

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110920\
 Data File : VN064509.D
 Acq On : 9 Nov 2020 16:15
 Operator : JC/MD
 Sample : VN1109WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 03:16:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 13:16:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	58616	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	309950	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	280398	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	164282	31.66	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.53%
60) 4-Bromofluorobenzene	12.38	95	113337	23.60	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	78.67%
63) Toluene-d8	10.06	98	382047	29.22	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.40%

Target Compounds

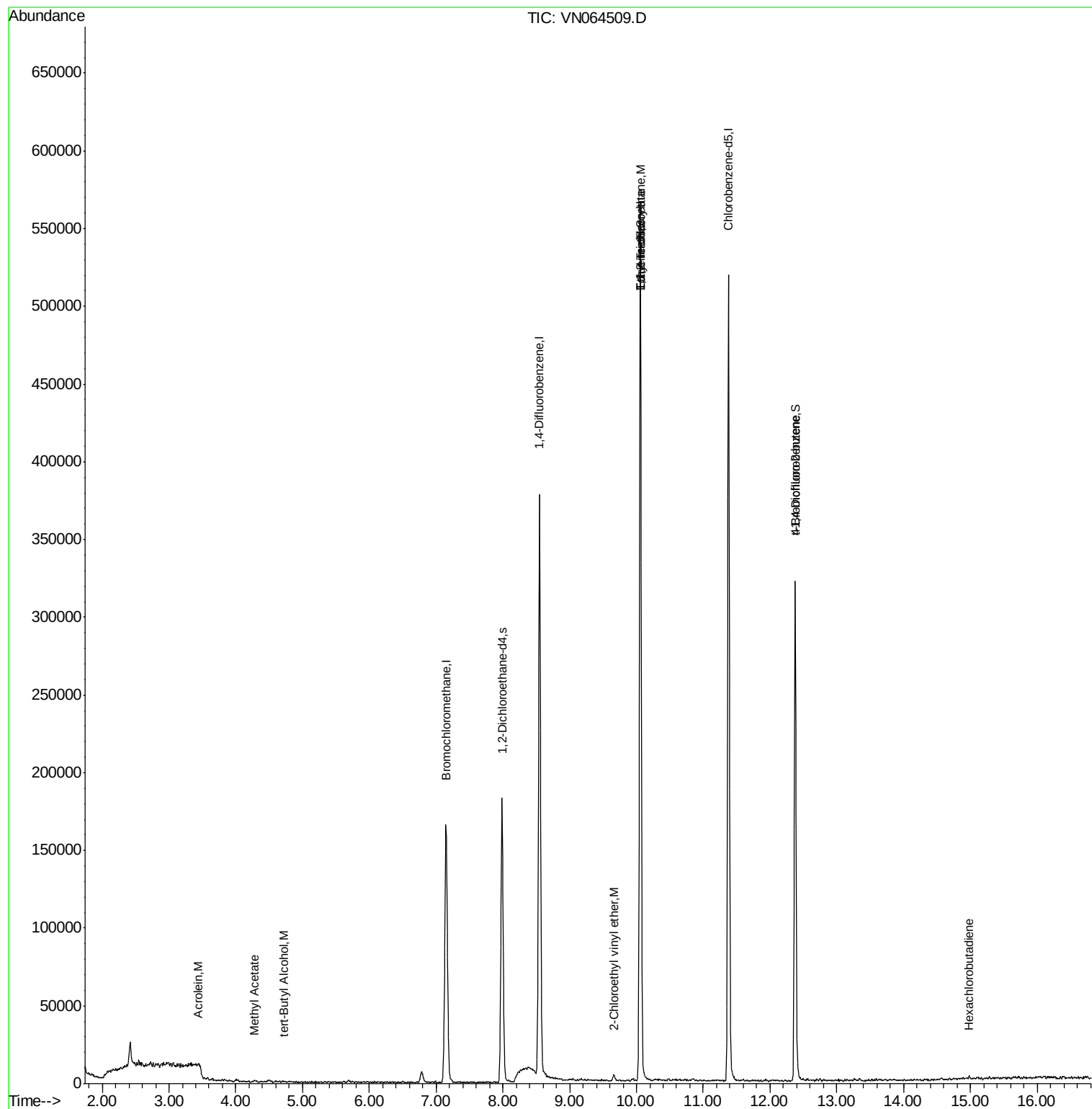
				Ovalue	
12) Methyl Acetate	4.29	43	1831	0.475 ug/l #	54
13) Acrolein	3.44	56	99	0.254 ug/l	100
23) tert-Butyl Alcohol	4.71	59	154	0.262 ug/l #	100
50) 1,1,2-Trichloroethane	10.07	97	13781	3.561 ug/l #	1
51) Ethyl methacrylate	10.07	69	1899	0.342 ug/l #	48
55) 2-Chloroethyl vinyl ether	9.67	63	1810	0.624 ug/l #	53
77) t-1,4-Dichloro-2-butene	12.38	75	62530	33.051 ug/l #	9
90) Hexachlorobutadiene	14.98	225	370	0.238 ug/l	81

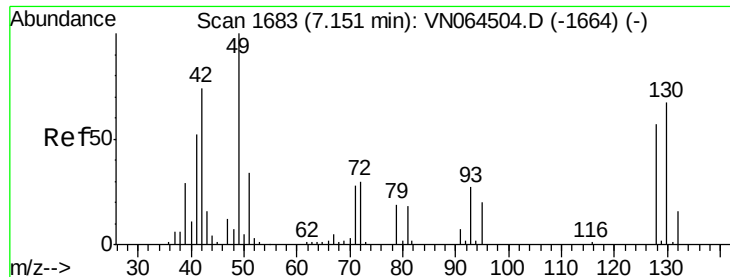
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 10 03:16:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 09 13:16:36 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064509.D

