

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070397.D
 Acq On : 30 Dec 2021 14:16
 Operator : JC/MD
 Sample : M5223-01
 Misc : 5.00g/5mL/100uL/5.00mL01/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DB-19-(10-15)-12-22-21

Quant Time: Dec 30 17:36:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

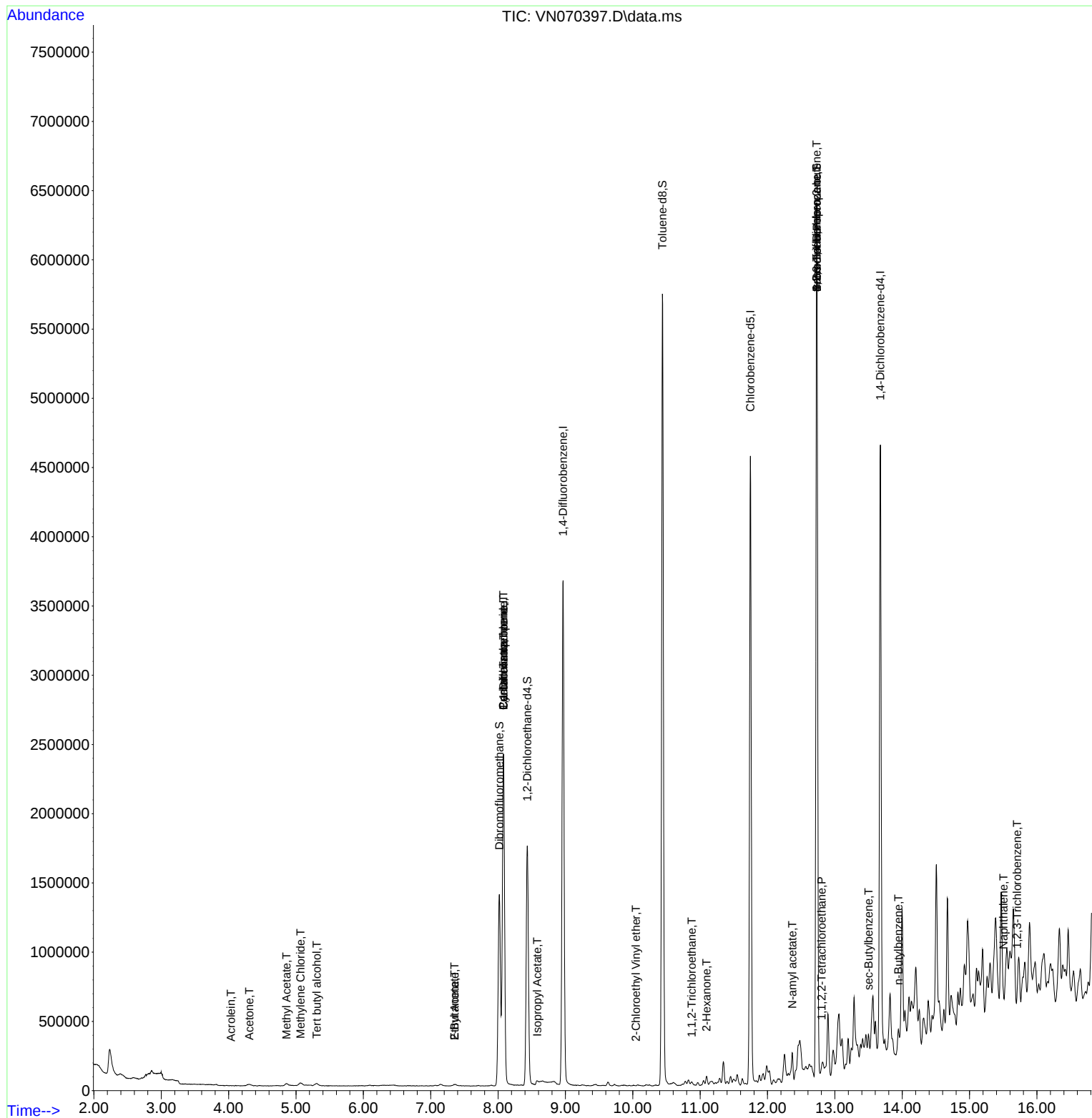
Internal Standards						
1) Pentafluorobenzene	8.080	168	1833741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	3104690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2535162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1163784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	1473060	55.870	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.740%			
35) Dibromofluoromethane	8.019	113	1026250	54.632	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 109.260%			
50) Toluene-d8	10.440	98	3891381	50.710	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.420%			
62) 4-Bromofluorobenzene	12.731	95	1472159	53.115	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 106.240%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.307	59	18435	4.199	ug/l #	72
13) Acrolein	4.036	56	1093	0.307	ug/l #	58
16) Acetone	4.307	43	12401	0.725	ug/l	90
18) Methyl Acetate	4.857	43	37416	0.756	ug/l #	73
20) Methylene Chloride	5.066	84	13722	0.579	ug/l	85
25) 2-Butanone	7.353	43	21377	0.992	ug/l #	83
31) Cyclohexane	8.080	56	43604	1.048	ug/l #	13
36) 1,1-Dichloropropene	8.080	75	148919	4.792	ug/l #	48
37) Ethyl Acetate	7.353	43	21377	0.531	ug/l #	68
38) Carbon Tetrachloride	8.080	117	180695	6.089	ug/l #	16
43) Isopropyl Acetate	8.582	43	31999	0.504	ug/l #	55
55) 1,1,2-Trichloroethane	10.875	97	8345	0.366	ug/l #	25
58) 2-Chloroethyl Vinyl ether	10.046	63	280	18.540	ug/l #	45
59) 2-Hexanone	11.095	43	11755	0.404	ug/l	66
71) Bromoform	12.733	173	12317	0.864	ug/l #	1
74) N-amyl acetate	12.369	43	44913	0.988	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.806	83	7739	0.642	ug/l #	83
76) 1,2,3-Trichloropropane	12.731	75	835546	25.659	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	835546	87.718	ug/l #	6
85) sec-Butylbenzene	13.501	105	46782	0.452	ug/l	88
89) n-Butylbenzene	13.943	91	42606	0.628	ug/l	97
95) Naphthalene	15.504	128	40331	2.530	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.705	180	886	0.874	ug/l #	20

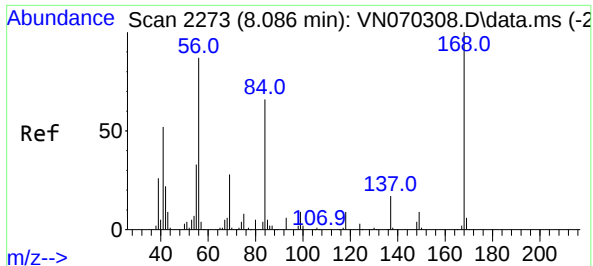
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

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Quant Title : SW846 8260
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Response via : Initial Calibration

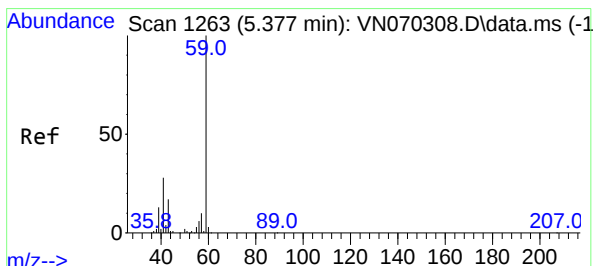
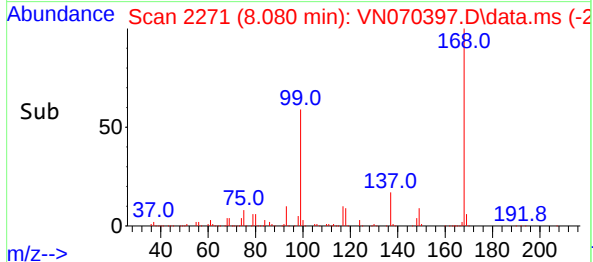
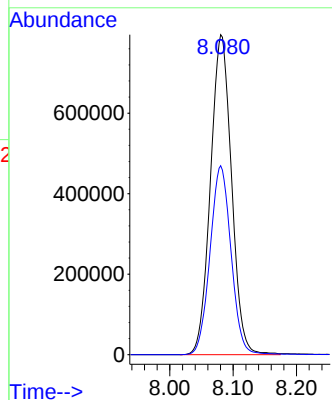
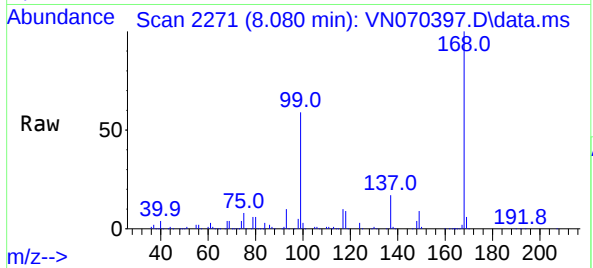




