

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064254.D
 Acq On : 22 Oct 2020 16:56
 Operator : JC/MD
 Sample : VN1022WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBL01

Quant Time: Oct 23 01:04:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 22 16:07:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	39247	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	225030	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	192374	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	107324	33.40	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.33%#
60) 4-Bromofluorobenzene	12.38	95	97181	28.19	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.97%
63) Toluene-d8	10.06	98	262158	30.10	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.33%

Target Compounds

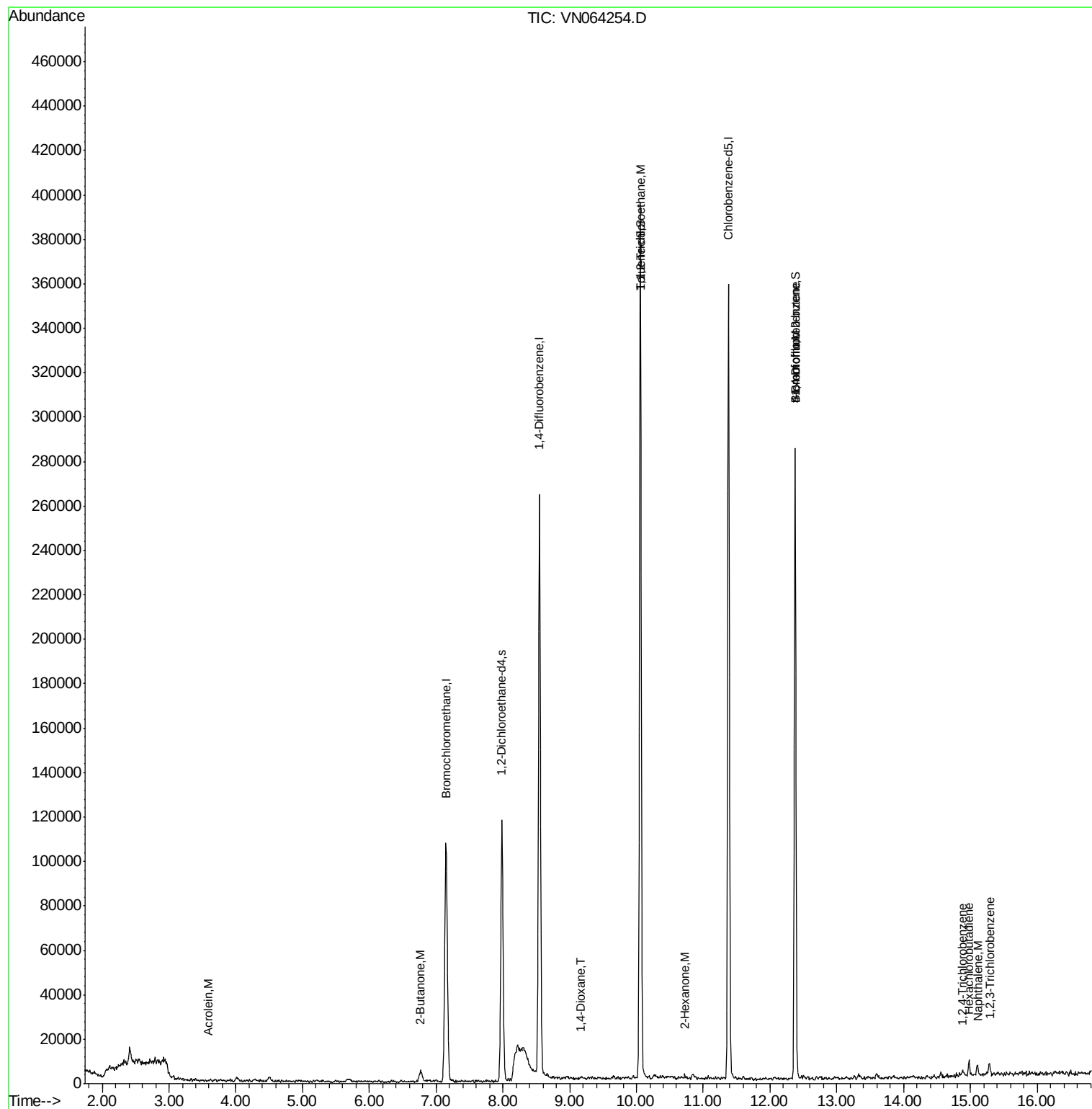
					Ovalue	
13) Acrolein	3.58	56	74	0.287	ug/l #	1
30) 2-Butanone	6.78	43	493	0.320	ug/l #	57
45) 1,4-Dioxane	9.17	88	68	1.799	ug/l #	1
50) 1,1,2-Trichloroethane	10.07	97	9519	3.677	ug/l #	1
56) Bromoform	12.37	173	454	0.200	ug/l #	35
59) 2-Hexanone	10.73	43	620	0.256	ug/l #	48
77) t-1,4-Dichloro-2-butene	12.37	75	55319	41.055	ug/l #	8
89) 1,2,4-Trichlorobenzene	14.89	180	991	0.325	ug/l #	24
90) Hexachlorobutadiene	14.99	225	1498	0.969	ug/l	71
91) Naphthalene	15.11	128	4402	0.476	ug/l #	89
92) 1,2,3-Trichlorobenzene	15.29	180	1077	0.369	ug/l	62

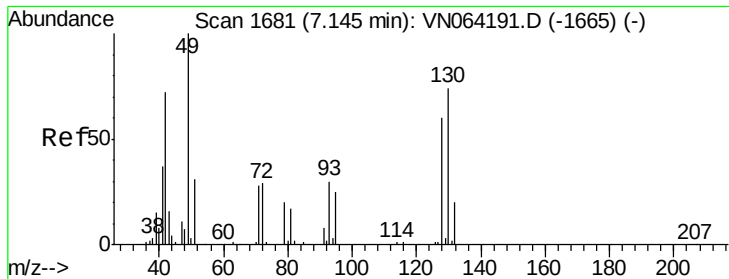
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Quant Time: Oct 23 01:04:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 22 16:07:21 2020
Response via : Initial Calibration

