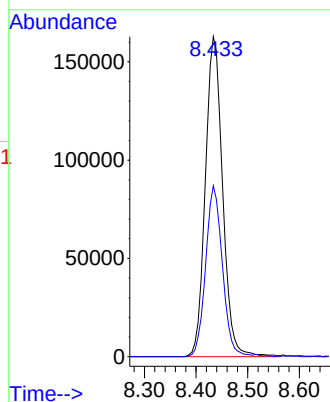
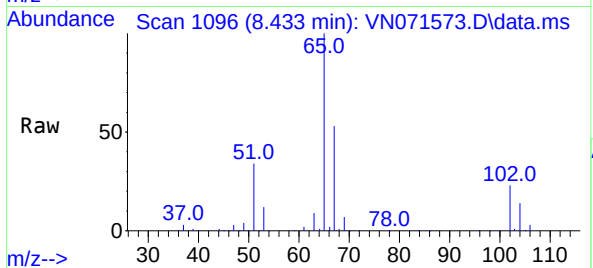




#33
 1,2-Dichloroethane-d4
 Concen: 46.640 ug/l
 RT: 8.433 min Scan# 1096
 Delta R.T. -0.000 min
 Lab File: VN071573.D
 Acq: 26 Mar 2022 15:15

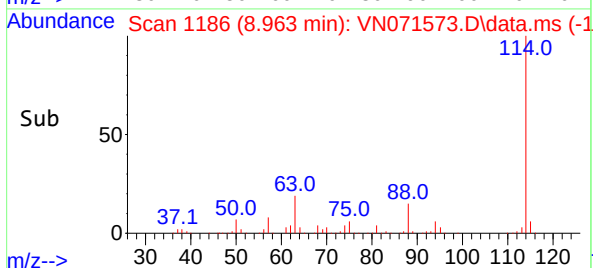
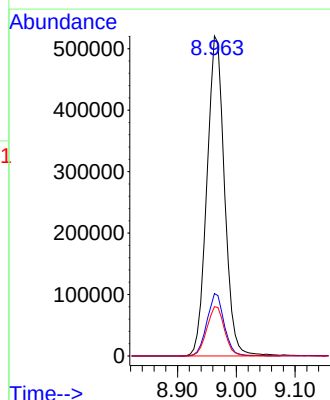
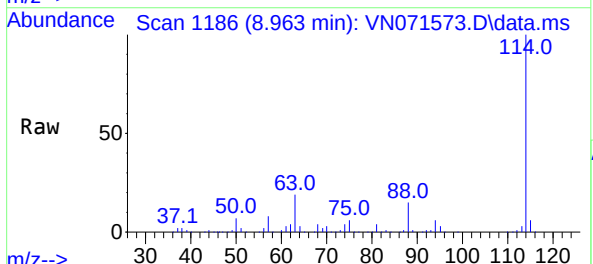
Instrument :
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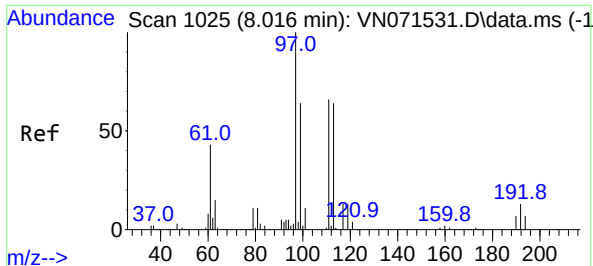
Tgt Ion: 65 Resp: 378968
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.963 min Scan# 1186
 Delta R.T. -0.000 min
 Lab File: VN071573.D
 Acq: 26 Mar 2022 15:15

Tgt Ion: 114 Resp: 1081439
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.4 0.0 32.6

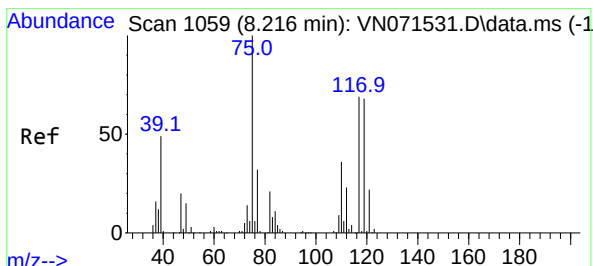
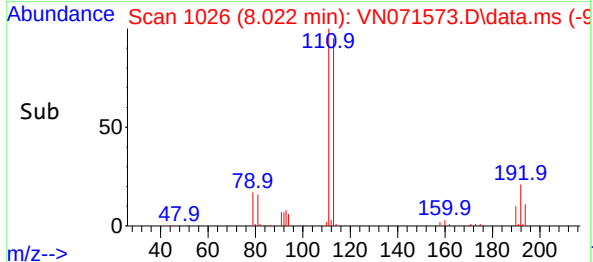
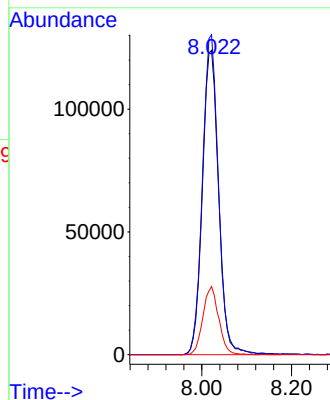
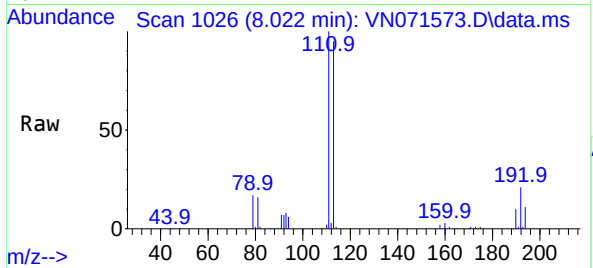




#35
Dibromofluoromethane
Concen: 45.964 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

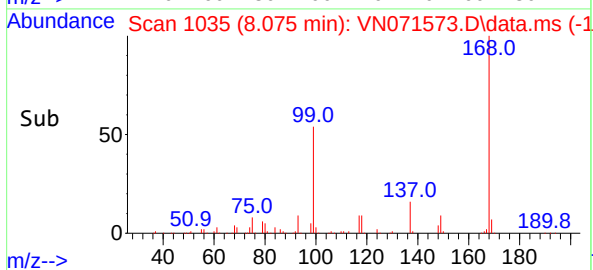
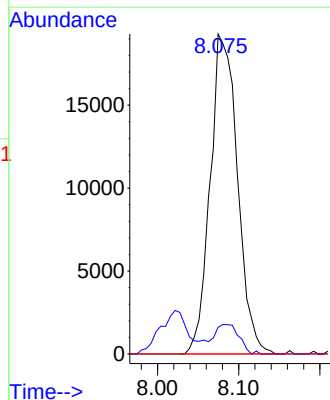
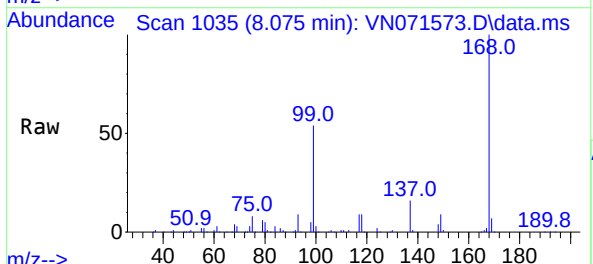
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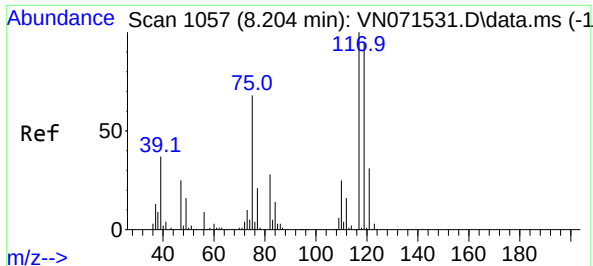
Tgt Ion:113 Resp: 312394
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.0
192 21.7 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.600 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.141 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

