

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054507.D
 Acq On : 21 Mar 2019 13:24
 Operator : JC/SP
 Sample : VN0321WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBL01

Quant Time: Mar 22 10:14:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	710634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1071521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	881825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	316213	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	415519	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
35) Dibromofluoromethane	7.59	113	332535	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
50) Toluene-d8	10.09	98	1268345	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	12.40	95	384820	43.58	ug/l	0.00
Spiked Amount			Recovery	=	87.16%	

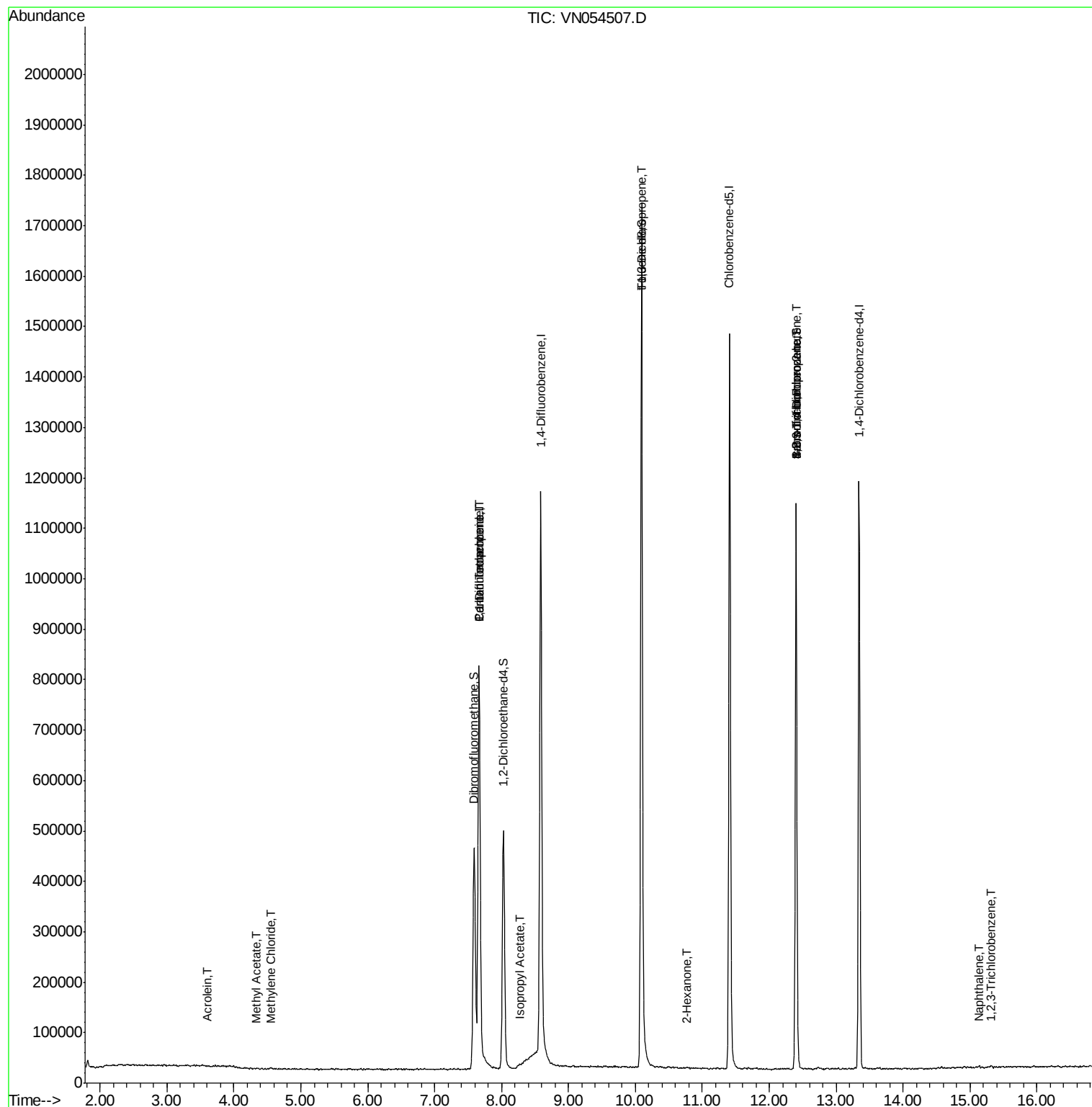
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	357	0.483	ug/l #	1
18) Methyl Acetate	4.34	43	1728	0.292	ug/l #	62
20) Methylene Chloride	4.54	84	1576	0.201	ug/l #	86
31) Cyclohexane	7.66	56	14621	Below Cal	#	21
36) 1,1-Dichloropropene	7.66	75	50365	5.027	ug/l #	48
38) Carbon Tetrachloride	7.67	117	62801	6.450	ug/l #	16
43) Isopropyl Acetate	8.27	43	8659	0.720	ug/l #	60
53) t-1,3-Dichloropropene	10.10	75	91	2.241	ug/l #	1
59) 2-Hexanone	10.76	43	1140	0.262	ug/l #	62
71) Bromoform	12.39	173	624	2.355	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	198048	39.469	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	198048	130.604	ug/l #	11
94) Hexachlorobutadiene	15.01	225	480	Below Cal	#	65
95) Naphthalene	15.13	128	3204	0.284	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.32	180	1263	0.251	ug/l	92

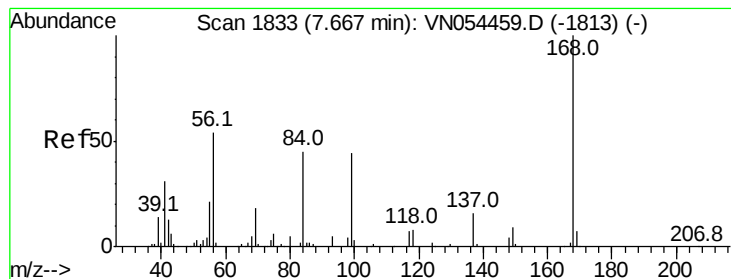
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054507.D

Acq: 21 Mar 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

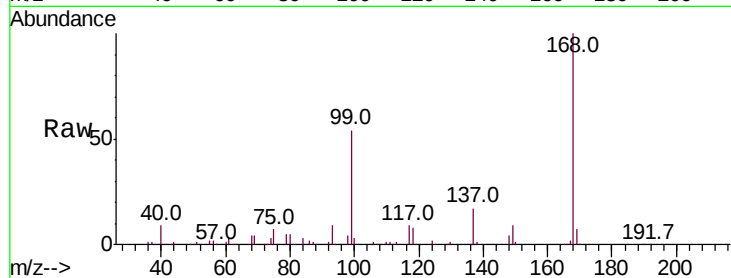
VN0321WBL01

Tot Ion:168 Resp: 710634

Ion Ratio Lower Upper

168 100

99 53.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054459.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054459.D (-1813) (-)

7.66

300000

250000

200000

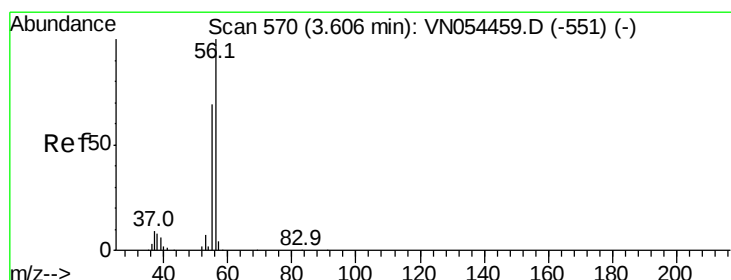
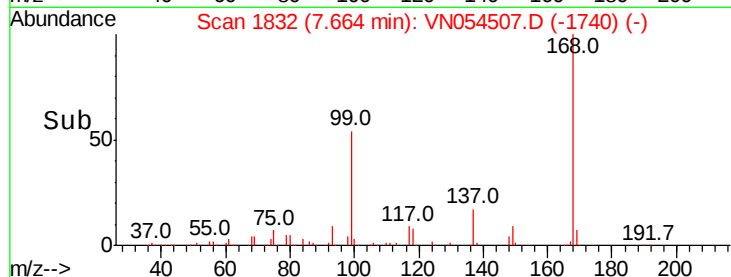
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.483 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054507.D