Acq: 9 Nov 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :

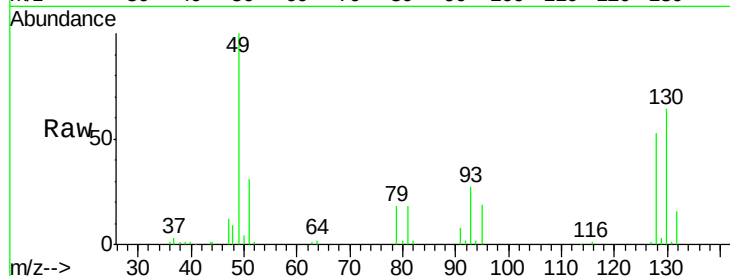
Tot Ion:128 Resp: 58616

Ion Ratio Lower Upper

128 100

49 193.7 0.0 475.5

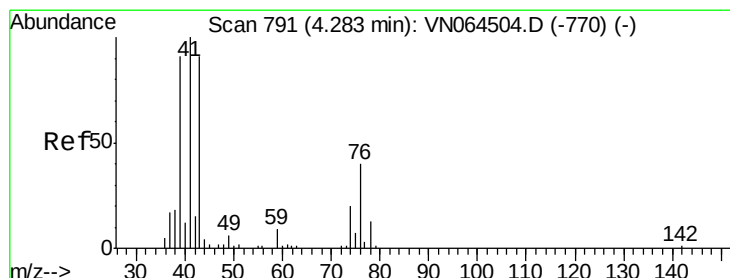
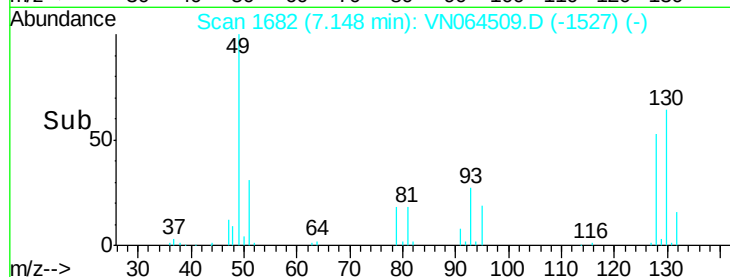
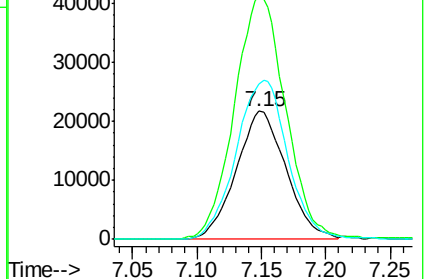
130 128.0 0.0 315.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#12

Methyl Acetate

Concen: 0.475 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN064509.D

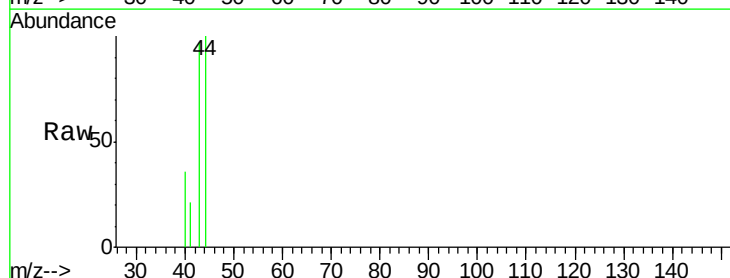
Acq: 9 Nov 2020 16:15

Tgt Ion: 43 Resp: 1831

Ion Ratio Lower Upper

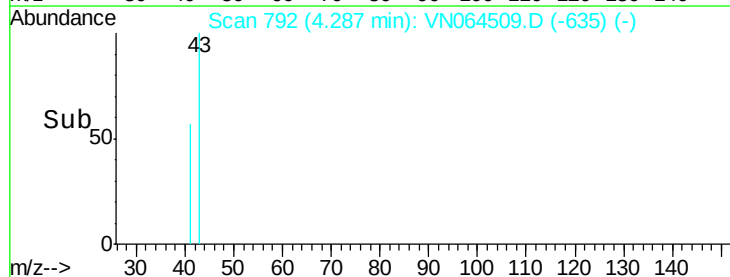
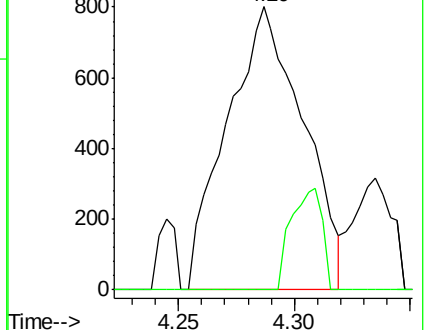
43 100

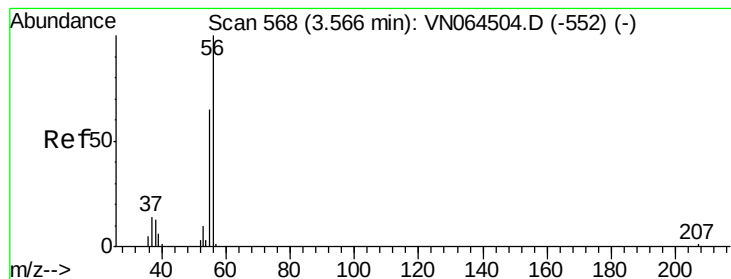
74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#13

Acrolein

Concen: 0.254 ug/l

RT: 3.44 min Scan# 530

Delta R.T. -0.12 min

Lab File: VN064509.D

Acq: 9 Nov 2020 16:15

Instrument :