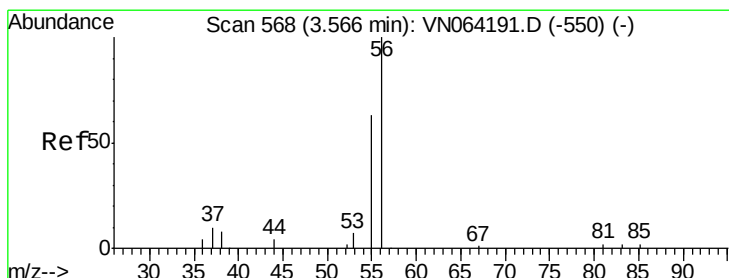
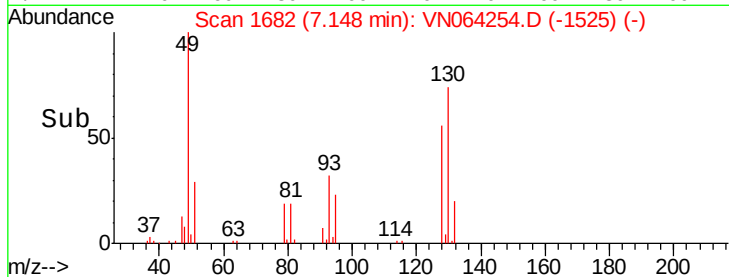
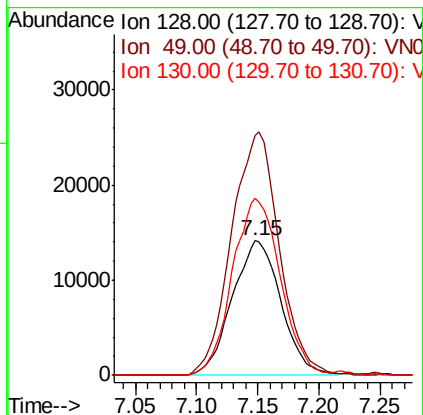
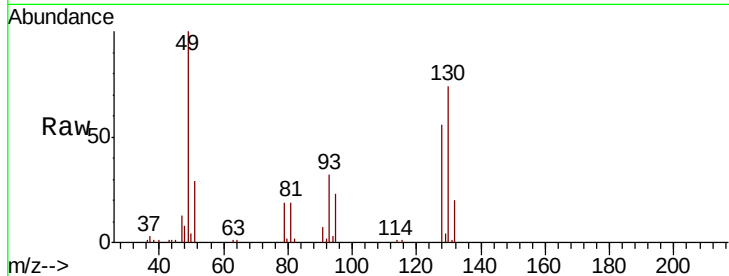




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN064254.D
Acq: 22 Oct 2020 16:56

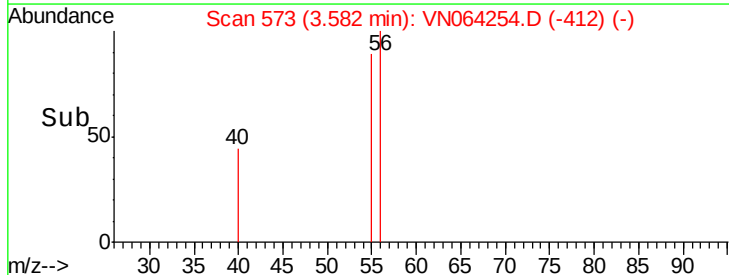
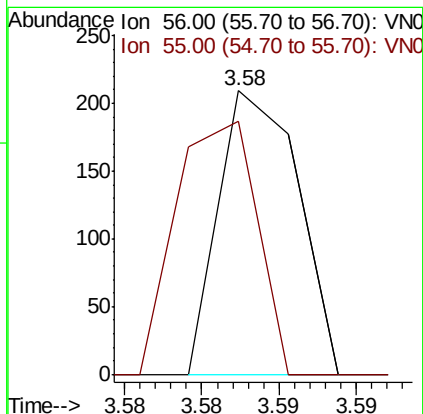
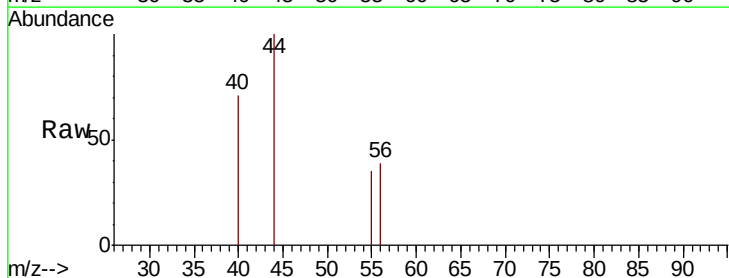
Instrument :
MSVOA_N
ClientSampled :
VN1022WBL01

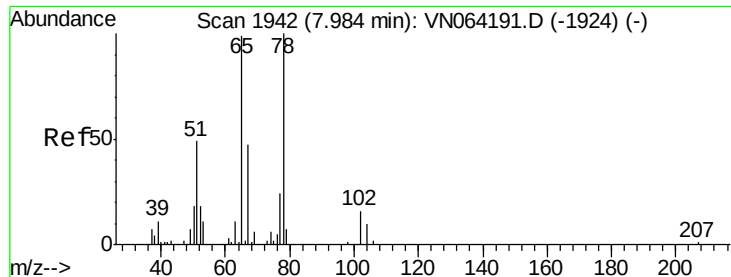
Tot Ion:128 Resp: 39247
Ion Ratio Lower Upper
128 100
49 176.6 0.0 433.3
130 129.0 0.0 322.5



#13
Acrolein
Concen: 0.287 ug/l
RT: 3.58 min Scan# 573
Delta R.T. 0.02 min
Lab File: VN064254.D
Acq: 22 Oct 2020 16:56

Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 93.2 0.5 0.7#





#27

1,2-Dichloroethane-d4

Concen: 33.400 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064254.D

Acq: 22 Oct 2020 16:56

Instrument :

MSVOA_N

ClientSampled :

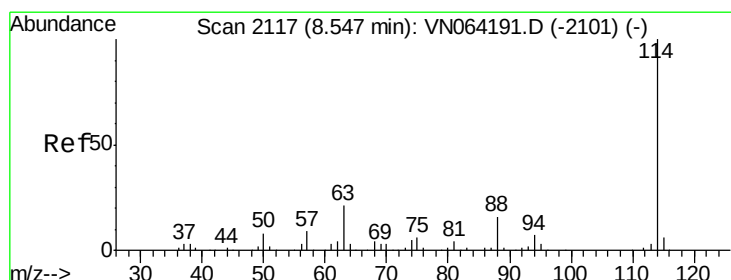
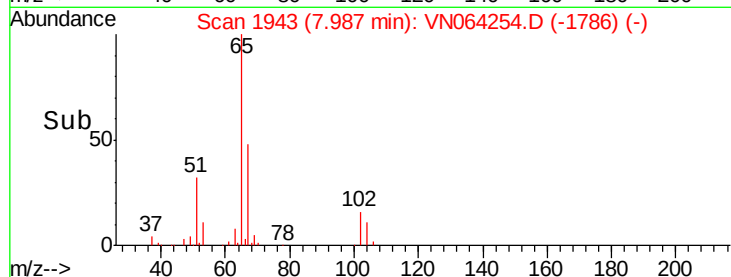
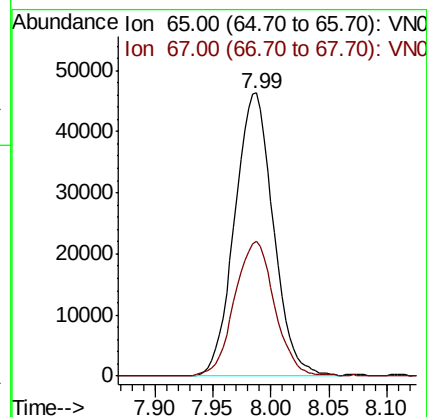
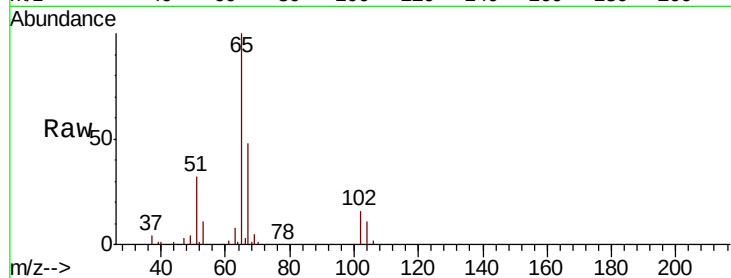
VN1022WBL01

