

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122921\
 Data File : VN070375.D
 Acq On : 30 Dec 2021 4:11
 Operator : JC/MD
 Sample : M5007-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 30 07:17:45 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)

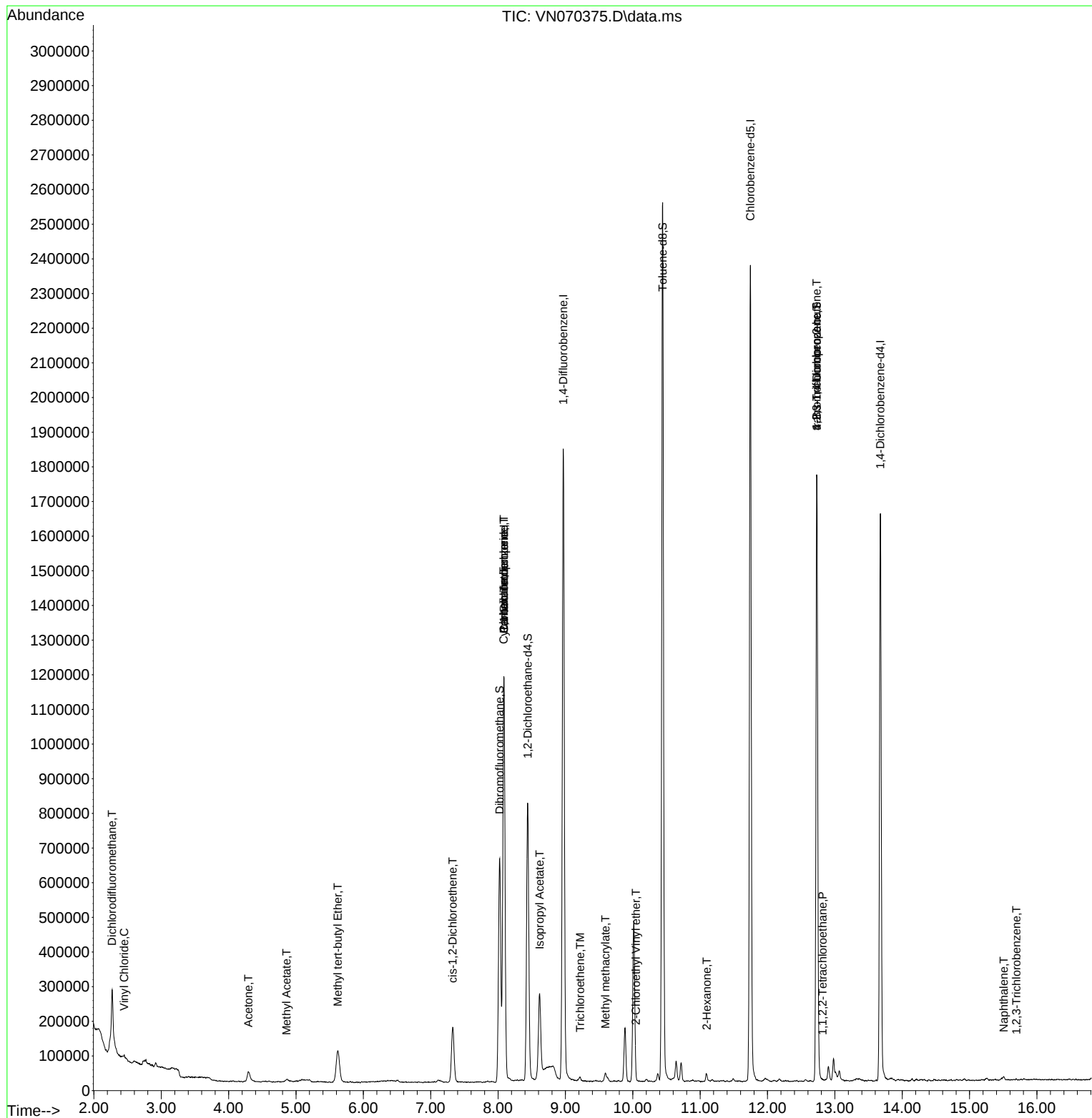
Internal Standards						
1) Pentafluorobenzene	8.088	168	886012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1558142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1358281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	453578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	675343	53.013	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	106.020%
35) Dibromofluoromethane	8.024	113	478935	50.802	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.600%
50) Toluene-d8	10.443	98	1743649	45.275	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	90.540%
62) 4-Bromofluorobenzene	12.731	95	629228	45.236	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.271	85	18086	1.800	ug/l	99
4) Vinyl Chloride	2.448	62	3775	0.303	ug/l #	86
16) Acetone	4.293	43	53945	6.523	ug/l	98
18) Methyl Acetate	4.859	43	5942	0.248	ug/l	95
19) Methyl tert-butyl Ether	5.621	73	135175	4.034	ug/l	92
27) cis-1,2-Dichloroethene	7.327	96	90871	7.971	ug/l	97
31) Cyclohexane	8.083	56	21425	1.066	ug/l #	22
36) 1,1-Dichloropropene	8.086	75	72050	4.620	ug/l #	49
38) Carbon Tetrachloride	8.088	117	89031	5.978	ug/l #	16
43) Isopropyl Acetate	8.617	43	88106	2.764	ug/l #	55
44) Trichloroethene	9.217	130	2952	0.260	ug/l	85
48) Methyl methacrylate	9.595	41	8108	0.533	ug/l #	26
58) 2-Chloroethyl Vinyl ether	10.046	63	133	18.538	ug/l #	45
59) 2-Hexanone	11.097	43	4717	0.323	ug/l	71
75) 1,1,2,2-Tetrachloroethane	12.819	83	104	0.454	ug/l #	25
76) 1,2,3-Trichloropropane	12.731	75	334405	26.276	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	334405	90.076	ug/l #	5
95) Naphthalene	15.507	128	9543	2.242	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.694	180	1015	0.966	ug/l	95

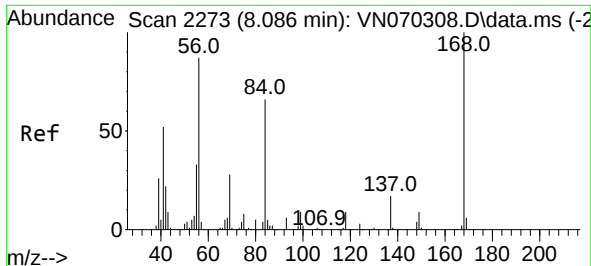
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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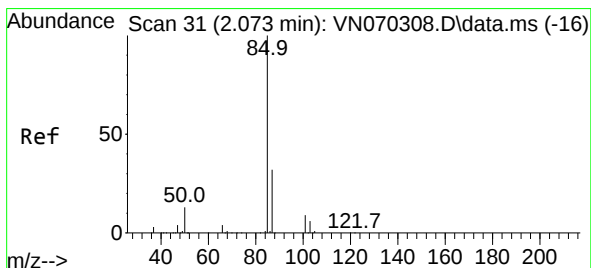
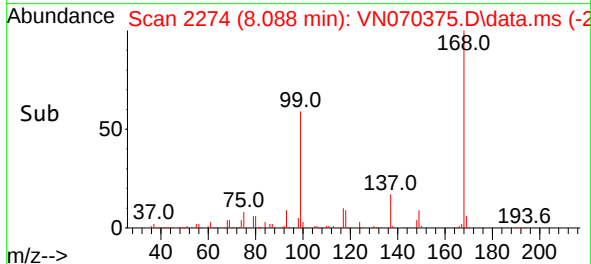
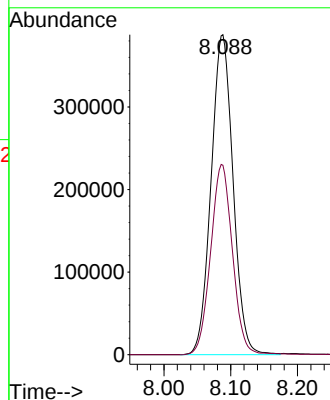
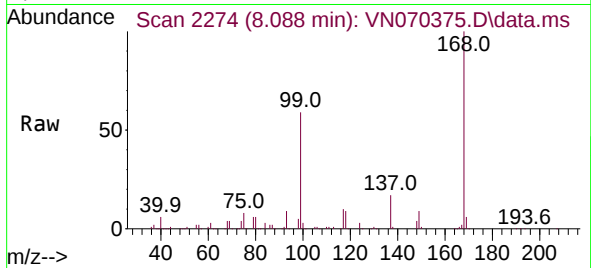