MSVOA_N

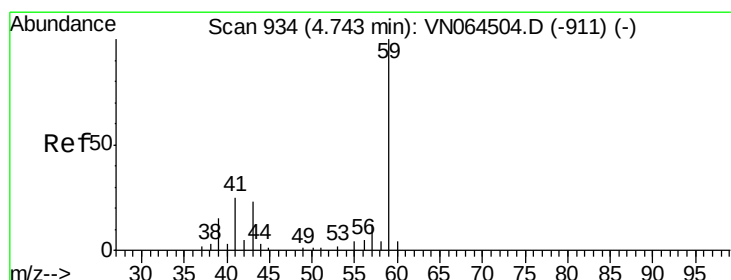
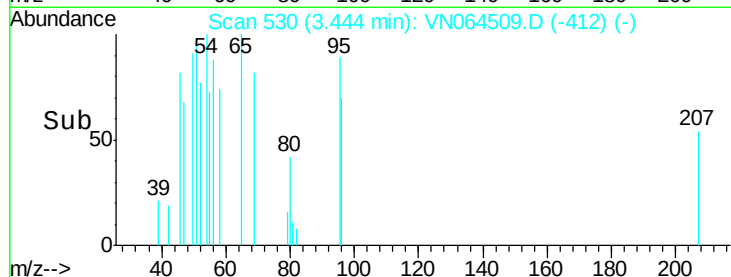
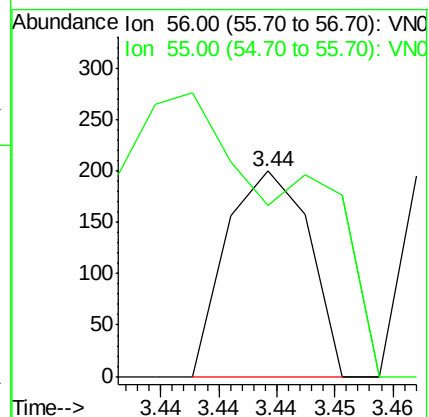
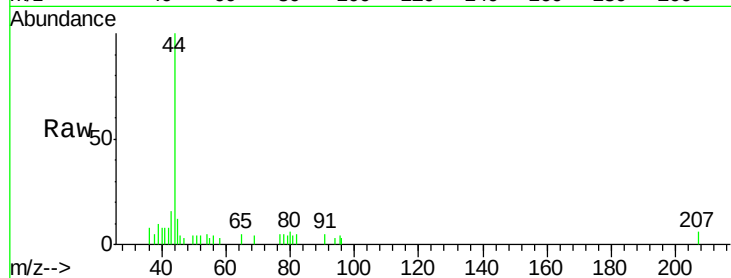
ClientSampled :

Tot Ion: 56 Resp: 99

Ion Ratio Lower Upper

56 100

55 72.7 58.2 87.2



#23

tert-Butyl Alcohol

Concen: 0.262 ug/l

RT: 4.71 min Scan# 925

Delta R.T. -0.03 min

Lab File: VN064509.D

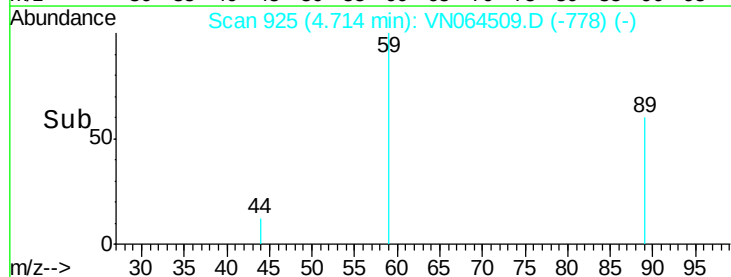
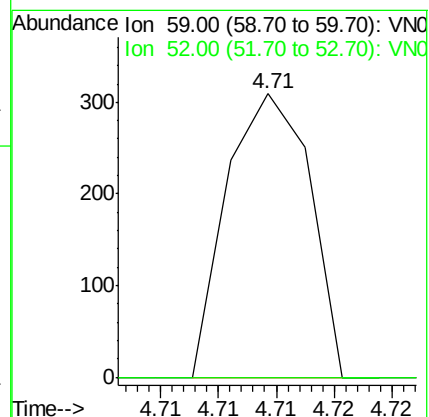
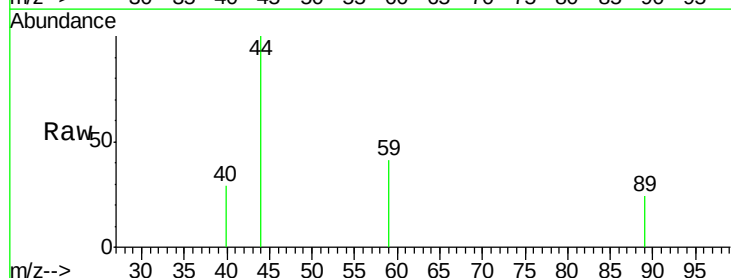
Acq: 9 Nov 2020 16:15