Tot Ion: 65 Resp: 107324

Ion Ratio Lower Upper

65 100

67 49.6 39.8 59.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN064254.D

Acq: 22 Oct 2020 16:56

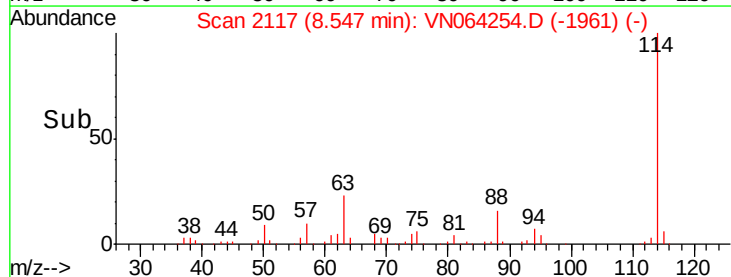
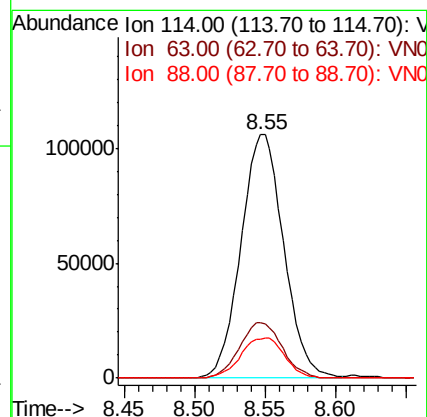
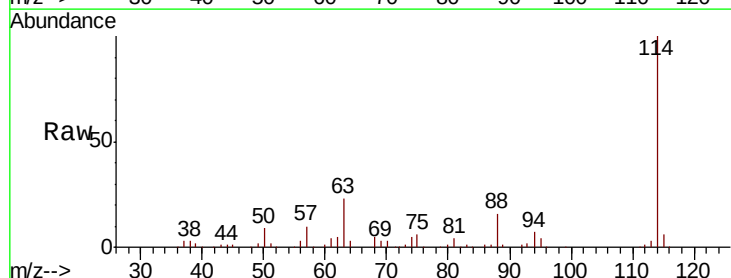
Tgt Ion: 114 Resp: 225030

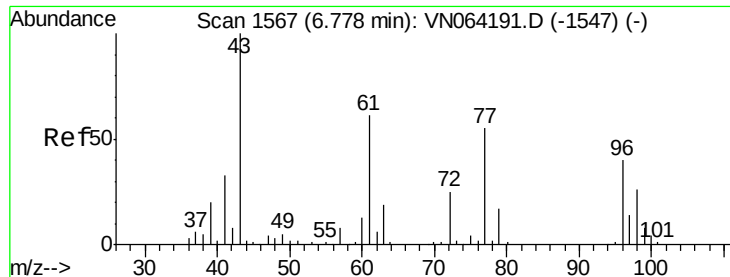
Ion Ratio Lower Upper

114 100

63 22.8 17.0 25.4

88 17.1 13.0 19.4

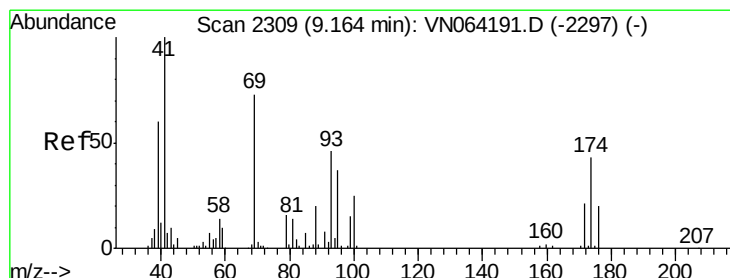
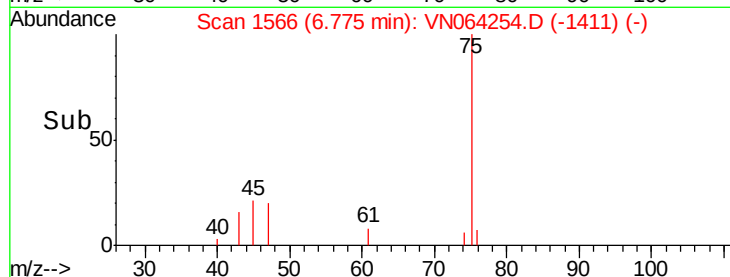
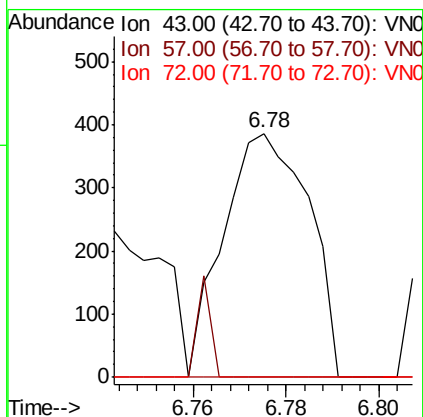
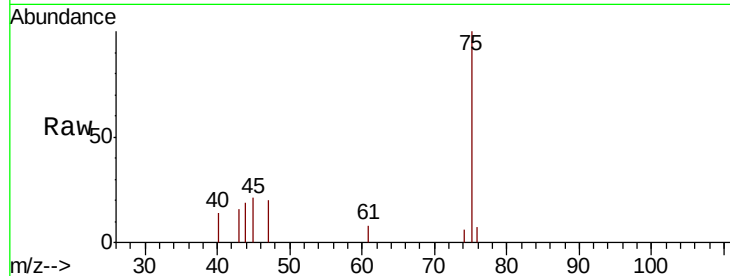