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

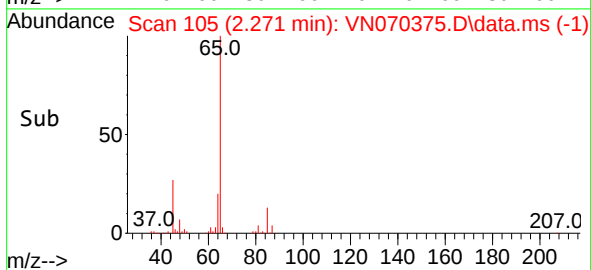
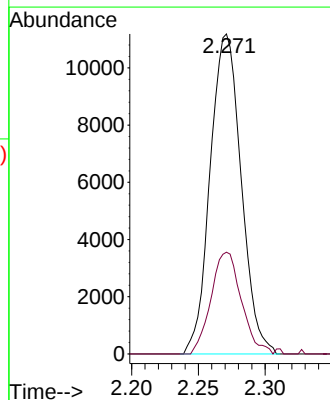
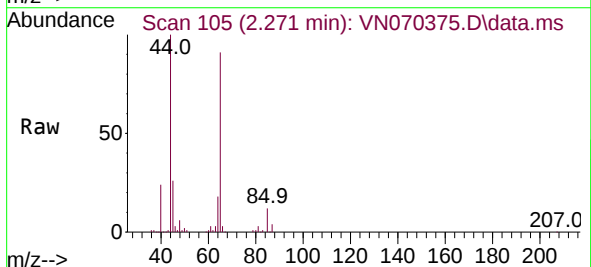
Instrument :
MSVOA_N
ClientSampleId :

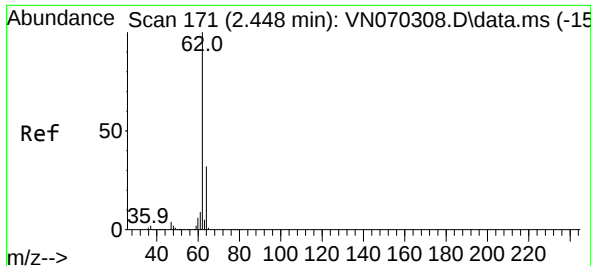
Tgt Ion:168 Resp: 886012
Ion Ratio Lower Upper
168 100
99 59.2 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 1.800 ug/l
RT: 2.271 min Scan# 105
Delta R.T. 0.198 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

Tgt Ion: 85 Resp: 18086
Ion Ratio Lower Upper
85 100
87 31.8 16.3 48.9

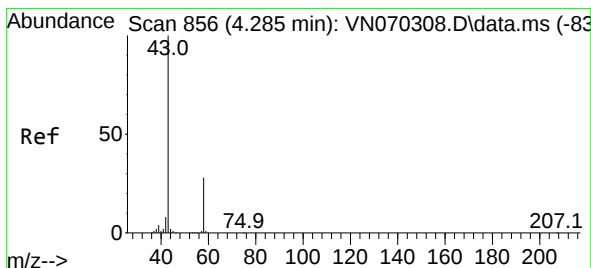
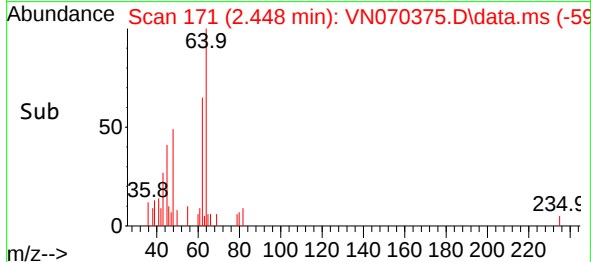
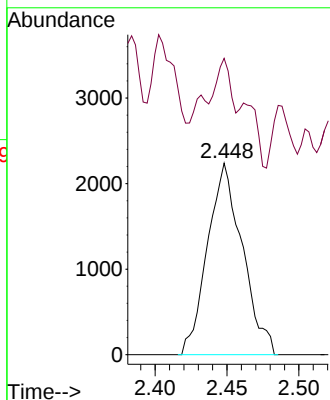
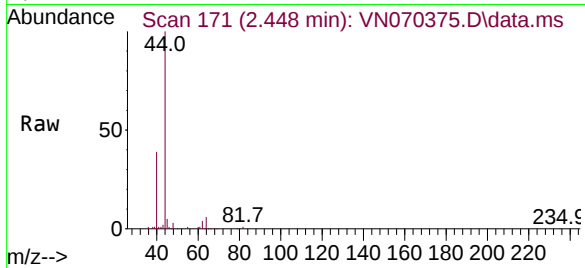




#4
 Vinyl Chloride
 Concen: 0.303 ug/l
 RT: 2.448 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN070375.D
 Acq: 30 Dec 2021 4:11

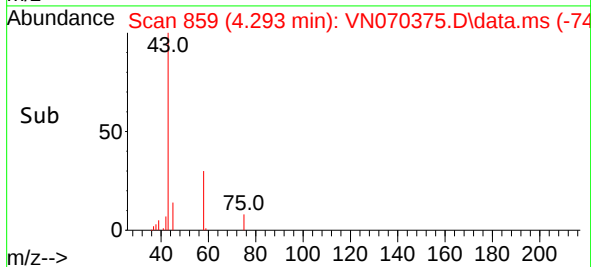
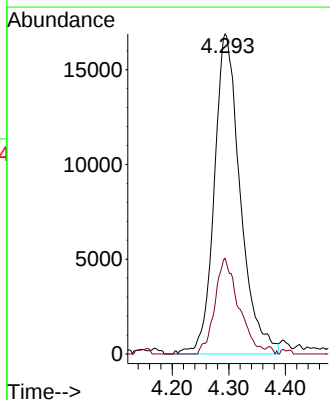
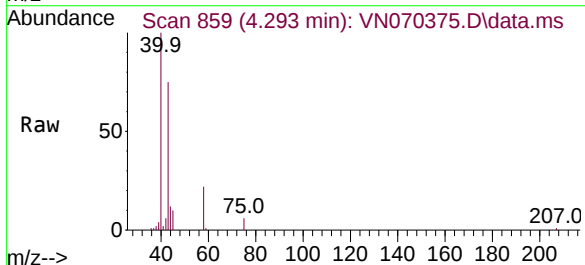
Instrument :
 MSVOA_N
 ClientSampleId :

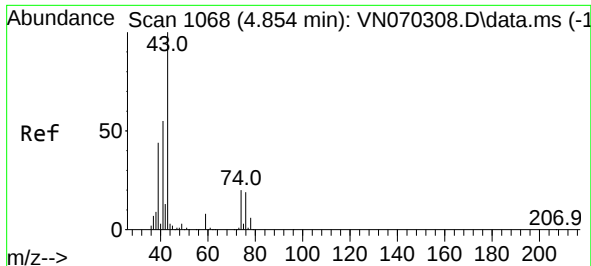
Tgt Ion: 62 Resp: 3775
 Ion Ratio Lower Upper
 62 100
 64 24.5 25.8 38.6#



#16
 Acetone
 Concen: 6.523 ug/l
 RT: 4.293 min Scan# 859
 Delta R.T. 0.008 min
 Lab File: VN070375.D
 Acq: 30 Dec 2021 4:11

Tgt Ion: 43 Resp: 53945
 Ion Ratio Lower Upper
 43 100
 58 29.9 23.1 34.7

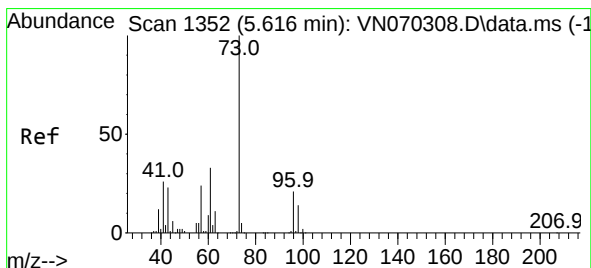
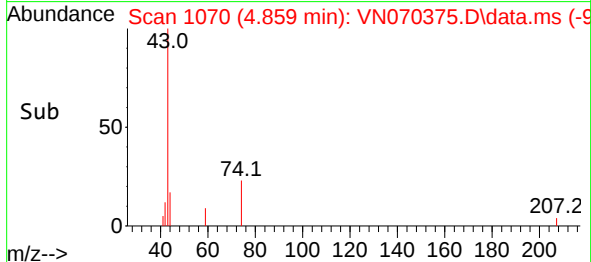
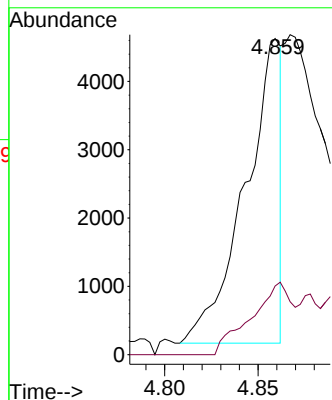
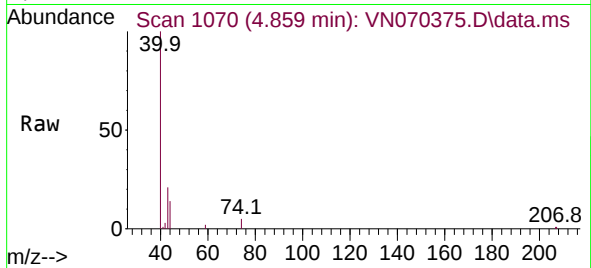