Tgt Ion: 75 Resp: 45078
Ion Ratio Lower Upper
75 100
110 8.1 18.3 54.8#
77 0.0 25.1 37.7#

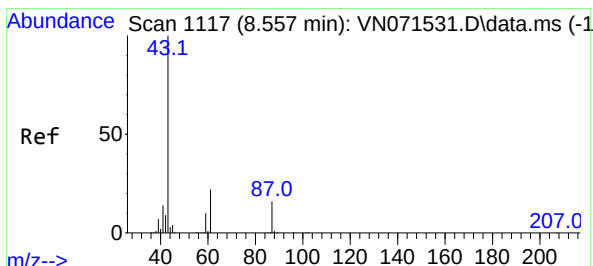
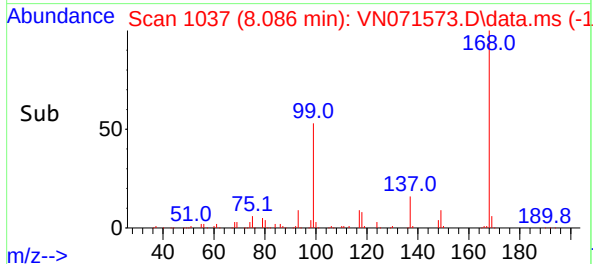
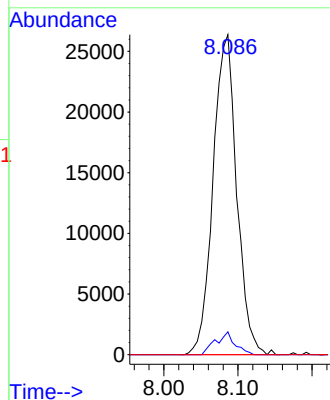
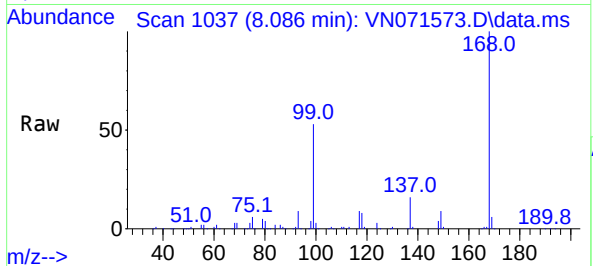




#38
Carbon Tetrachloride
Concen: 6.121 ug/l
RT: 8.086 min Scan# 110
Delta R.T. -0.118 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

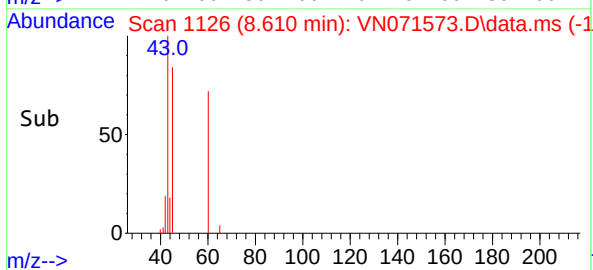
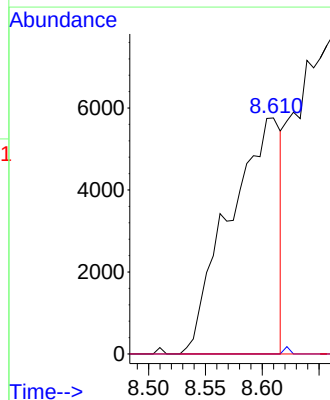
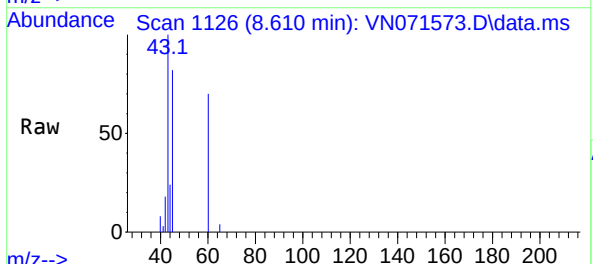
Instrument :
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VN0326WBL02

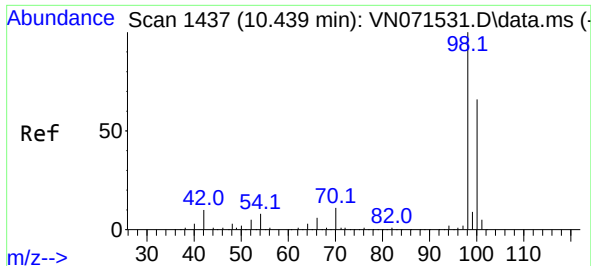
Tgt Ion:117 Resp: 58471
Ion Ratio Lower Upper
117 100
119 7.2 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.657 ug/l
RT: 8.610 min Scan# 1126
Delta R.T. 0.053 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

Tgt Ion: 43 Resp: 18089
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

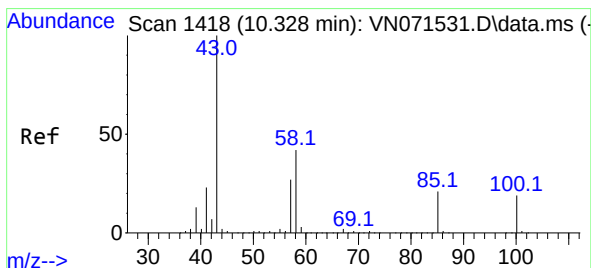
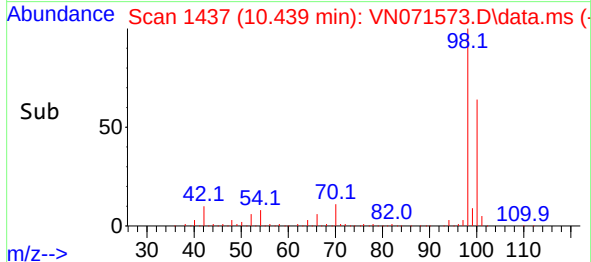
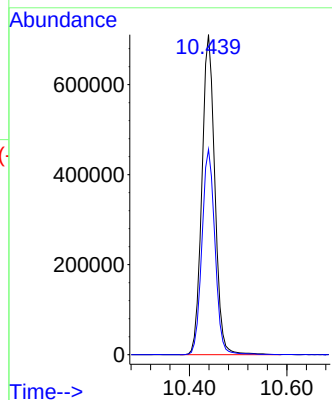
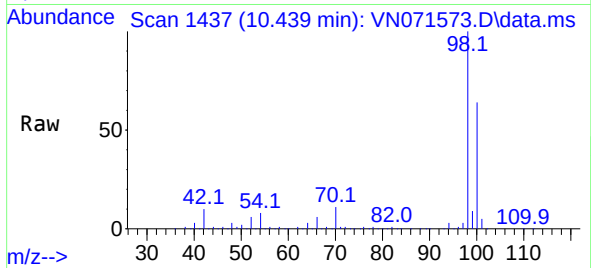




