

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030322\
 Data File : VN071145.D
 Acq On : 03 Mar 2022 11:47
 Operator : JC\MD
 Sample : VN0303MBL01
 Misc : 5.00g/10.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303MBL01

Quant Time: Mar 04 01:11:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

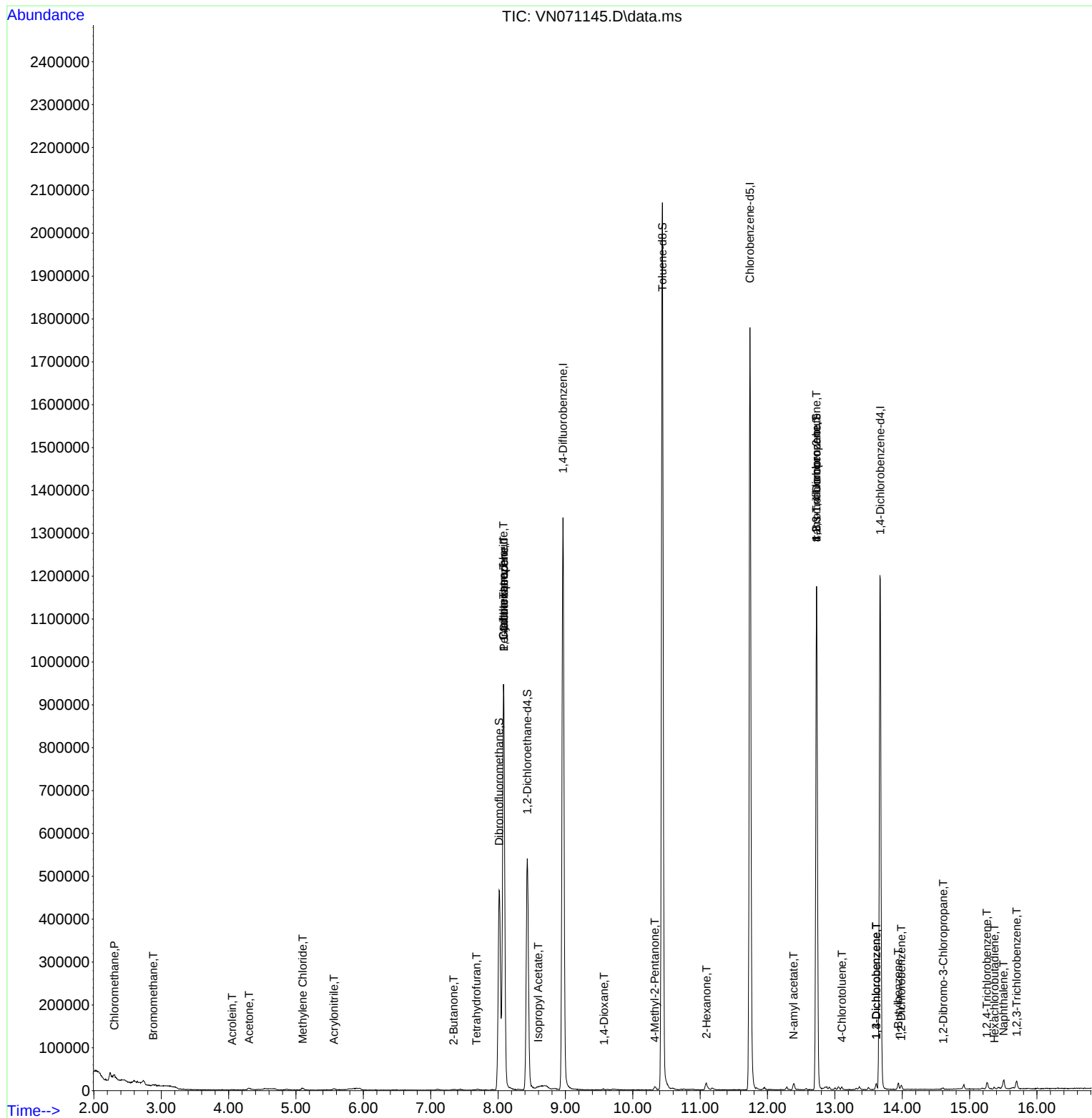
Internal Standards						
1) Pentafluorobenzene	8.087	168	744332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1199775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1042924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	341279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	463382	54.499	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.000%			
35) Dibromofluoromethane	8.016	113	354802	49.718	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.440%			
50) Toluene-d8	10.439	98	1434360	50.050	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.100%			
62) 4-Bromofluorobenzene	12.727	95	420783	41.077	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 82.160%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	2940	0.303	ug/l #	64
5) Bromomethane	2.881	94	1450	0.262	ug/l	99
13) Acrolein	4.052	56	790	0.571	ug/l	95
15) Acrylonitrile	5.563	53	2010	0.440	ug/l #	52
16) Acetone	4.304	43	5354	1.143	ug/l	99
18) Methyl Acetate	4.869	43	4163	Below Cal	#	82
20) Methylene Chloride	5.099	84	3655	0.429	ug/l #	74
25) 2-Butanone	7.340	43	3490	0.560	ug/l #	79
29) Tetrahydrofuran	7.681	42	1111	0.275	ug/l #	80
31) Cyclohexane	8.081	56	15838	1.077	ug/l #	1
36) 1,1-Dichloropropene	8.087	75	56249	4.811	ug/l #	50
38) Carbon Tetrachloride	8.081	117	69862	6.065	ug/l #	17
43) Isopropyl Acetate	8.598	43	6171	0.312	ug/l #	55
49) 1,4-Dioxane	9.575	88	281	1.691	ug/l #	35
51) 4-Methyl-2-Pentanone	10.328	43	6435	0.535	ug/l	93
59) 2-Hexanone	11.092	43	15621	1.889	ug/l	99
74) N-amyl acetate	12.386	43	9014	1.027	ug/l	97
76) 1,2,3-Trichloropropane	12.727	75	215516	26.821	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	215516	86.911	ug/l #	5
82) 4-Chlorotoluene	13.104	91	4494	0.247	ug/l	89
87) 1,3-Dichlorobenzene	13.616	146	3926	0.330	ug/l	93
88) 1,4-Dichlorobenzene	13.616	146	3926	0.337	ug/l	93
89) n-Butylbenzene	13.939	91	8358	0.449	ug/l	94
91) 1,2-Dichlorobenzene	13.986	146	3889	0.348	ug/l	85
92) 1,2-Dibromo-3-Chloropr...	14.610	75	960	0.679	ug/l	77
93) 1,2,4-Trichlorobenzene	15.257	180	6487	2.990	ug/l	89
94) Hexachlorobutadiene	15.368	225	963	0.236	ug/l	84
95) Naphthalene	15.504	128	20515	6.200	ug/l	97
96) 1,2,3-Trichlorobenzene	15.698	180	6903	3.648	ug/l	91

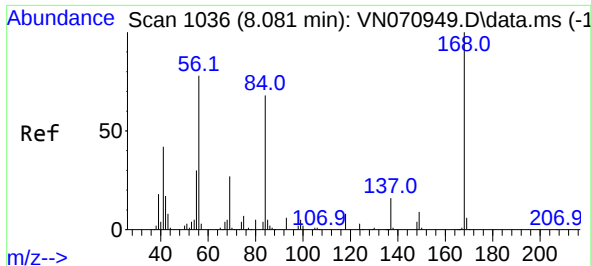
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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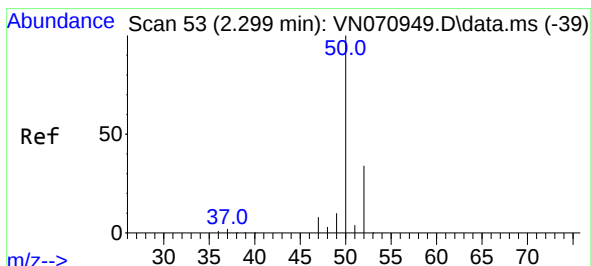
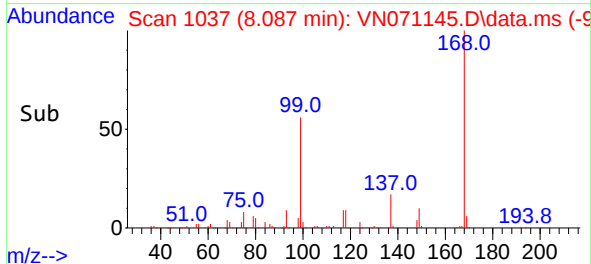
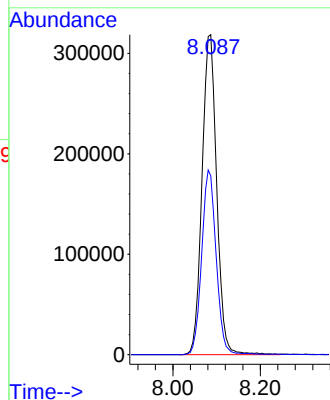
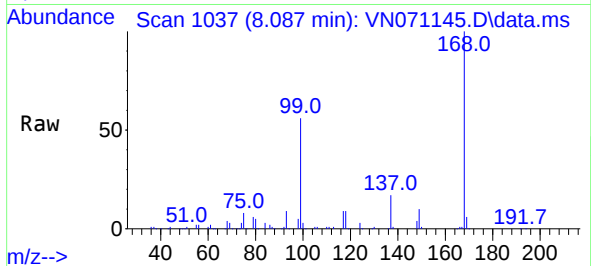




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

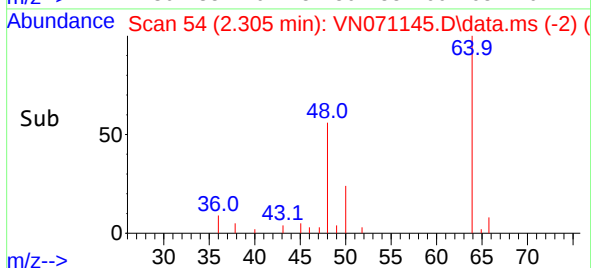
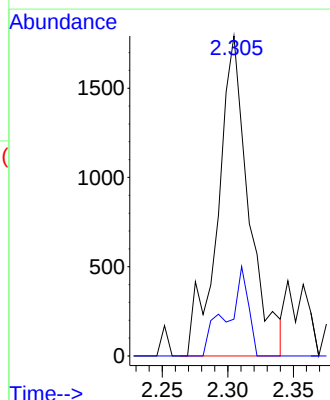
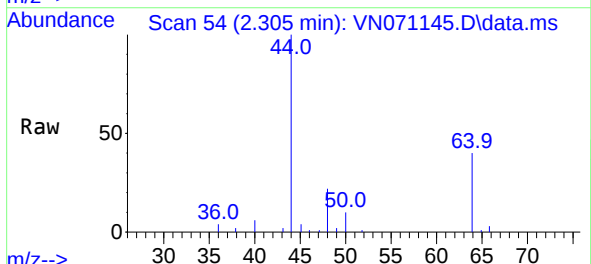
Instrument :
MSVOA_N
ClientSampleId :
VN0303MBL01