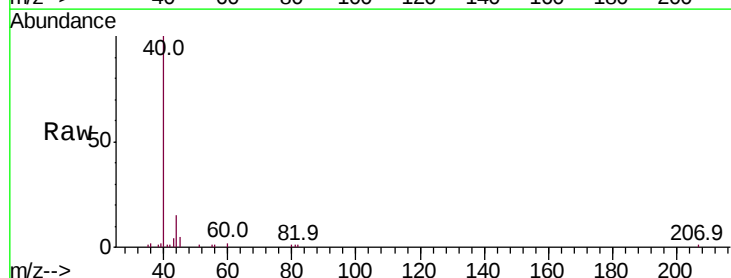
Acq: 21 Mar 2019 13:24

Tgt Ion: 56 Resp: 357

Ion Ratio Lower Upper

56 100

55 186.3 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN054459.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN054459.D (-551) (-)

3.60

500

400

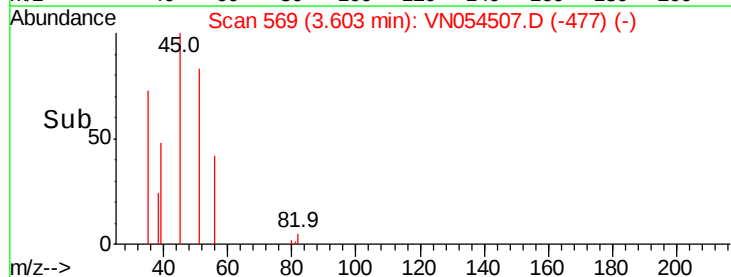
300

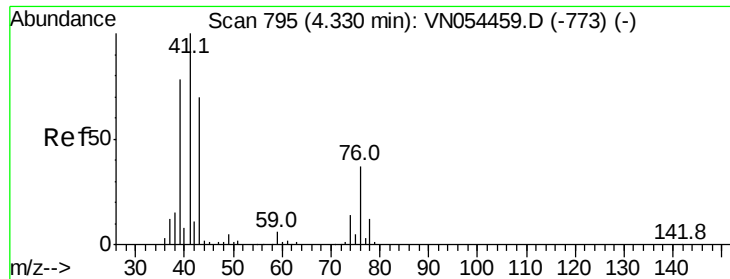
200

100

0

Time-->

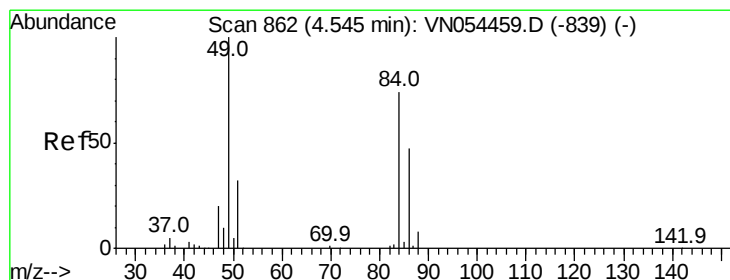
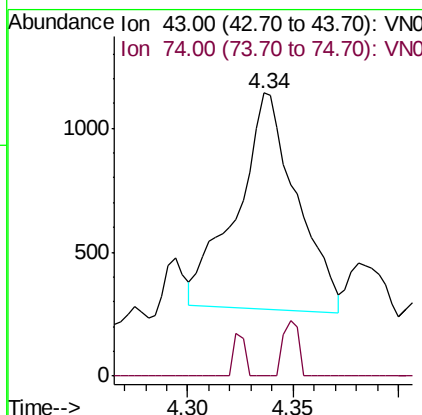
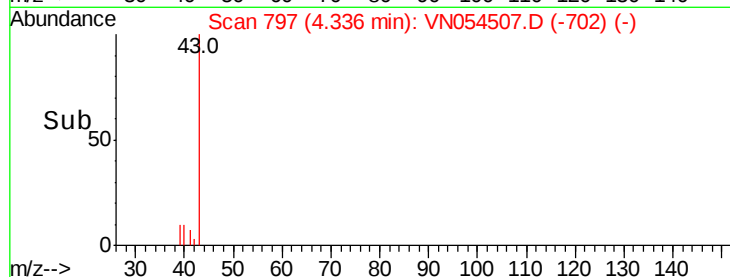
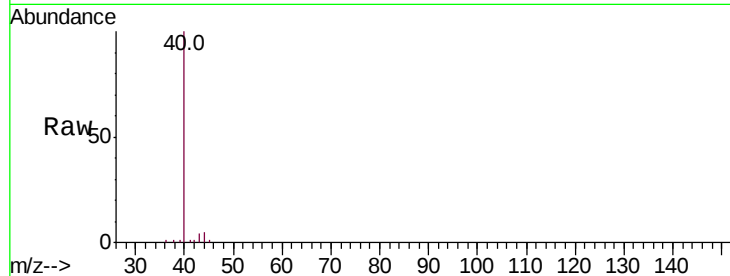




#18
Methyl Acetate
Concen: 0.292 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN054507.D
Acq: 21 Mar 2019 13:24

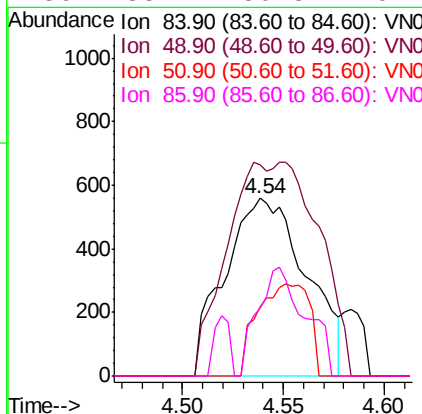
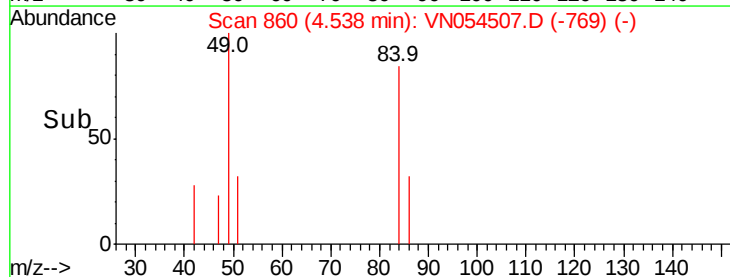
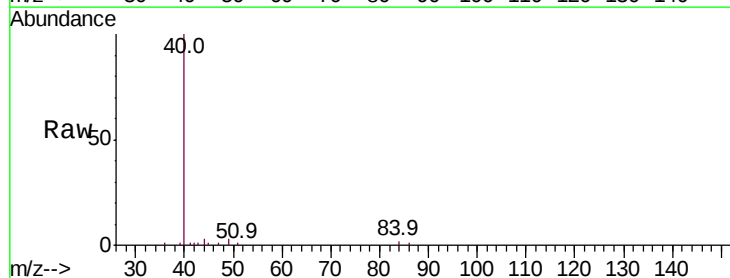
Instrument :
MSVOA_N
ClientSampled :
VN0321WBL01

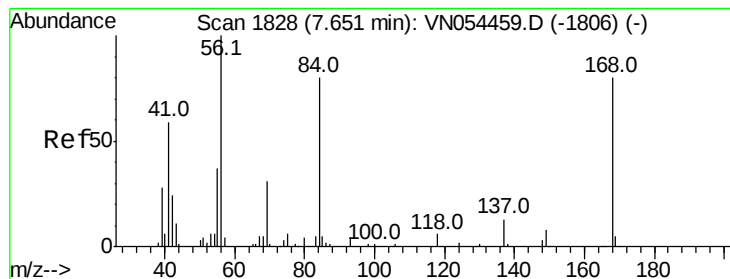
Tot Ion: 43 Resp: 1728
Ion Ratio Lower Upper
43 100
74 6.5 20.8 31.2#