#50
Toluene-d8
Concen: 47.955 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

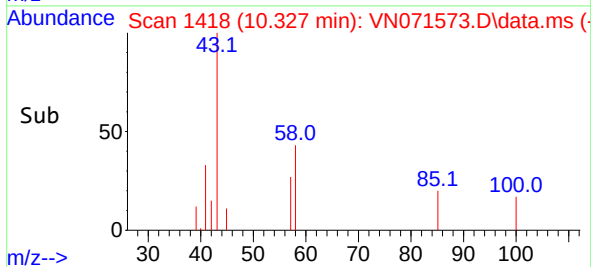
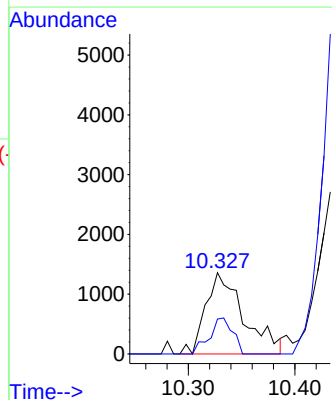
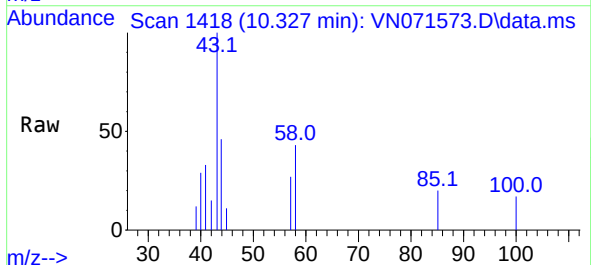
Instrument :
MSVOA_N
ClientSampleId :
VN0326WBL02

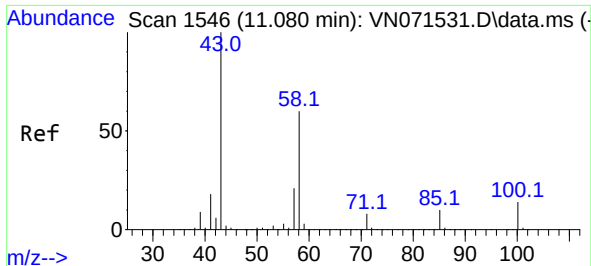
Tgt Ion: 98 Resp: 1314641
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.316 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

Tgt Ion: 43 Resp: 3380
Ion Ratio Lower Upper
43 100
58 26.9 34.1 51.1#

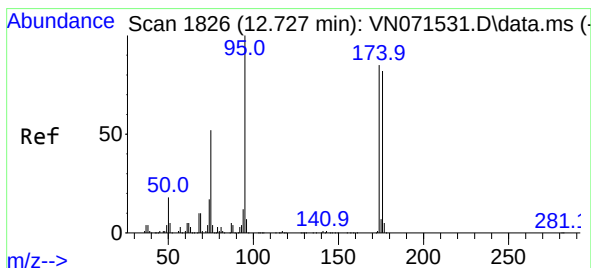
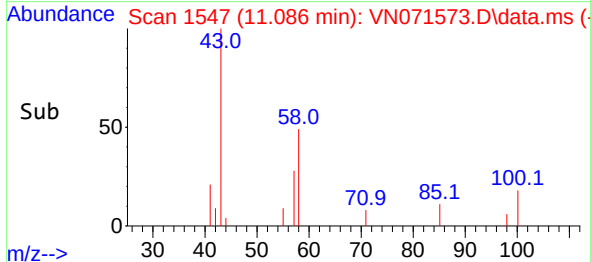
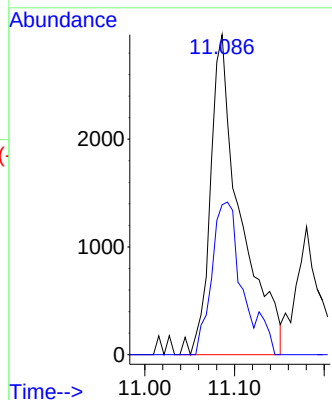
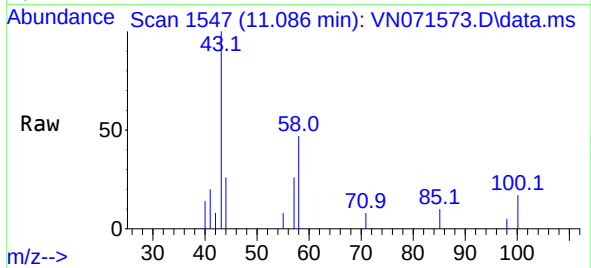




#59
2-Hexanone
Concen: 0.892 ug/l
RT: 11.086 min Scan# 1546
Delta R.T. 0.006 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

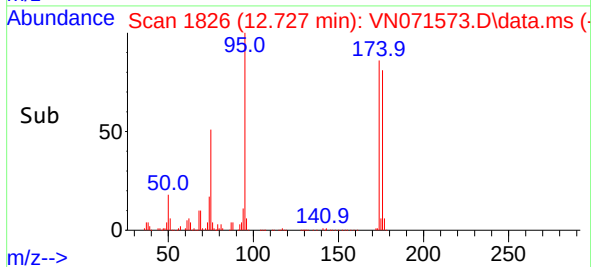
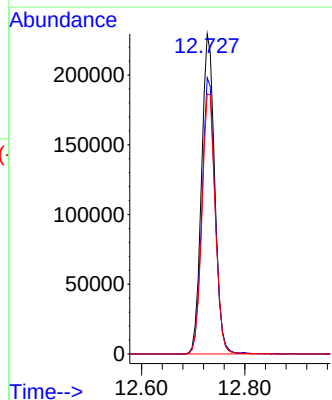
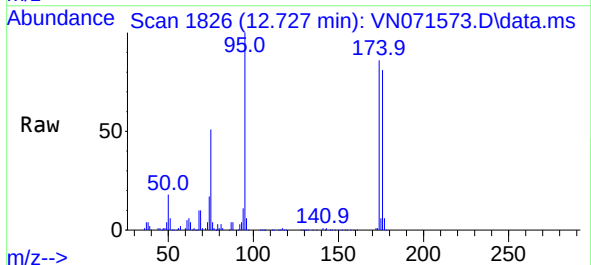
Instrument :
MSVOA_N
ClientSampleId :
VN0326WBL02