#30
2-Butanone
Concen: 0.320 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN064254.D
Acq: 22 Oct 2020 16:56

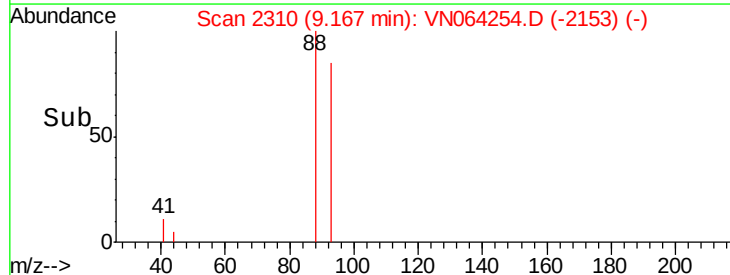
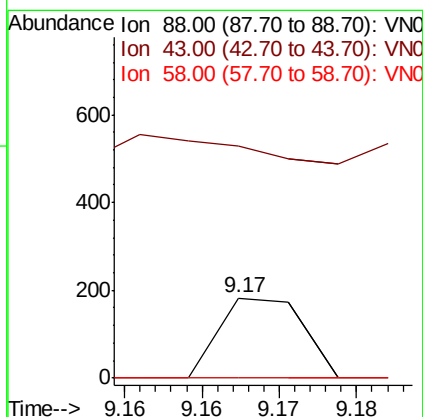
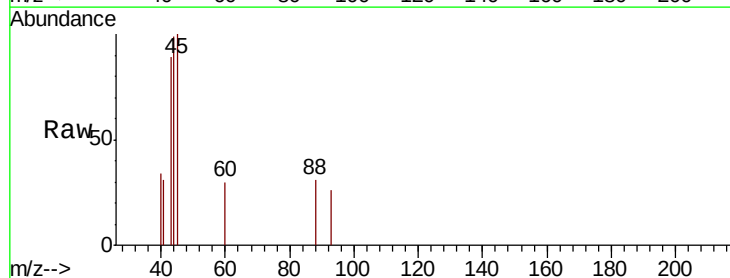
Instrument :
MSVOA_N
ClientSampled :
VN1022WBL01

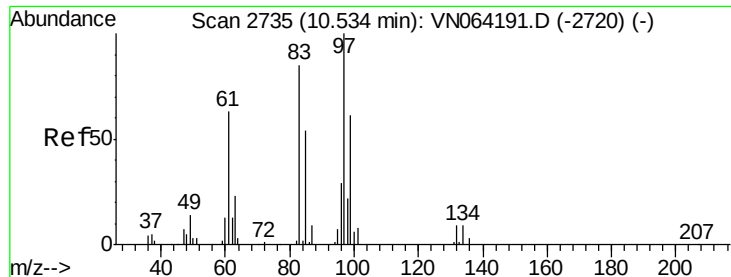
Tot Ion: 43 Resp: 493
Ion Ratio Lower Upper
43 100
57 0.0 5.8 8.6#
72 0.0 19.8 29.8#



#45
1,4-Dioxane
Concen: 1.799 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064254.D
Acq: 22 Oct 2020 16:56

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 195.6 37.0 55.4#
58 0.0 62.4 93.6#

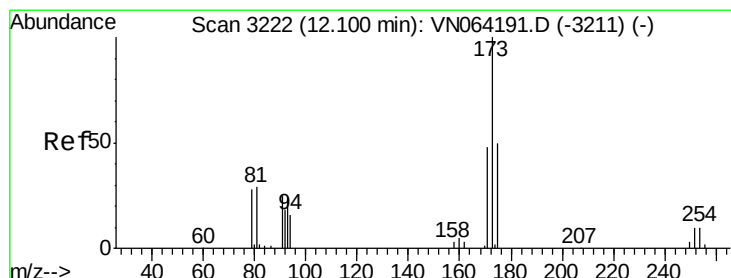
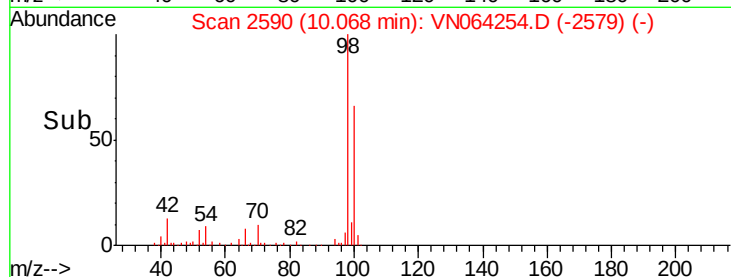
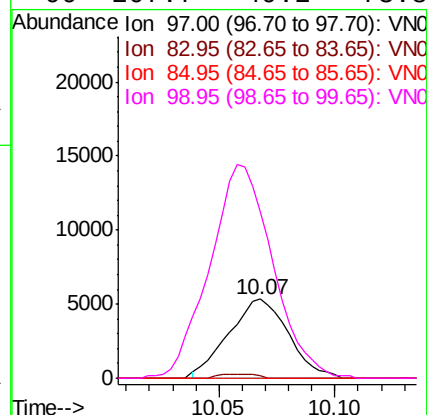
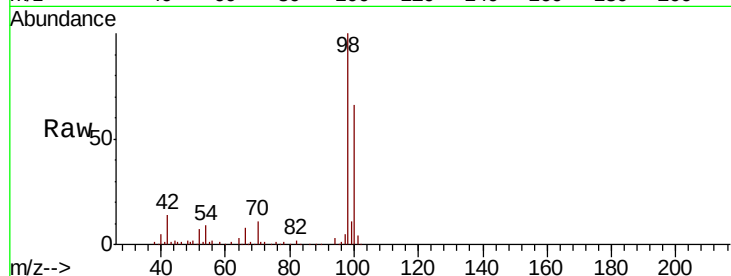




#50
 1,1,2-Trichloroethane
 Concen: 3.677 ug/l
 RT: 10.07 min Scan# 2590
 Delta R.T. -0.47 min
 Lab File: VN064254.D
 Acq: 22 Oct 2020 16:56