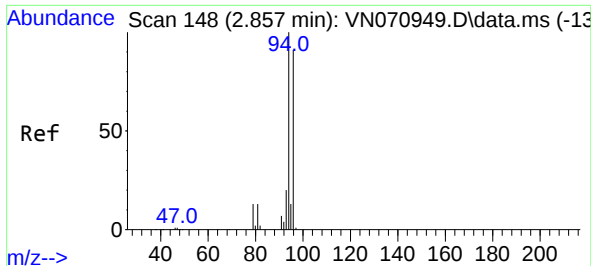
Tgt Ion:168 Resp: 744332
Ion Ratio Lower Upper
168 100
99 55.9 41.3 61.9



#3
Chloromethane
Concen: 0.303 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion: 50 Resp: 2940
Ion Ratio Lower Upper
50 100
52 11.5 25.4 38.0#

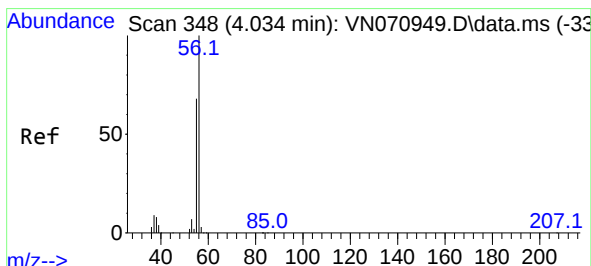
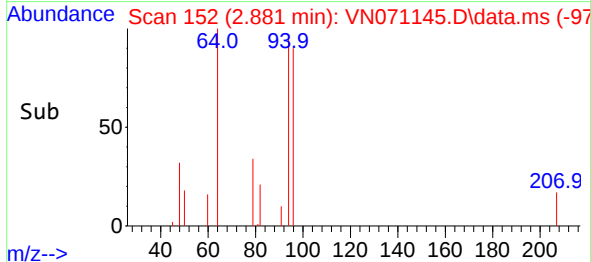
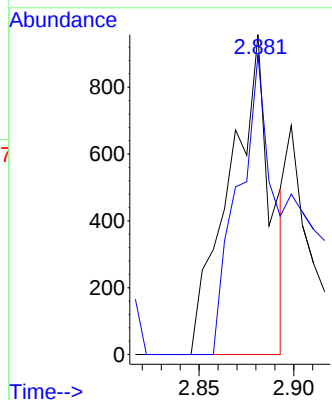
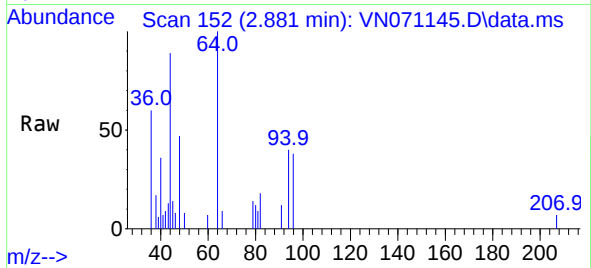




#5
Bromomethane
Concen: 0.262 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

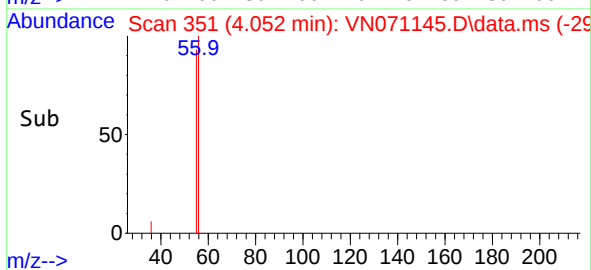
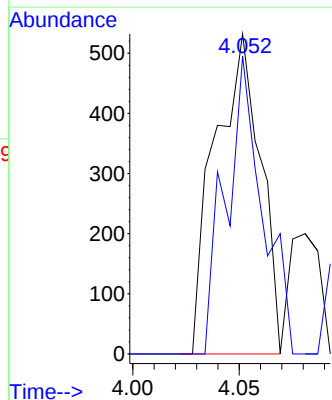
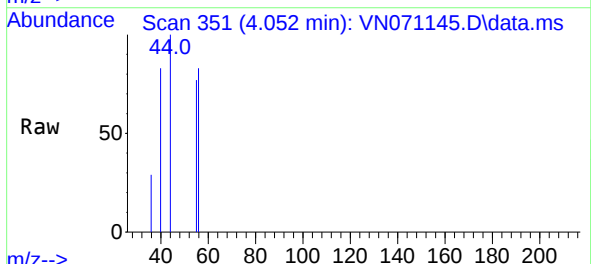
Instrument :
MSVOA_N
ClientSampleId :
VN0303MBL01

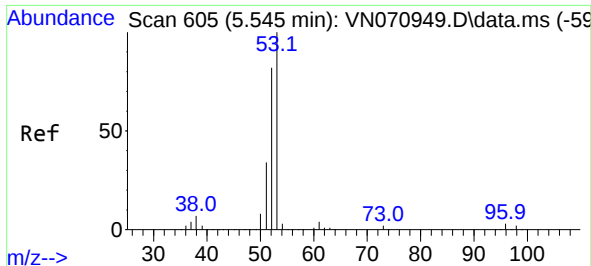
Tgt Ion: 94 Resp: 1450
Ion Ratio Lower Upper
94 100
96 93.7 73.8 110.8



#13
Acrolein
Concen: 0.571 ug/l
RT: 4.052 min Scan# 351
Delta R.T. 0.018 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion: 56 Resp: 790
Ion Ratio Lower Upper
56 100
55 75.2 56.6 85.0

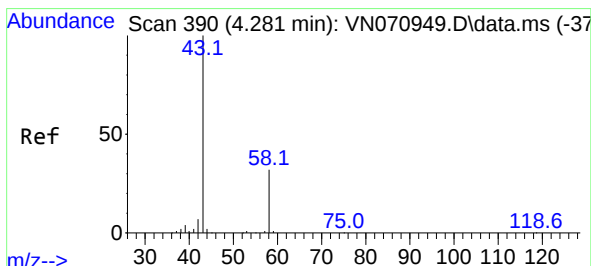
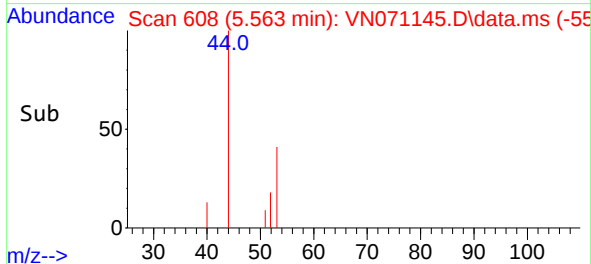
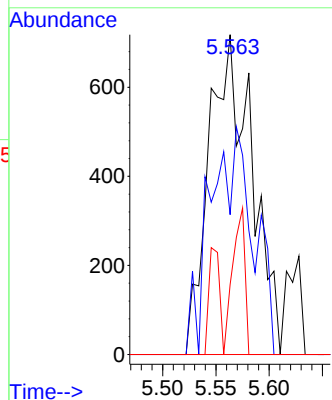
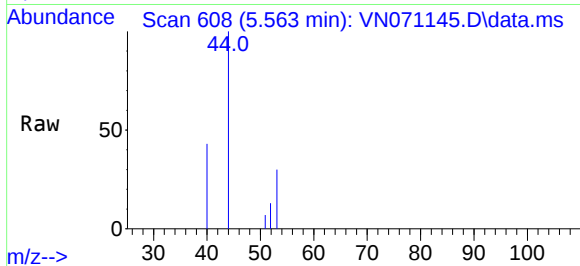




#15
Acrylonitrile
Concen: 0.440 ug/l
RT: 5.563 min Scan# 605
Delta R.T. 0.018 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

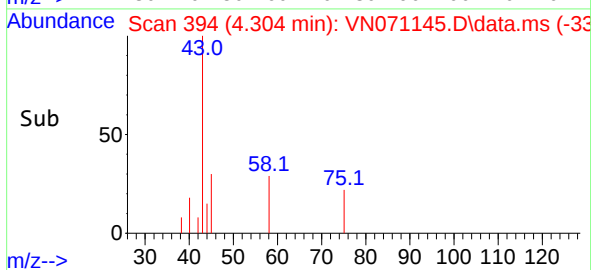
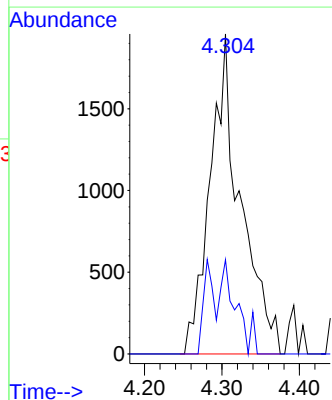
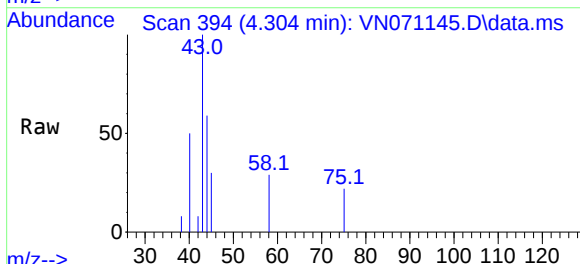
Instrument :
MSVOA_N
ClientSampleId :
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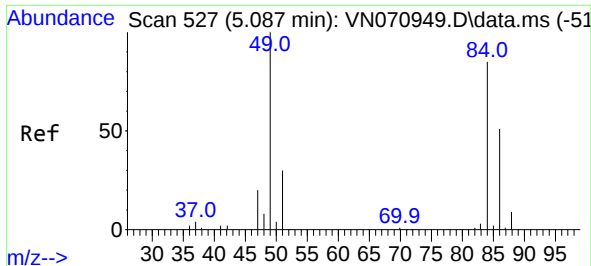
Tgt Ion: 53 Resp: 2010
Ion Ratio Lower Upper
53 100
52 36.5 66.2 99.2#
51 13.1 29.6 44.4#



#16
Acetone
Concen: 1.143 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.024 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion: 43 Resp: 5354
Ion Ratio Lower Upper
43 100
58 29.4 23.1 34.7