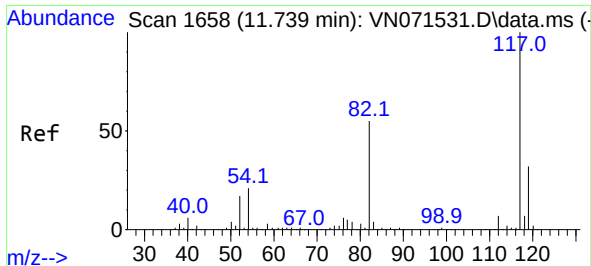
Tgt Ion: 43 Resp: 6879
Ion Ratio Lower Upper
43 100
58 44.5 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 45.076 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

Tgt Ion: 95 Resp: 404899
Ion Ratio Lower Upper
95 100
174 85.7 0.0 167.6
176 82.3 0.0 163.4

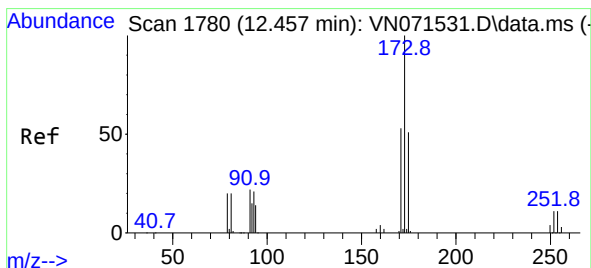
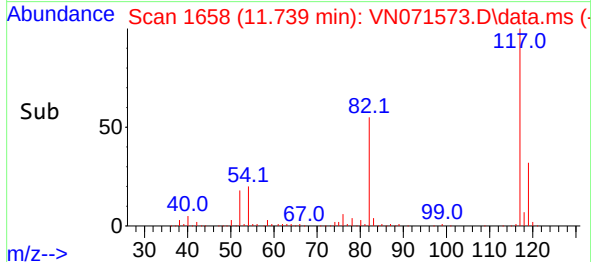
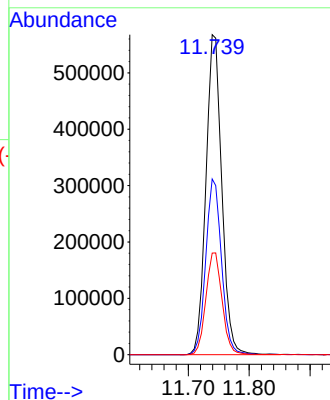
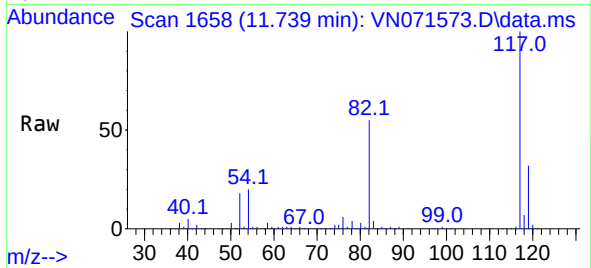




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

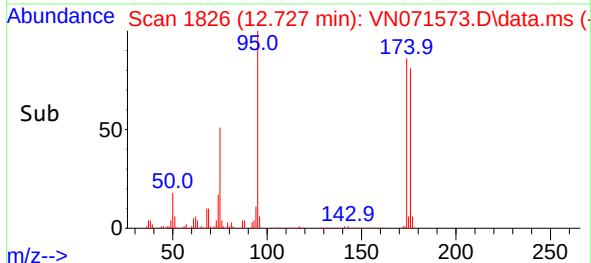
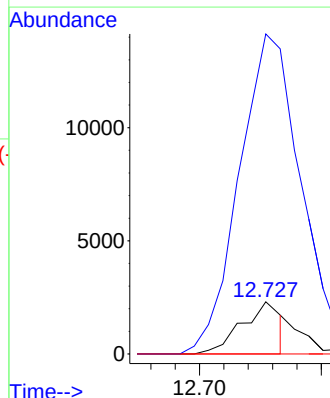
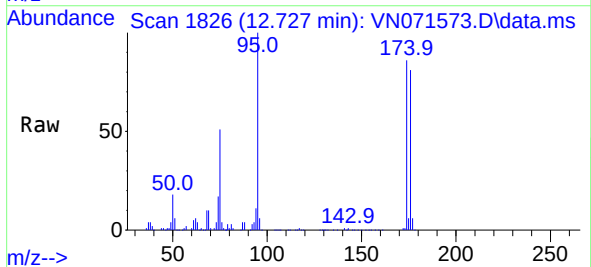
Instrument :
MSVOA_N
ClientSampleId :
VN0326WBL02

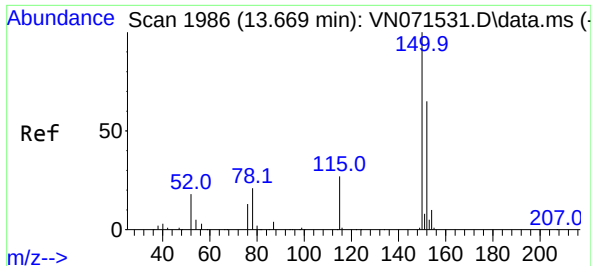
Tgt Ion:117 Resp: 1027451
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 31.8 25.4 38.0



#71
Bromoform
Concen: 0.427 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

Tgt Ion:173 Resp: 2589
Ion Ratio Lower Upper
173 100
175 696.9 24.6 73.6#
254 0.0 0.1 0.1#

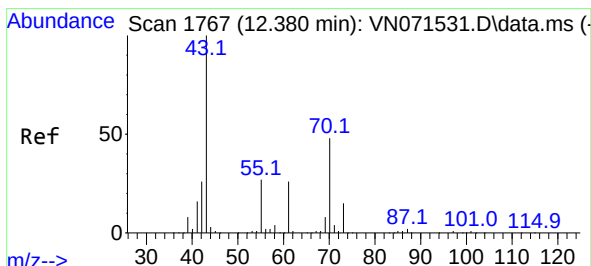
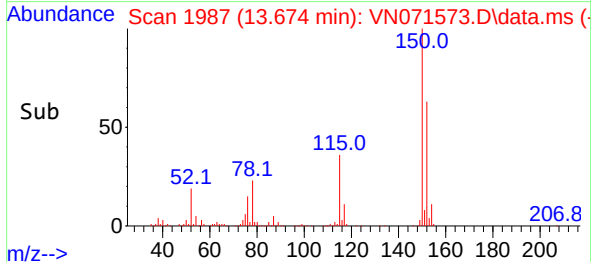
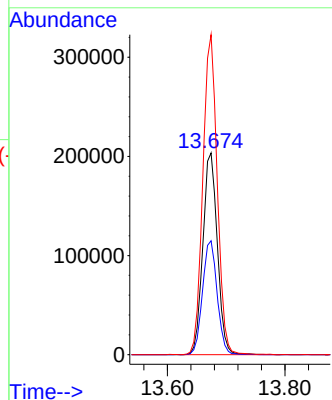
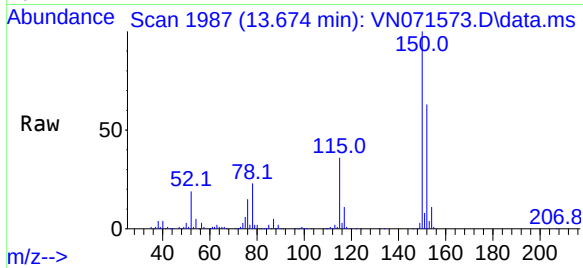