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

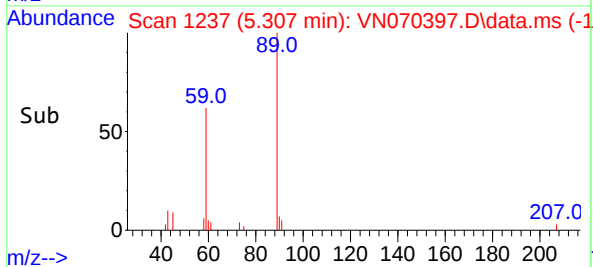
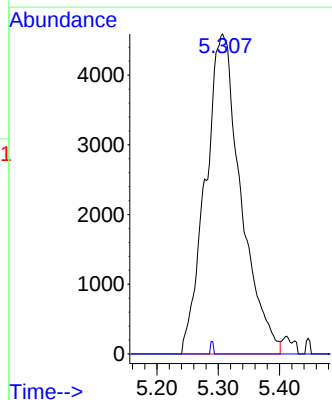
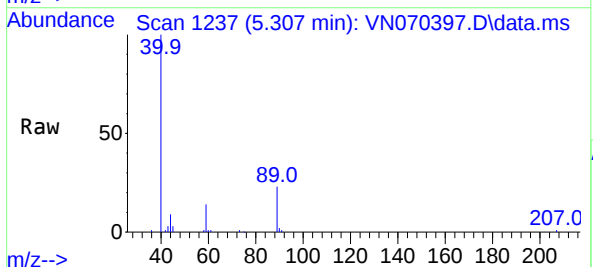
Instrument :
MSVOA_N
ClientSampleId :
DB-19-(10-15)-12-22-21

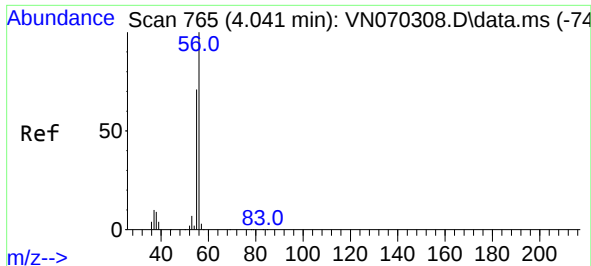
Tgt Ion:168 Resp: 1833741
Ion Ratio Lower Upper
168 100
99 59.0 41.3 61.9



#11
Tert butyl alcohol
Concen: 4.199 ug/l
RT: 5.307 min Scan# 1237
Delta R.T. -0.070 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

Tgt Ion: 59 Resp: 18435
Ion Ratio Lower Upper
59 100
57 0.3 8.7 13.1#

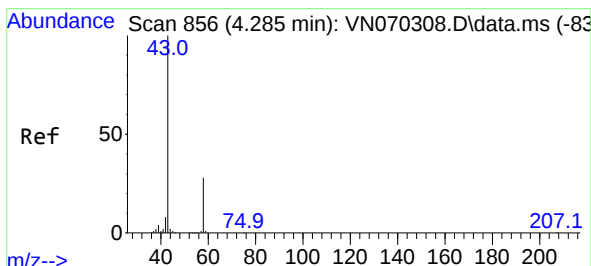
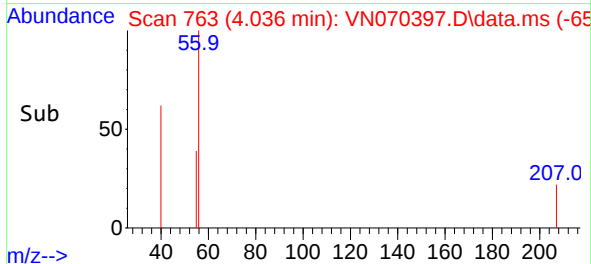
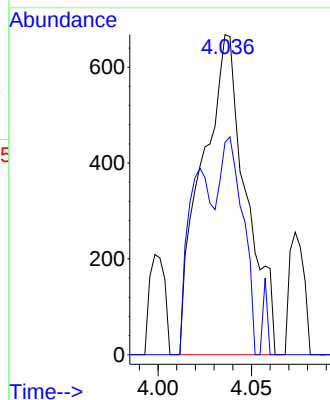
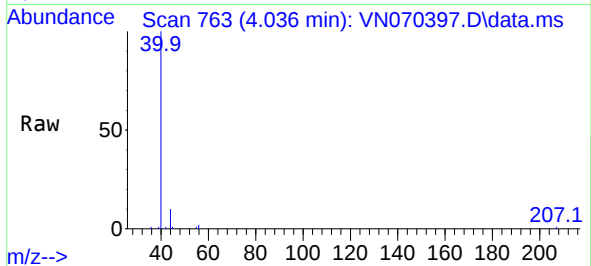




#13
Acrolein
Concen: 0.307 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.005 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

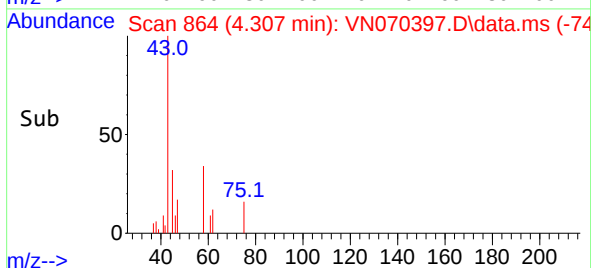
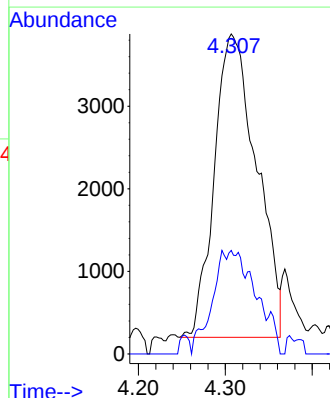
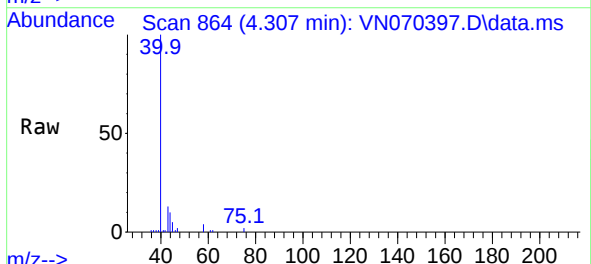
Instrument :
MSVOA_N
ClientSampleId :
DB-19-(10-15)-12-22-21

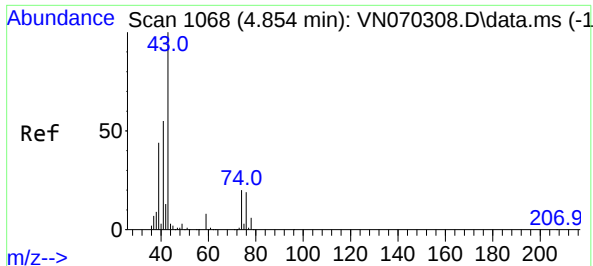
Tgt Ion: 56 Resp: 1093
Ion Ratio Lower Upper
56 100
55 35.9 56.6 85.0#



#16
Acetone
Concen: 0.725 ug/l
RT: 4.307 min Scan# 864
Delta R.T. 0.022 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

Tgt Ion: 43 Resp: 12401
Ion Ratio Lower Upper
43 100
58 34.1 23.1 34.7





#18

Methyl Acetate

Concen: 0.756 ug/l

RT: 4.857 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VN070397.D

Acq: 30 Dec 2021 14:16

Instrument :

MSVOA_N

ClientSampleId :

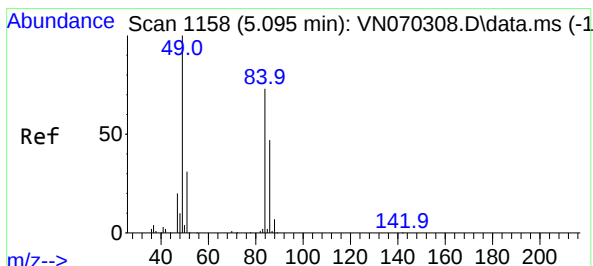
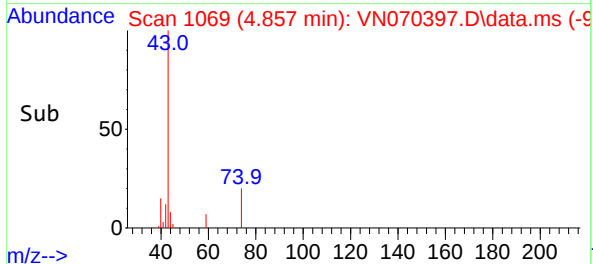
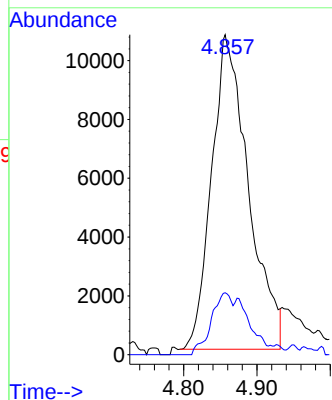
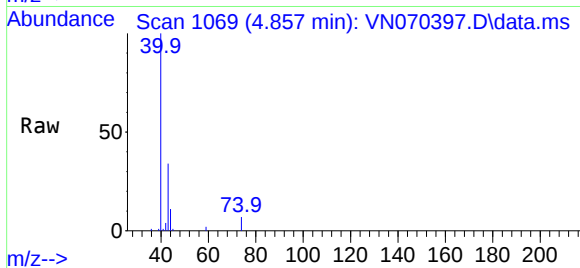
DB-19-(10-15)-12-22-21