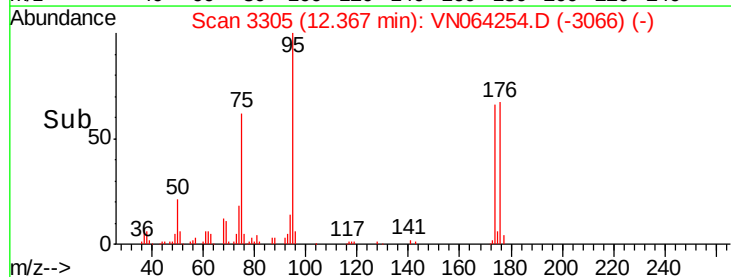
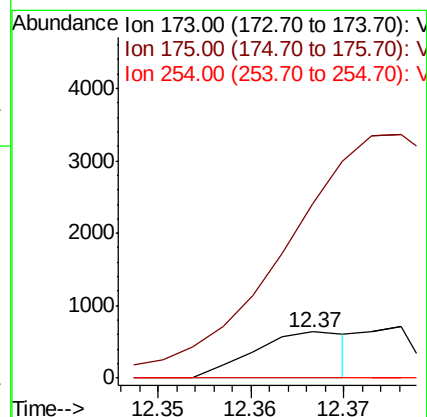
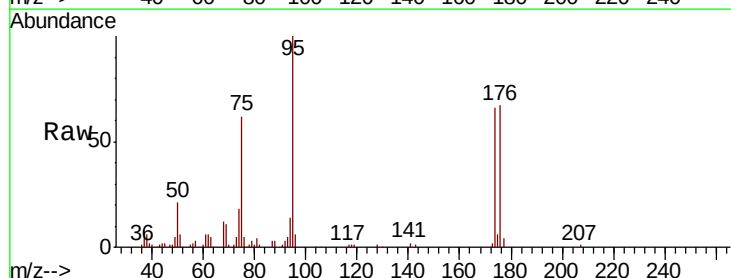
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBL01

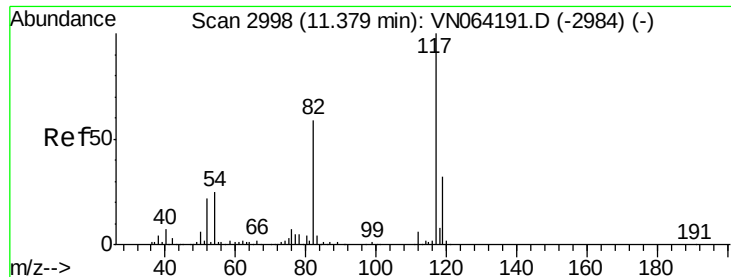
Tot Ion	97	Resp	9519
Ion	Ratio	Lower	Upper
97	100		
83	3.7	67.7	101.5#
85	0.0	43.2	64.8#
99	207.7	49.2	73.8#



#56
 Bromoform
 Concen: 0.200 ug/l
 RT: 12.37 min Scan# 3305
 Delta R.T. 0.27 min
 Lab File: VN064254.D
 Acq: 22 Oct 2020 16:56

Tgt Ion	173	Resp	454
Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.0	58.4#
254	0.0	6.8	10.2#

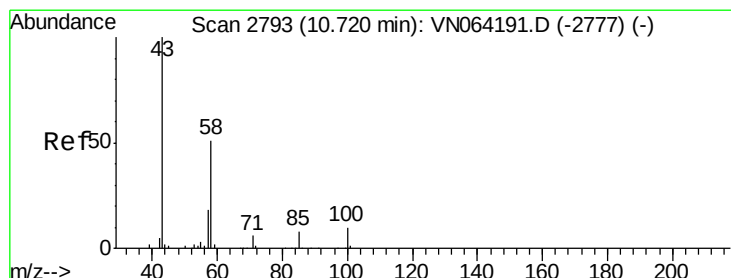
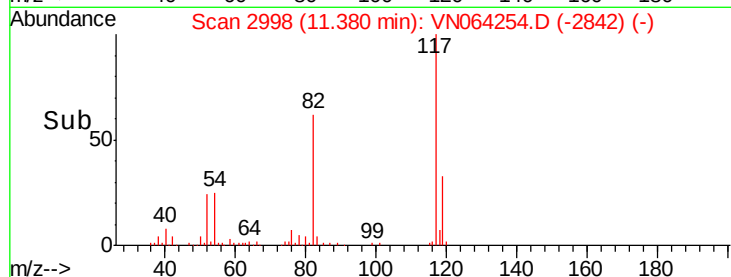
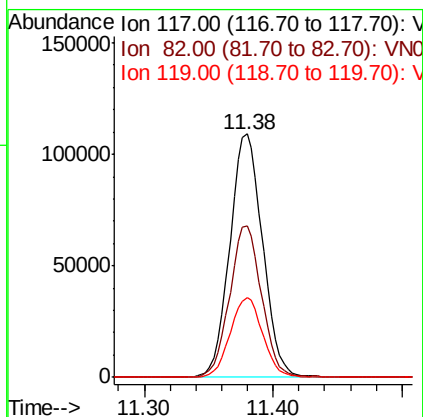
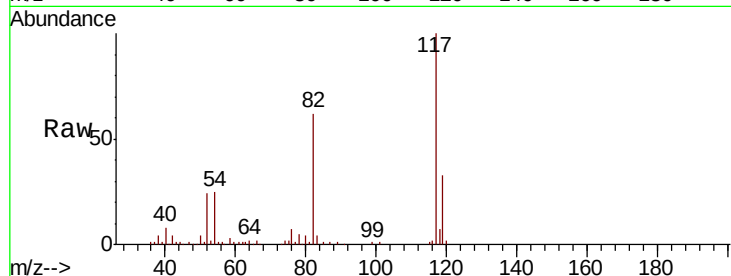




#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.38 min Scan# 2998
 Delta R.T. 0.00 min
 Lab File: VN064254.D
 Acq: 22 Oct 2020 16:56

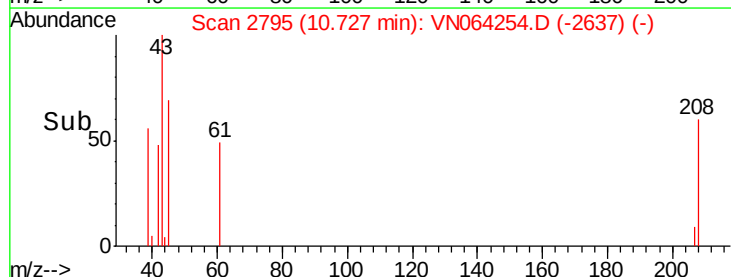
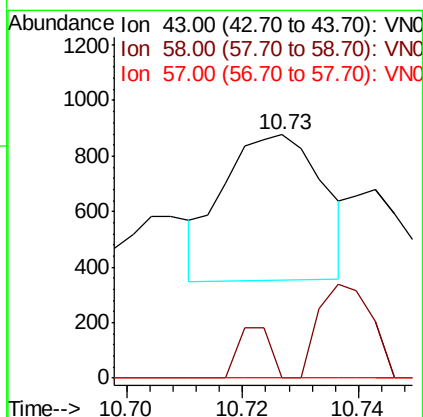
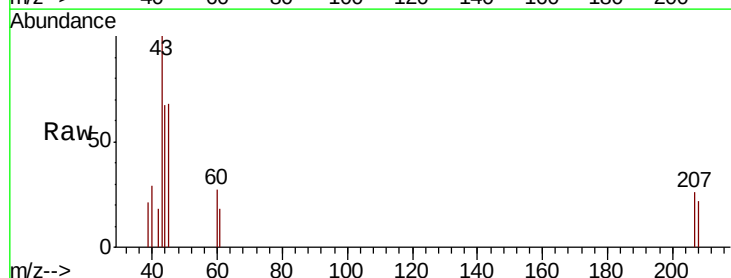
Instrument :
 MSVOA_N
 ClientSampled :
 VN1022WBL01