#18
Methyl Acetate
Concen: 0.248 ug/l
RT: 4.859 min Scan# 1068
Delta R.T. 0.005 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

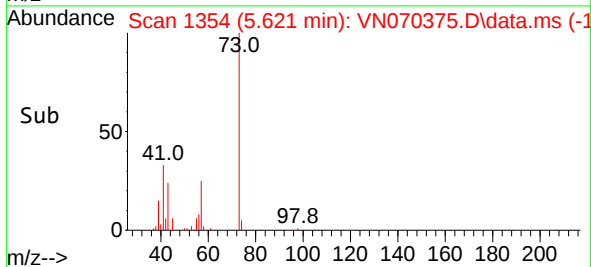
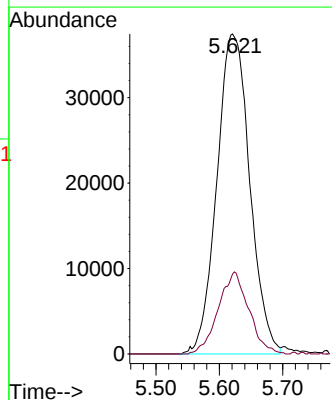
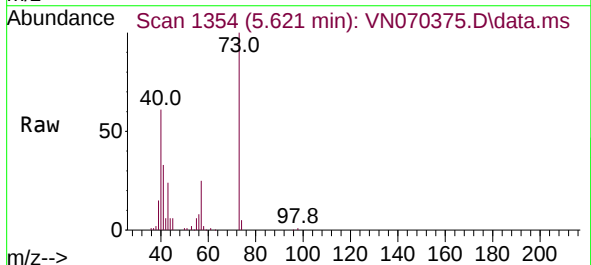
Instrument :
MSVOA_N
ClientSampleId :

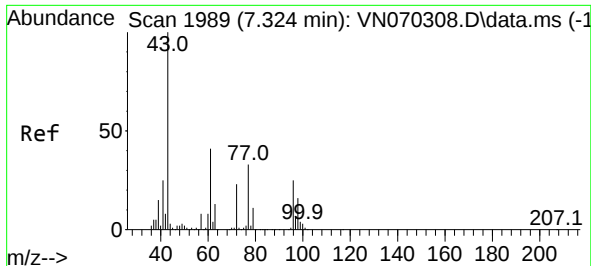
Tgt Ion: 43 Resp: 5942
Ion Ratio Lower Upper
43 100
74 26.8 19.4 29.2



#19
Methyl tert-butyl Ether
Concen: 4.034 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. 0.005 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

Tgt Ion: 73 Resp: 135175
Ion Ratio Lower Upper
73 100
57 25.0 16.8 25.2





#27

cis-1,2-Dichloroethene

Concen: 7.971 ug/l

RT: 7.327 min Scan# 1989

Delta R.T. 0.003 min

Lab File: VN070375.D

Acq: 30 Dec 2021 4:11

Instrument :

MSVOA_N

ClientSampleId :

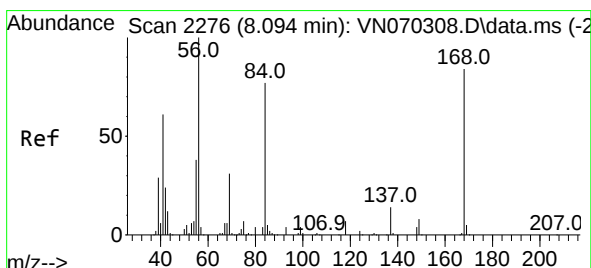
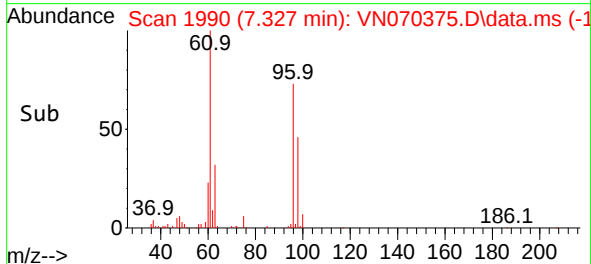
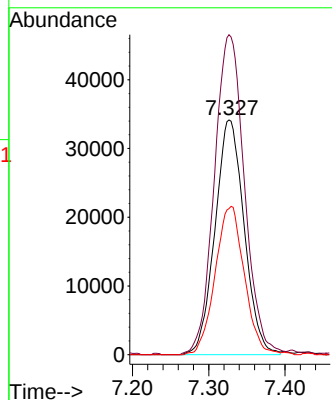
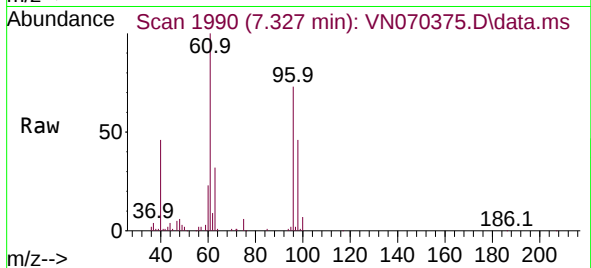
Tgt Ion: 96 Resp: 90871

Ion Ratio Lower Upper

96 100

61 140.9 0.0 275.0

98 63.0 0.0 129.6



#31

Cyclohexane

Concen: 1.066 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN070375.D

Acq: 30 Dec 2021 4:11

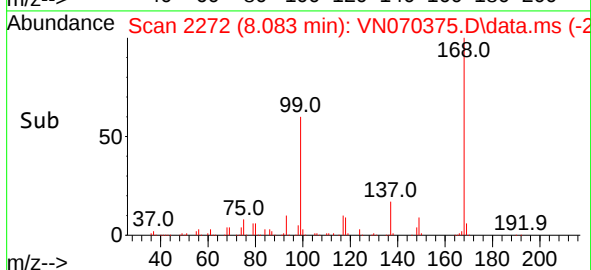
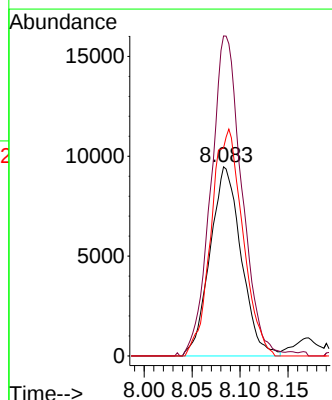
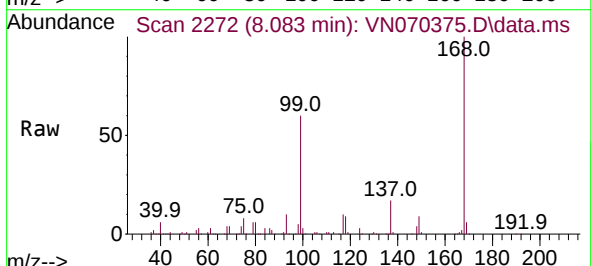
Tgt Ion: 56 Resp: 21425