#20
Methylene Chloride
Concen: 0.201 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN054507.D
Acq: 21 Mar 2019 13:24

Tgt Ion: 84 Resp: 1576
Ion Ratio Lower Upper
84 100
49 119.1 89.7 134.5
51 38.6 28.2 42.4
86 38.1 50.8 76.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

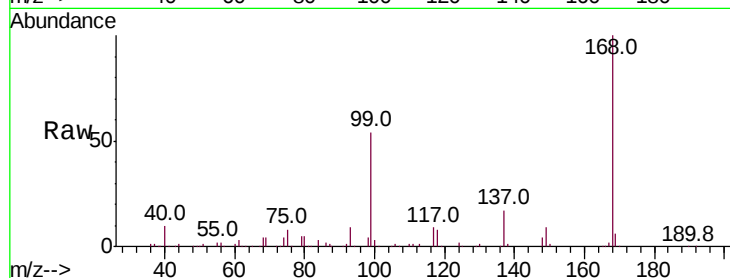
Lab File: VN054507.D

Acq: 21 Mar 2019 13:24

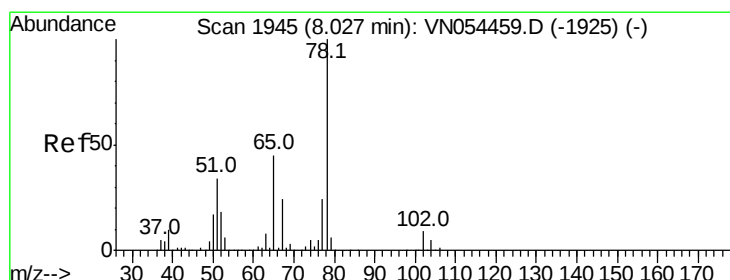
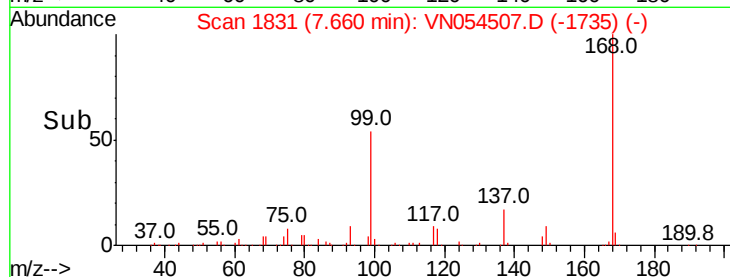
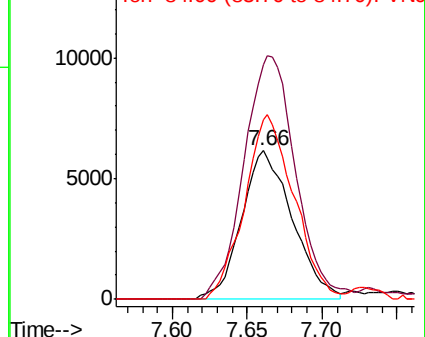
Instrument :
MSVOA_N
ClientSampled :
VN0321WBL01

Tot Ion: 56 Resp: 14621

Ion	Ratio	Lower	Upper
56	100		
69	157.8	27.8	41.6#
84	121.2	74.6	111.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.009 ug/l

RT: 8.03 min Scan# 1945

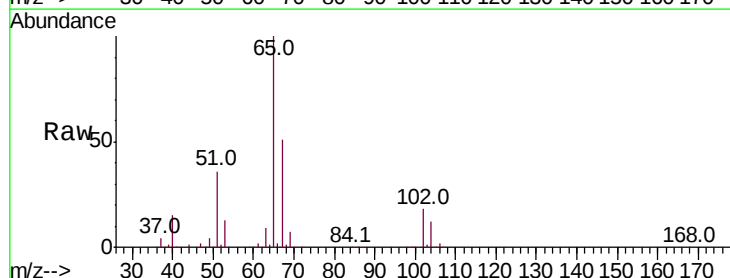
Delta R.T. -0.00 min

Lab File: VN054507.D

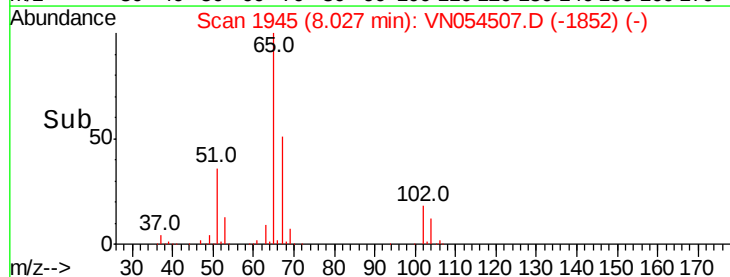
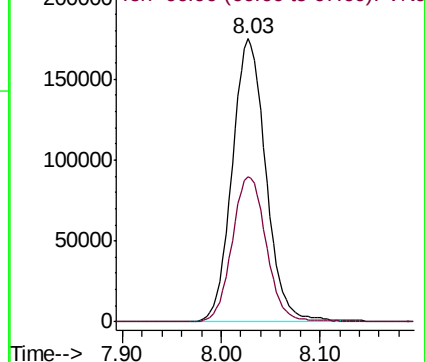
Acq: 21 Mar 2019 13:24

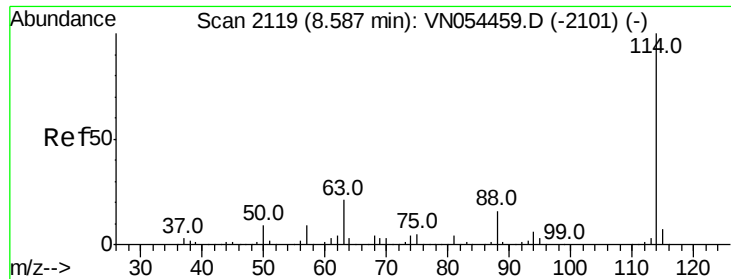
Tgt Ion: 65 Resp: 415519

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



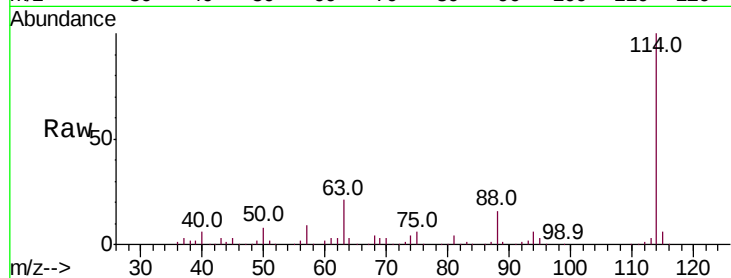


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054507.D
 Acq: 21 Mar 2019 13:24