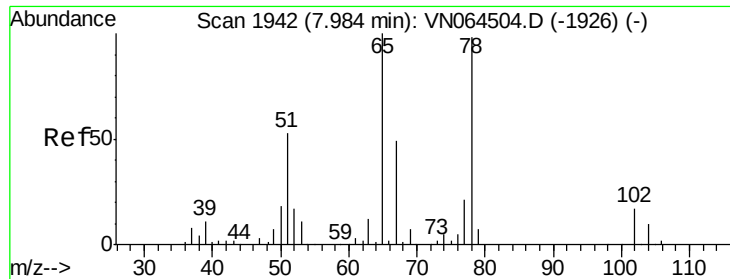
Tgt Ion: 59 Resp: 154

Ion Ratio Lower Upper

59 100

52 77.3 0.0 0.0#

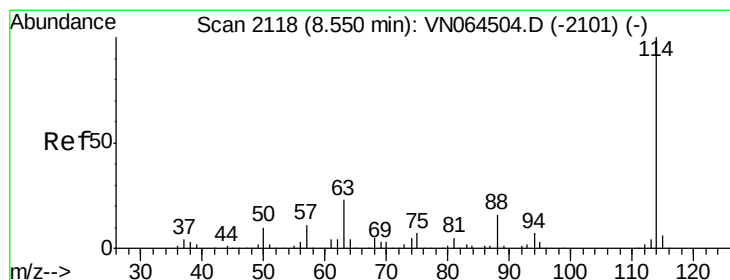
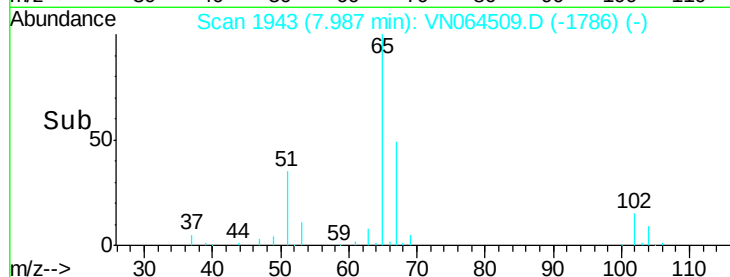
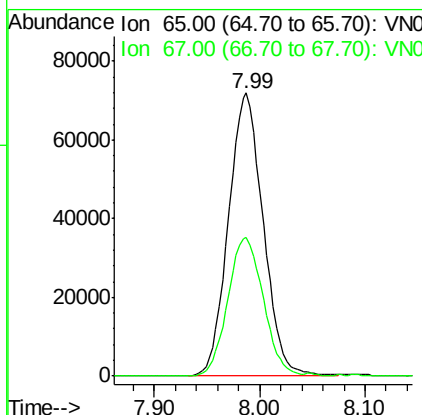
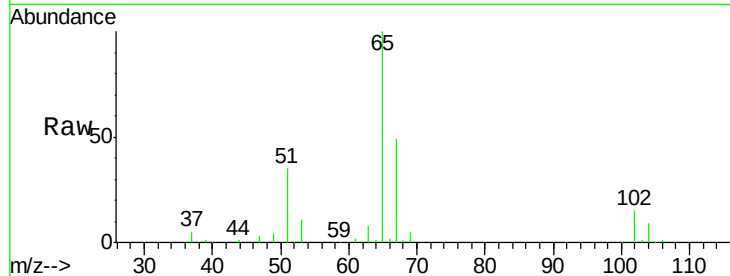




#27
 1,2-Dichloroethane-d4
 Concen: 31.660 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064509.D
 Acq: 9 Nov 2020 16:15

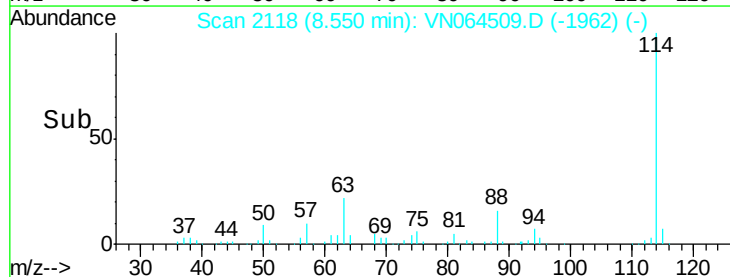
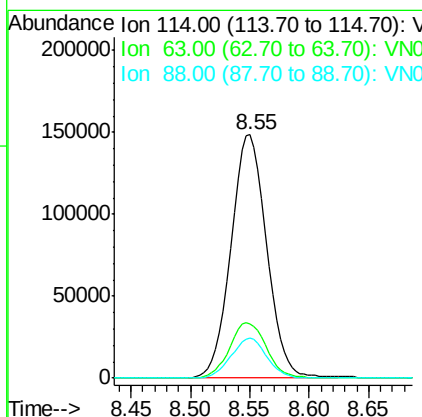
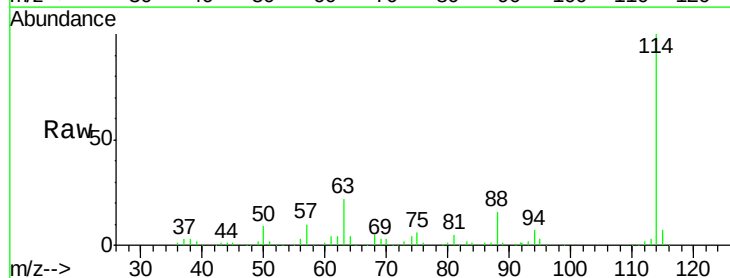
Instrument :
 MSVOA_N
 ClientSampleId :

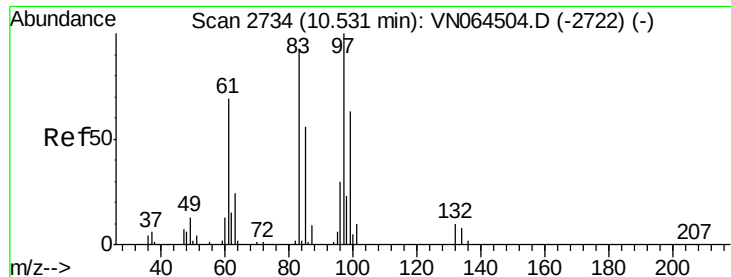
Tot Ion: 65 Resp: 164282
 Ion Ratio Lower Upper
 65 100
 67 50.0 41.1 61.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064509.D
 Acq: 9 Nov 2020 16:15