Tgt Ion: 43 Resp: 37416

Ion Ratio Lower Upper

43 100

74 11.0 19.4 29.2#



#20

Methylene Chloride

Concen: 0.579 ug/l

RT: 5.066 min Scan# 1147

Delta R.T. -0.029 min

Lab File: VN070397.D

Acq: 30 Dec 2021 14:16

Tgt Ion: 84 Resp: 13722

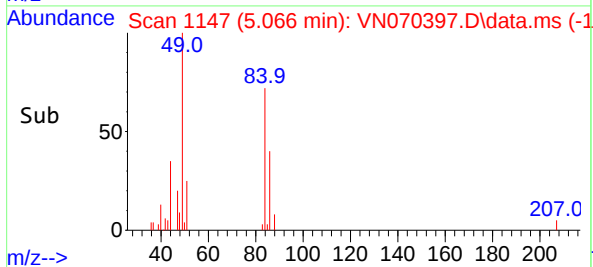
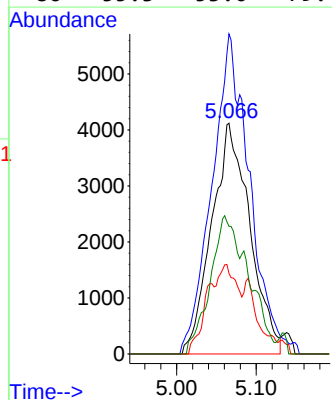
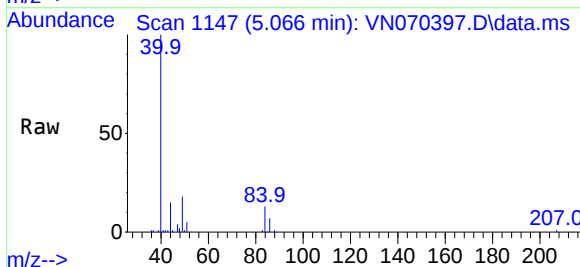
Ion Ratio Lower Upper

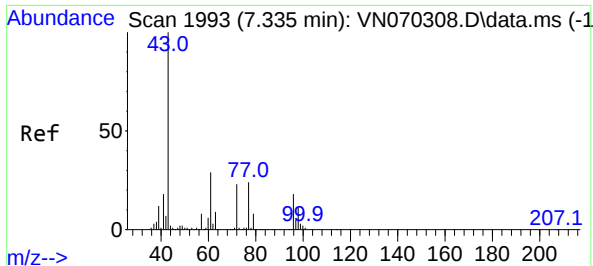
84 100

49 138.6 93.5 140.3

51 34.9 29.4 44.2

86 55.3 53.0 79.4

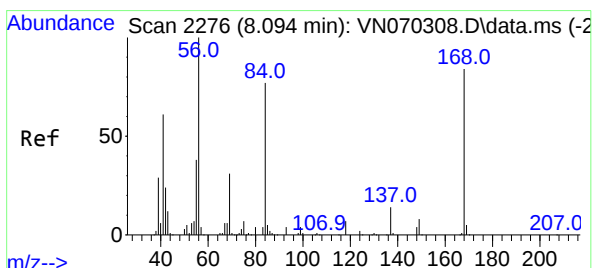
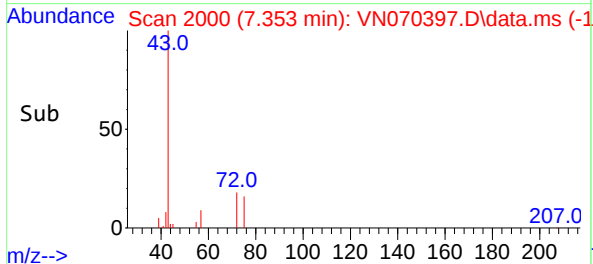
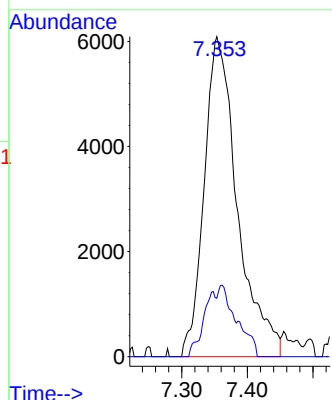
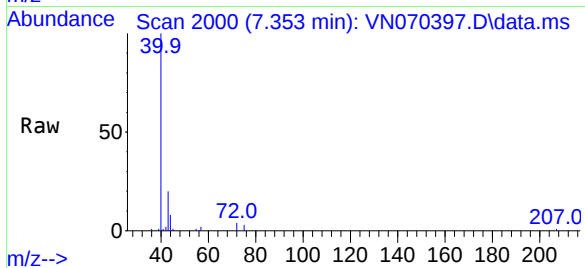




#25
2-Butanone
Concen: 0.992 ug/l
RT: 7.353 min Scan# 20
Delta R.T. 0.018 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

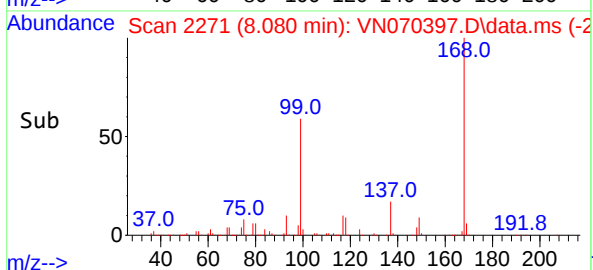
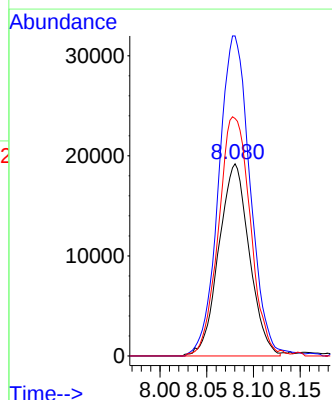
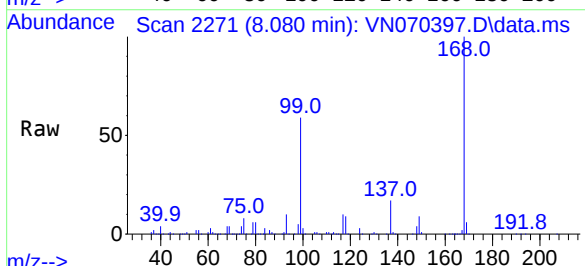
Instrument :
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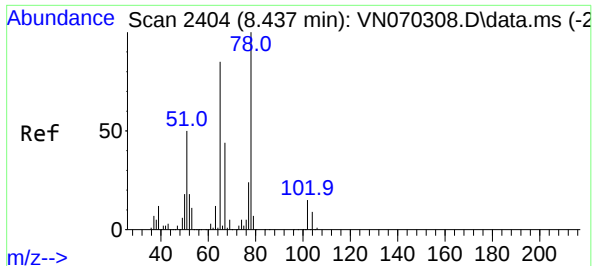
Tgt Ion: 43 Resp: 21377
Ion Ratio Lower Upper
43 100
72 18.2 21.7 32.5#



#31
Cyclohexane
Concen: 1.048 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.014 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

Tgt Ion: 56 Resp: 43604
Ion Ratio Lower Upper
56 100
69 166.5 27.1 40.7#
84 123.5 73.4 110.0#

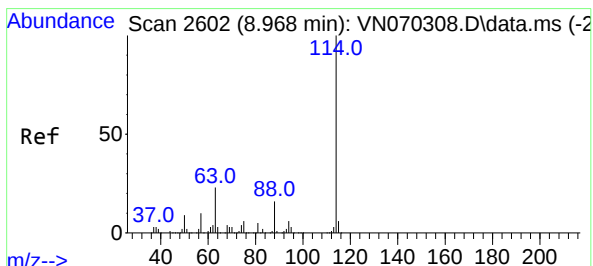
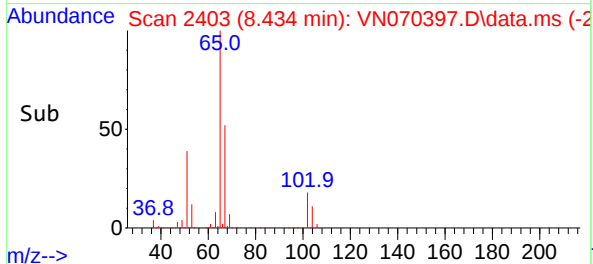
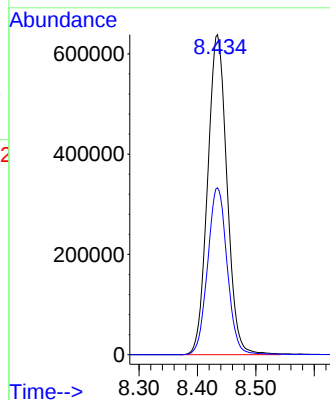
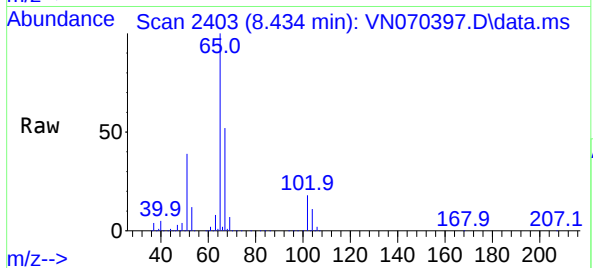




#33
1,2-Dichloroethane-d4
Concen: 55.870 ug/l
RT: 8.434 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

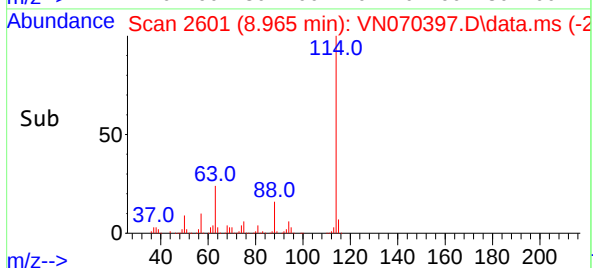
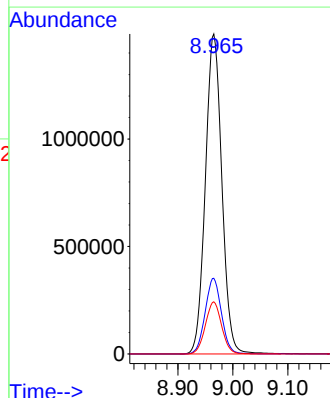
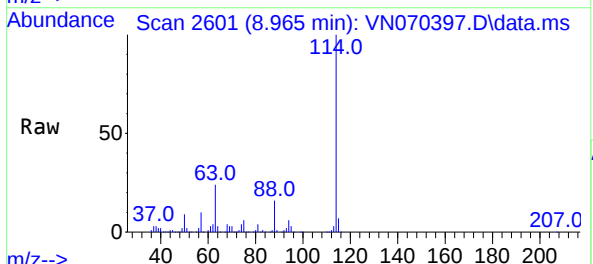
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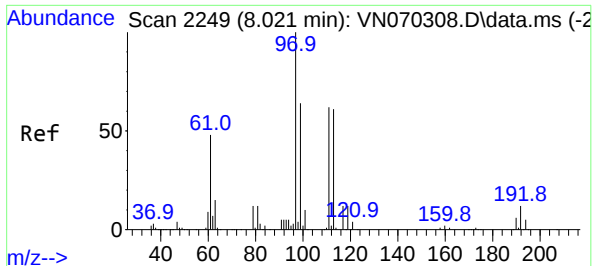
Tgt Ion: 65 Resp: 1473060
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