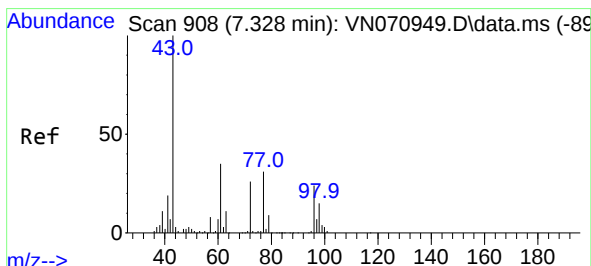
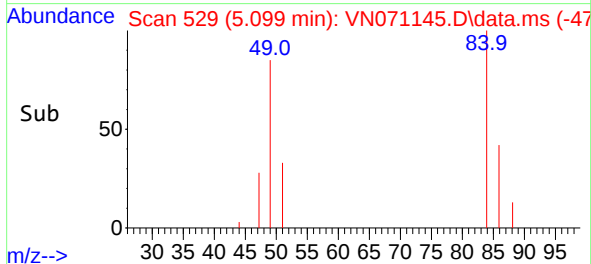
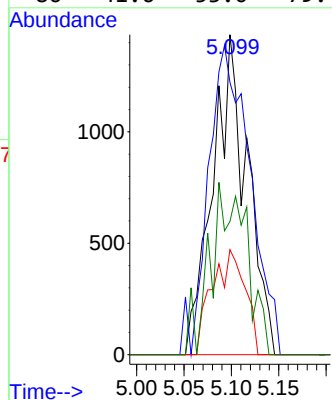
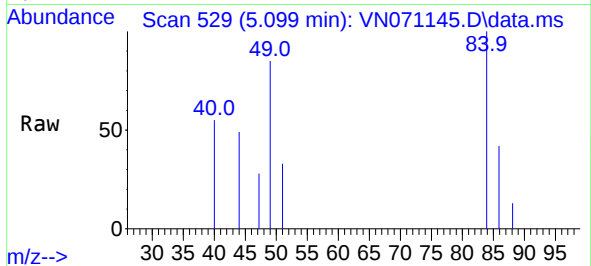




#20
Methylene Chloride
Concen: 0.429 ug/l
RT: 5.099 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

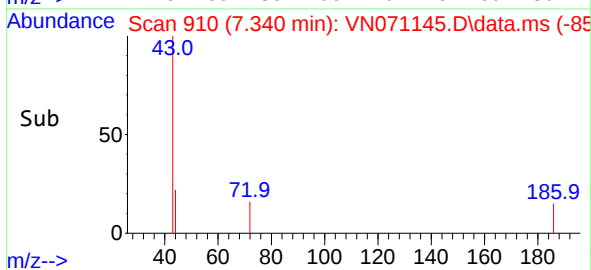
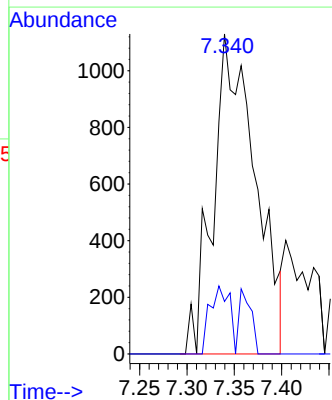
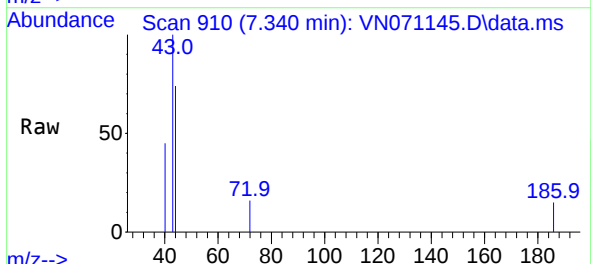
Instrument :
MSVOA_N
ClientSampleId :
VN0303MBL01

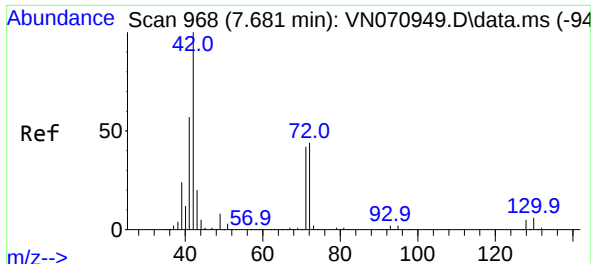
Tgt Ion:	84	Resp:	3655
Ion	Ratio	Lower	Upper
84	100		
49	85.1	93.5	140.3#
51	32.8	29.4	44.2
86	41.6	53.0	79.4#



#25
2-Butanone
Concen: 0.560 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion:	43	Resp:	3490
Ion	Ratio	Lower	Upper
43	100		
72	16.4	21.7	32.5#

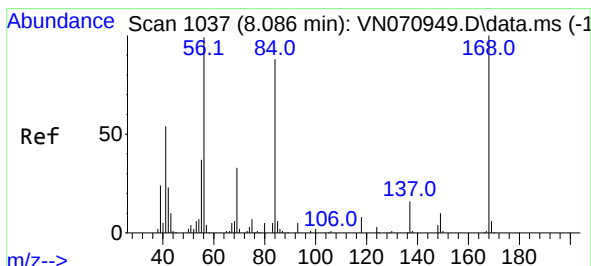
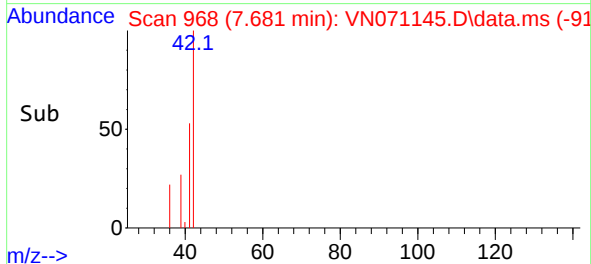
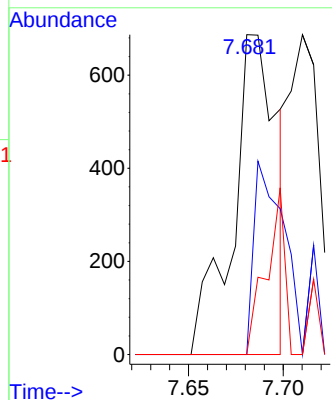
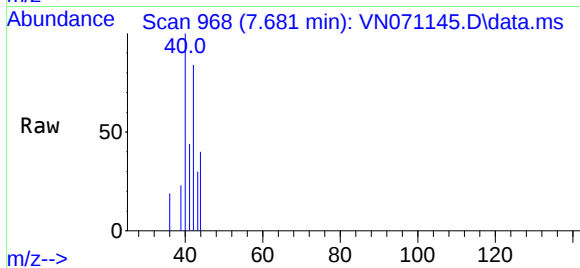




#29
Tetrahydrofuran
Concen: 0.275 ug/l
RT: 7.681 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

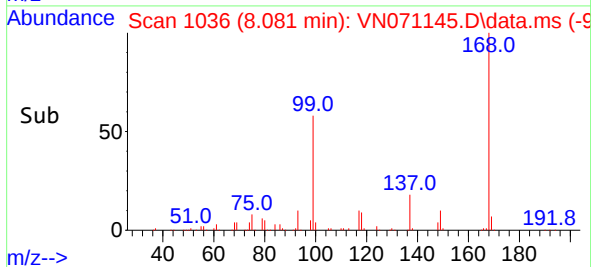
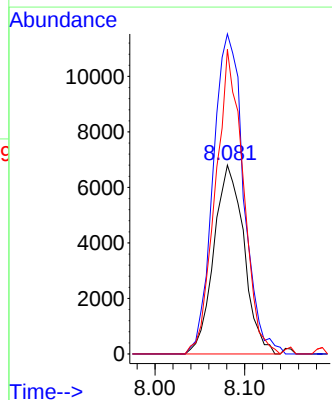
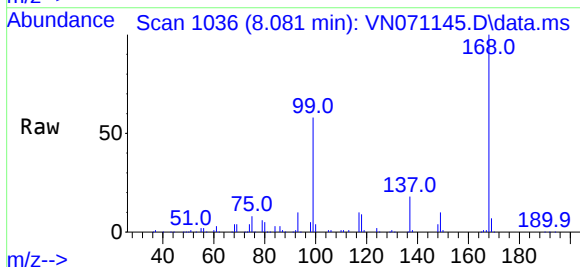
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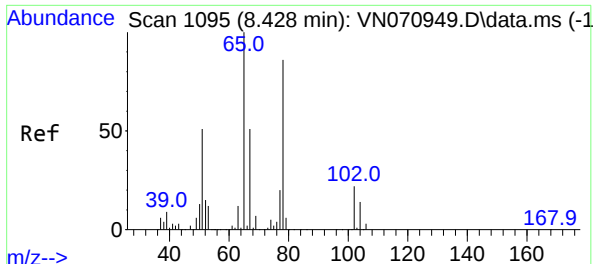
Tgt Ion: 42 Resp: 1111
Ion Ratio Lower Upper
42 100
72 40.7 36.3 54.5
71 21.7 34.7 52.1#



#31
Cyclohexane
Concen: 1.077 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion: 56 Resp: 15838
Ion Ratio Lower Upper
56 100
69 169.5 27.1 40.7#
84 161.3 73.4 110.0#

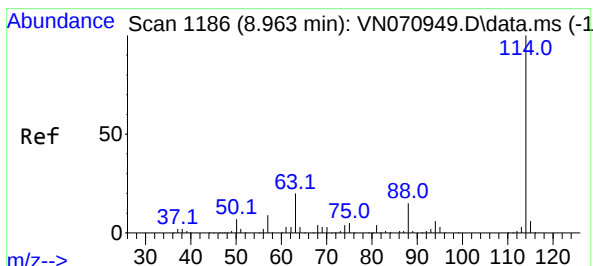
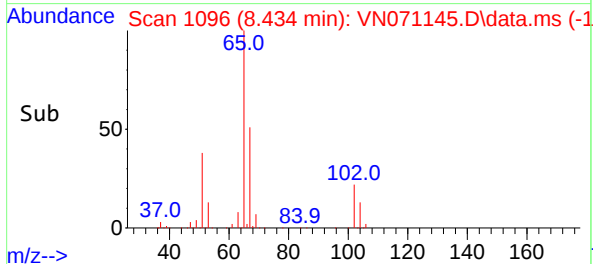
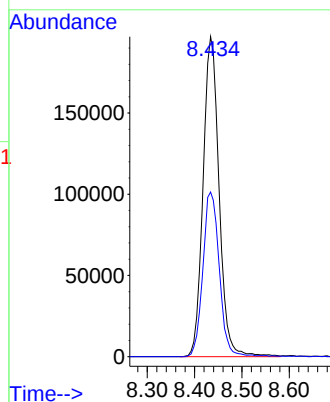
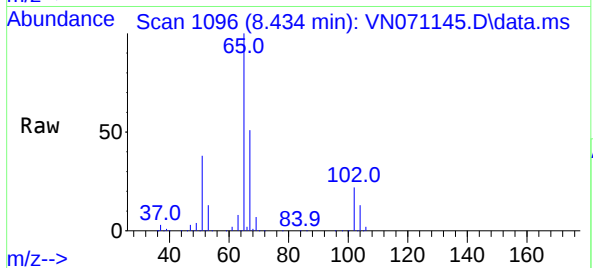




#33
1,2-Dichloroethane-d4
Concen: 54.499 ug/l
RT: 8.434 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