Tgt Ion: 114 Resp: 309950
 Ion Ratio Lower Upper
 114 100
 63 23.4 18.5 27.7
 88 16.3 13.0 19.6

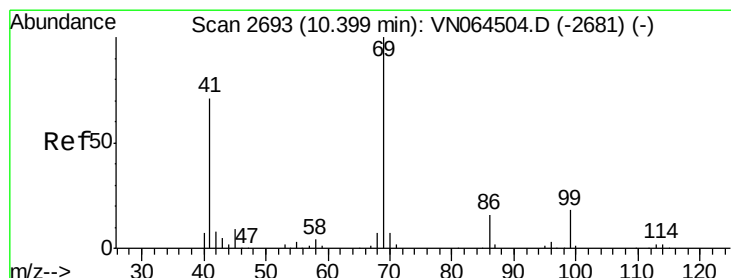
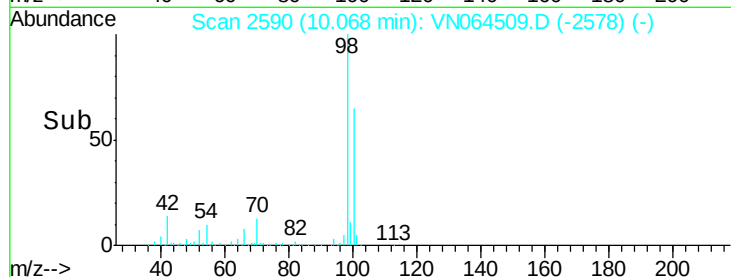
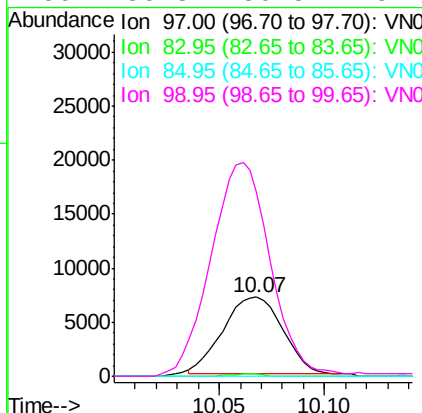
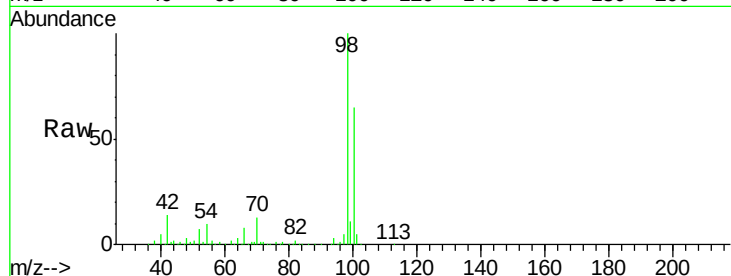




#50
 1,1,2-Trichloroethane
 Concen: 3.561 ug/l
 RT: 10.07 min Scan# 2590
 Delta R.T. -0.46 min
 Lab File: VN064509.D
 Acq: 9 Nov 2020 16:15

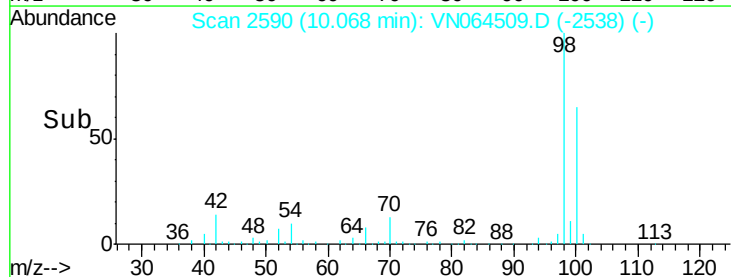
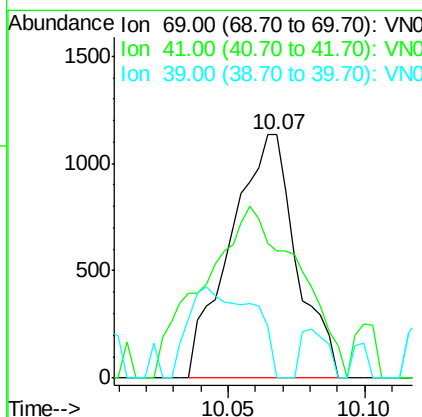
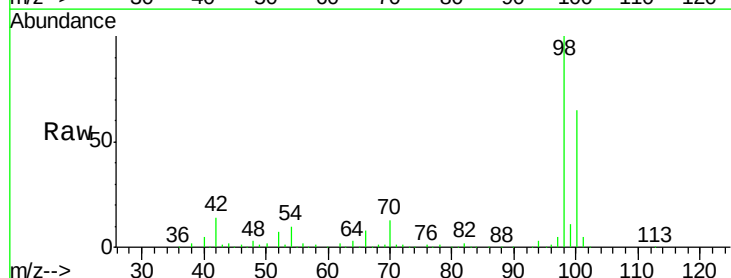
Instrument :
 MSVOA_N
 ClientSampleId :

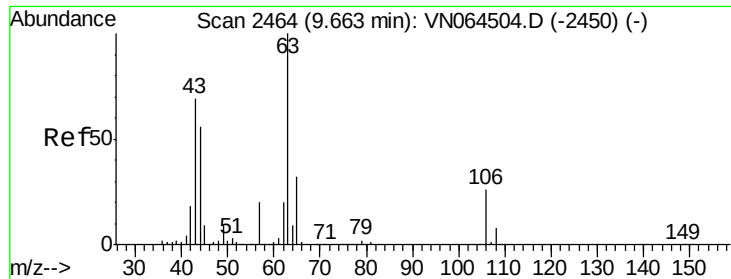
Tot Ion: 97 Resp: 13781
 Ion Ratio Lower Upper
 97 100
 83 3.3 74.2 111.4#
 85 0.0 44.8 67.2#
 99 236.8 50.5 75.7#