Tgt Ion:114 Resp: 3104690
Ion Ratio Lower Upper
114 100
63 23.7 0.0 37.8
88 16.3 0.0 27.4

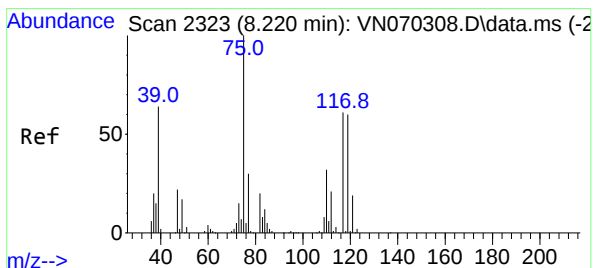
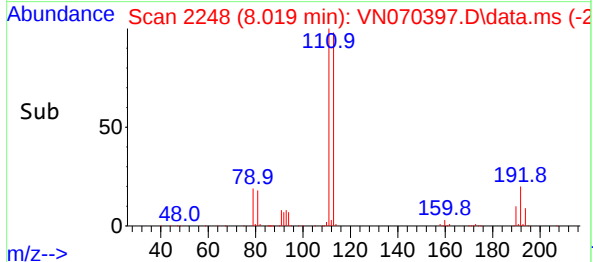
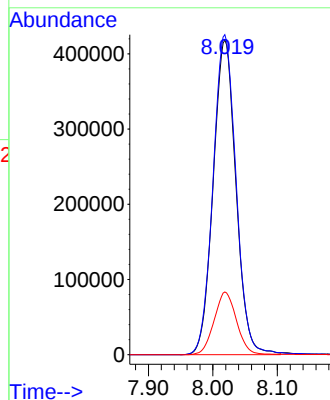
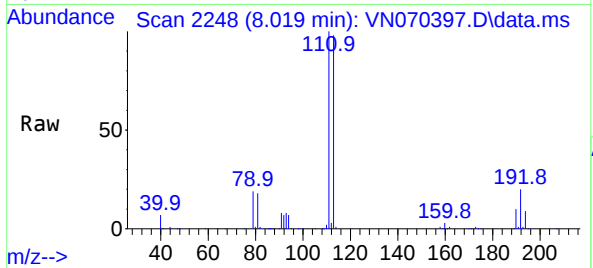




#35
Dibromofluoromethane
Concen: 54.632 ug/l
RT: 8.019 min Scan# 211
Delta R.T. -0.002 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

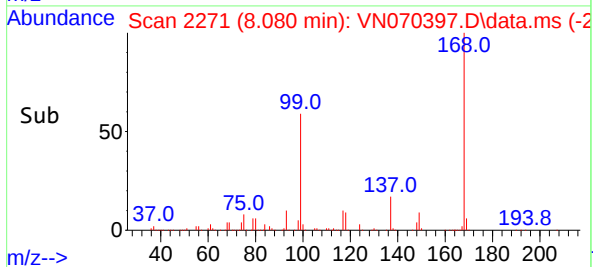
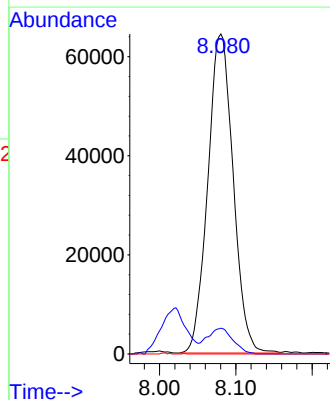
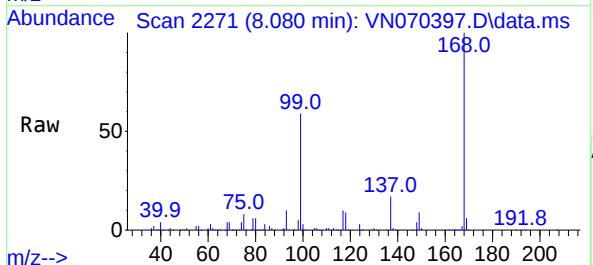
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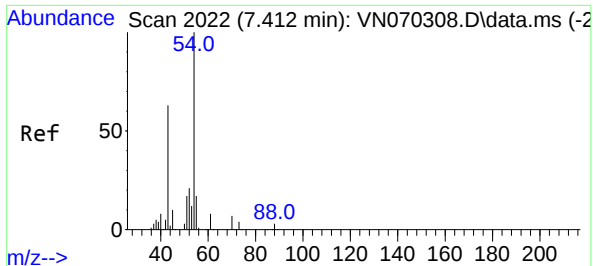
Tgt Ion:113 Resp: 1026250
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.792 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.140 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

Tgt Ion: 75 Resp: 148919
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 24.4 36.6#

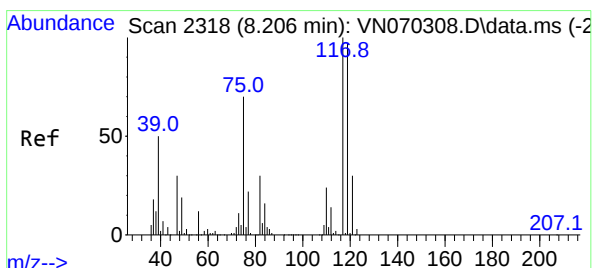
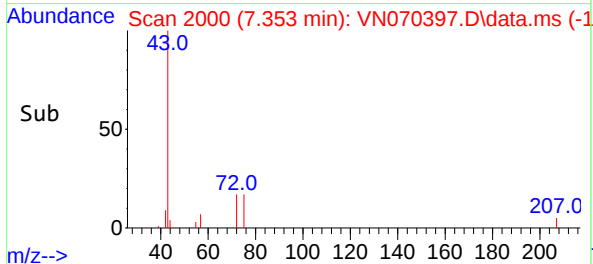
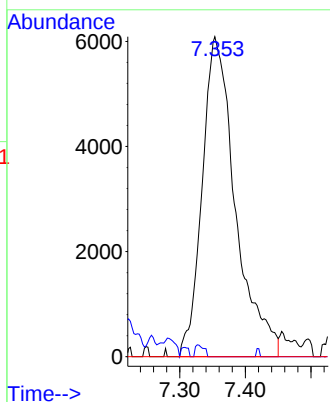
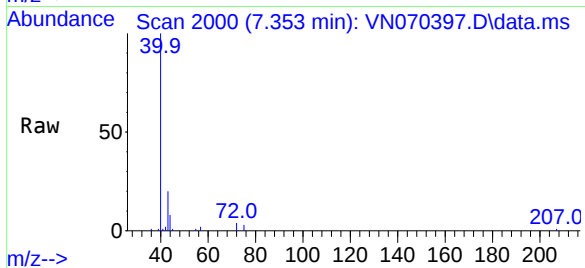




#37
Ethyl Acetate
Concen: 0.531 ug/l
RT: 7.353 min Scan# 20
Delta R.T. -0.059 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

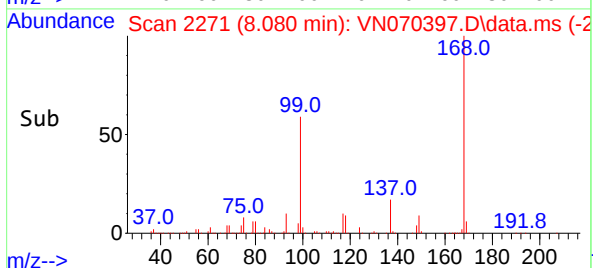
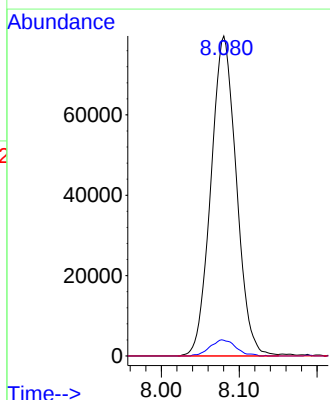
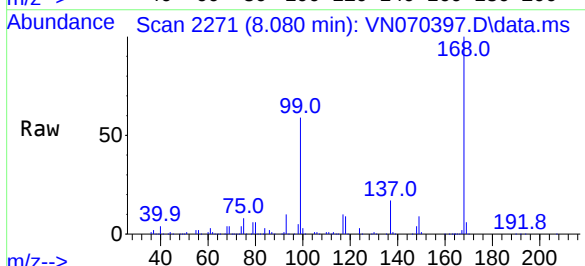
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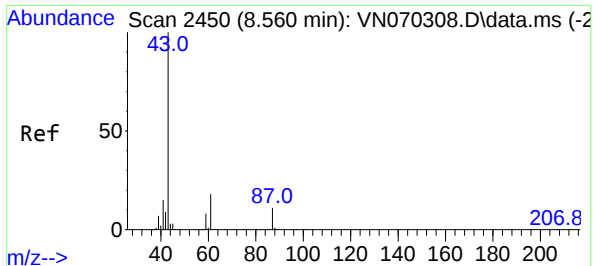
Tgt Ion: 43 Resp: 21377
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.089 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.126 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