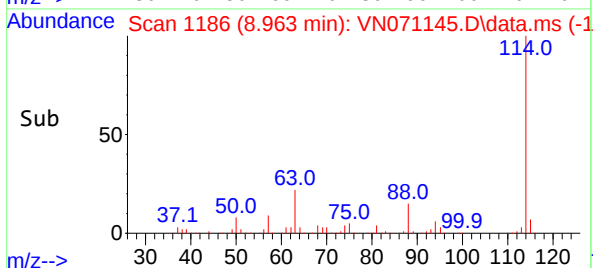
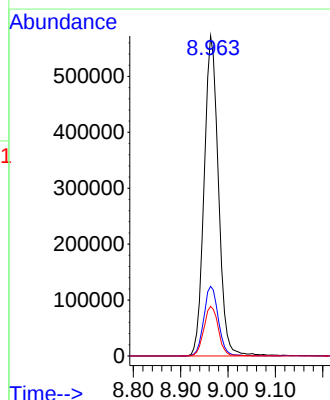
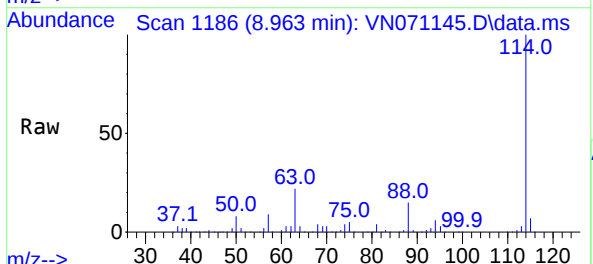
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VN0303MBL01

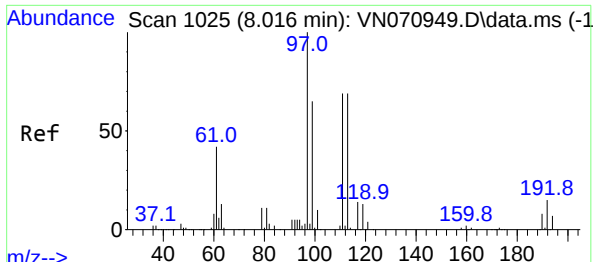
Tgt Ion: 65 Resp: 463382
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion: 114 Resp: 1199775
Ion Ratio Lower Upper
114 100
63 21.7 0.0 37.8
88 15.5 0.0 27.4

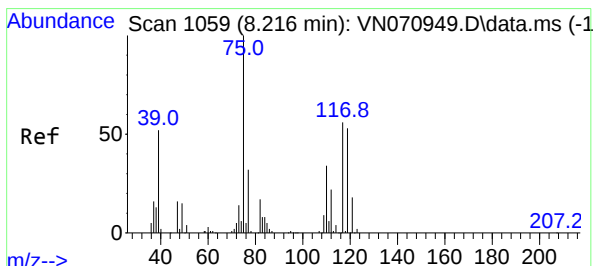
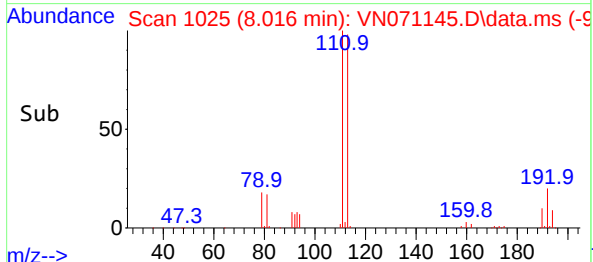
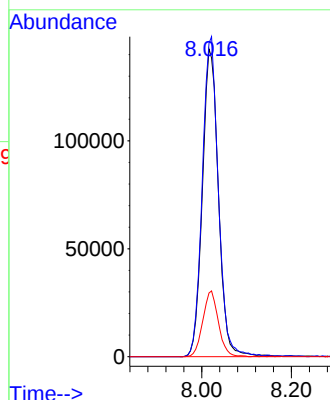
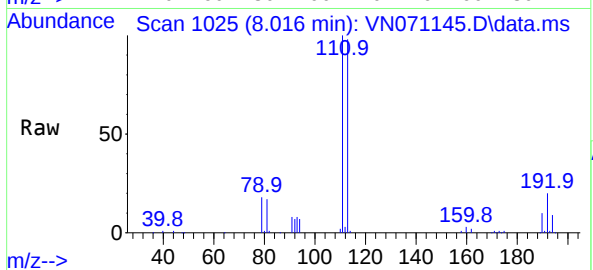




#35
Dibromofluoromethane
Concen: 49.718 ug/l
RT: 8.016 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

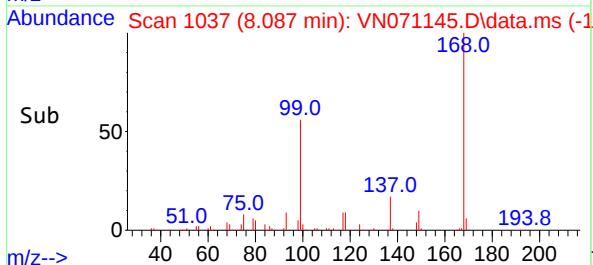
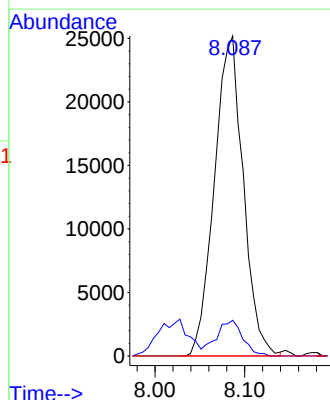
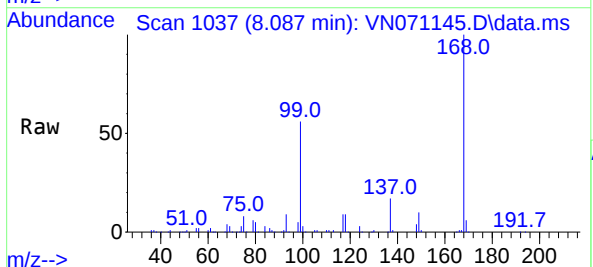
Instrument :
MSVOA_N
ClientSampleId :
VN0303MBL01

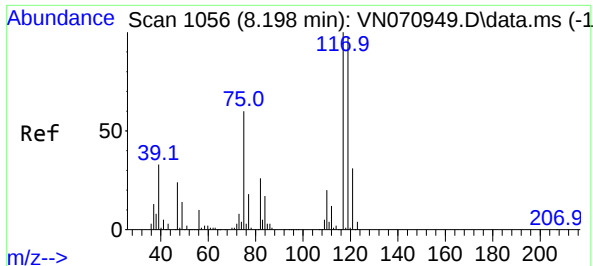
Tgt Ion:113 Resp: 354802
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 20.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.811 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.129 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

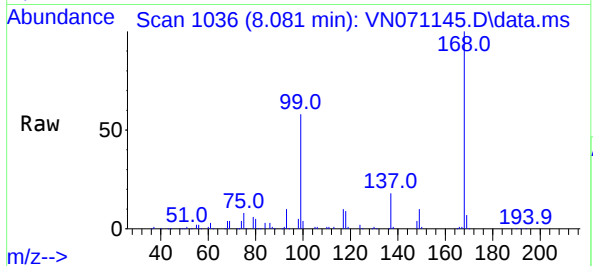
Tgt Ion: 75 Resp: 56249
Ion Ratio Lower Upper
75 100
110 10.2 18.4 55.2#
77 0.0 24.4 36.6#



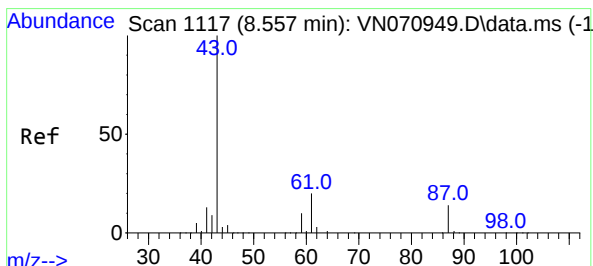
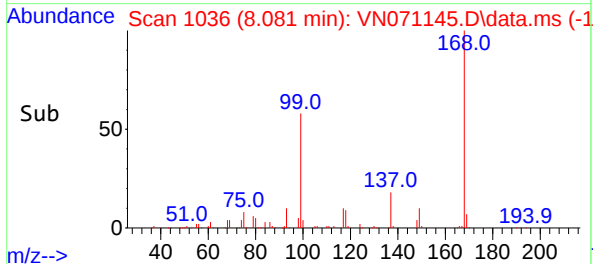
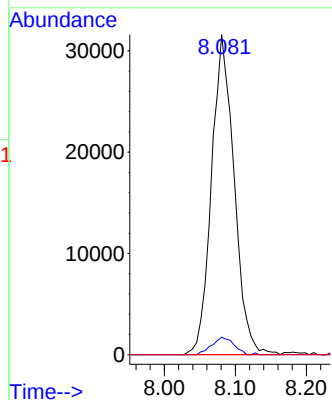


#38
Carbon Tetrachloride
Concen: 6.065 ug/l
RT: 8.081 min Scan# 110
Delta R.T. -0.118 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0303MBL01

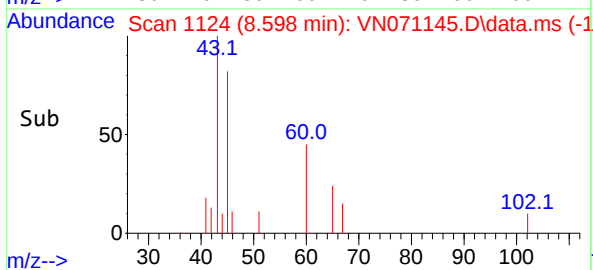
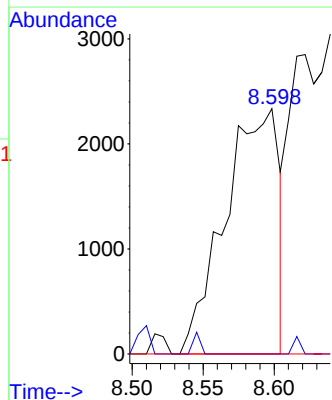
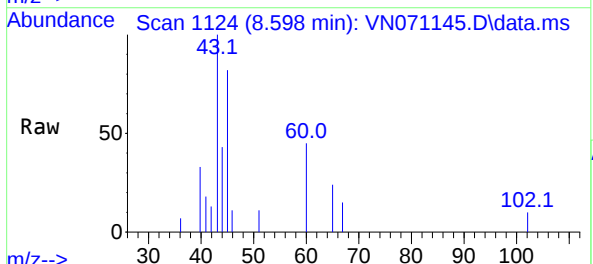


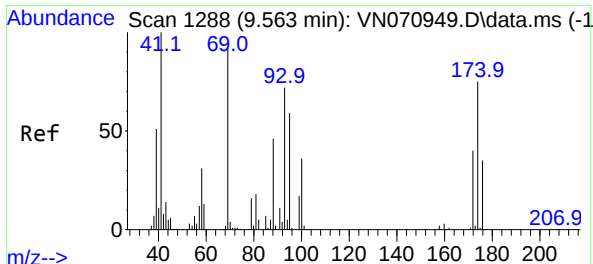
Tgt Ion:117 Resp: 69862
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.312 ug/l
RT: 8.598 min Scan# 1124
Delta R.T. 0.041 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion: 43 Resp: 6171
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