#51
 Ethyl methacrylate
 Concen: 0.342 ug/l
 RT: 10.07 min Scan# 2590
 Delta R.T. -0.33 min
 Lab File: VN064509.D
 Acq: 9 Nov 2020 16:15

Tgt Ion: 69 Resp: 1899
 Ion Ratio Lower Upper
 69 100
 41 39.1 35.4 106.1
 39 0.0 24.1 72.2#

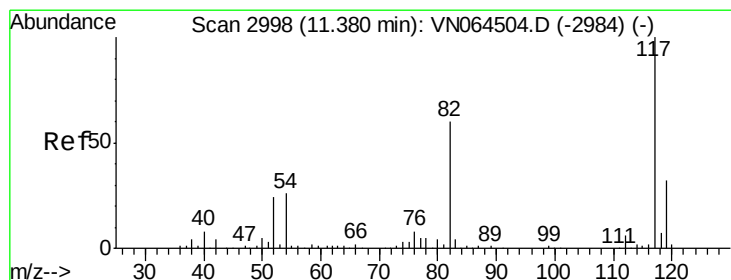
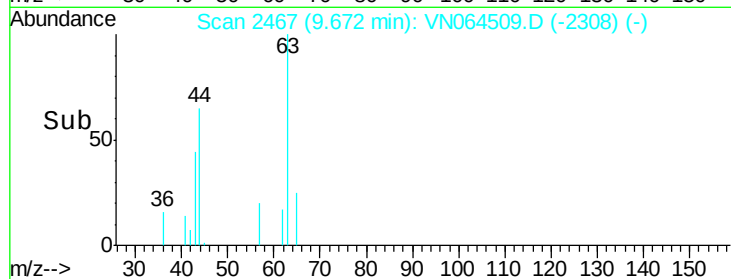
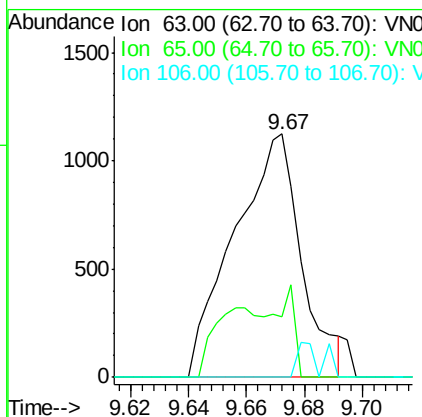
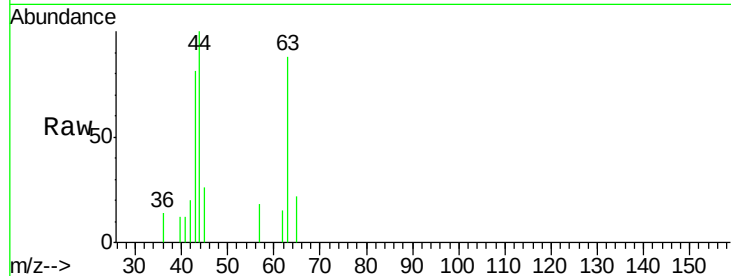




#55
 2-Chloroethyl vinyl ether
 Concen: 0.624 ug/l
 RT: 9.67 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: VN064509.D
 Acq: 9 Nov 2020 16:15

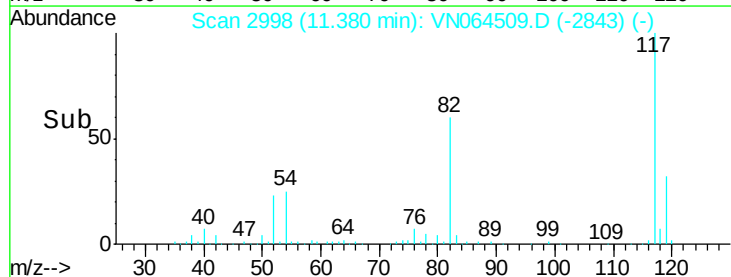
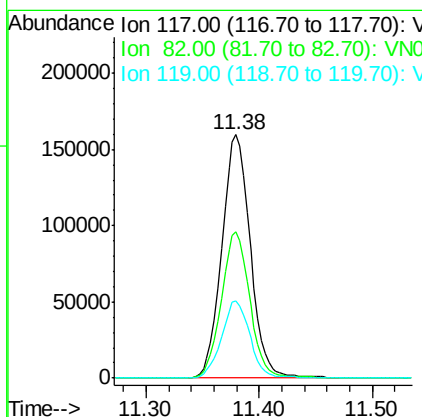
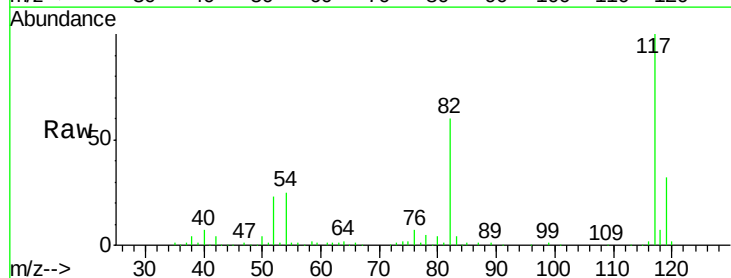
Instrument :
 MSVOA_N
 ClientSampled :