Tgt Ion: 117 Resp: 180695
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#

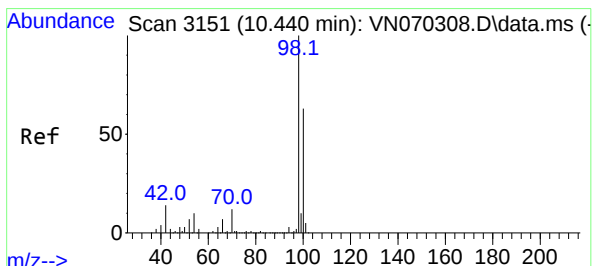
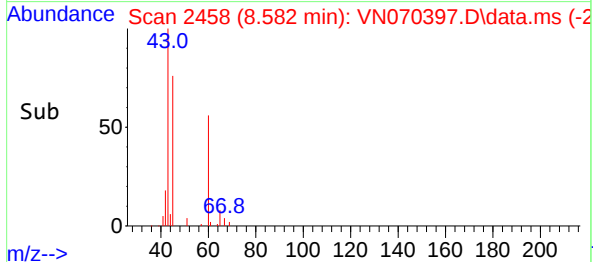
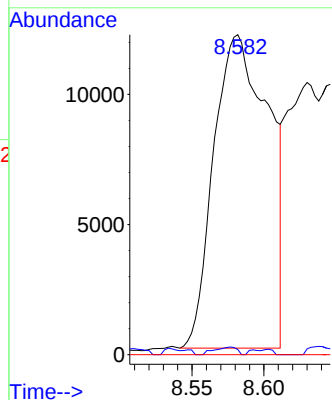
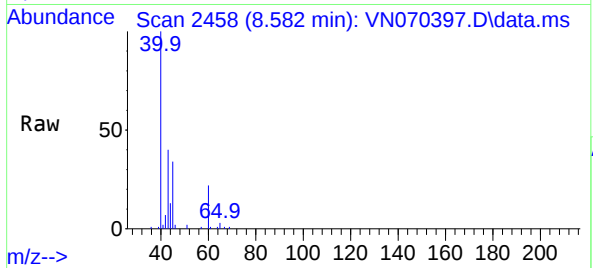




#43
Isopropyl Acetate
Concen: 0.504 ug/l
RT: 8.582 min Scan# 2450
Delta R.T. 0.022 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

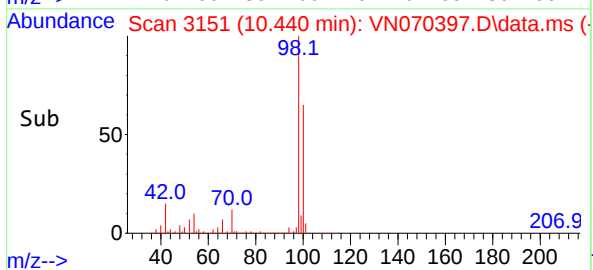
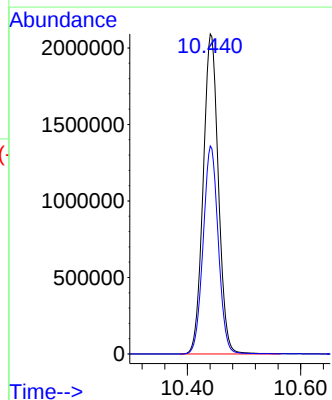
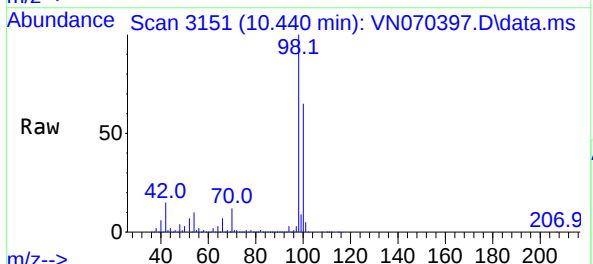
Instrument :
MSVOA_N
ClientSampleId :
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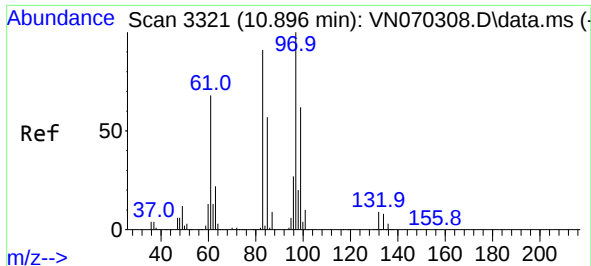
Tgt Ion: 43 Resp: 31999
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 50.710 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

Tgt Ion: 98 Resp: 3891381
Ion Ratio Lower Upper
98 100
100 64.7 50.4 75.6

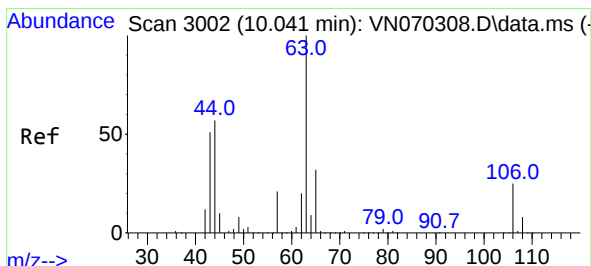
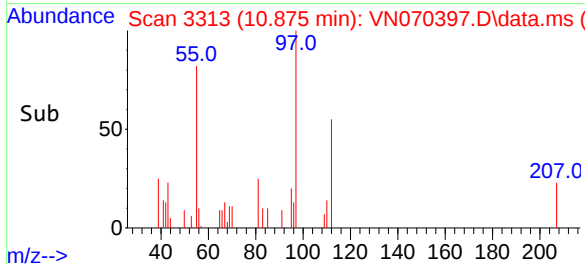
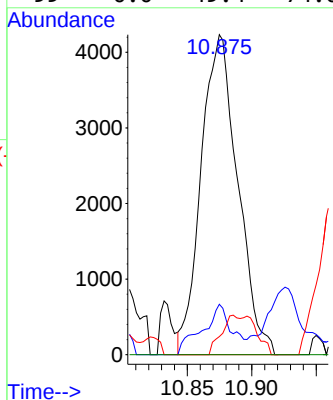
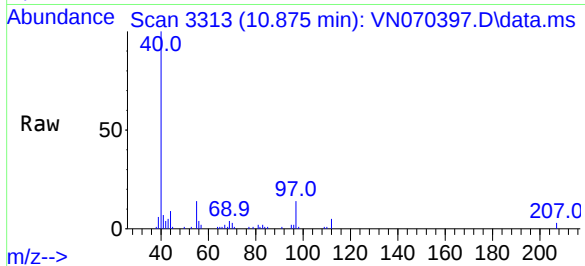




#55
1,1,2-Trichloroethane
Concen: 0.366 ug/l
RT: 10.875 min Scan# 31
Delta R.T. -0.021 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

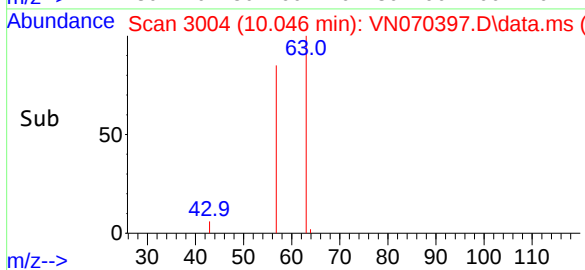
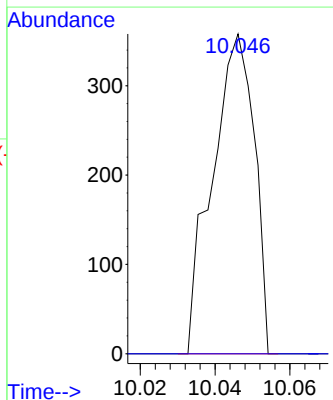
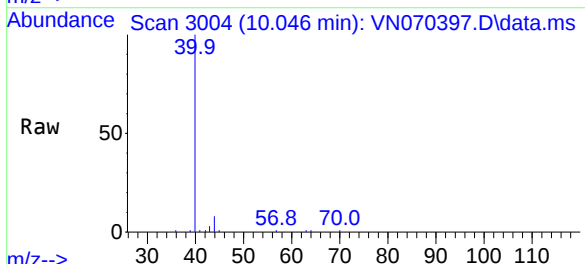
Instrument :
MSVOA_N
ClientSampleId :
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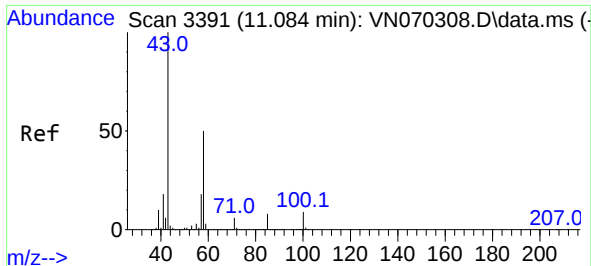
Tgt Ion:	97	Resp:	8345
Ion	Ratio	Lower	Upper
97	100		
83	15.8	67.8	101.6#
85	5.7	45.4	68.2#
99	0.0	49.4	74.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.540 ug/l
RT: 10.046 min Scan# 3004
Delta R.T. 0.005 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