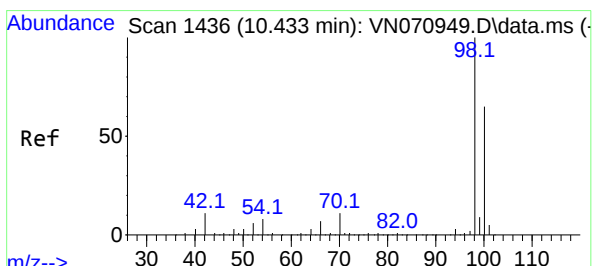
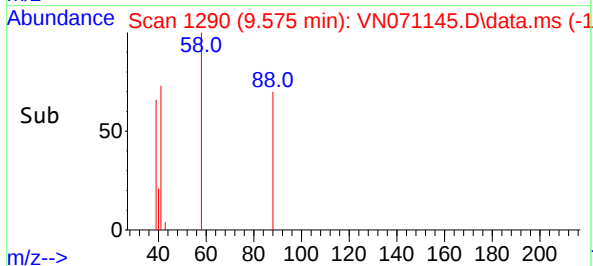
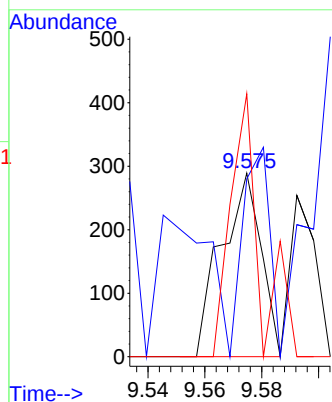
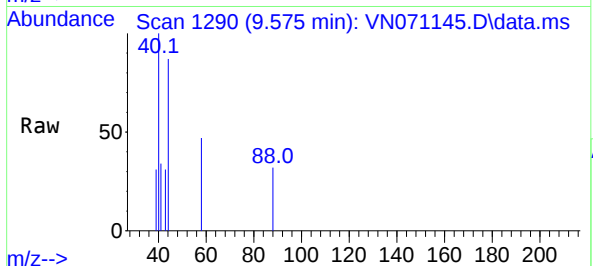




#49
1,4-Dioxane
Concen: 1.691 ug/l
RT: 9.575 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

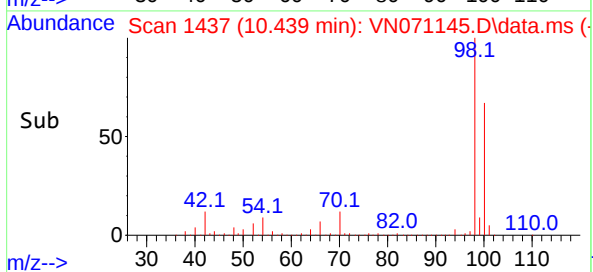
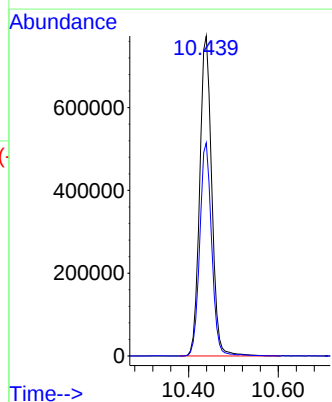
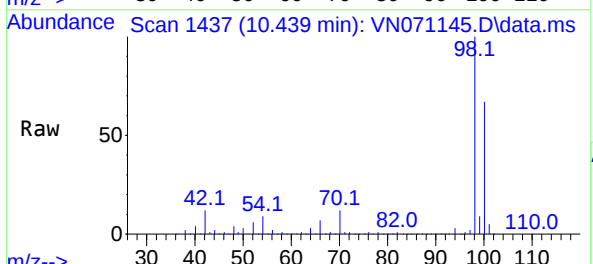
Instrument :
MSVOA_N
ClientSampleId :
VN0303MBL01

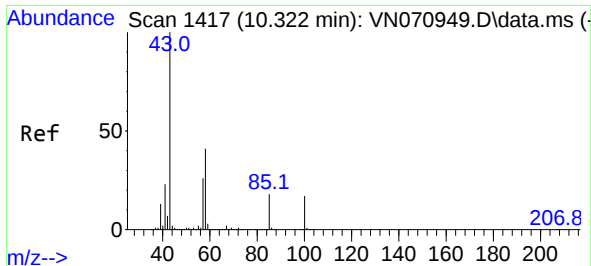
Tgt Ion: 88 Resp: 281
Ion Ratio Lower Upper
88 100
43 76.5 23.4 35.2#
58 105.0 50.6 75.8#



#50
Toluene-d8
Concen: 50.050 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion: 98 Resp: 1434360
Ion Ratio Lower Upper
98 100
100 66.2 50.4 75.6

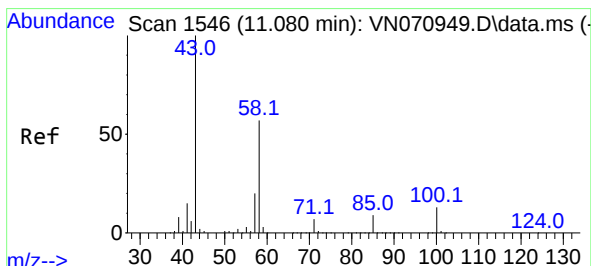
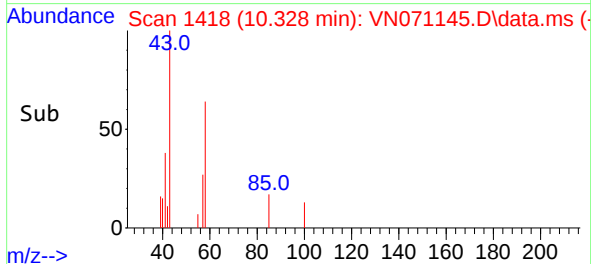
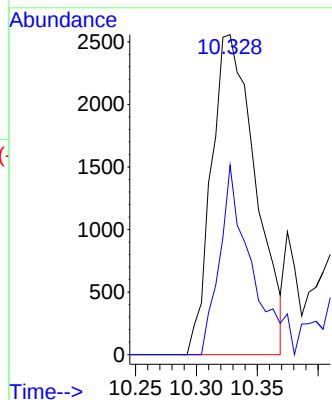
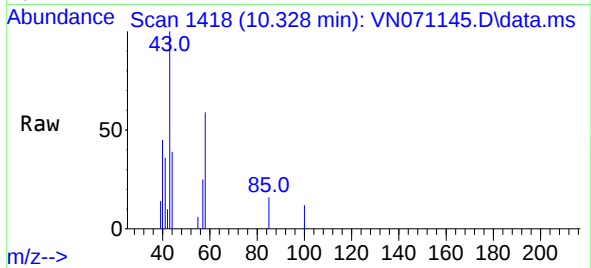




#51
4-Methyl-2-Pentanone
Concen: 0.535 ug/l
RT: 10.328 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

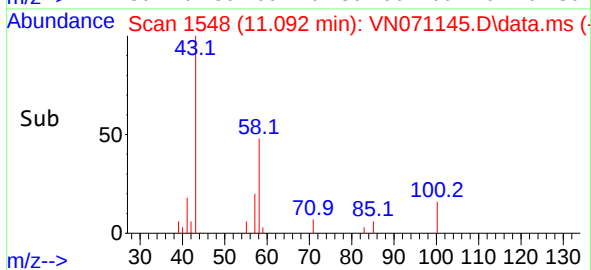
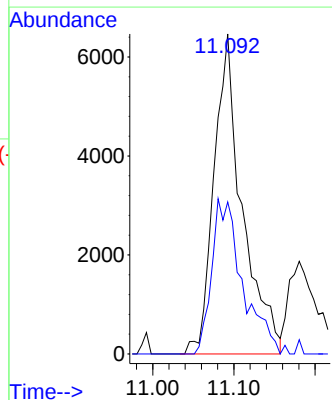
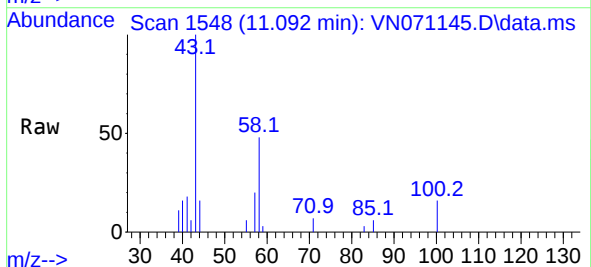
Instrument :
MSVOA_N
ClientSampleId :
VN0303MBL01

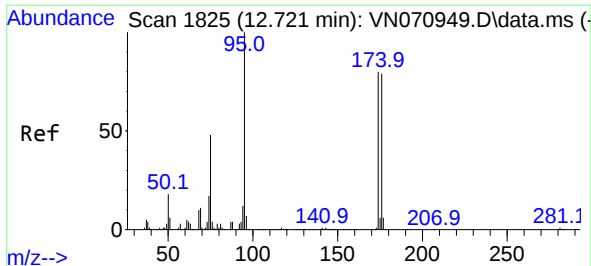
Tgt Ion: 43 Resp: 6435
Ion Ratio Lower Upper
43 100
58 42.5 30.4 45.6



#59
2-Hexanone
Concen: 1.889 ug/l
RT: 11.092 min Scan# 1548
Delta R.T. 0.012 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion: 43 Resp: 15621
Ion Ratio Lower Upper
43 100
58 52.9 26.9 80.7

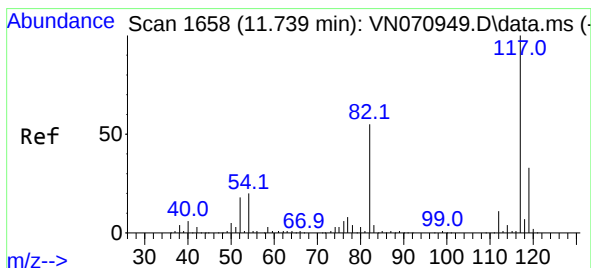
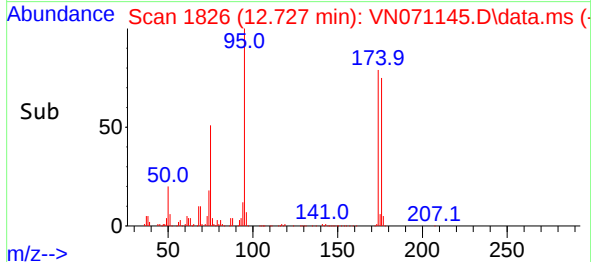
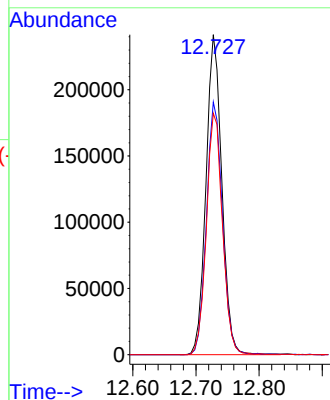
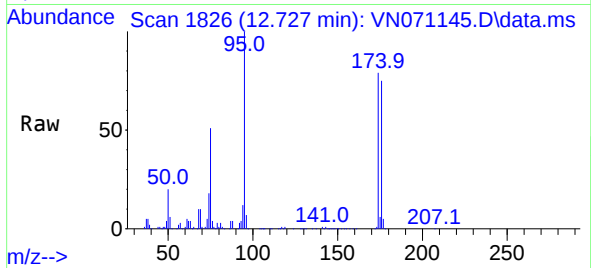