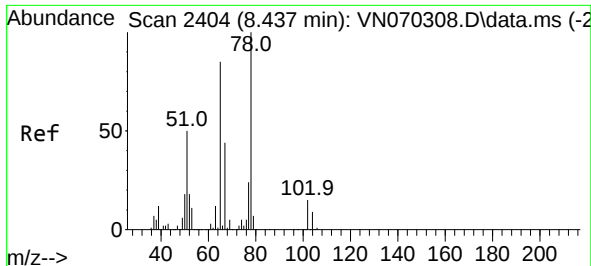
Ion Ratio Lower Upper

56 100

69 169.2 27.1 40.7#

84 110.0 73.4 110.0

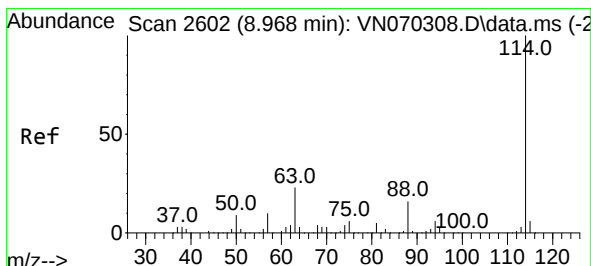
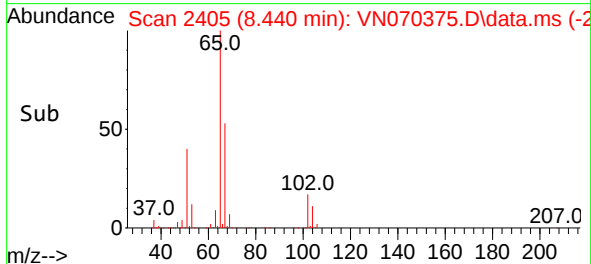
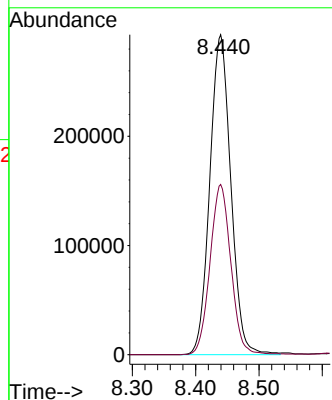
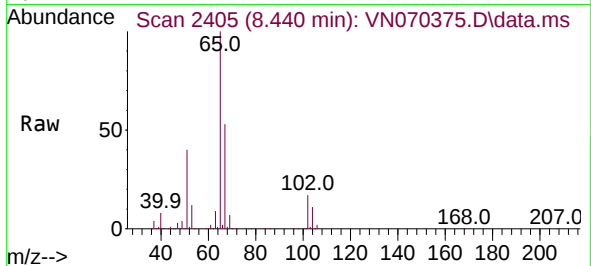




#33
 1,2-Dichloroethane-d4
 Concen: 53.013 ug/l
 RT: 8.440 min Scan# 2404
 Delta R.T. 0.003 min
 Lab File: VN070375.D
 Acq: 30 Dec 2021 4:11

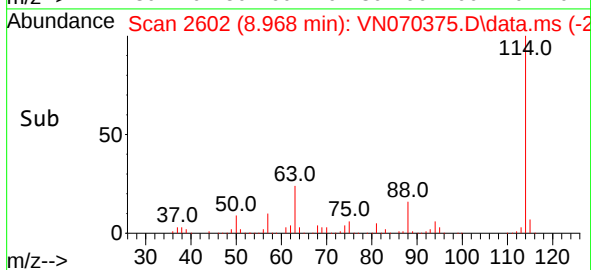
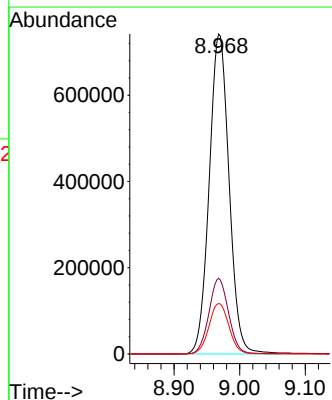
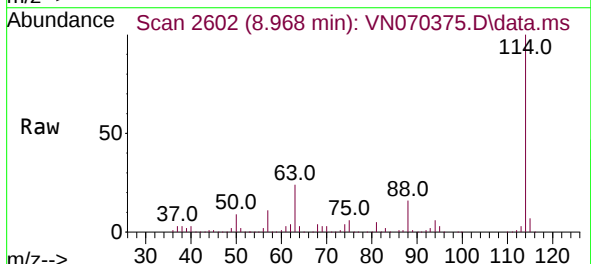
Instrument :
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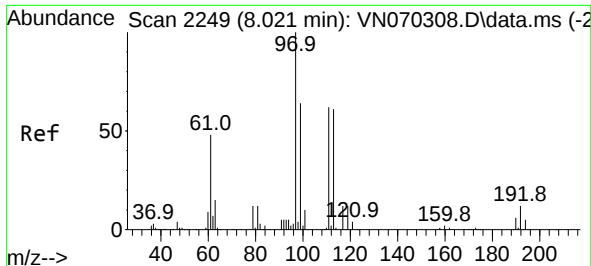
Tgt Ion: 65 Resp: 675343
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: VN070375.D
 Acq: 30 Dec 2021 4:11

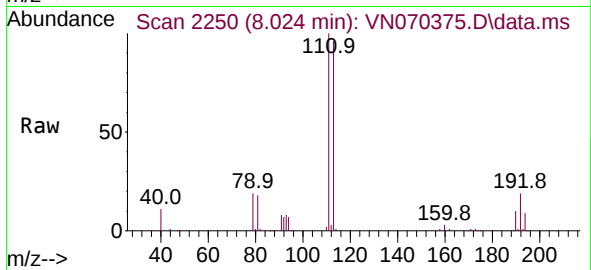
Tgt Ion: 114 Resp: 1558142
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 37.8
 88 15.7 0.0 27.4



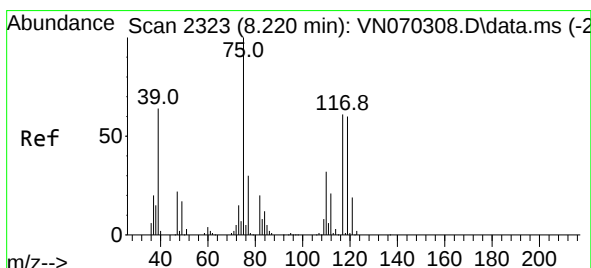
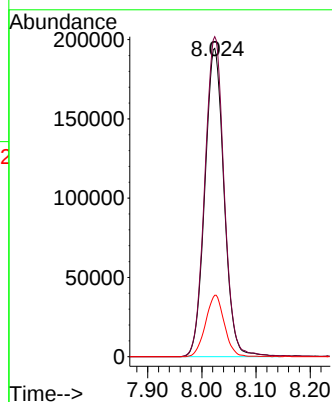
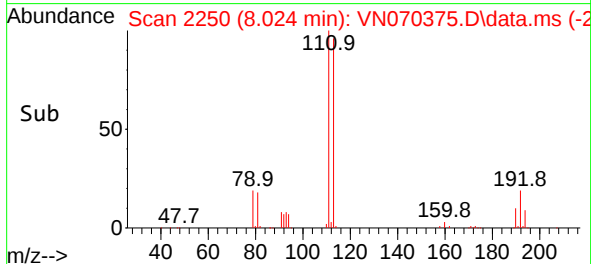


#35
Dibromofluoromethane
Concen: 50.802 ug/l
RT: 8.024 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

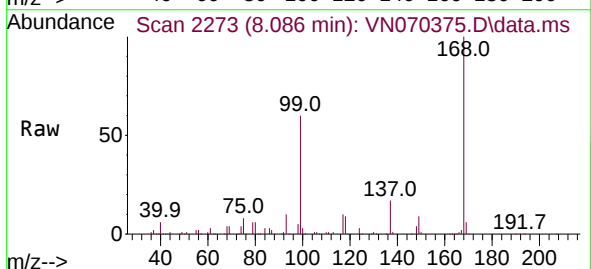
Instrument :
MSVOA_N
ClientSampleId :



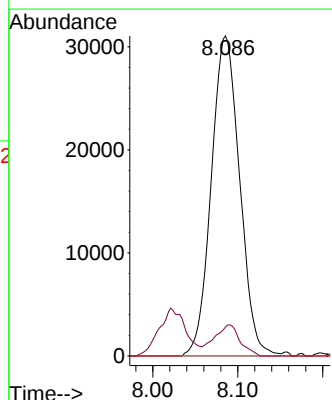
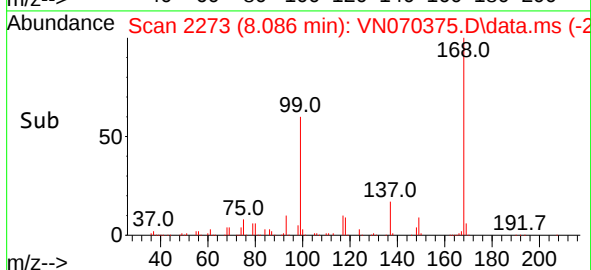
Tgt Ion:113 Resp: 478935
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.2
192 19.5 16.9 25.3