Tgt Ion:	63	Resp:	280
Ion	Ratio	Lower	Upper
63	100		
106	0.0	23.9	35.9#

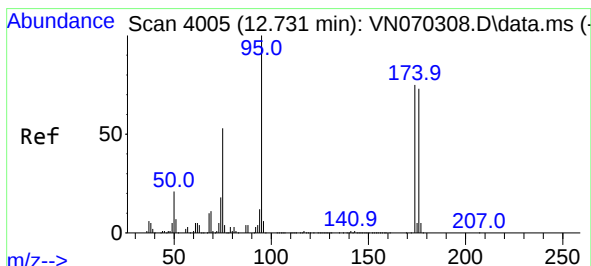
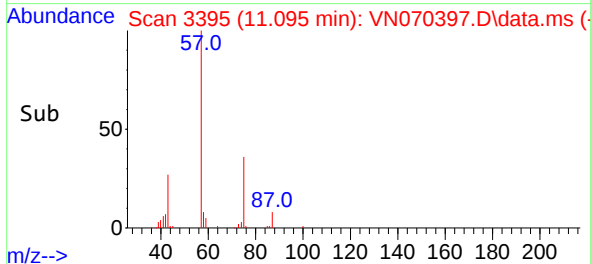
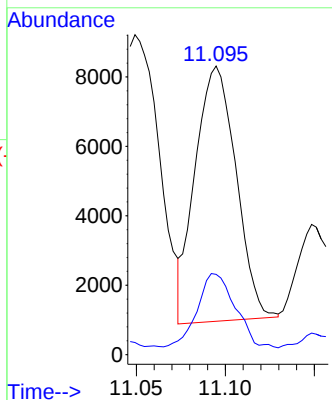
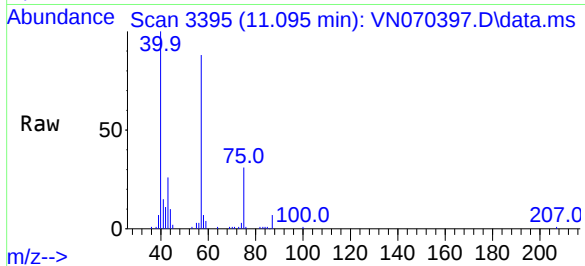




#59
2-Hexanone
Concen: 0.404 ug/l
RT: 11.095 min Scan# 31
Delta R.T. 0.011 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

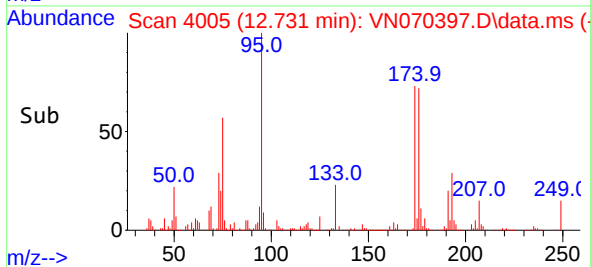
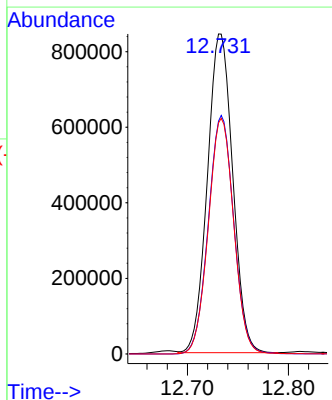
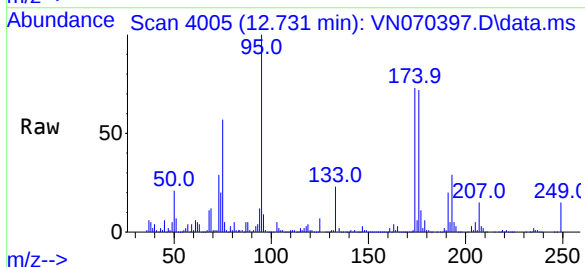
Instrument :
MSVOA_N
ClientSampleId :
DB-19-(10-15)-12-22-21

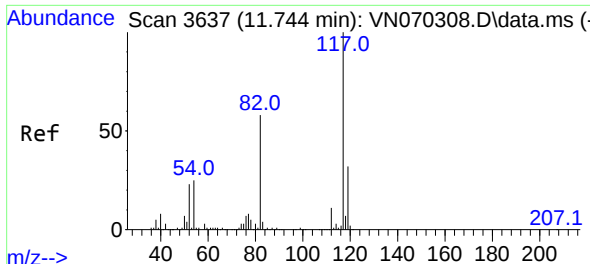
Tgt Ion: 43 Resp: 11755
Ion Ratio Lower Upper
43 100
58 29.2 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 53.115 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

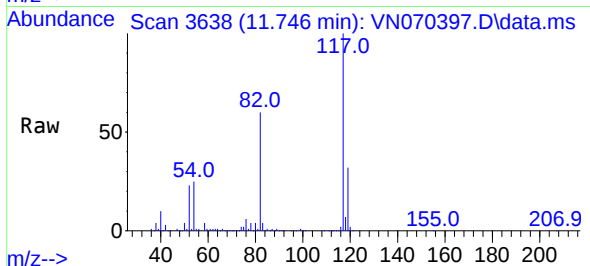
Tgt Ion: 95 Resp: 1472159
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 74.1 0.0 181.4





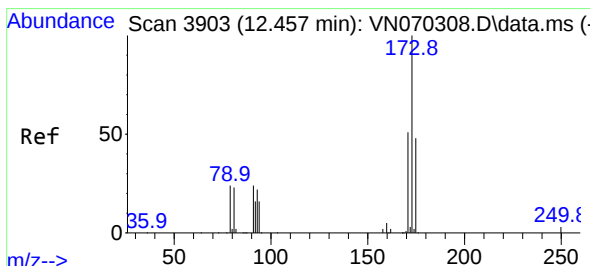
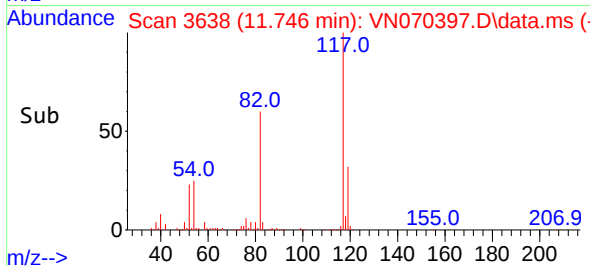
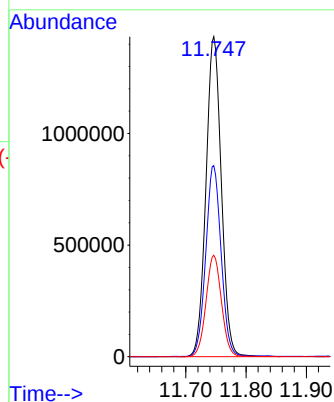
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 30
Delta R.T. 0.002 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

Instrument :
MSVOA_N
ClientSampleId :
DB-19-(10-15)-12-22-21



Tgt Ion:117 Resp: 2535162

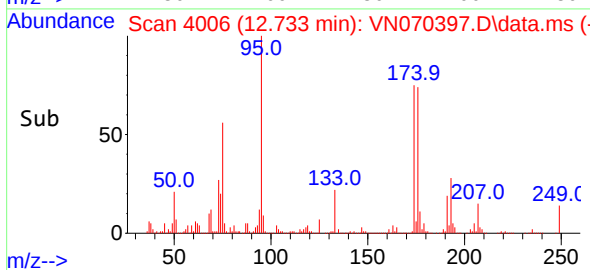
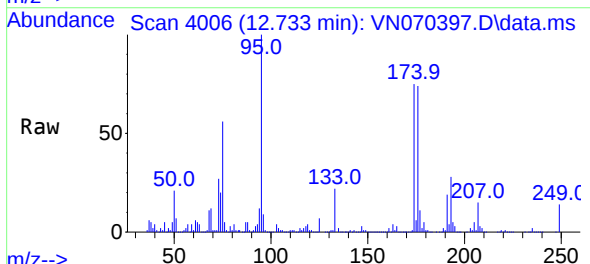
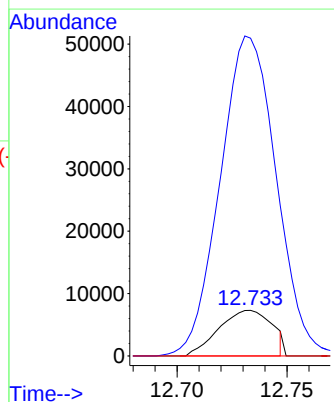
Ion	Ratio	Lower	Upper
117	100		
82	59.6	42.4	63.6
119	31.7	25.4	38.2

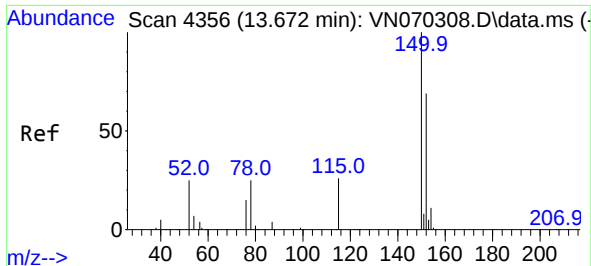


#71
Bromoform
Concen: 0.864 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.276 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

Tgt Ion:173 Resp: 12317

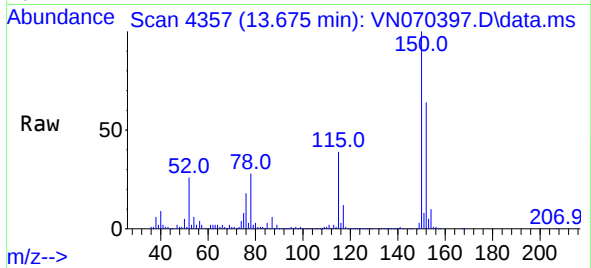
Ion	Ratio	Lower	Upper
173	100		
175	673.4	24.2	72.6
254	0.0	0.0	0.0