#62
4-Bromofluorobenzene
Concen: 41.077 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

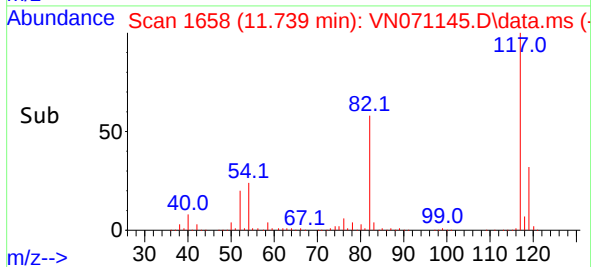
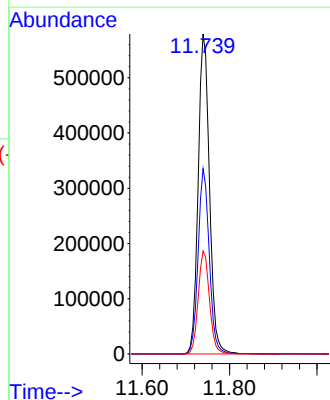
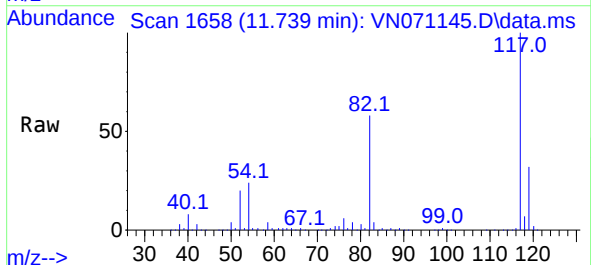
Instrument :
MSVOA_N
ClientSampleId :
VN0303MBL01

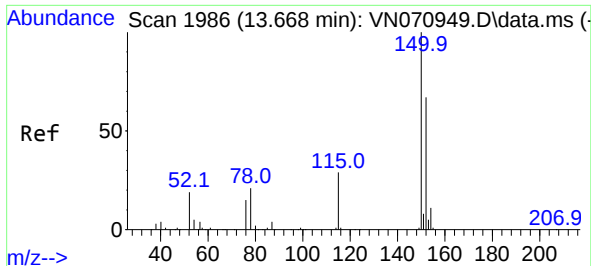
Tgt Ion: 95 Resp: 420783
Ion Ratio Lower Upper
95 100
174 80.2 0.0 187.2
176 76.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion: 117 Resp: 1042924
Ion Ratio Lower Upper
117 100
82 57.9 42.4 63.6
119 32.2 25.4 38.2

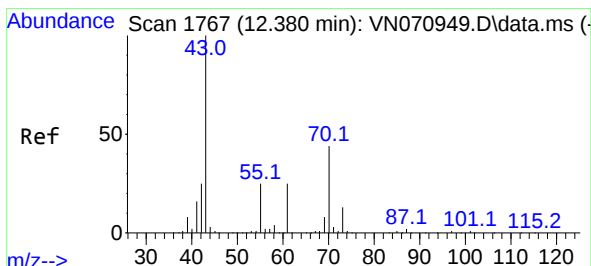
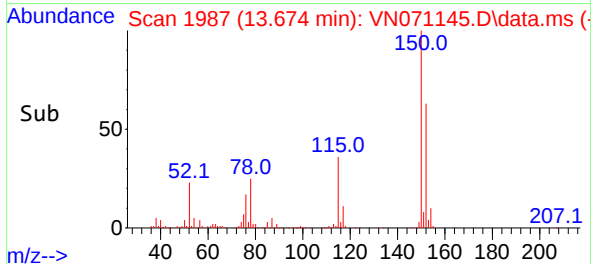
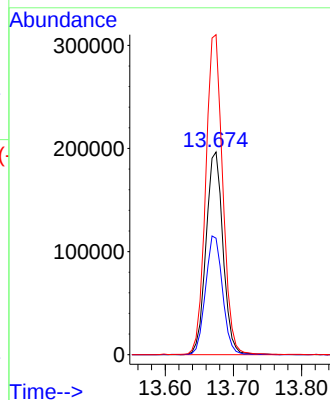
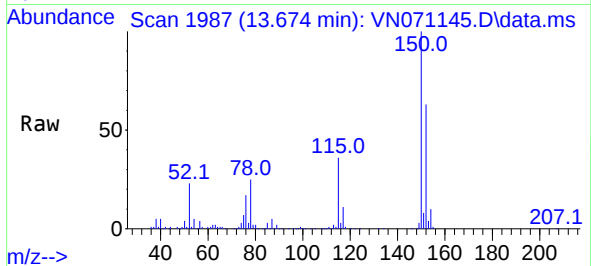




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

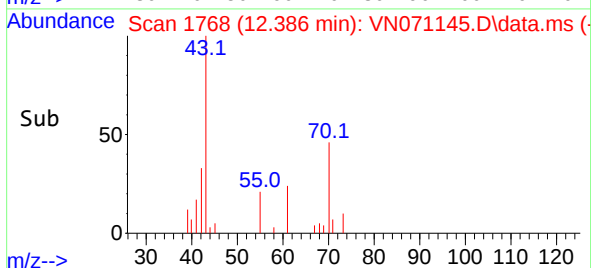
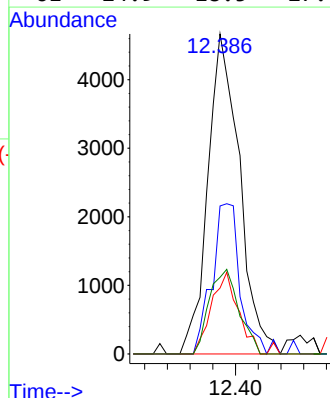
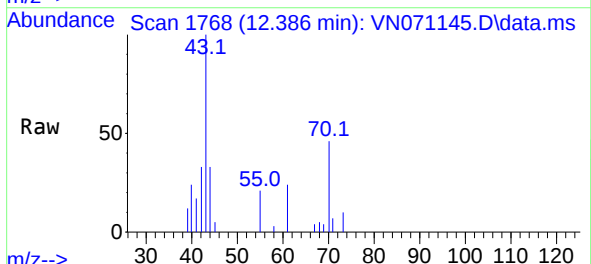
Instrument :
MSVOA_N
ClientSampleId :
VN0303MBL01

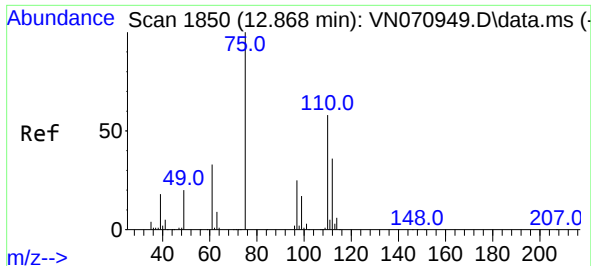
Tgt Ion:152 Resp: 341279
Ion Ratio Lower Upper
152 100
115 58.8 27.5 82.5
150 157.4 0.0 344.4



#74
N-amy1 acetate
Concen: 1.027 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.006 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion: 43 Resp: 9014
Ion Ratio Lower Upper
43 100
70 42.2 33.4 50.0
55 21.7 19.3 28.9
61 24.9 18.5 27.7

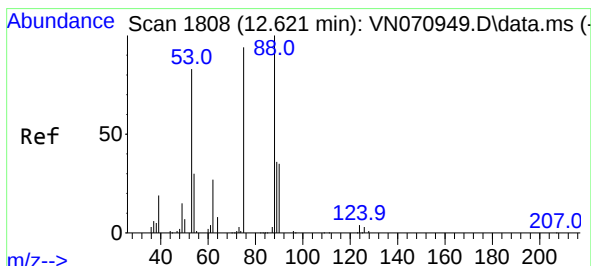
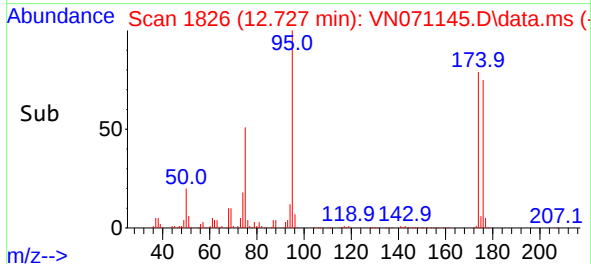
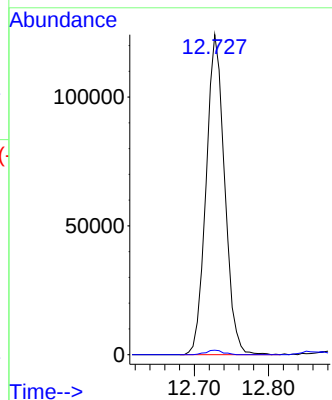
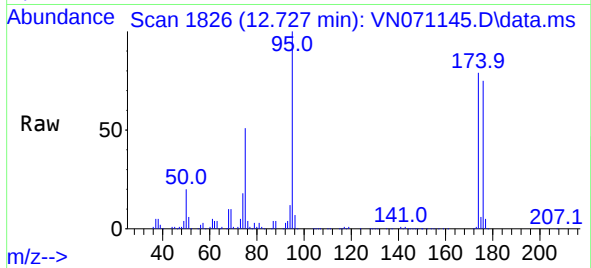




#76
1,2,3-Trichloropropane
Concen: 26.821 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

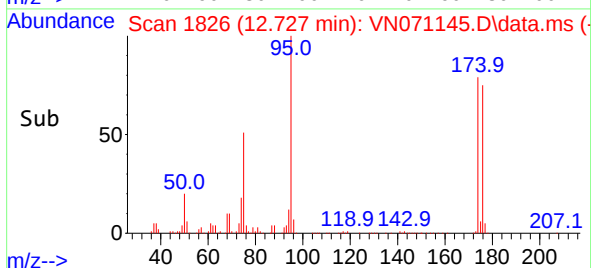
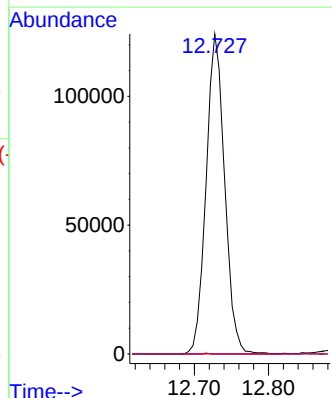
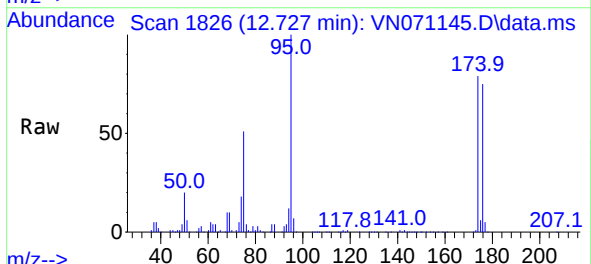
Instrument :
MSVOA_N
ClientSampleId :
VN0303MBL01