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

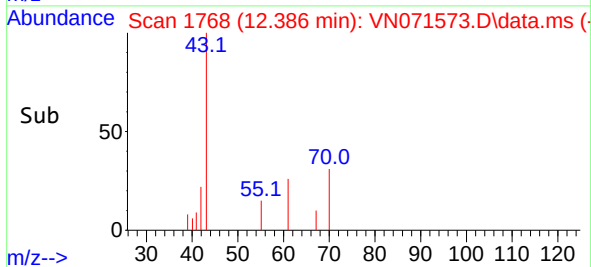
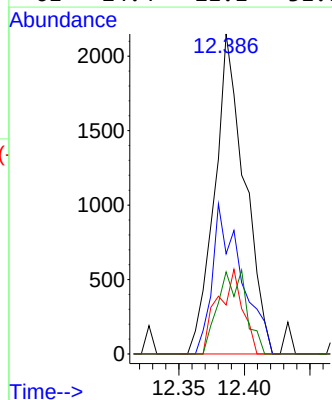
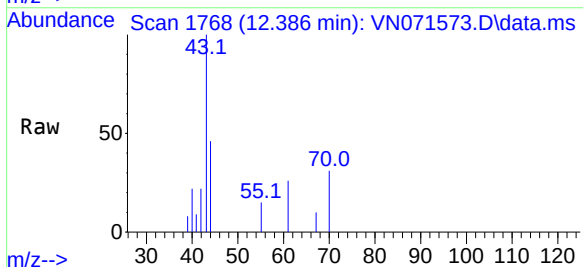
Instrument :
MSVOA_N
ClientSampleId :
VN0326WBL02

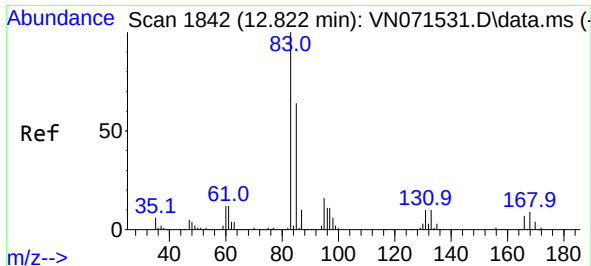
Tgt Ion:152 Resp: 348860
Ion Ratio Lower Upper
152 100
115 57.0 28.9 86.7
150 157.5 0.0 356.2



#74
N-ethyl acetate
Concen: 0.346 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.006 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

Tgt Ion: 43 Resp: 3418
Ion Ratio Lower Upper
43 100
70 45.5 39.0 58.4
55 21.8 21.1 31.7
61 24.4 21.1 31.7

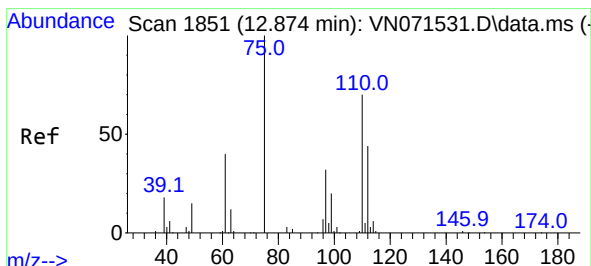
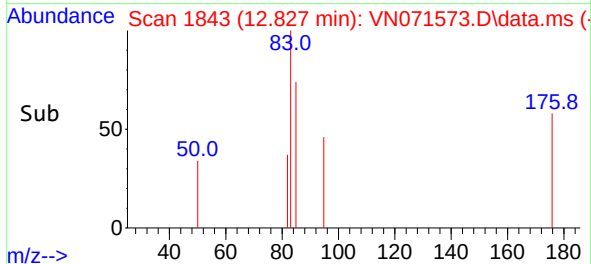
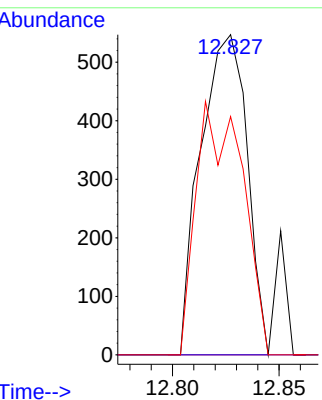
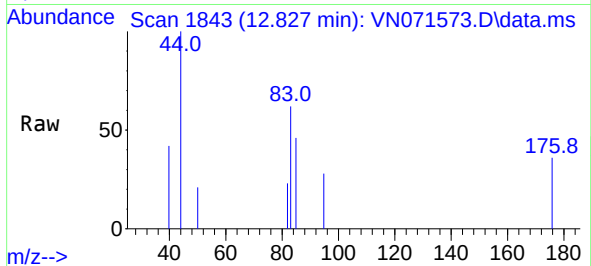




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.827 min Scan# 1842
Delta R.T. 0.005 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

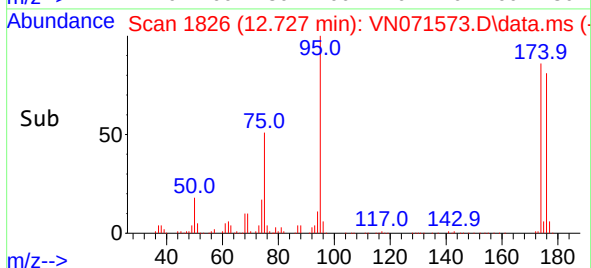
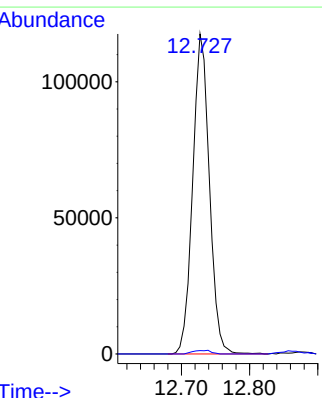
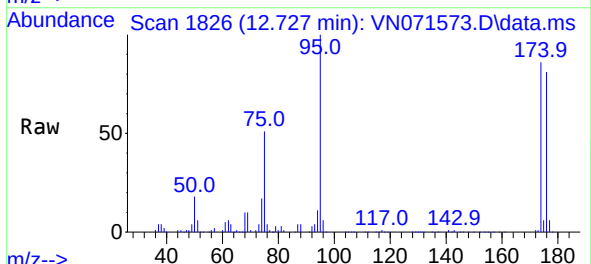
Instrument :
MSVOA_N
ClientSampleId :
VN0326WBL02