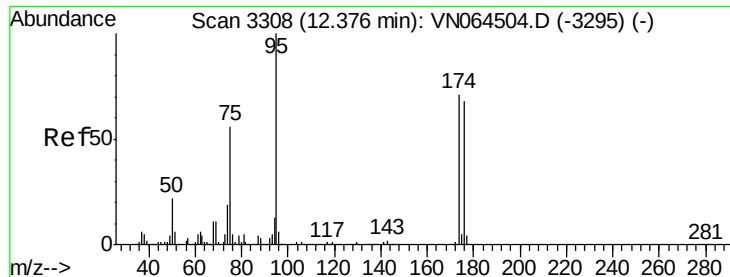
Tot Ion: 63 Resp: 1810
 Ion Ratio Lower Upper
 63 100
 65 4.5 25.7 38.5#
 106 3.4 19.9 29.9#



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.38 min Scan# 2998
 Delta R.T. -0.00 min
 Lab File: VN064509.D
 Acq: 9 Nov 2020 16:15

Tgt Ion: 117 Resp: 280398
 Ion Ratio Lower Upper
 117 100
 82 59.5 47.8 71.8
 119 31.8 25.7 38.5

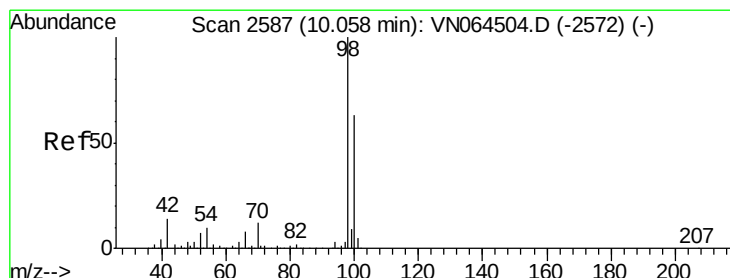
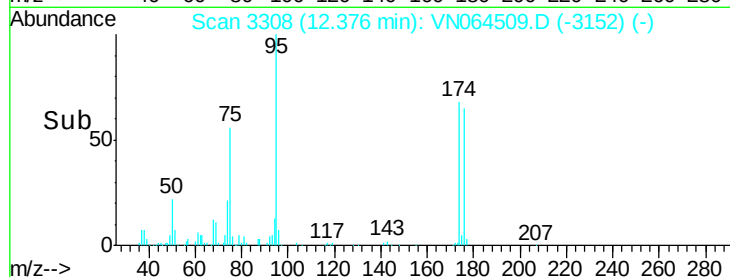
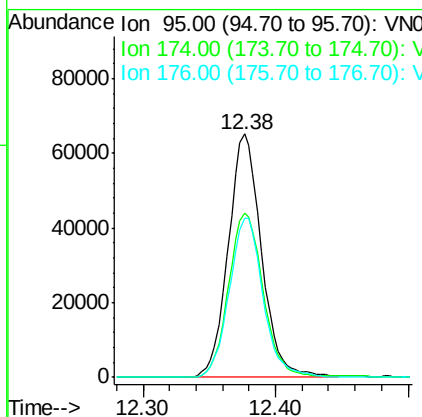
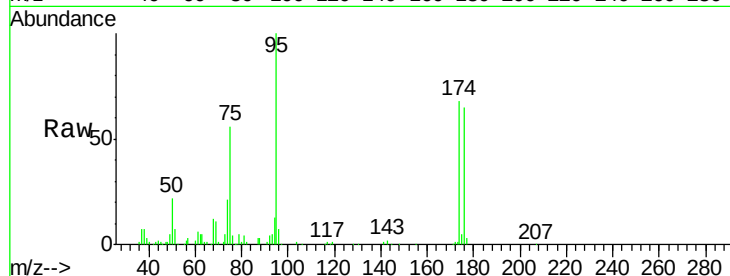




#60
4-Bromofluorobenzene
Concen: 23.596 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064509.D
Acq: 9 Nov 2020 16:15

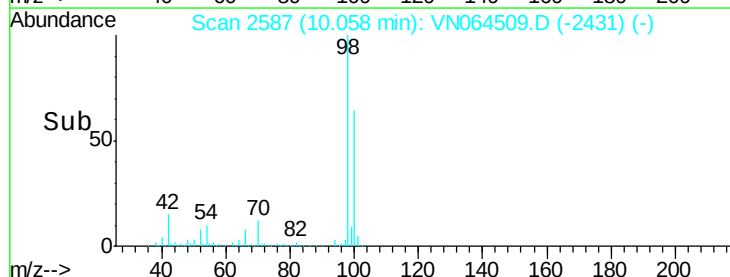
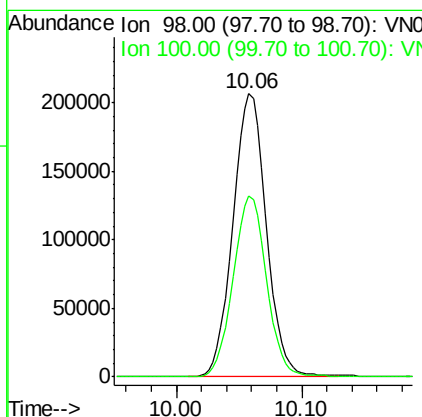
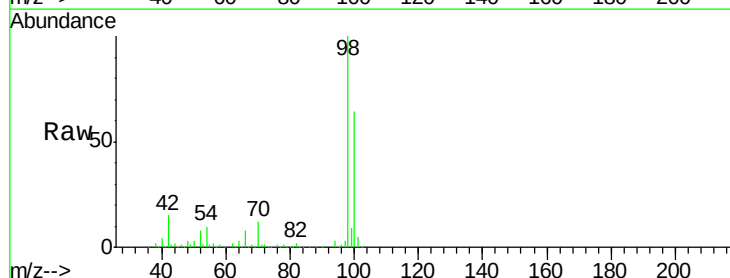
Instrument :
MSVOA_N
ClientSampleId :