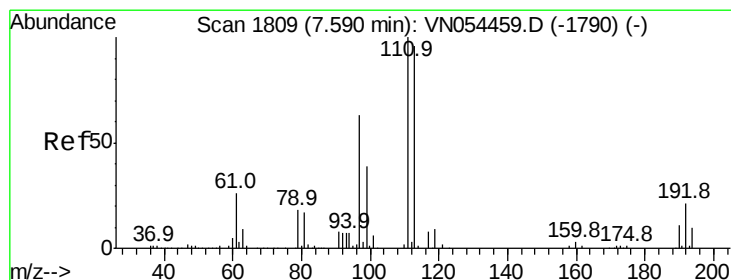
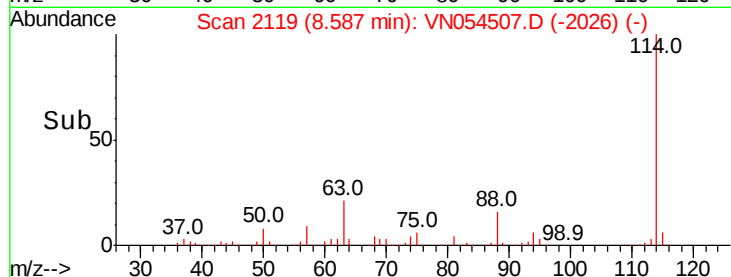
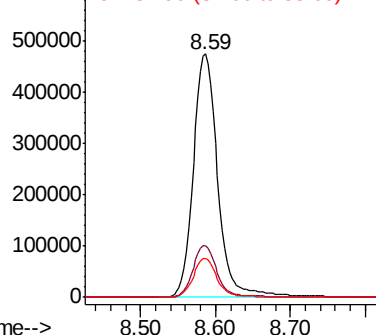
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBL01

Tot Ion:114 Resp: 1071521

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	35.2
88	16.0	0.0	30.2



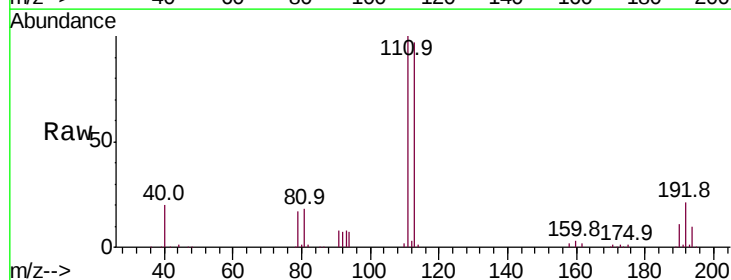
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



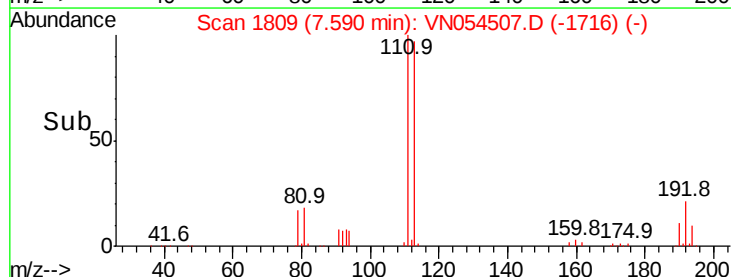
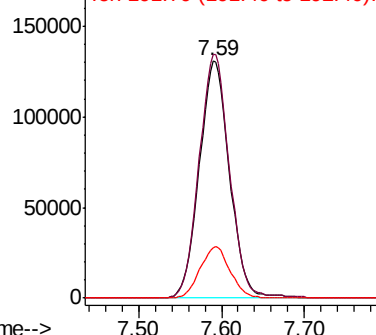
#35
 Dibromofluoromethane
 Concen: 48.171 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054507.D
 Acq: 21 Mar 2019 13:24

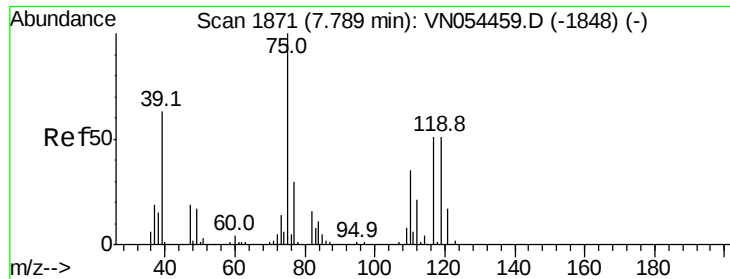
Tgt Ion:113 Resp: 332535

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.4
192	21.4	19.2	28.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

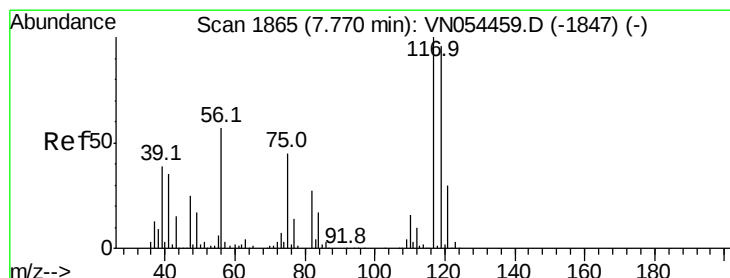
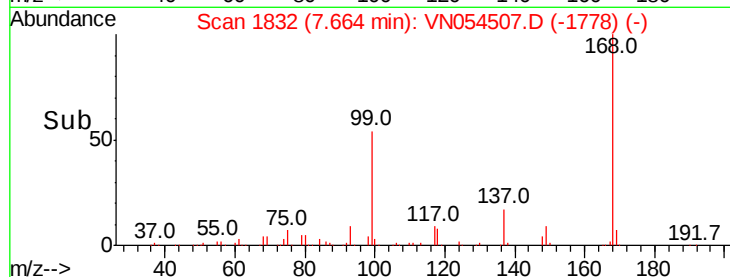
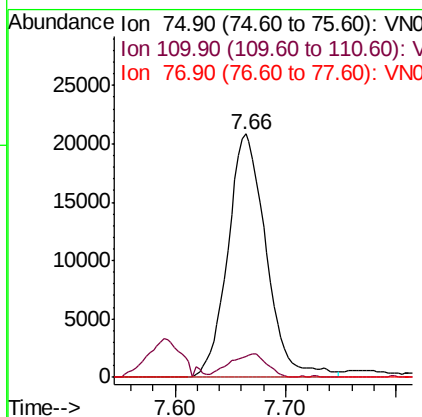
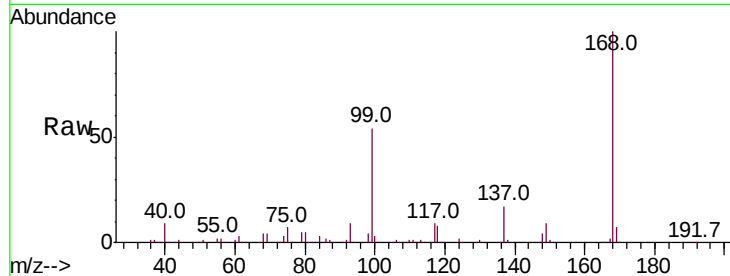




#36
 1,1-Dichloropropene
 Concen: 5.027 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054507.D
 Acq: 21 Mar 2019 13:24

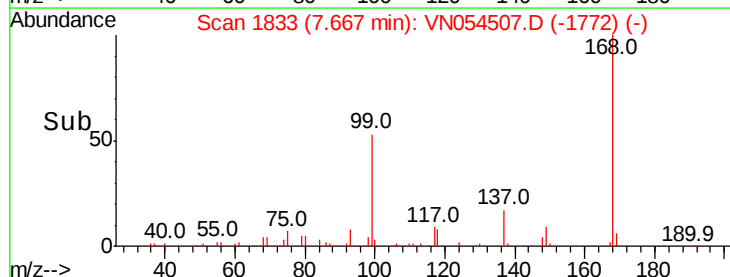
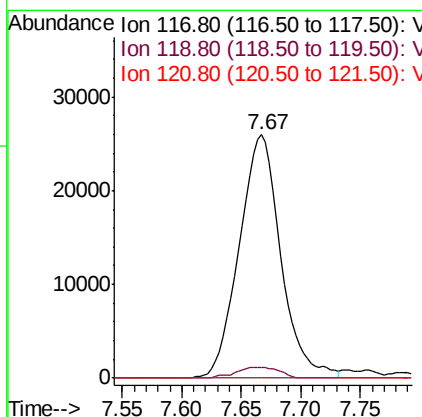
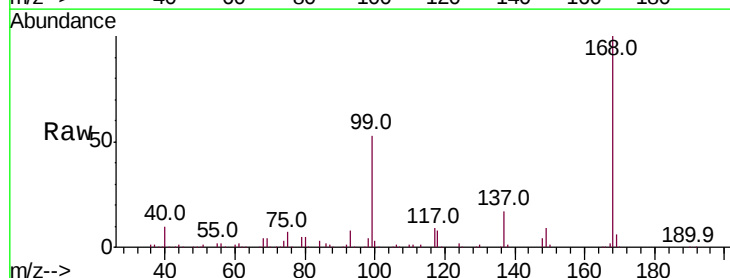
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBL01