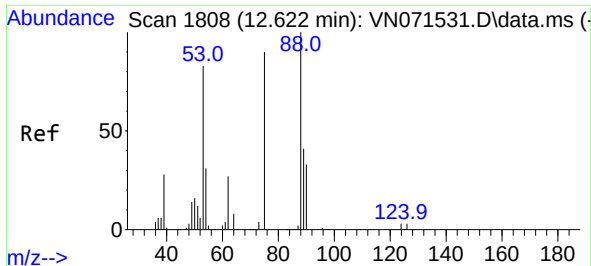
Tgt Ion: 83 Resp: 831
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 79.1 32.3 96.9



#76
1,2,3-Trichloropropane
Concen: 25.708 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

Tgt Ion: 75 Resp: 199985
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

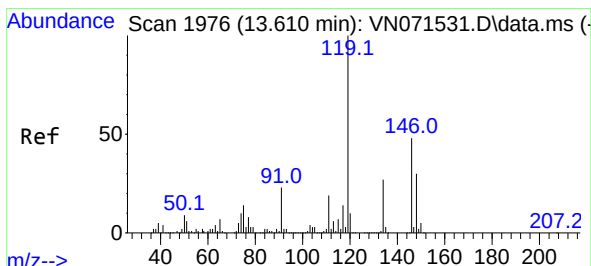
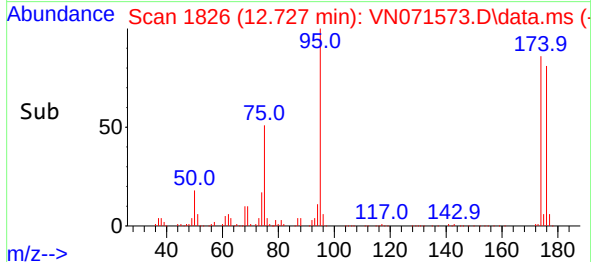
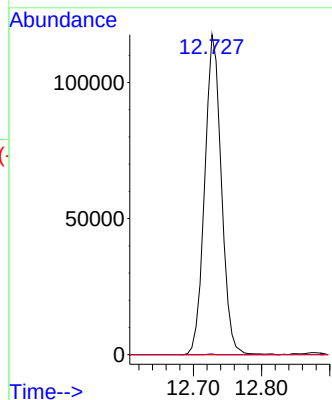
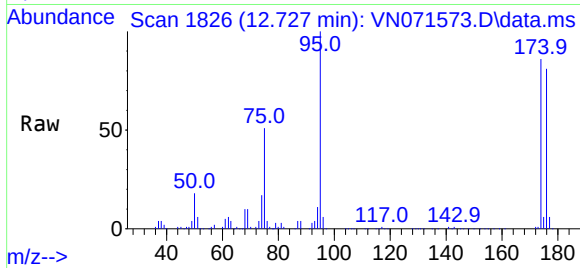




#81
trans-1,4-Dichloro-2-butene
Concen: 68.827 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

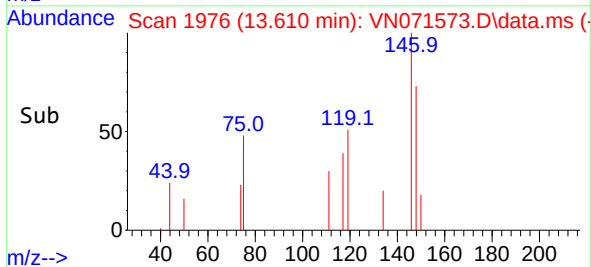
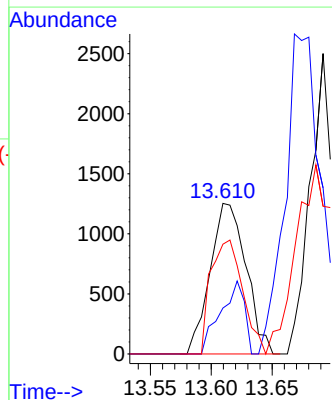
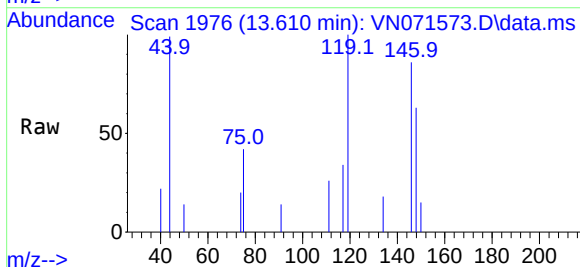
Instrument :
MSVOA_N
ClientSampleId :
VN0326WBL02

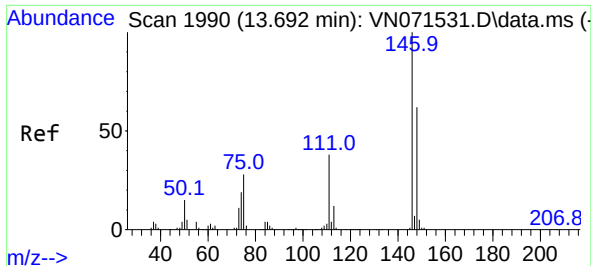
Tgt Ion: 75 Resp: 199985
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#87
1,3-Dichlorobenzene
Concen: 0.207 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

Tgt Ion:146 Resp: 2572
Ion Ratio Lower Upper
146 100
111 32.2 20.0 60.0
148 67.0 32.0 96.0

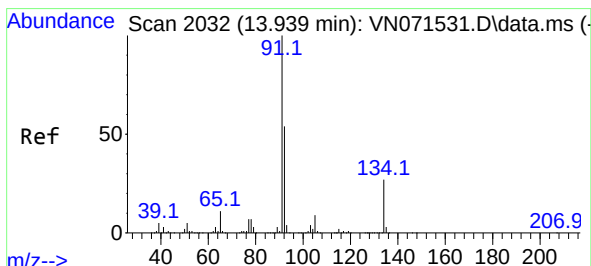
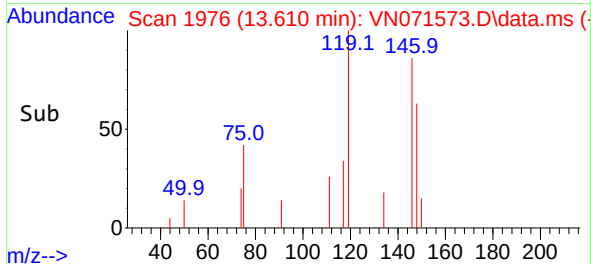
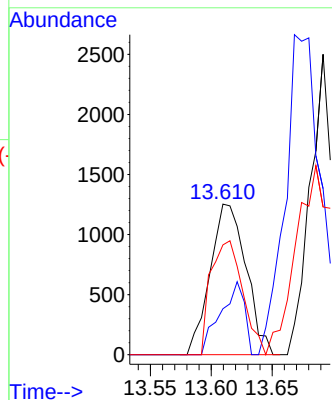
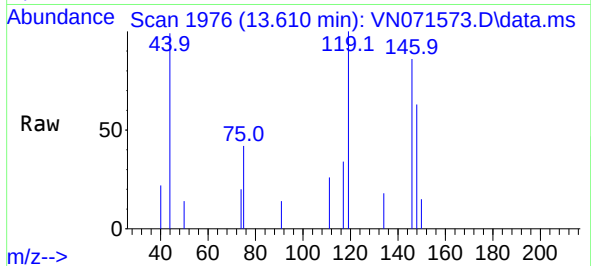