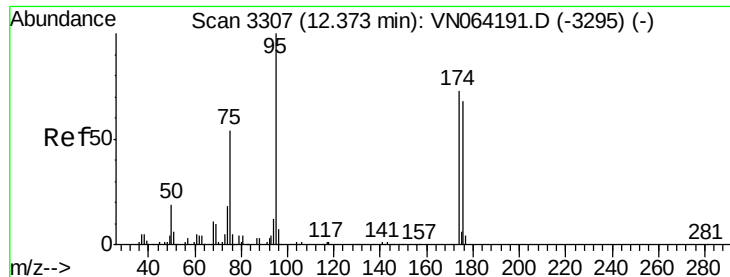
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	47.8	71.8
119	32.4	25.7	38.5



#59
 2-Hexanone
 Concen: 0.256 ug/l
 RT: 10.73 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN064254.D
 Acq: 22 Oct 2020 16:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	11.3	40.2	60.4#
57	0.0	14.8	22.2#

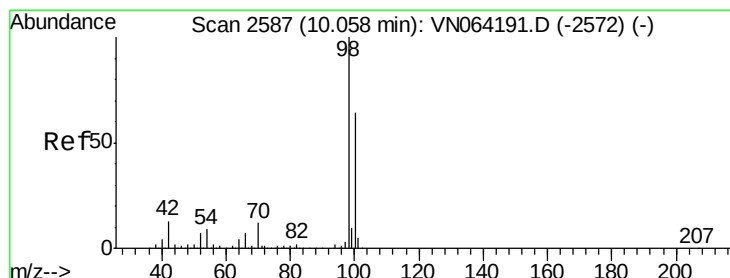
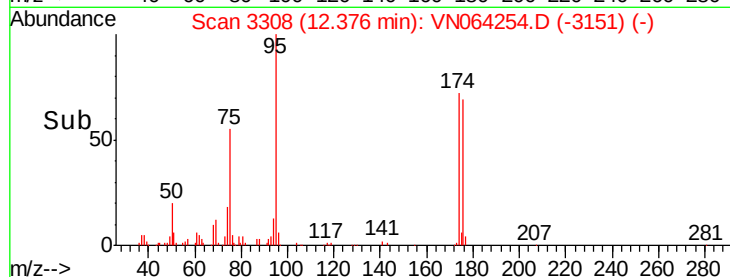
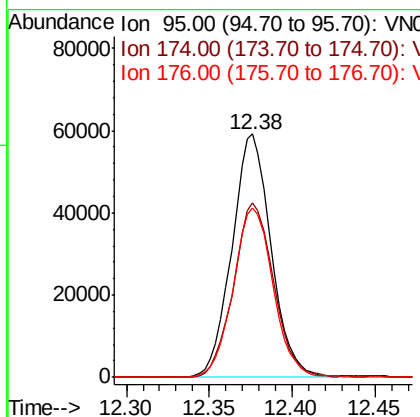
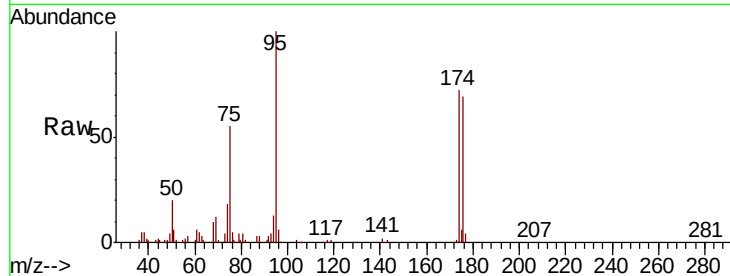




#60
4-Bromofluorobenzene
Concen: 28.189 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064254.D
Acq: 22 Oct 2020 16:56

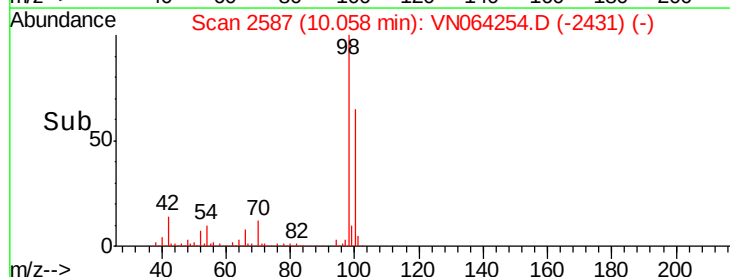
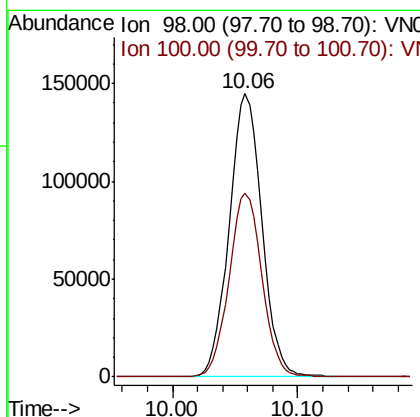
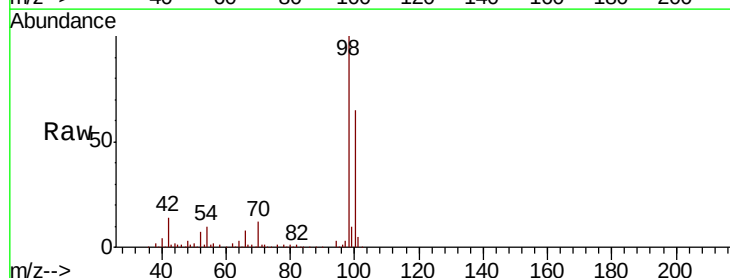
Instrument :
MSVOA_N
ClientSampled :
VN1022WBL01

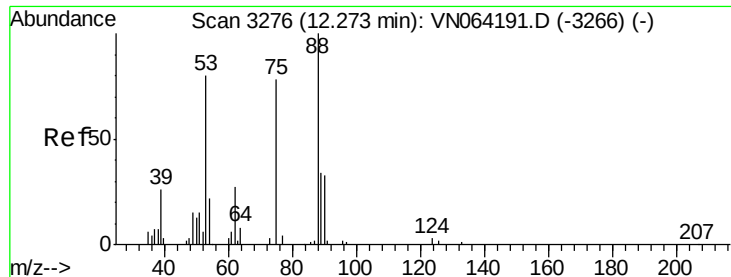
Tot Ion: 95 Resp: 97181
Ion Ratio Lower Upper
95 100
174 73.4 57.6 86.4
176 70.7 54.9 82.3