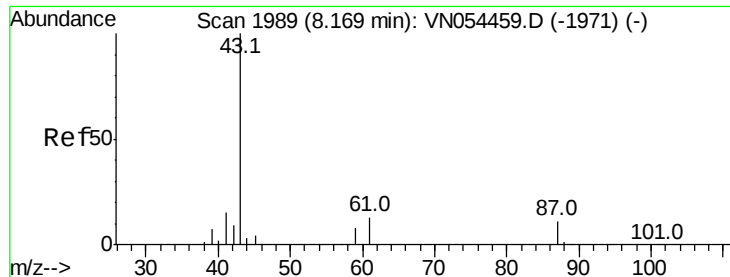
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.450 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN054507.D
 Acq: 21 Mar 2019 13:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.3	114.5#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 0.720 ug/l

RT: 8.27 min Scan# 2022

Delta R.T. 0.11 min

Lab File: VN054507.D

Acq: 21 Mar 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL01

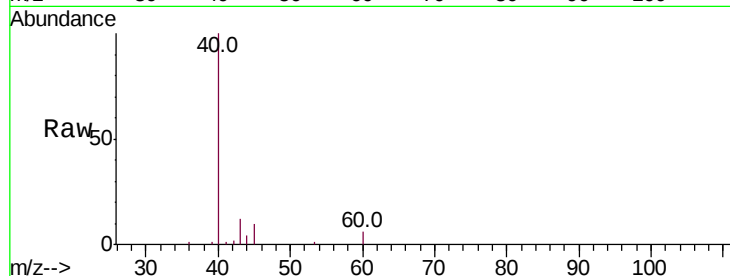
Tot Ion: 43 Resp: 8659

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

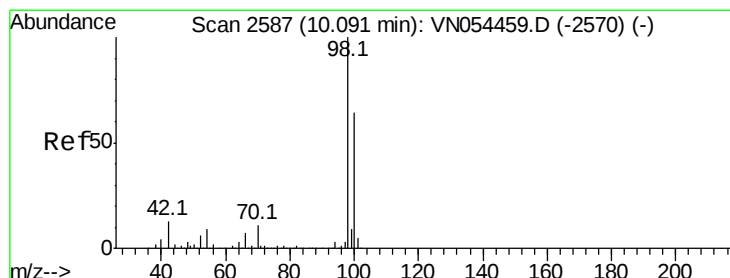
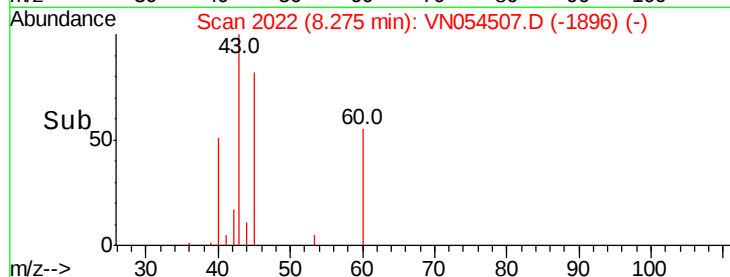
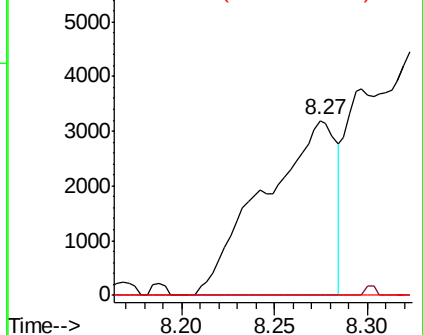
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 48.873 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054507.D

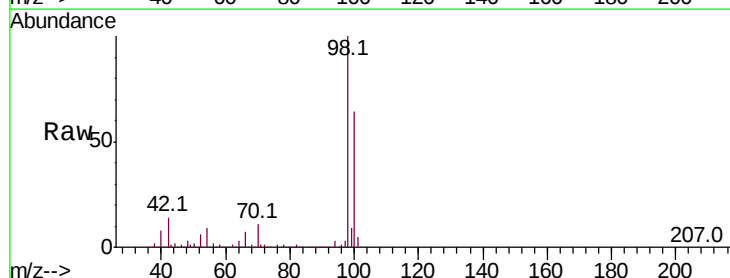
Acq: 21 Mar 2019 13:24

Tgt Ion: 98 Resp: 1268345

Ion Ratio Lower Upper

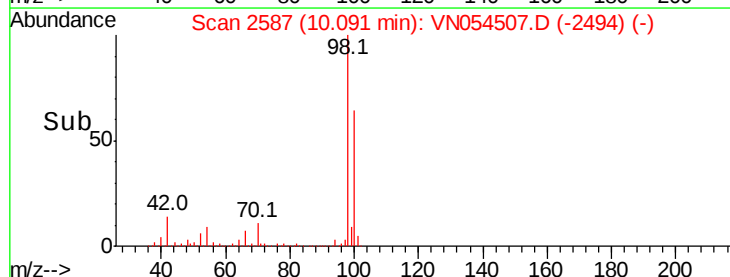
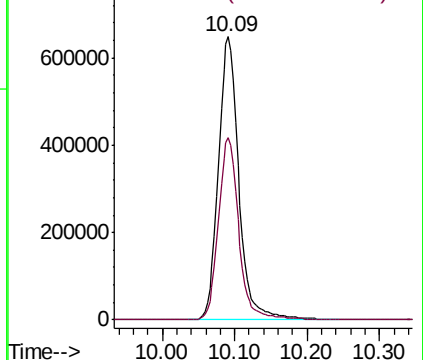
98 100

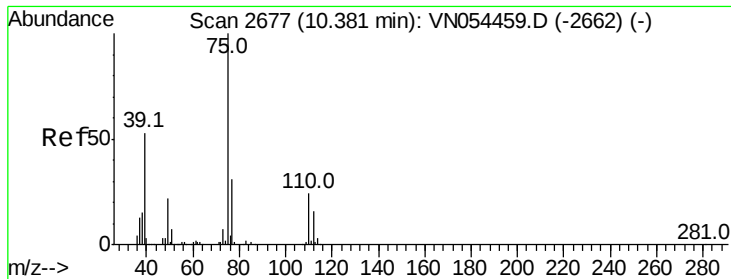
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#53