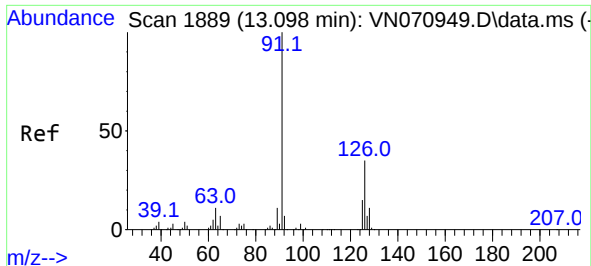
Tgt Ion: 75 Resp: 215516
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.911 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion: 75 Resp: 215516
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.1 38.2 57.4#

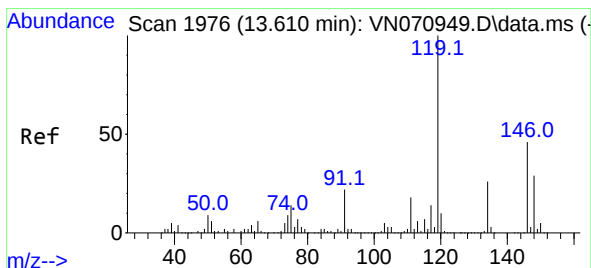
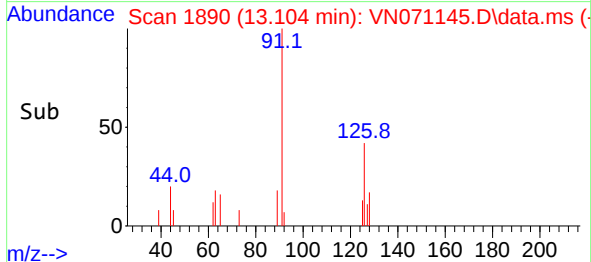
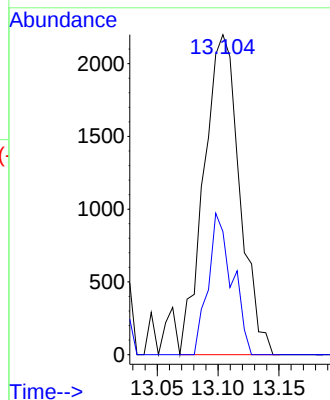
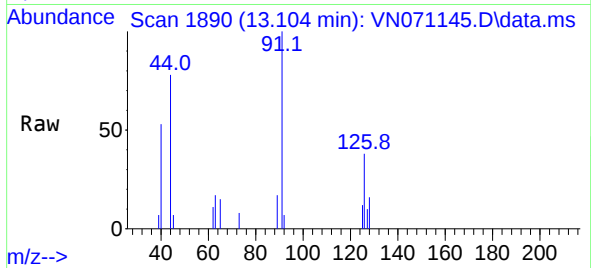




#82
4-Chlorotoluene
Concen: 0.247 ug/l
RT: 13.104 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

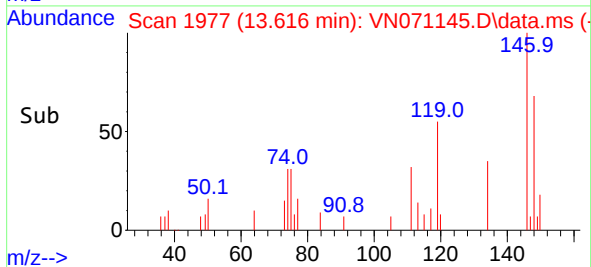
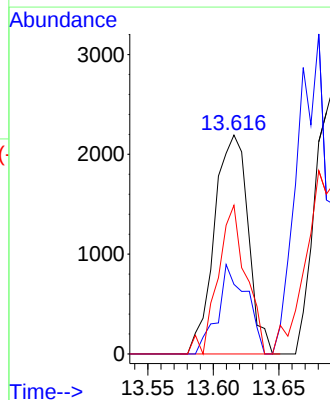
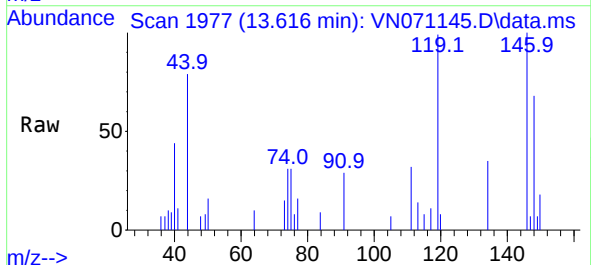
Instrument :
MSVOA_N
ClientSampleId :
VN0303MBL01

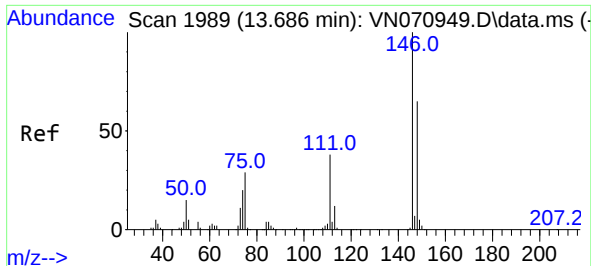
Tgt Ion: 91 Resp: 4494
Ion Ratio Lower Upper
91 100
126 29.7 18.2 54.6



#87
1,3-Dichlorobenzene
Concen: 0.330 ug/l
RT: 13.616 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion:146 Resp: 3926
Ion Ratio Lower Upper
146 100
111 35.0 18.6 55.6
148 56.6 31.6 95.0

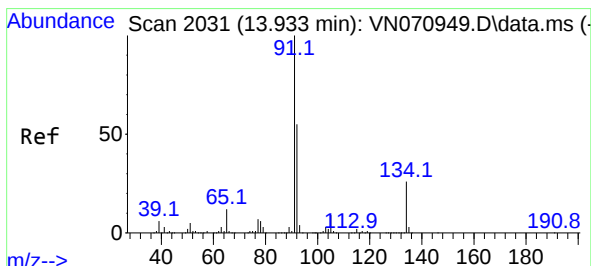
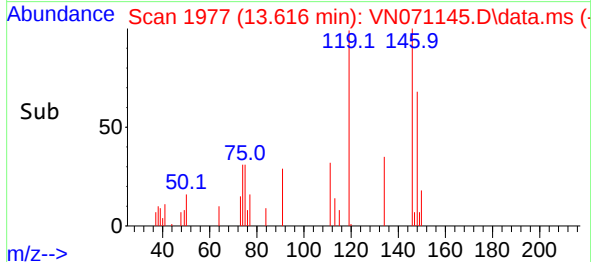
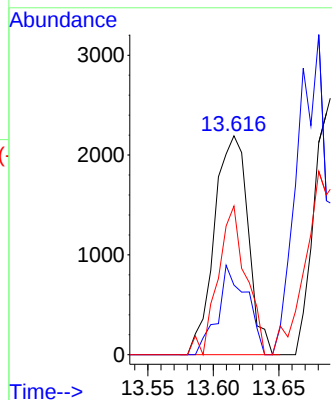
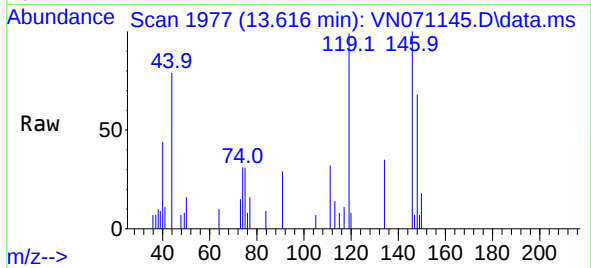




#88
1,4-Dichlorobenzene
Concen: 0.337 ug/l
RT: 13.616 min Scan# 1989
Delta R.T. -0.070 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

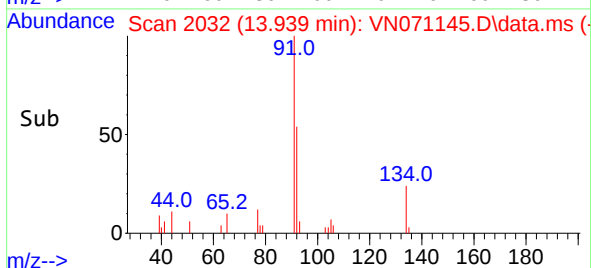
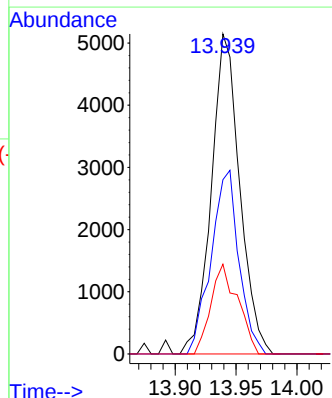
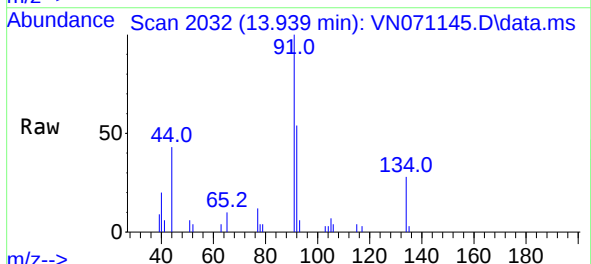
Instrument :
MSVOA_N
ClientSampleId :
VN0303MBL01

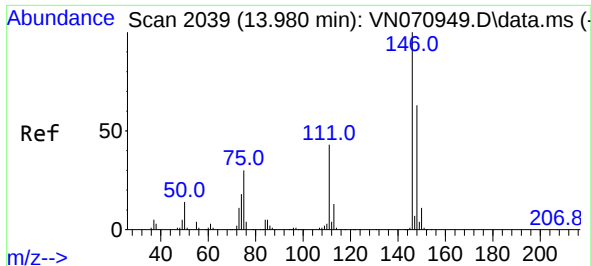
Tgt Ion:	146	Resp:	3926
Ion	Ratio	Lower	Upper
146	100		
111	35.0	18.3	54.8
148	56.6	31.8	95.4



#89
n-Butylbenzene
Concen: 0.449 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.006 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion:	91	Resp:	8358
Ion	Ratio	Lower	Upper
91	100		
92	56.3	25.4	76.0
134	26.6	13.6	40.8