#63
Toluene-d8
Concen: 30.101 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064254.D
Acq: 22 Oct 2020 16:56

Tgt Ion: 98 Resp: 262158
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.2





#77

t-1,4-Dichloro-2-butene

Concen: 41.055 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064254.D

Acq: 22 Oct 2020 16:56

Instrument :

MSVOA_N

ClientSampled :

VN1022WBL01

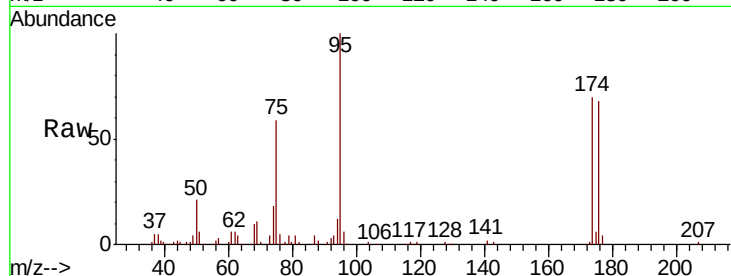
Tot Ion: 75 Resp: 55319

Ion Ratio Lower Upper

75 100

53 0.0 51.4 154.2#

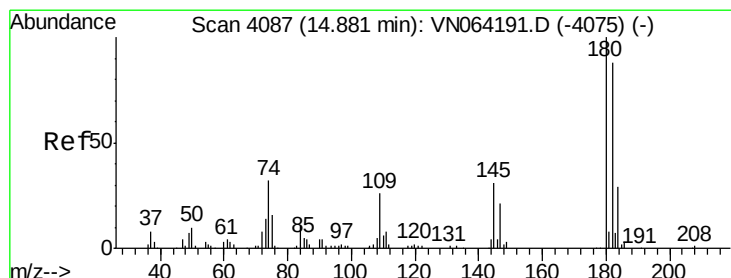
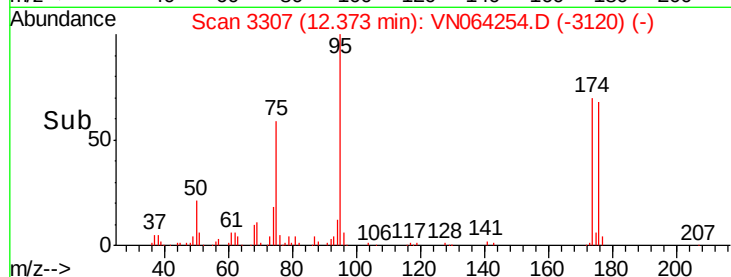
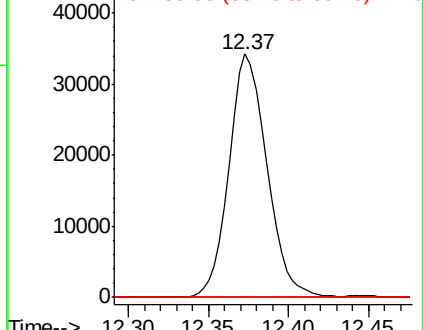
89 0.0 23.8 71.5#



Abundance Ion 75.00 (74.70 to 75.70): VN064191.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064191.D (-3266) (-)

Ion 89.00 (88.70 to 89.70): VN064191.D (-3266) (-)



#89

1,2,4-Trichlorobenzene

Concen: 0.325 ug/l

RT: 14.89 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN064254.D

Acq: 22 Oct 2020 16:56

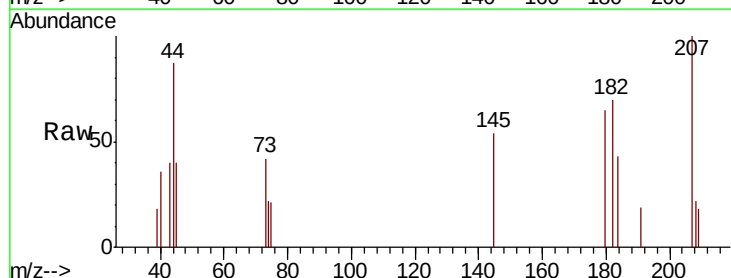
Tgt Ion: 180 Resp: 991

Ion Ratio Lower Upper

180 100

182 0.0 73.0 109.4#

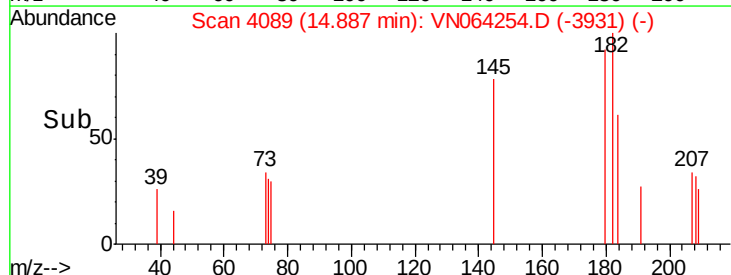
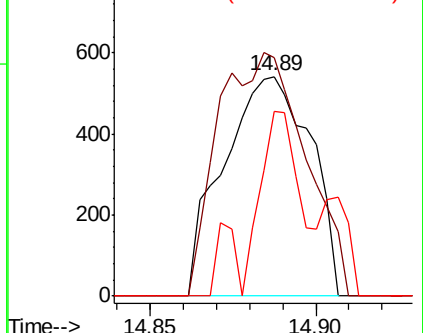
145 39.2 24.3 36.5#

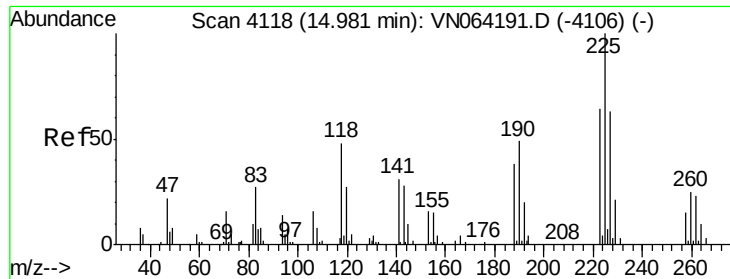


Abundance Ion 180.00 (179.70 to 180.70): VN064191.D (-4075) (-)

Ion 182.00 (181.70 to 182.70): VN064191.D (-4075) (-)

Ion 145.00 (144.70 to 145.70): VN064191.D (-4075) (-)





#90

Hexachlorobutadiene

Concen: 0.969 ug/l

RT: 14.99 min Scan# 4120

Delta R.T. 0.01 min

Lab File: VN064254.D

Acq: 22 Oct 2020 16:56

Instrument :