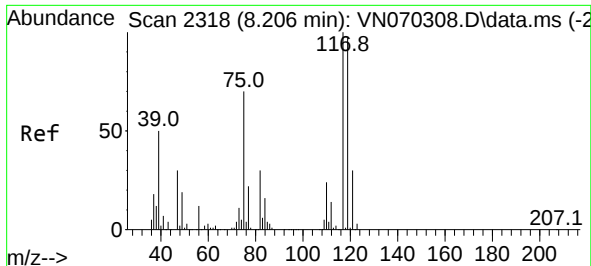


#36
1,1-Dichloropropene
Concen: 4.620 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11



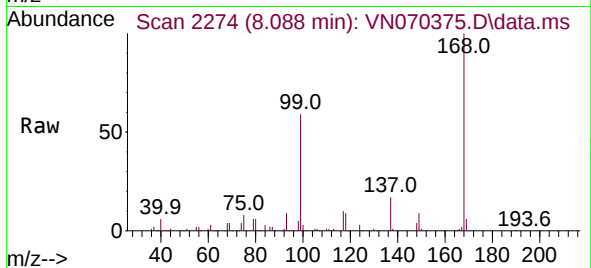
Tgt Ion: 75 Resp: 72050
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#



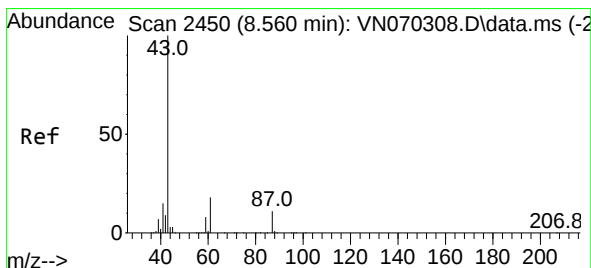
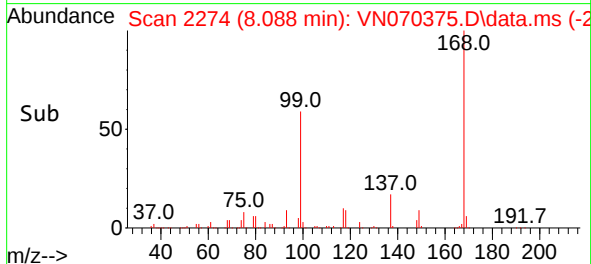
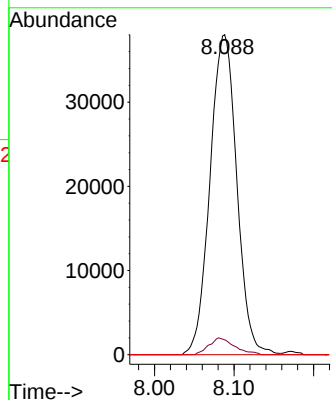


#38
Carbon Tetrachloride
Concen: 5.978 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.118 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

Instrument :
MSVOA_N
ClientSampleId :

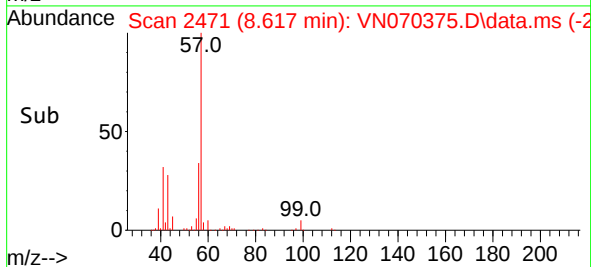
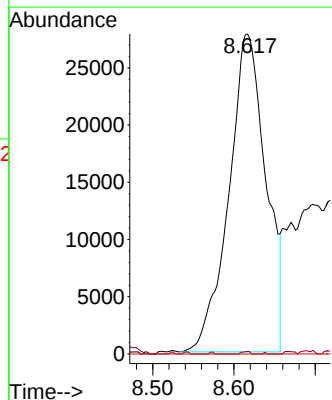
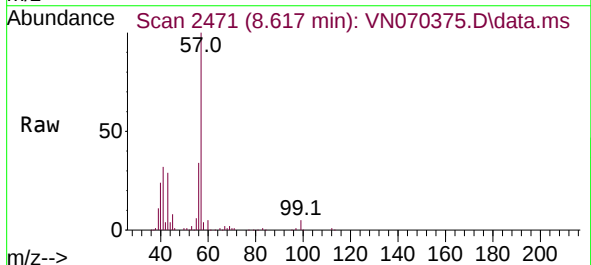


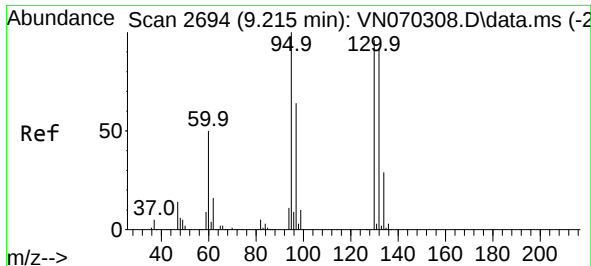
Tgt Ion:117 Resp: 89031
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.764 ug/l
RT: 8.617 min Scan# 2471
Delta R.T. 0.057 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

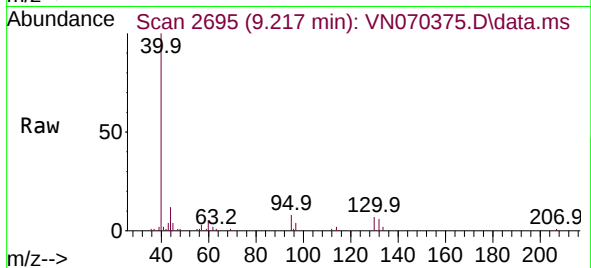
Tgt Ion: 43 Resp: 88106
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



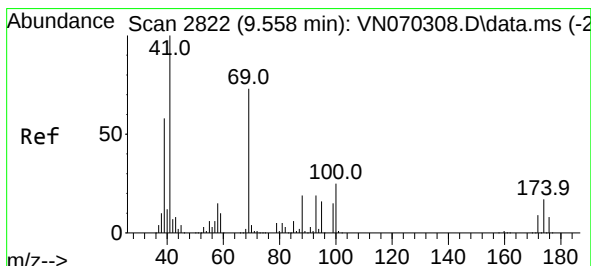
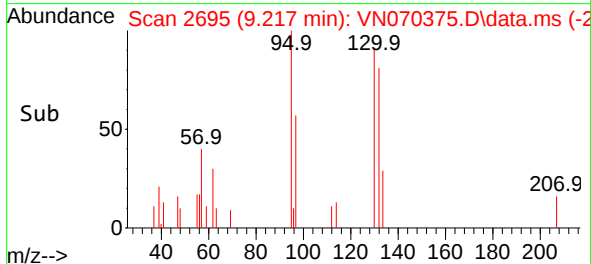
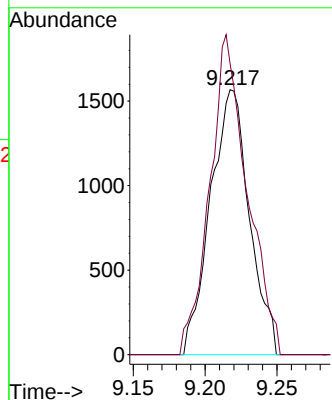


#44
Trichloroethene
Concen: 0.260 ug/l
RT: 9.217 min Scan# 20
Delta R.T. 0.002 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

Instrument :
MSVOA_N
ClientSampleId :