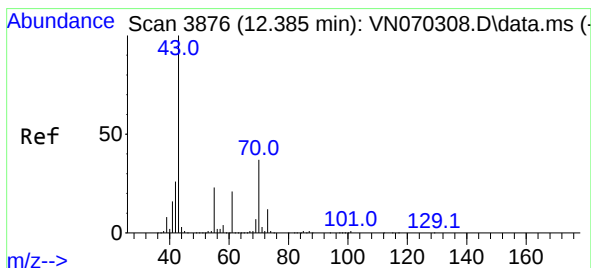
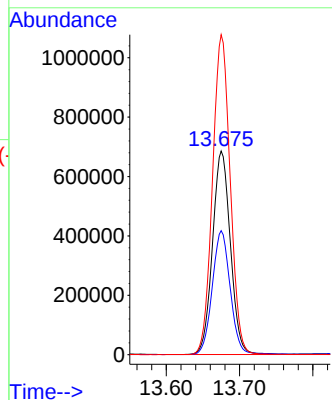
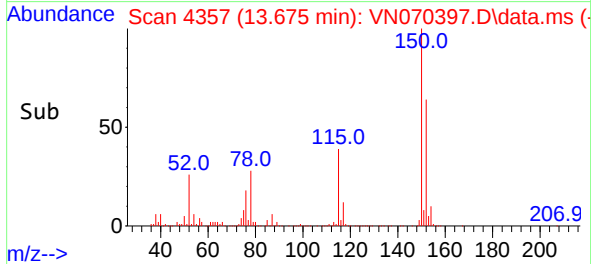


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

Instrument :
MSVOA_N
ClientSampleId :
DB-19-(10-15)-12-22-21

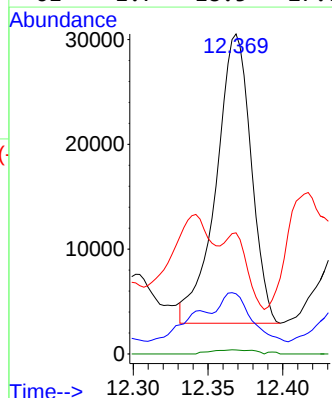
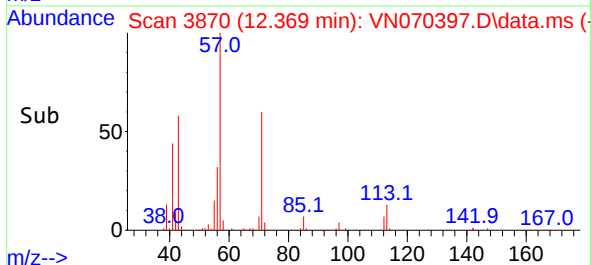
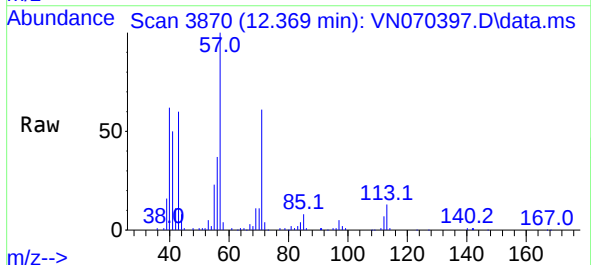


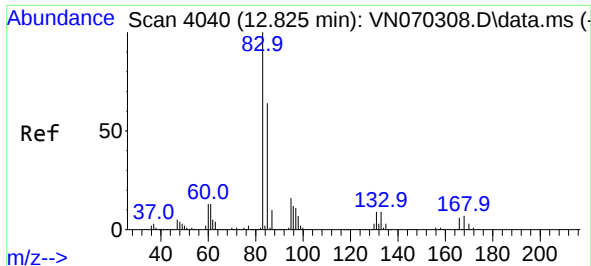
Tgt Ion:152 Resp: 1163784
Ion Ratio Lower Upper
152 100
115 61.1 27.5 82.5
150 154.9 0.0 344.4



#74
N-ethyl acetate
Concen: 0.988 ug/l
RT: 12.369 min Scan# 3870
Delta R.T. -0.016 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

Tgt Ion: 43 Resp: 44913
Ion Ratio Lower Upper
43 100
70 15.3 33.4 50.0#
55 0.0 19.3 28.9#
61 1.7 18.5 27.7#

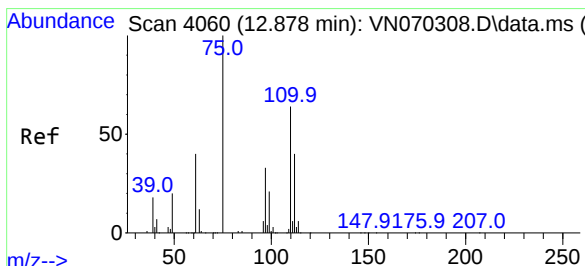
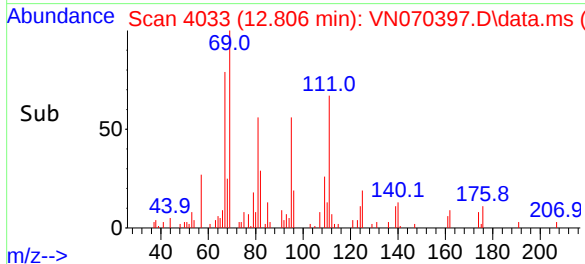
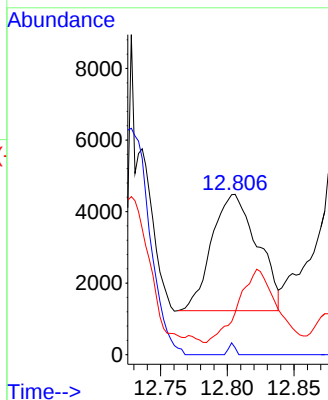
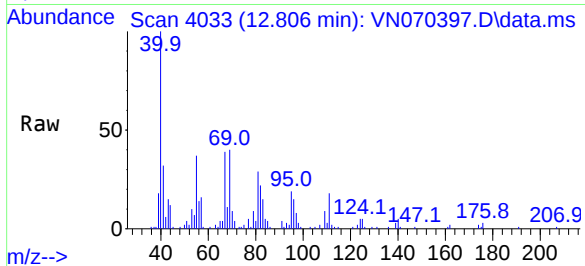




#75
1,1,2,2-Tetrachloroethane
Concen: 0.642 ug/l
RT: 12.806 min Scan# 4005
Delta R.T. -0.019 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

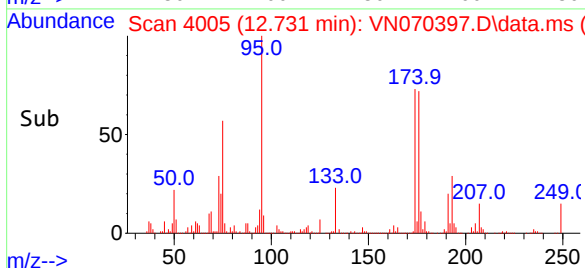
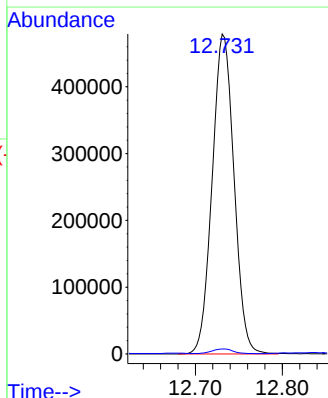
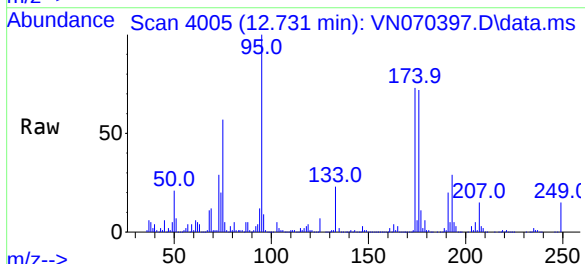
Instrument :
MSVOA_N
ClientSampleId :
DB-19-(10-15)-12-22-21

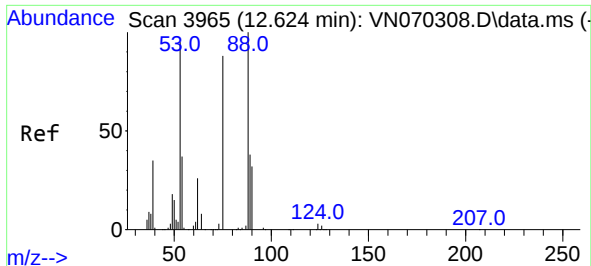
Tgt Ion: 83 Resp: 7739
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 53.2 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 25.659 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