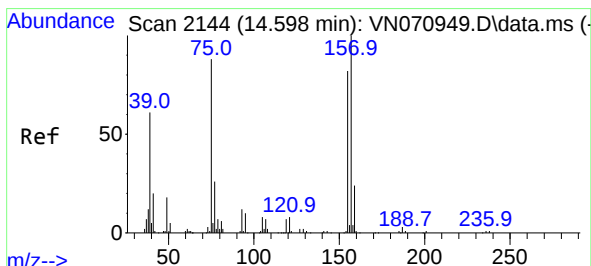
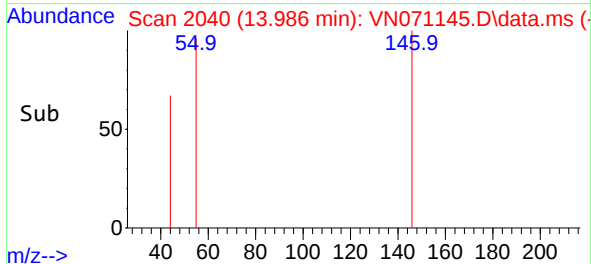
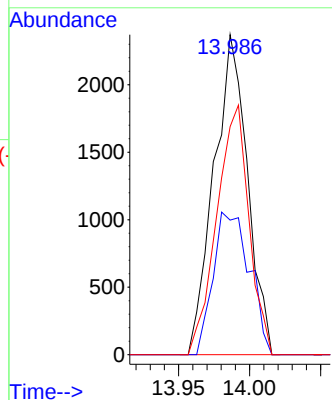
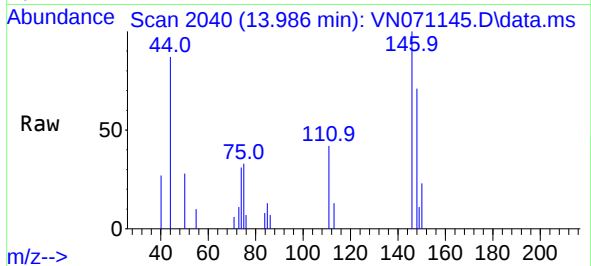




#91
1,2-Dichlorobenzene
Concen: 0.348 ug/l
RT: 13.986 min Scan# 2039
Delta R.T. 0.006 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

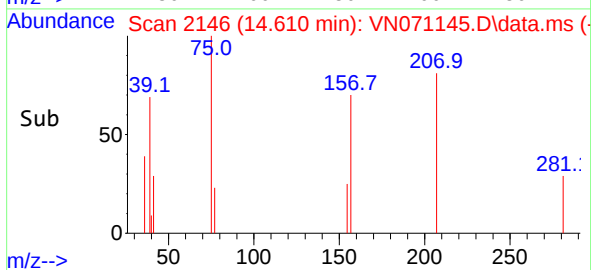
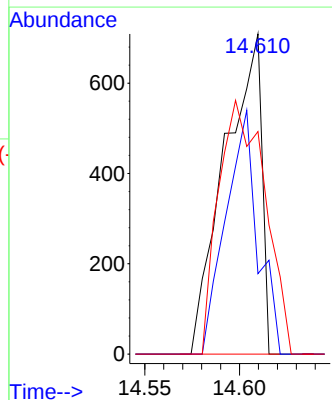
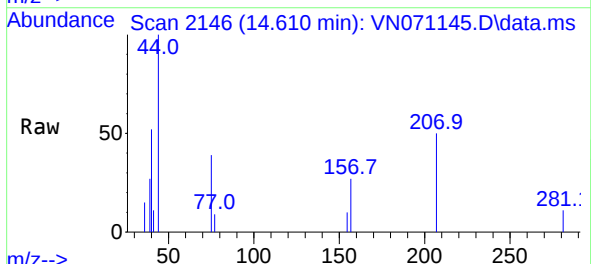
Instrument :
MSVOA_N
ClientSampleId :
VN0303MBL01

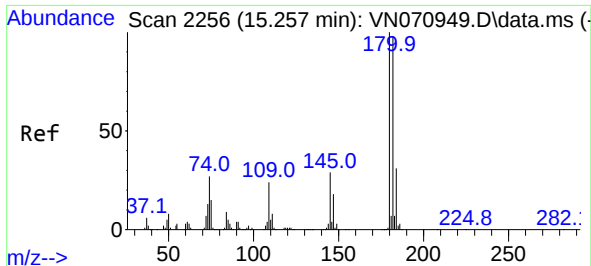
Tgt Ion:	146	Resp:	3889
Ion	Ratio	Lower	Upper
146	100		
111	48.3	19.1	57.3
148	75.1	32.1	96.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.679 ug/l
RT: 14.610 min Scan# 2146
Delta R.T. 0.012 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion:	75	Resp:	960
Ion	Ratio	Lower	Upper
75	100		
155	65.9	46.9	140.7
157	99.7	60.6	181.7

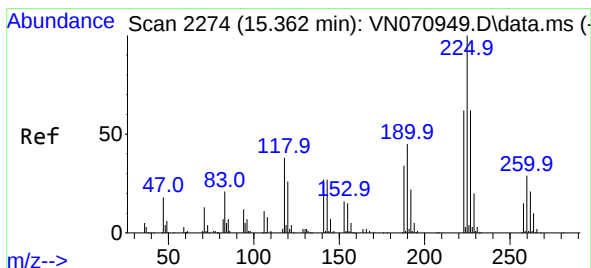
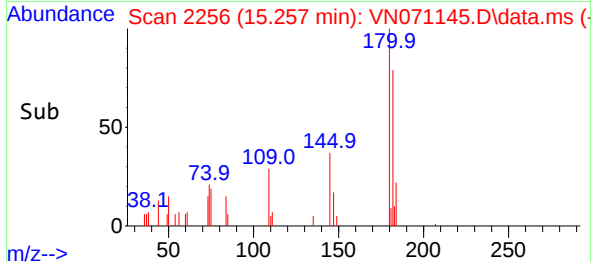
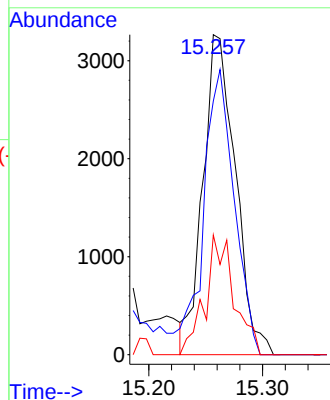
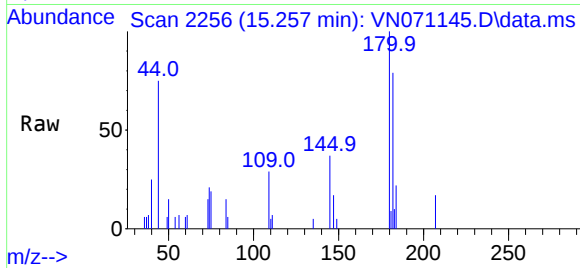




#93
1,2,4-Trichlorobenzene
Concen: 2.990 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

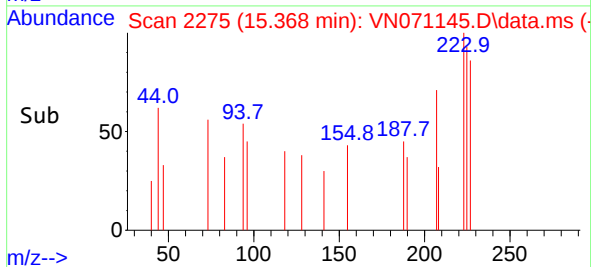
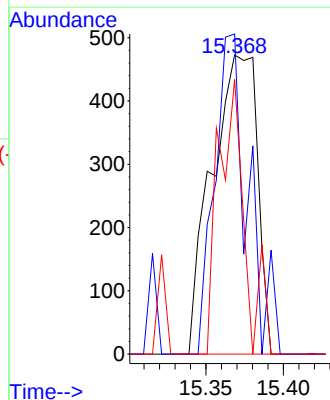
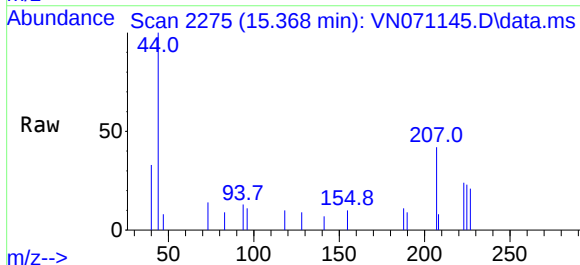
Instrument :
MSVOA_N
ClientSampleId :
VN0303MBL01

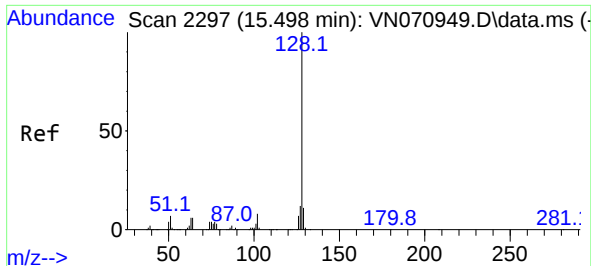
Tgt Ion:180 Resp: 6487
Ion Ratio Lower Upper
180 100
182 84.5 48.3 144.9
145 33.2 14.5 43.5



#94
Hexachlorobutadiene
Concen: 0.236 ug/l
RT: 15.368 min Scan# 2275
Delta R.T. 0.006 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion:225 Resp: 963
Ion Ratio Lower Upper
225 100
223 78.4 31.9 95.7
227 53.2 32.1 96.3

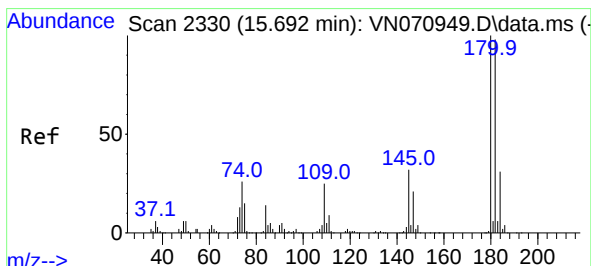
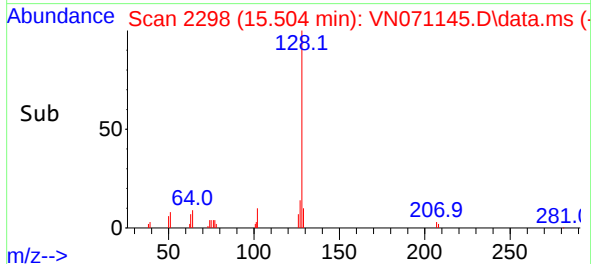
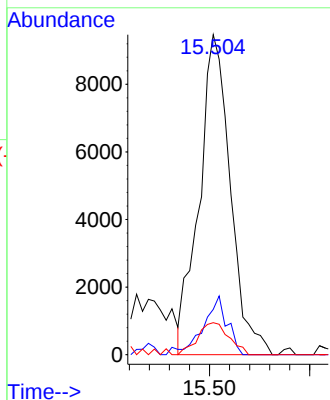
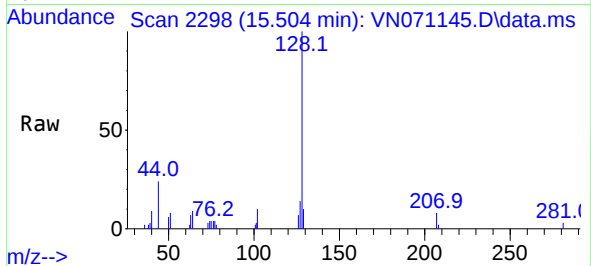




#95
Naphthalene
Concen: 6.200 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0303MBL01

Tgt Ion:	128	Resp:	20515
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.5	15.7
129	10.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.648 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071145.D
Acq: 03 Mar 2022 11:47

Tgt Ion:	180	Resp:	6903
Ion Ratio	Lower	Upper	
180	100		
182	103.9	47.4	142.2
145	33.6	15.0	45.1