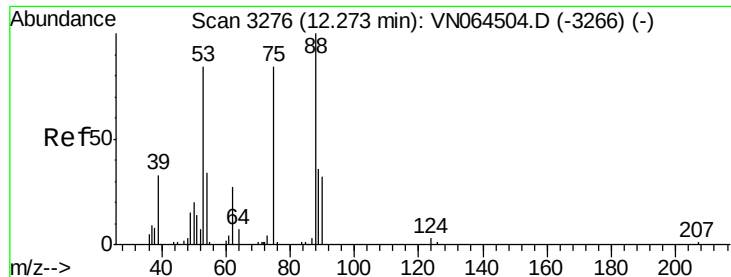
Tot Ion: 95 Resp: 113337
Ion Ratio Lower Upper
95 100
174 70.1 56.4 84.6
176 66.6 53.3 79.9



#63
Toluene-d8
Concen: 29.215 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064509.D
Acq: 9 Nov 2020 16:15

Tgt Ion: 98 Resp: 382047
Ion Ratio Lower Upper
98 100
100 63.9 49.4 74.2





#77

t-1,4-Dichloro-2-butene

Concen: 33.051 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064509.D

Acq: 9 Nov 2020 16:15

Instrument :

MSVOA_N

ClientSampled :

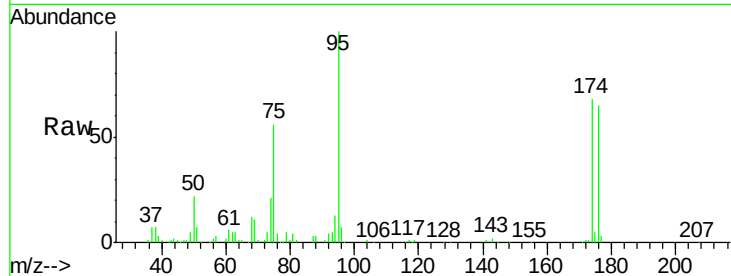
Tot Ion: 75 Resp: 62530

Ion Ratio Lower Upper

75 100

53 0.0 50.3 150.9#

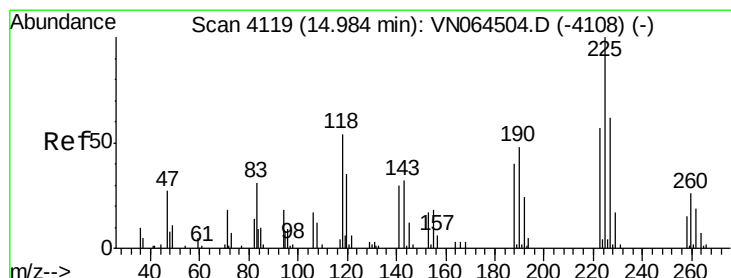
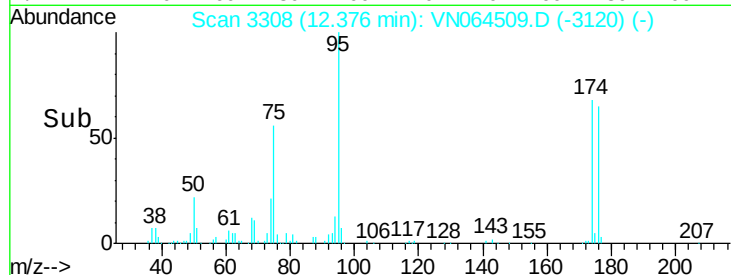
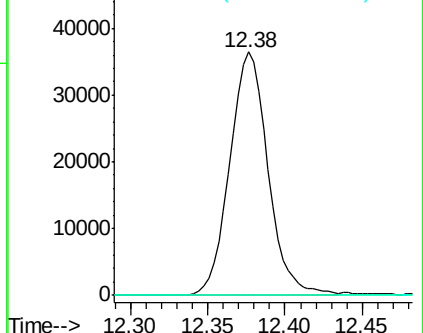
89 0.0 23.3 69.8#



Abundance Ion 75.00 (74.70 to 75.70): VN064509.D (-3120) (-)

Ion 53.00 (52.70 to 53.70): VN064509.D (-3120) (-)

Ion 89.00 (88.70 to 89.70): VN064509.D (-3120) (-)



#90

Hexachlorobutadiene

Concen: 0.238 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VN064509.D

Acq: 9 Nov 2020 16:15

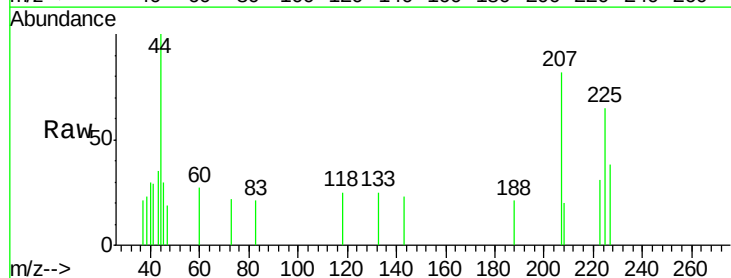
Tgt Ion: 225 Resp: 370

Ion Ratio Lower Upper

225 100

223 67.3 0.0 125.4

227 85.4 0.0 122.0



Abundance Ion 225.00 (224.70 to 225.70): VN064509.D (-3963) (-)

Ion 223.00 (222.70 to 223.70): VN064509.D (-3963) (-)

Ion 227.00 (226.70 to 227.70): VN064509.D (-3963) (-)