Tgt Ion: 75 Resp: 835546
Ion Ratio Lower Upper
75 100
77 1.4 82.6 247.8#

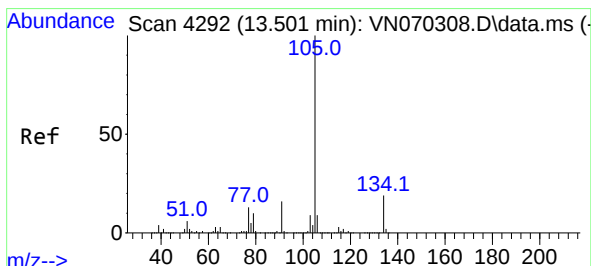
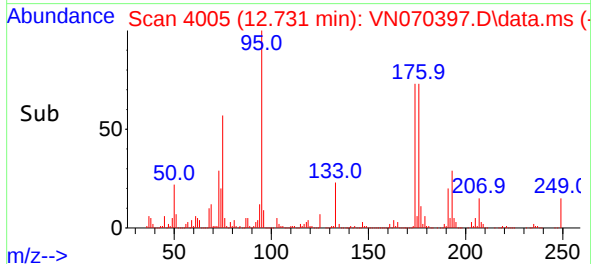
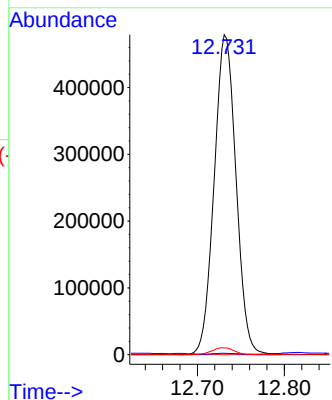
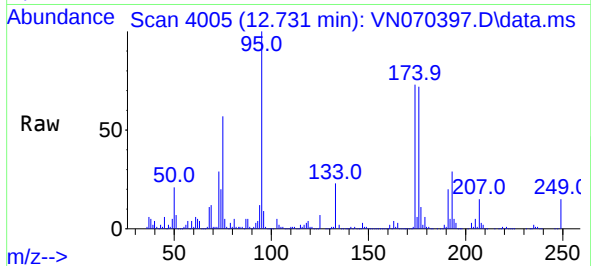




#81
trans-1,4-Dichloro-2-butene
Concen: 87.718 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

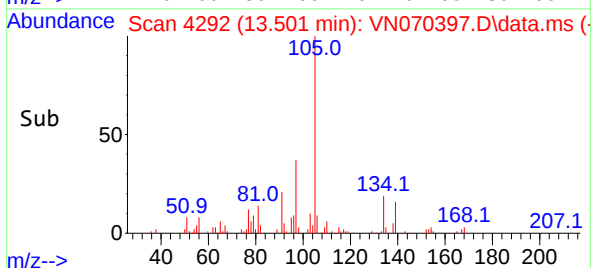
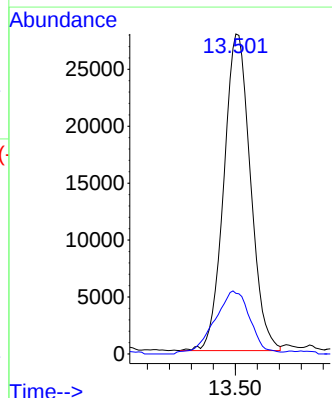
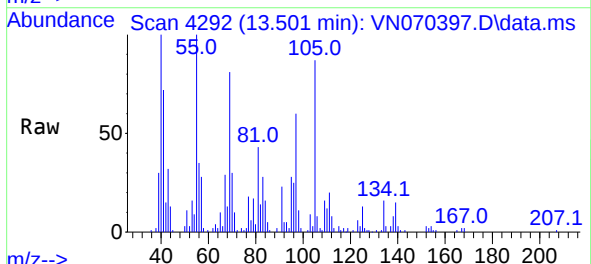
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MSVOA_N
ClientSampleId :
DB-19-(10-15)-12-22-21

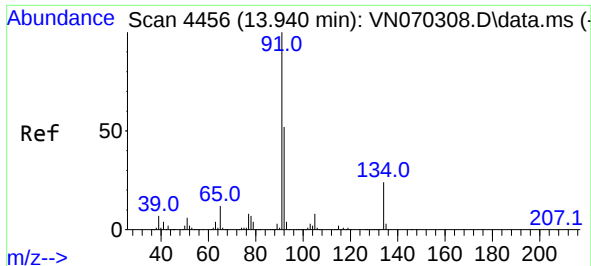
Tgt Ion: 75 Resp: 835546
Ion Ratio Lower Upper
75 100
53 0.3 90.5 135.7#
89 2.2 38.2 57.4#



#85
sec-Butylbenzene
Concen: 0.452 ug/l
RT: 13.501 min Scan# 4292
Delta R.T. -0.000 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

Tgt Ion:105 Resp: 46782
Ion Ratio Lower Upper
105 100
134 26.5 10.4 31.1

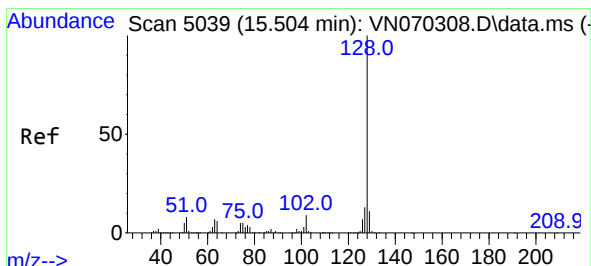
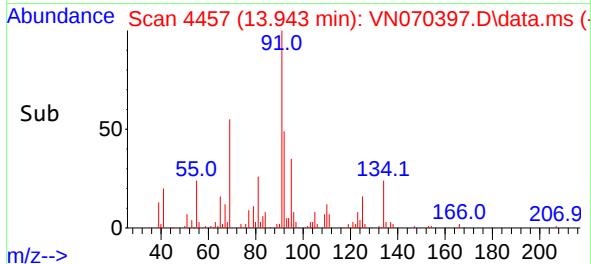
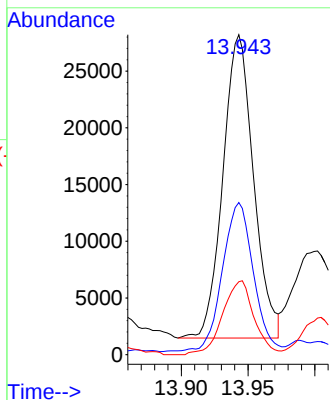
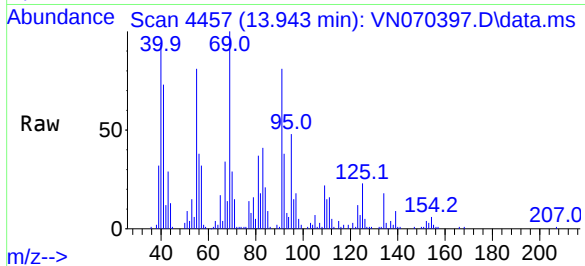




#89
n-Butylbenzene
Concen: 0.628 ug/l
RT: 13.943 min Scan# 4456
Delta R.T. 0.003 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

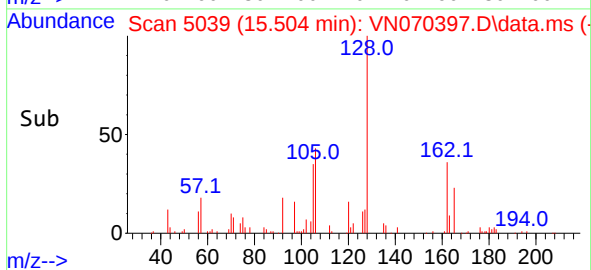
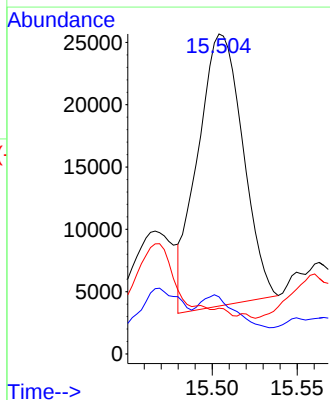
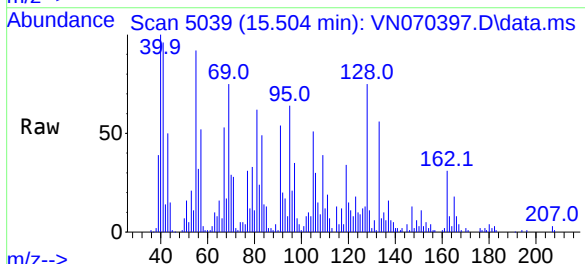
Instrument :
MSVOA_N
ClientSampleId :
DB-19-(10-15)-12-22-21

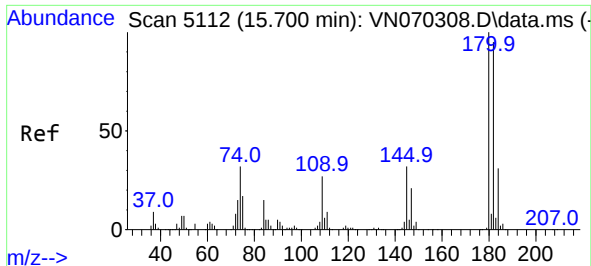
Tgt Ion: 91	Resp: 42606
Ion Ratio	Lower Upper
91	100
92	48.7 25.4 76.0
134	25.0 13.6 40.8



#95
Naphthalene
Concen: 2.530 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070397.D
Acq: 30 Dec 2021 14:16

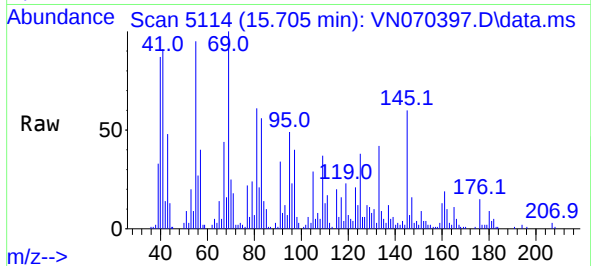
Tgt Ion: 128	Resp: 40331
Ion Ratio	Lower Upper
128	100
127	10.0 10.5 15.7#
129	0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.874 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.005 min
 Lab File: VN070397.D
 Acq: 30 Dec 2021 14:16

Instrument :
 MSVOA_N
 ClientSampleId :
 DB-19-(10-15)-12-22-21



Tgt Ion:180 Resp: 886
 Ion Ratio Lower Upper
 180 100
 182 180.6 47.4 142.2#
 145 0.0 15.0 45.1#