t-1,3-Dichloropropene

Concen: 2.241 ug/l

RT: 10.10 min Scan# 2591

Delta R.T. -0.28 min

Lab File: VN054507.D

Acq: 21 Mar 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

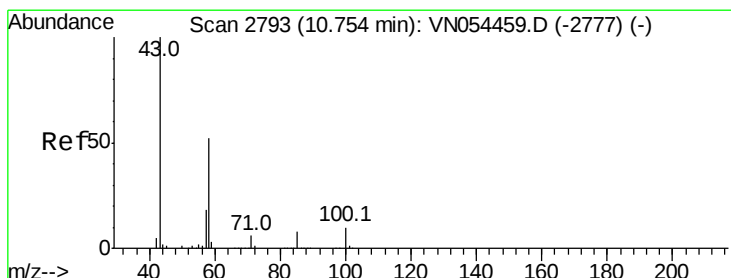
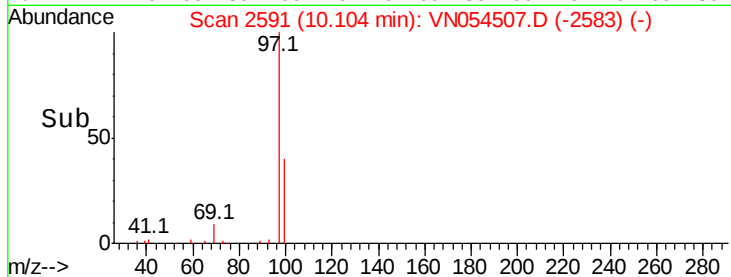
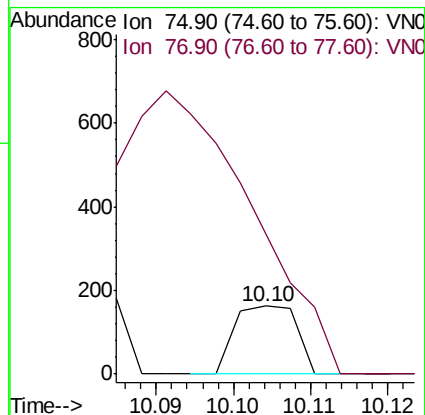
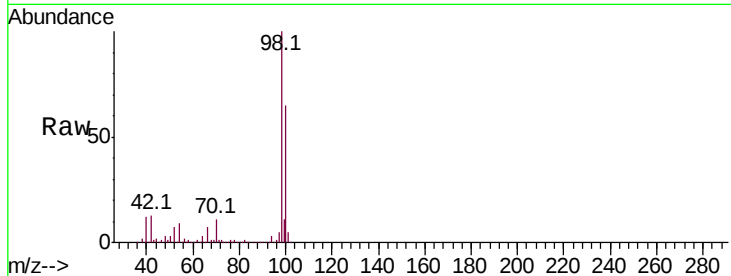
VN0321WBL01

Tot Ion: 75 Resp: 91

Ion Ratio Lower Upper

75 100

77 204.9 25.8 38.8#



#59

2-Hexanone

Concen: 0.262 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN054507.D

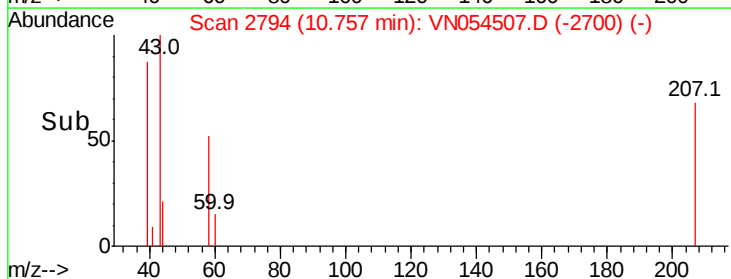
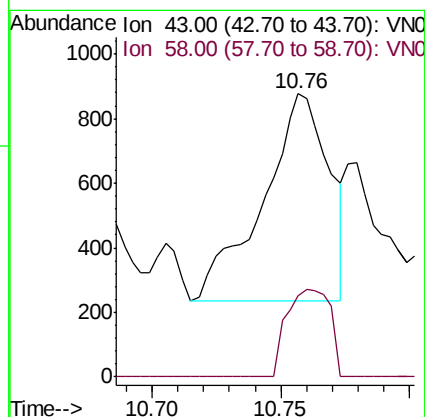
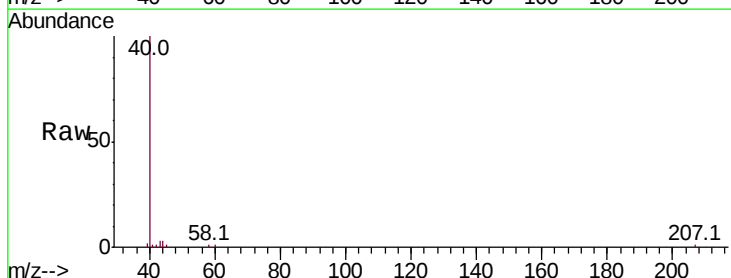
Acq: 21 Mar 2019 13:24

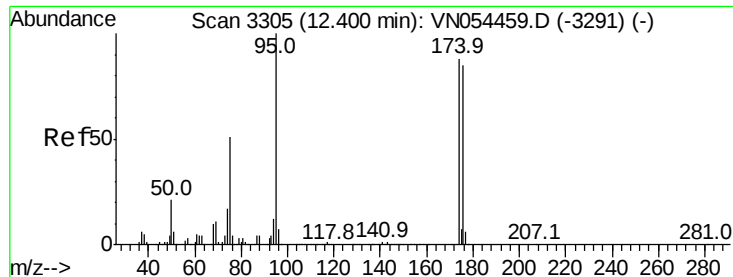
Tgt Ion: 43 Resp: 1140

Ion Ratio Lower Upper

43 100

58 27.9 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 43.576 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054507.D

Acq: 21 Mar 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL01

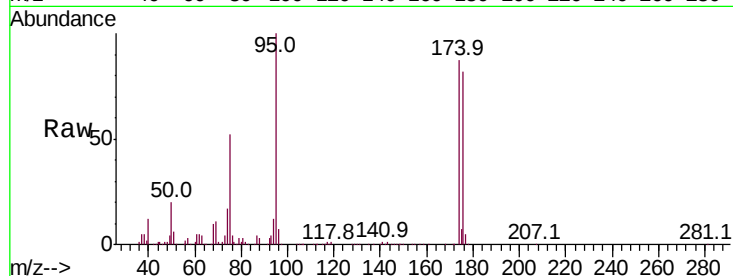
Tot Ion: 95 Resp: 384820

Ion Ratio Lower Upper

95 100

174 86.2 0.0 191.0

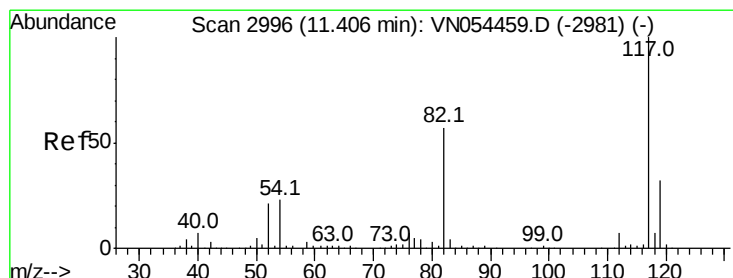
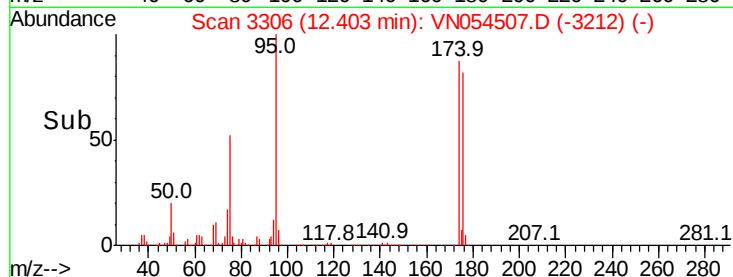
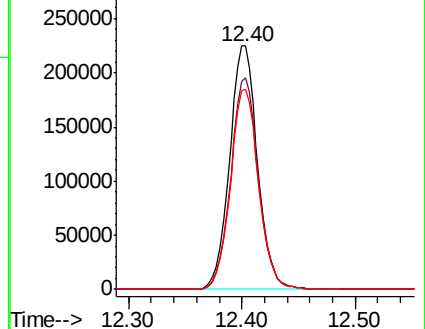
176 82.8 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054507.D