#88
1,4-Dichlorobenzene
Concen: 0.209 ug/l
RT: 13.610 min Scan# 1990
Delta R.T. -0.083 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

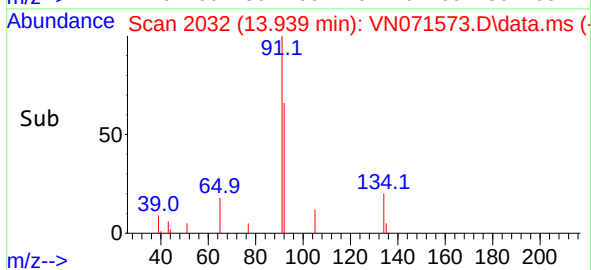
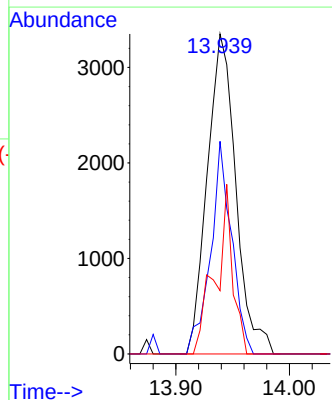
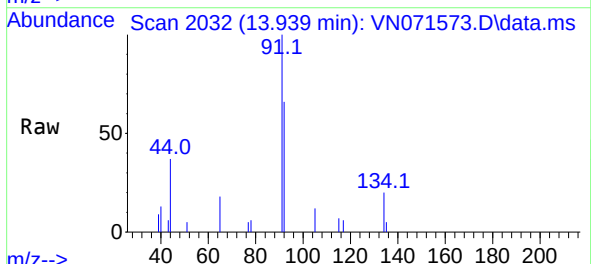
Instrument :
MSVOA_N
ClientSampleId :
VN0326WBL02

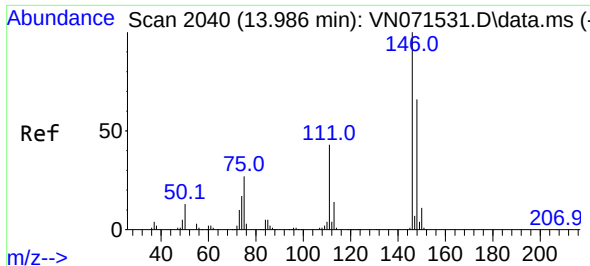
Tgt Ion:	146	Resp:	2572
Ion	Ratio	Lower	Upper
146	100		
111	32.2	19.1	57.1
148	67.0	31.4	94.3



#89
n-Butylbenzene
Concen: 0.330 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

Tgt Ion:	91	Resp:	5860
Ion	Ratio	Lower	Upper
91	100		
92	49.0	26.9	80.7
134	32.1	13.6	40.8





#91

1,2-Dichlorobenzene

Concen: 0.245 ug/l

RT: 13.986 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VN071573.D

Acq: 26 Mar 2022 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBL02

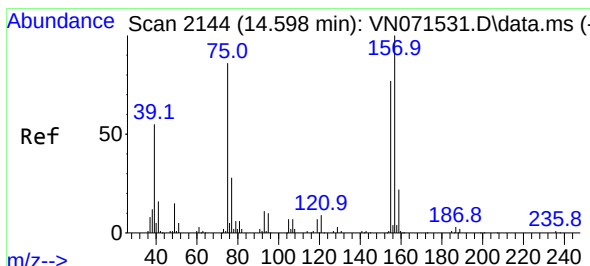
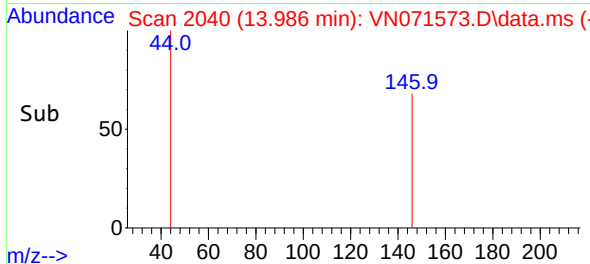
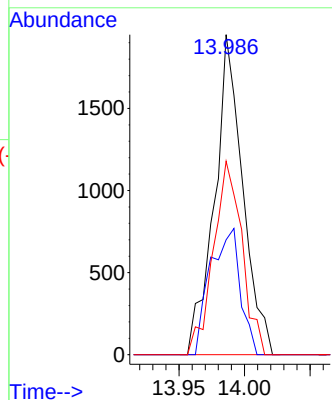
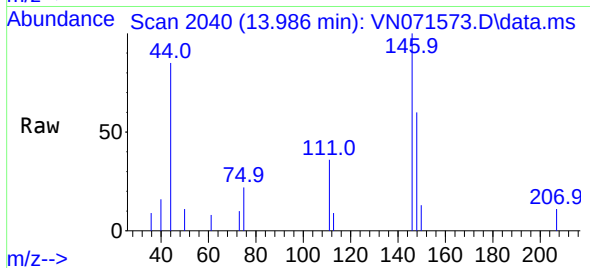
Tgt Ion:146 Resp: 2922

Ion Ratio Lower Upper

146 100

111 41.8 20.9 62.8

148 61.1 32.1 96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.219 ug/l

RT: 14.598 min Scan# 2144

Delta R.T. -0.000 min

Lab File: VN071573.D

Acq: 26 Mar 2022 15:15

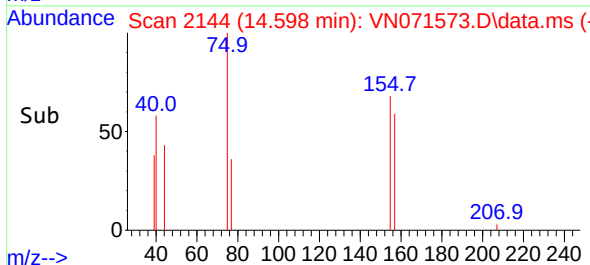
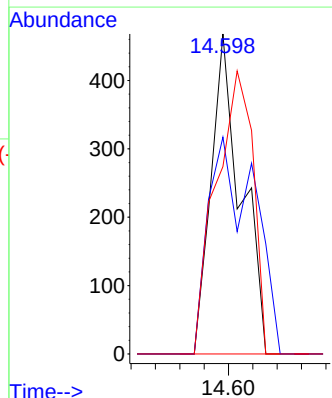
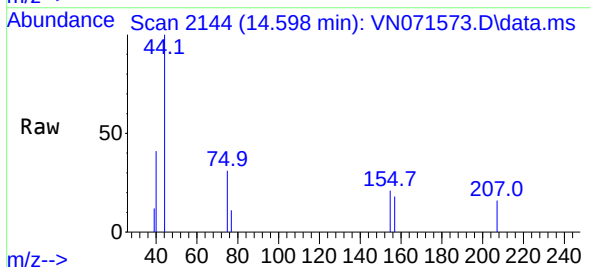
Tgt Ion: 75 Resp: 399