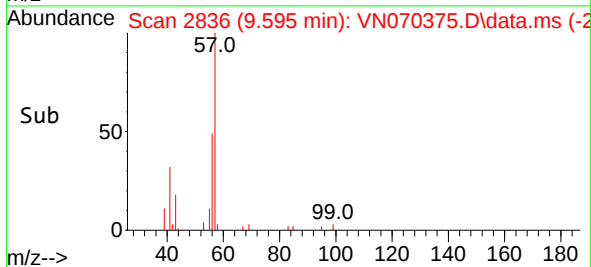
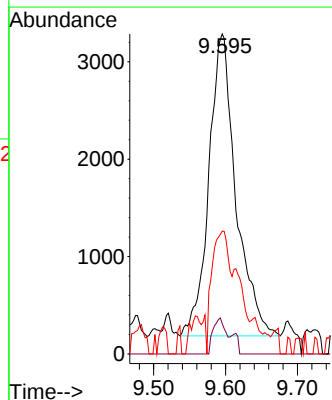
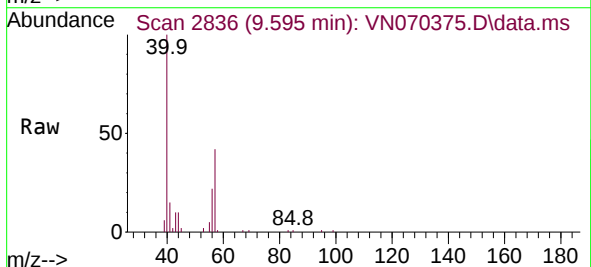


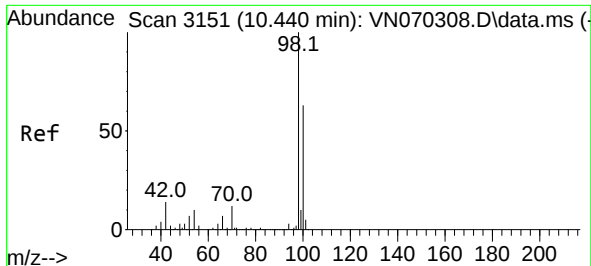
Tgt Ion: 130 Resp: 2952
Ion Ratio Lower Upper
130 100
95 109.8 0.0 191.2



#48
Methyl methacrylate
Concen: 0.533 ug/l
RT: 9.595 min Scan# 2836
Delta R.T. 0.037 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

Tgt Ion: 41 Resp: 8108
Ion Ratio Lower Upper
41 100
69 5.7 72.4 108.6#
39 26.5 58.4 87.6#

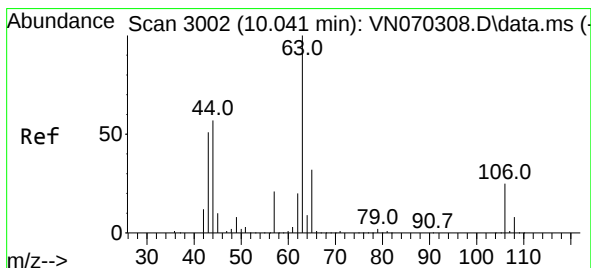
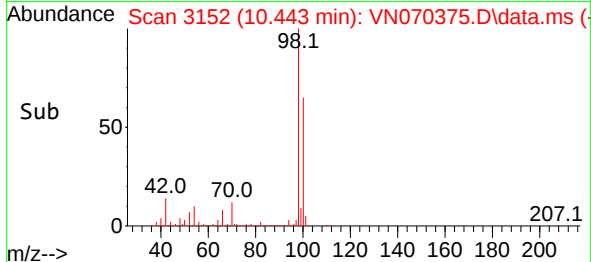
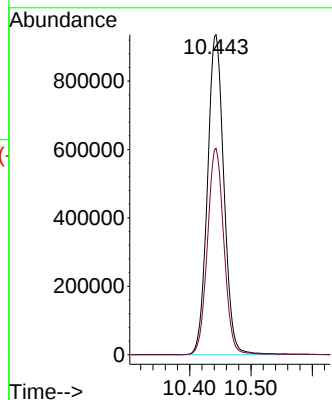
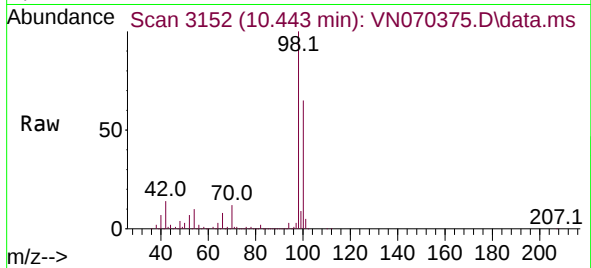




#50
Toluene-d8
Concen: 45.275 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

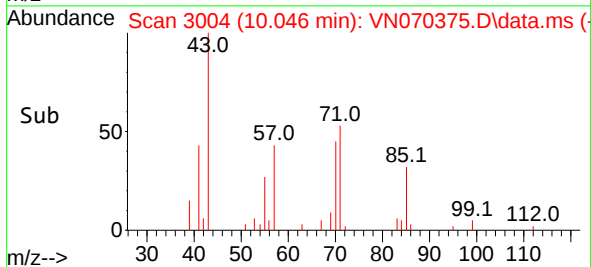
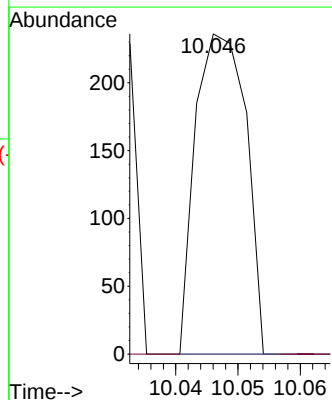
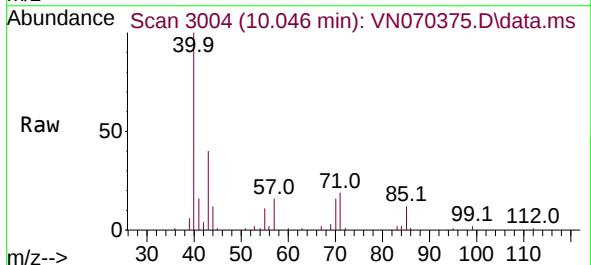
Instrument :
MSVOA_N
ClientSampleId :

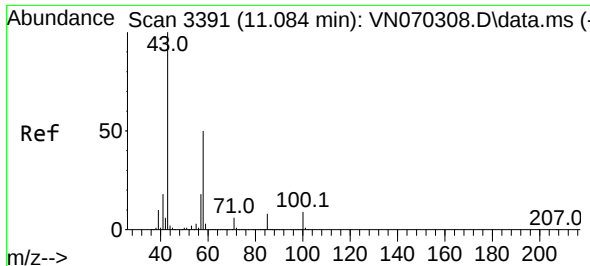
Tgt Ion: 98 Resp: 1743649
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6



#58
2-Chloroethyl Vinyl ether
Concen: 18.538 ug/l
RT: 10.046 min Scan# 3004
Delta R.T. 0.005 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

Tgt Ion: 63 Resp: 133
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

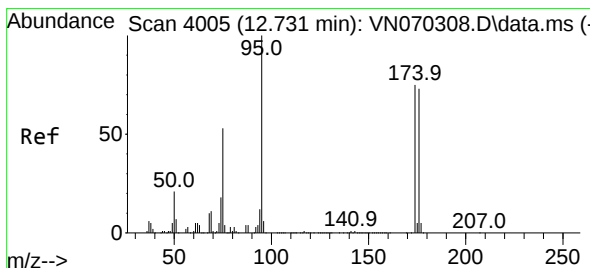
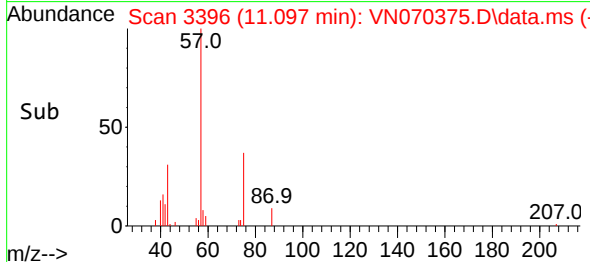
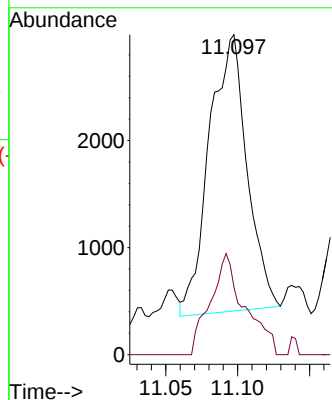
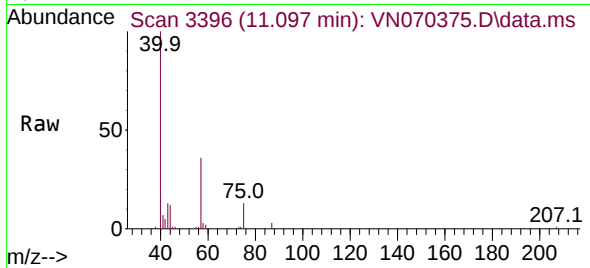