Acq: 21 Mar 2019 13:24

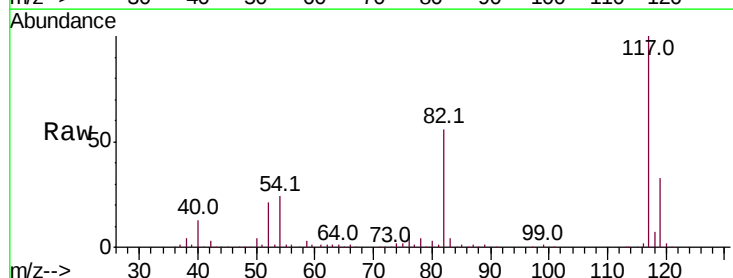
Tgt Ion: 117 Resp: 881825

Ion Ratio Lower Upper

117 100

82 56.5 40.0 60.0

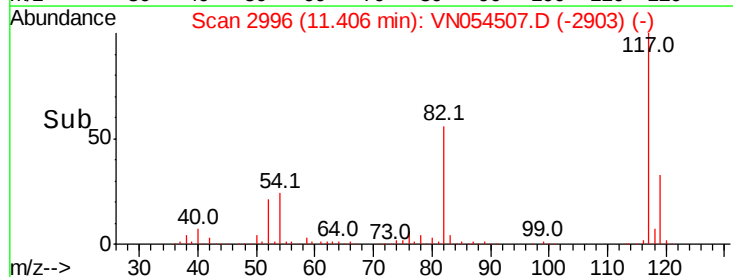
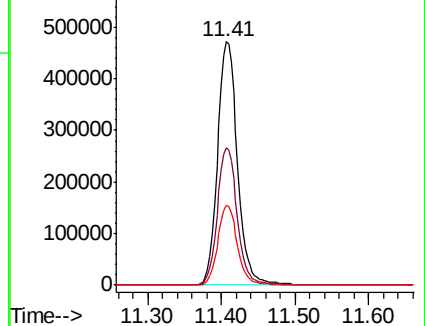
119 32.8 25.8 38.6

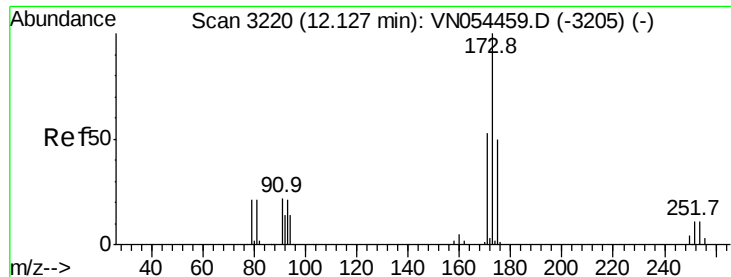


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 2.355 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN054507.D

Acq: 21 Mar 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL01

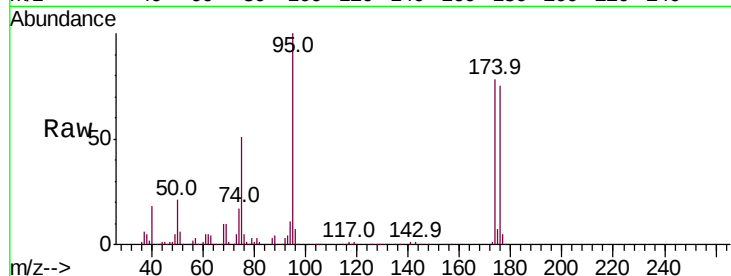
Tot Ion:173 Resp: 624

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

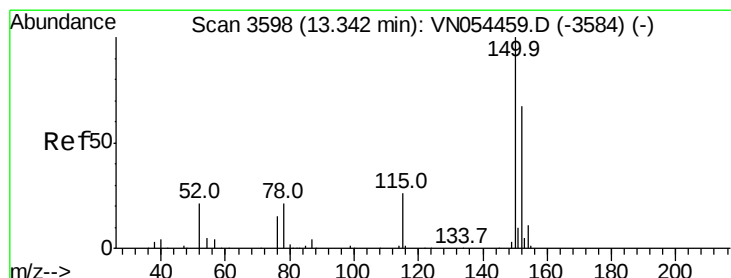
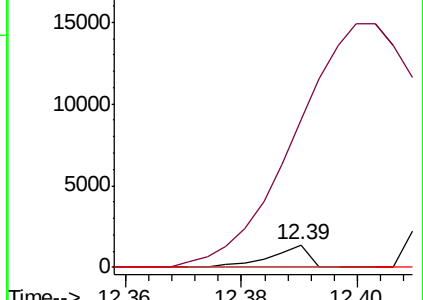
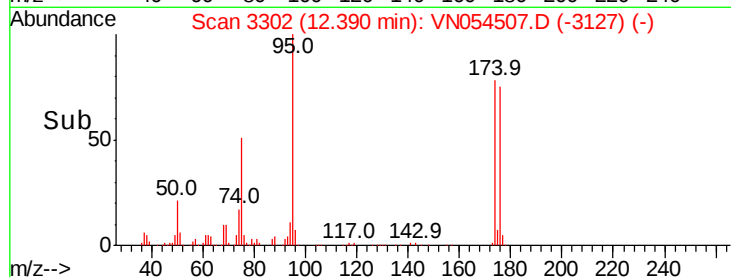
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

20000 Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054507.D

Acq: 21 Mar 2019 13:24

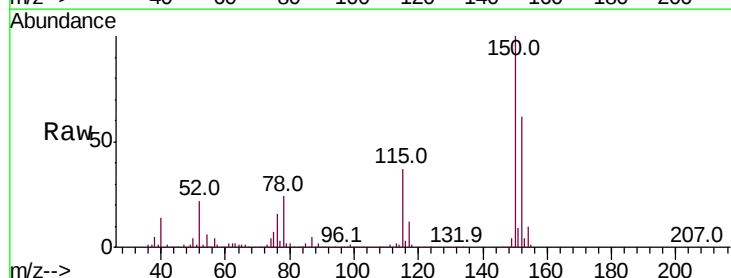
Tgt Ion:152 Resp: 316213

Ion Ratio Lower Upper

152 100

115 58.1 27.2 81.6

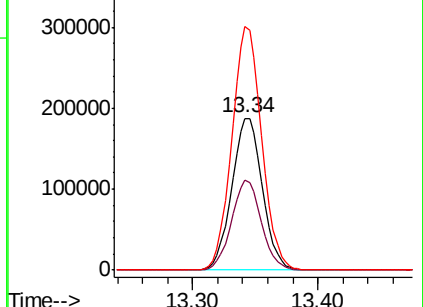
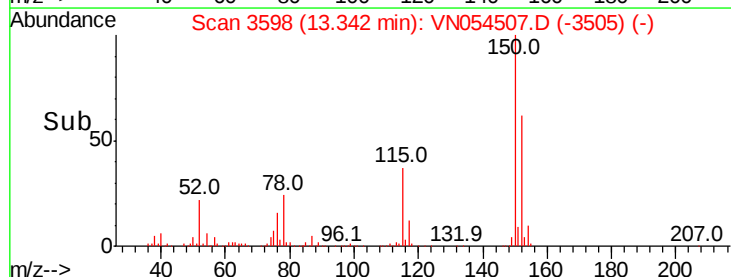
150 156.7 0.0 349.2

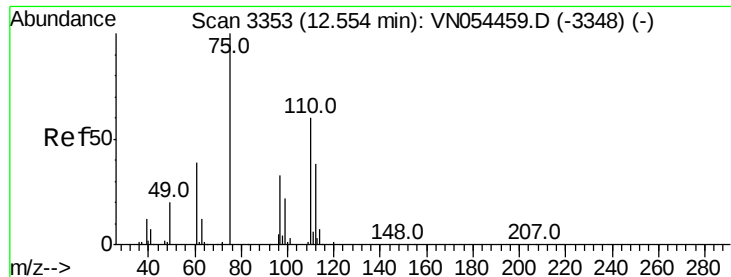


Abundance Ion 151.90 (151.60 to 152.60): V

400000 Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 39.469 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054507.D

Acq: 21 Mar 2019 13:24

Instrument :

MSVOA_N

ClientSampled :