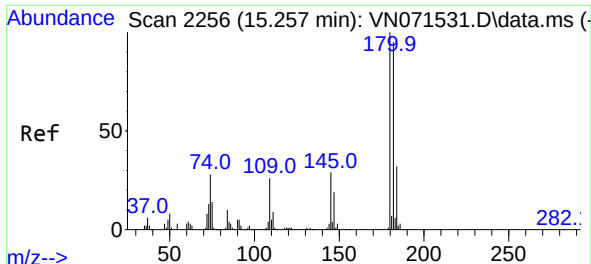
Ion Ratio Lower Upper

75 100

155 102.8 44.9 134.5

157 109.3 59.0 176.8

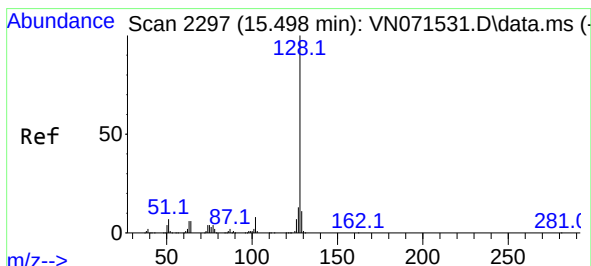
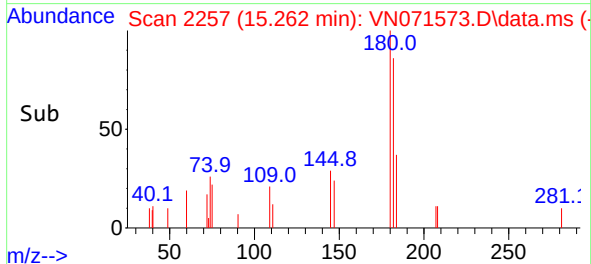
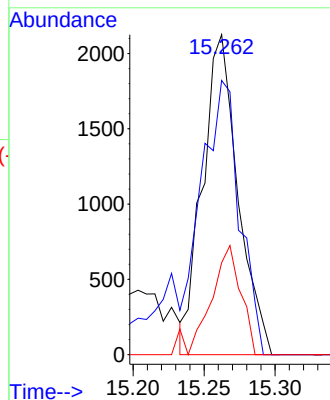
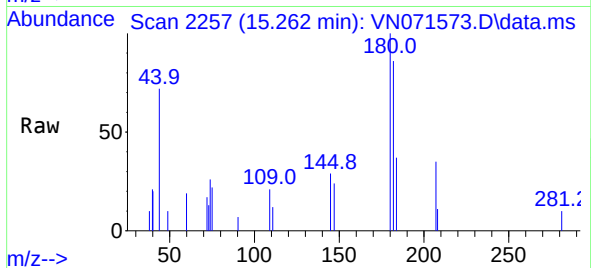




#93
1,2,4-Trichlorobenzene
Concen: 0.667 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

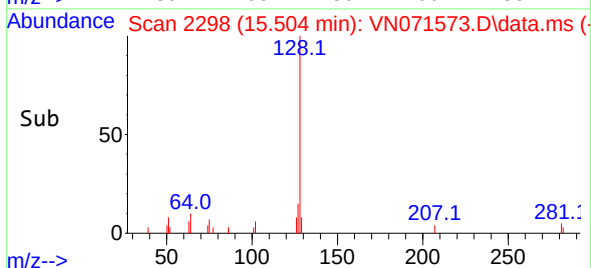
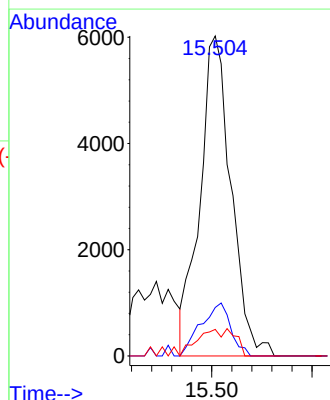
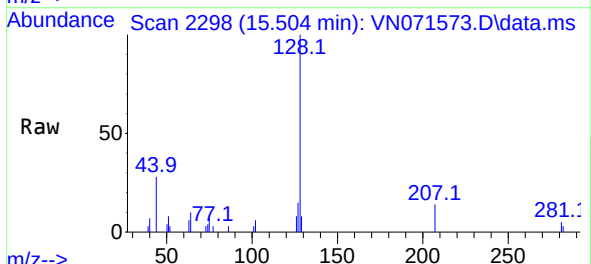
Instrument :
MSVOA_N
ClientSampleId :
VN0326WBL02

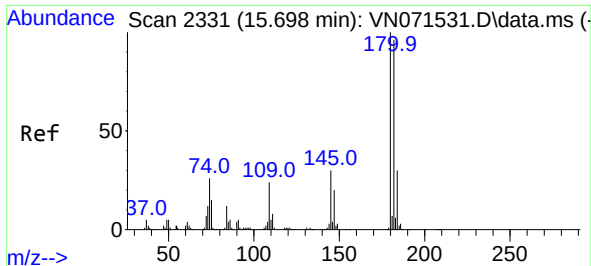
Tgt Ion:	180	Resp:	3686
Ion	Ratio	Lower	Upper
180	100		
182	107.4	47.5	142.5
145	29.4	14.5	43.5



#95
Naphthalene
Concen: 3.902 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071573.D
Acq: 26 Mar 2022 15:15

Tgt Ion:	128	Resp:	13044
Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.3	15.5#
129	7.1	8.6	13.0#





#96

1,2,3-Trichlorobenzene

Concen: 0.823 ug/l

RT: 15.704 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN071573.D

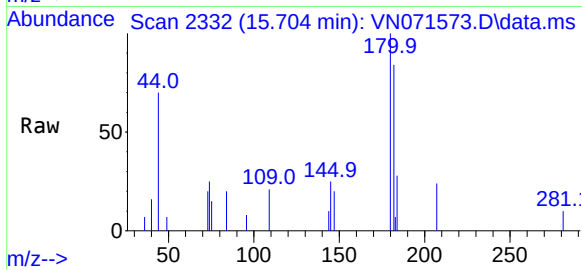
Acq: 26 Mar 2022 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBL02



Tgt Ion:180 Resp: 4510

Ion Ratio Lower Upper

180 100

182 87.3 47.8 143.3

145 28.2 15.5 46.5