MSVOA_N

ClientSampled :

VN1022WBL01

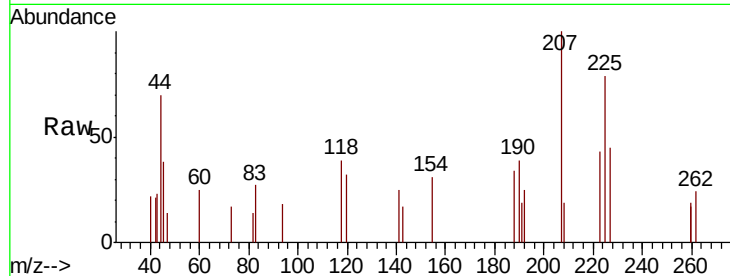
Tot Ion:225 Resp: 1498

Ion Ratio Lower Upper

225 100

223 24.8 0.0 127.0

227 71.6 0.0 129.4

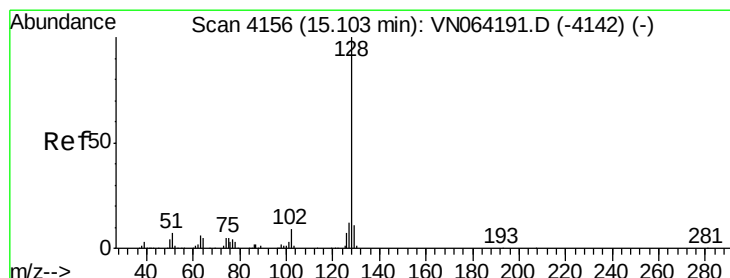
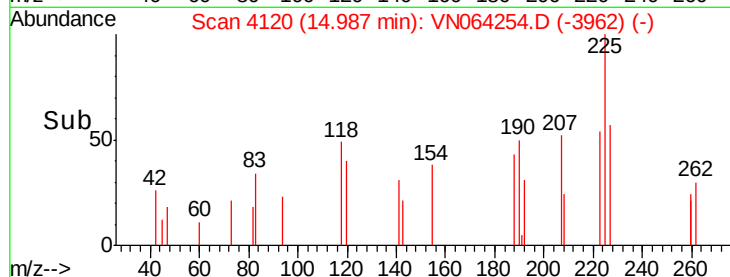
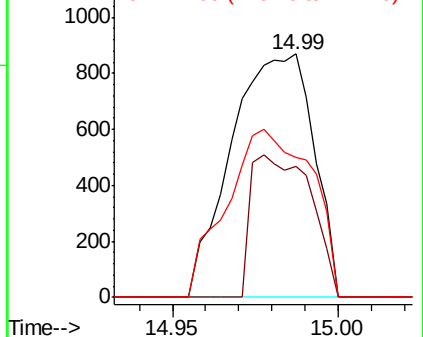


Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 0.476 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064254.D

Acq: 22 Oct 2020 16:56

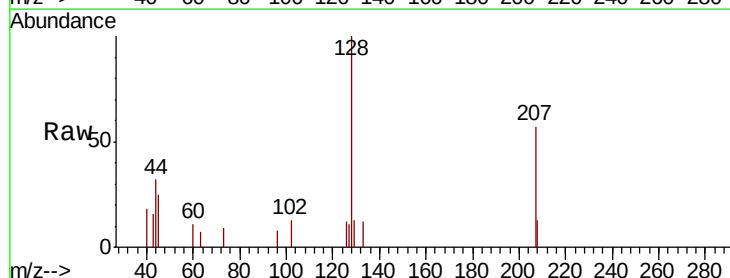
Tgt Ion:128 Resp: 4402

Ion Ratio Lower Upper

128 100

127 7.5 10.1 15.1#

129 7.8 8.7 13.1#

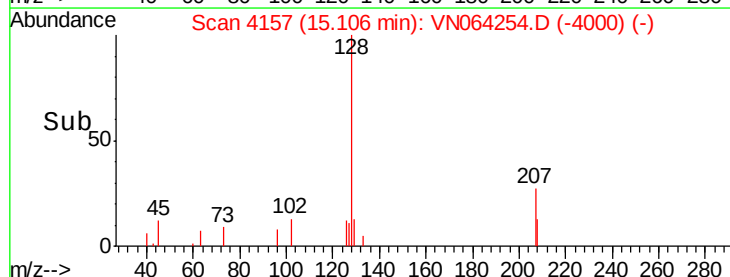
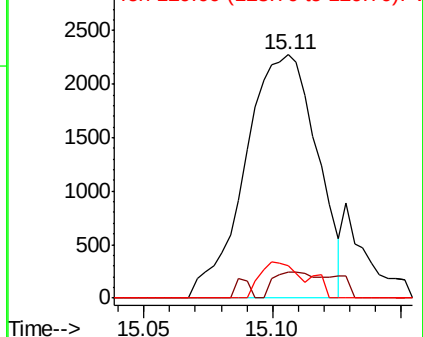


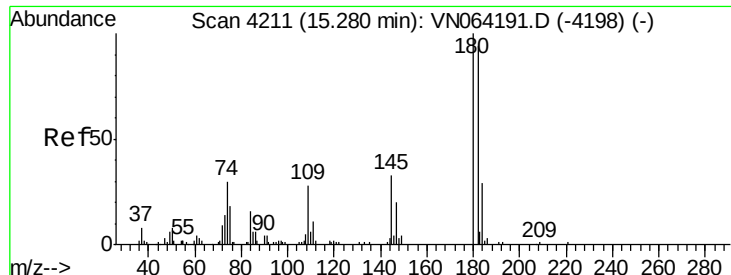
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

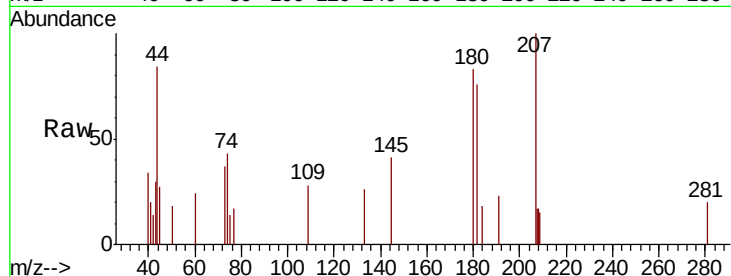




#92
 1,2,3-Trichlorobenzene
 Concen: 0.369 ug/l
 RT: 15.29 min Scan# 4214
 Delta R.T. 0.01 min
 Lab File: VN064254.D
 Acq: 22 Oct 2020 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBL01

Tot Ion:180 Resp: 1077
 Ion Ratio Lower Upper
 180 100
 182 141.1 0.0 190.0
 145 27.0 0.0 66.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