#59
2-Hexanone
Concen: 0.323 ug/l
RT: 11.097 min Scan# 31
Delta R.T. 0.013 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

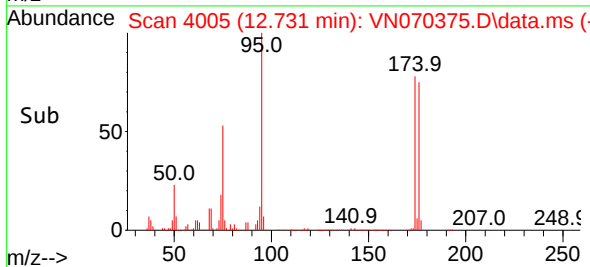
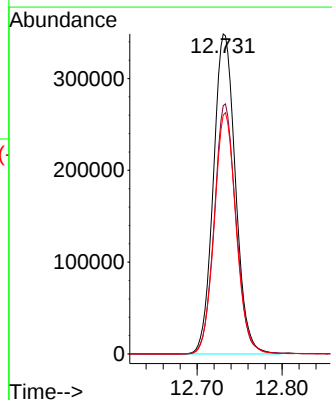
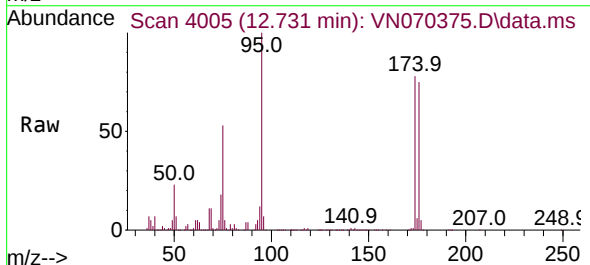
Instrument :
MSVOA_N
ClientSampleId :

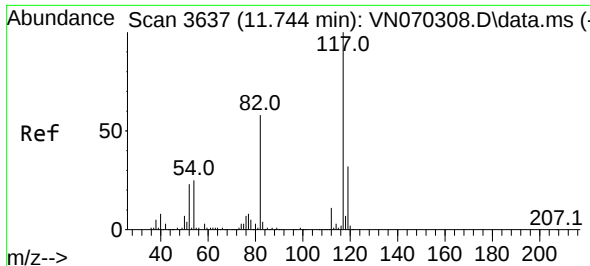
Tgt Ion: 43 Resp: 4717
Ion Ratio Lower Upper
43 100
58 33.2 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 45.236 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

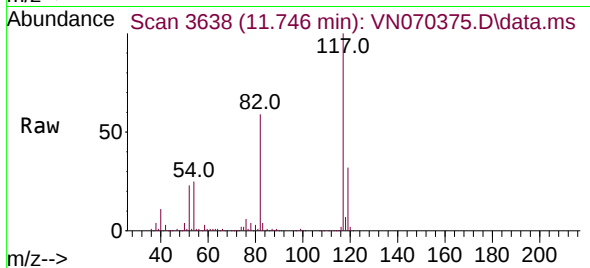
Tgt Ion: 95 Resp: 629228
Ion Ratio Lower Upper
95 100
174 77.0 0.0 187.2
176 74.5 0.0 181.4



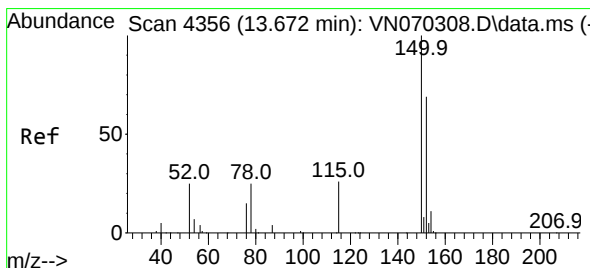
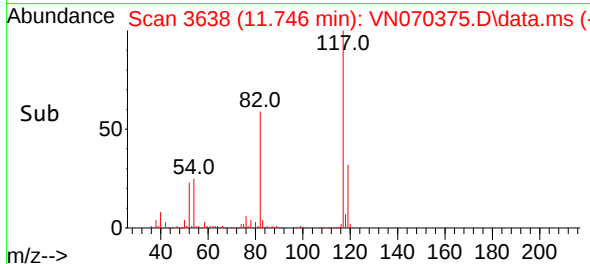
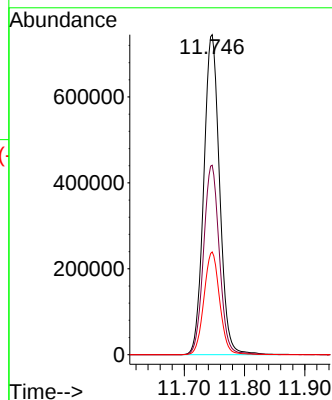


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3637
Delta R.T. 0.002 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

Instrument :
MSVOA_N
ClientSampleId :

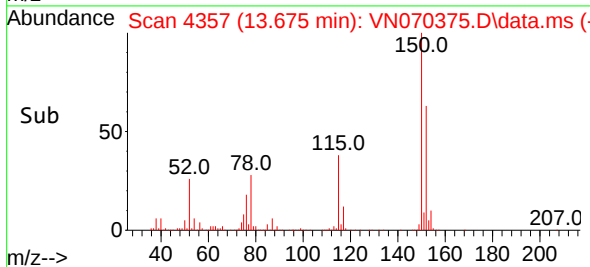
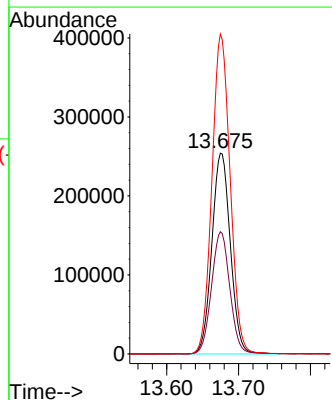
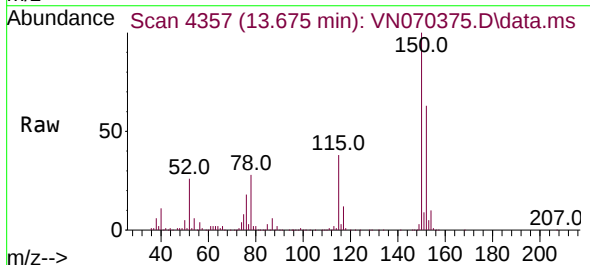


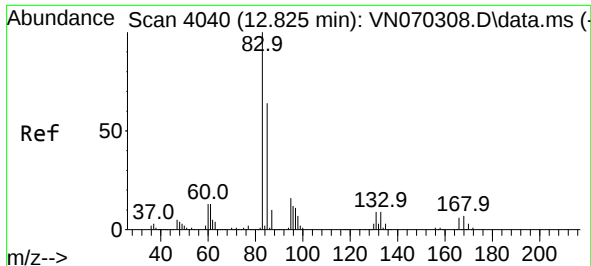
Tgt Ion:117 Resp: 1358281
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

Tgt Ion:152 Resp: 453578
Ion Ratio Lower Upper
152 100
115 60.4 27.5 82.5
150 157.0 0.0 344.4

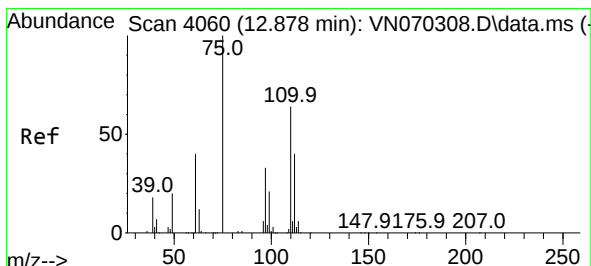
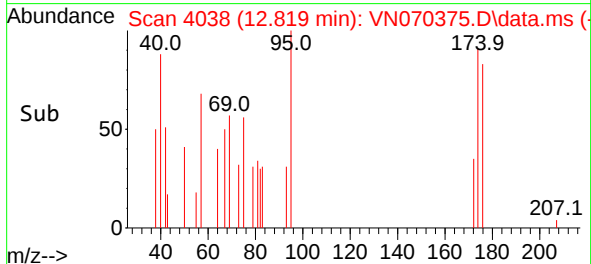
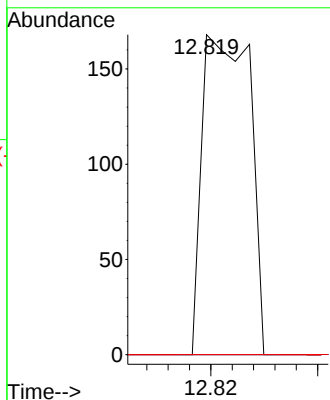
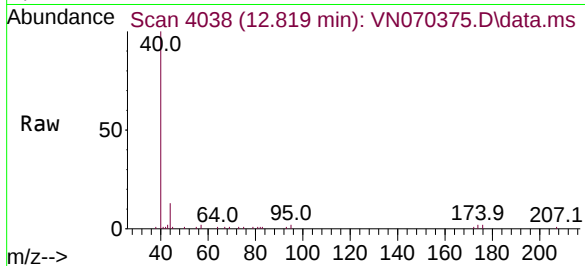




#75
1,1,2,2-Tetrachloroethane
Concen: 0.454 ug/l
RT: 12.819 min Scan# 4038
Delta R.T. -0.006 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

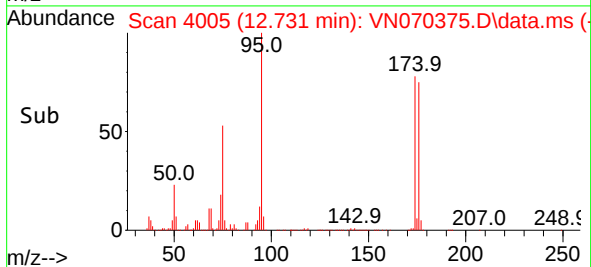
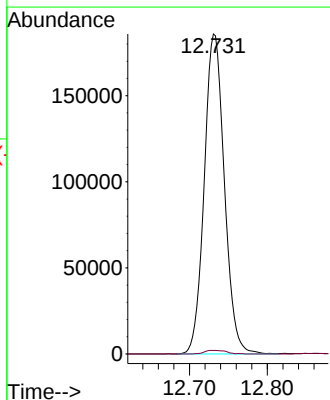
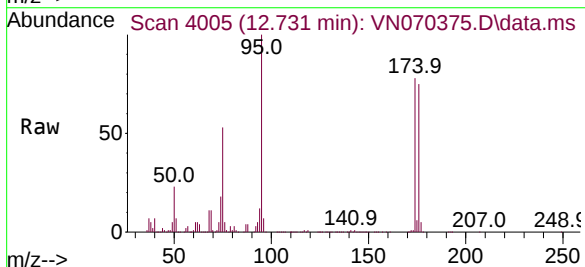
Instrument :
MSVOA_N
ClientSampleId :

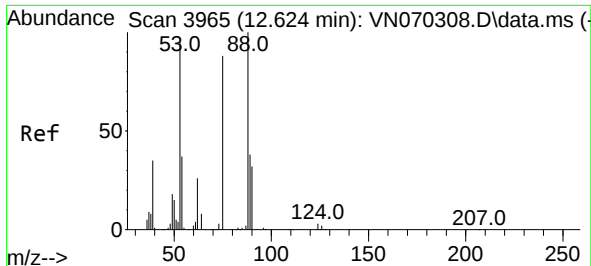
Tgt Ion: 83 Resp: 104
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.276 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

Tgt Ion: 75 Resp: 334405
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

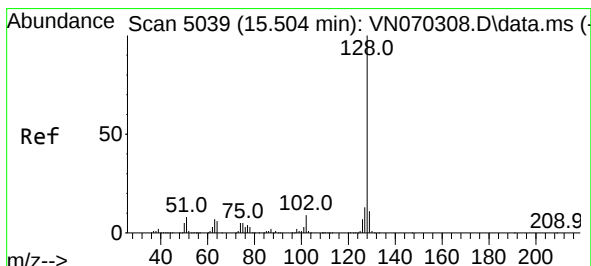
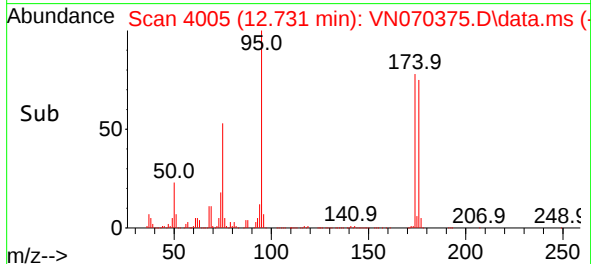
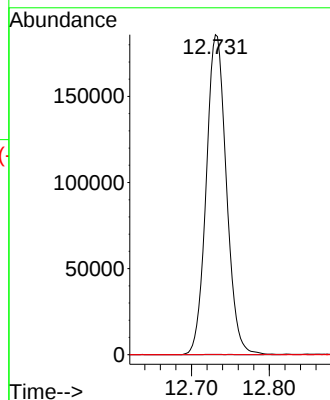
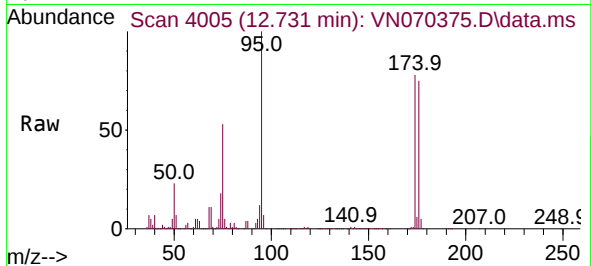




#81
trans-1,4-Dichloro-2-butene
Concen: 90.076 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

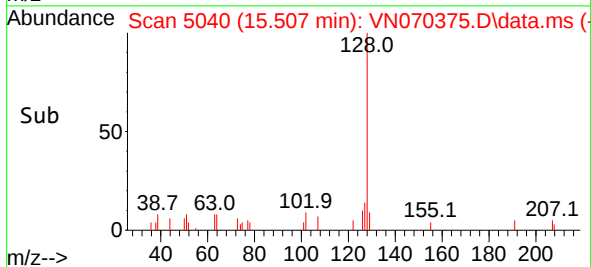
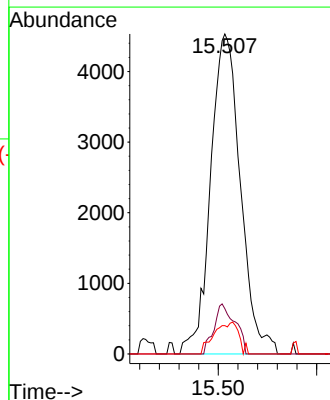
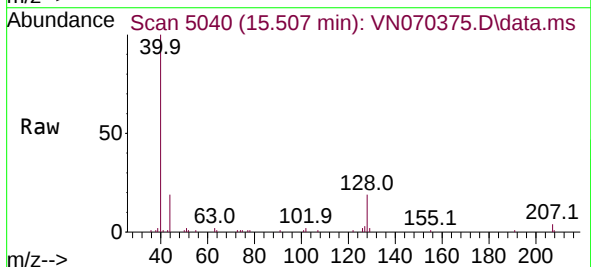
Instrument :
MSVOA_N
ClientSampleId :

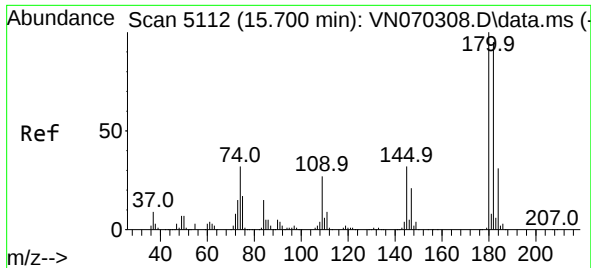
Tgt Ion: 75 Resp: 334405
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 2.242 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070375.D
Acq: 30 Dec 2021 4:11

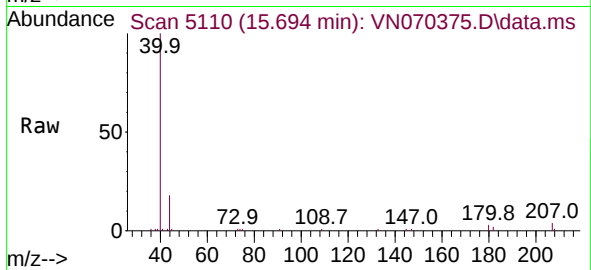
Tgt Ion:128 Resp: 9543
Ion Ratio Lower Upper
128 100
127 11.1 10.5 15.7
129 8.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.966 ug/l
 RT: 15.694 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN070375.D
 Acq: 30 Dec 2021 4:11

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1015
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.4 142.2
 145 19.6 15.0 45.1