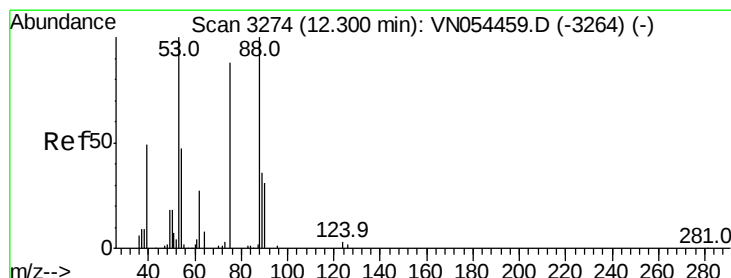
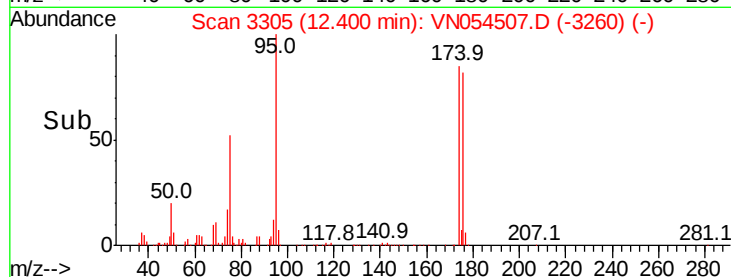
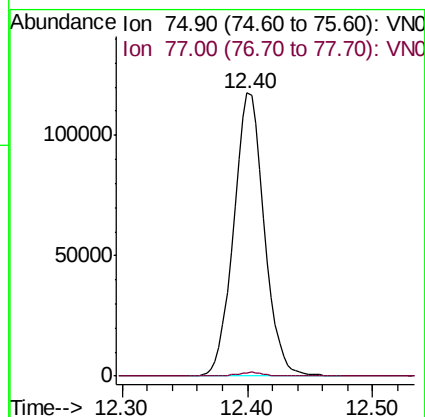
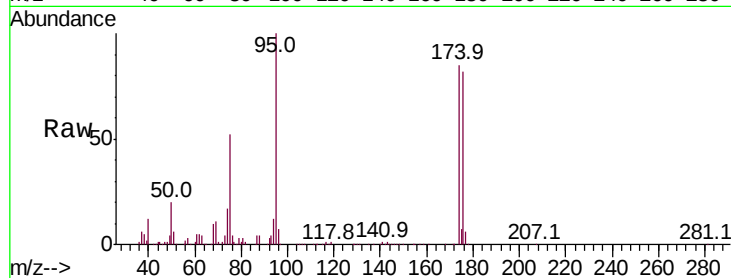
VN0321WBL01

Tot Ion: 75 Resp: 198048

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 130.604 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054507.D

Acq: 21 Mar 2019 13:24

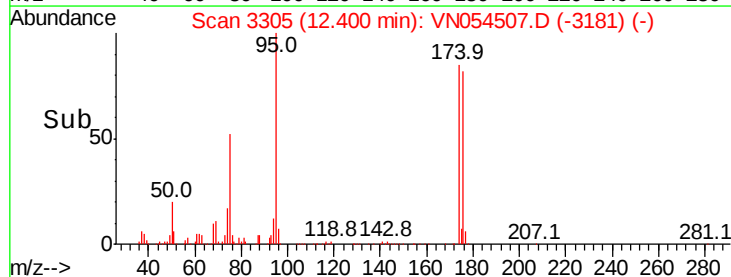
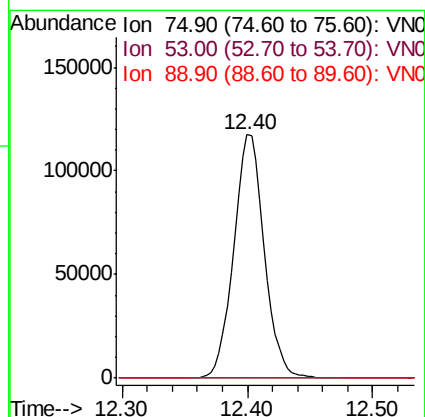
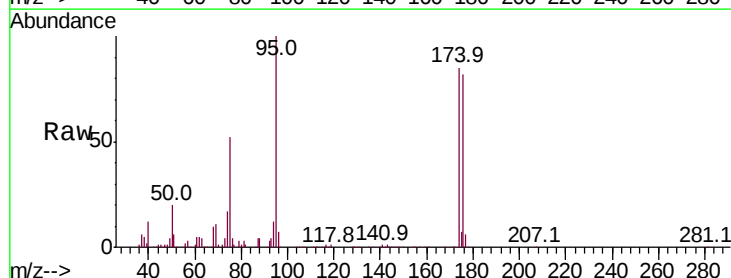
Tgt Ion: 75 Resp: 198048

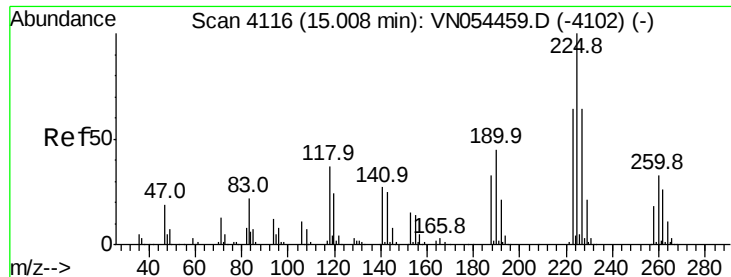
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#

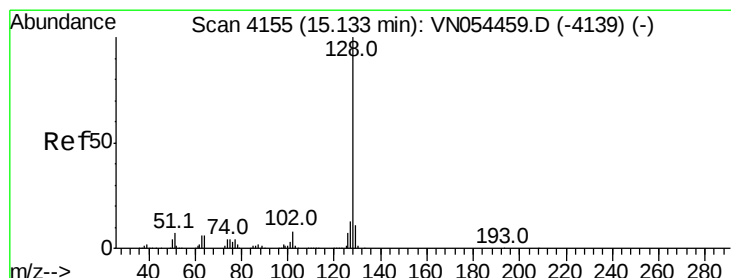
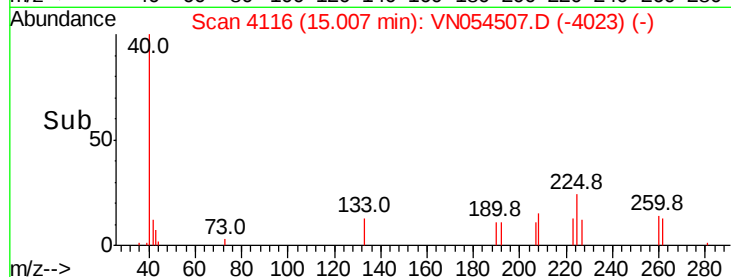
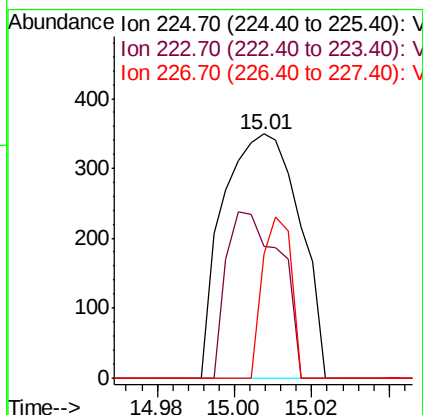
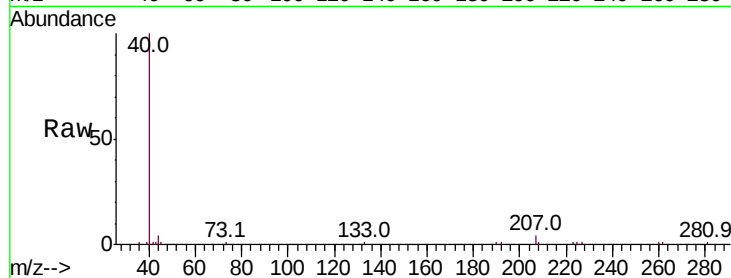




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN054507.D
Acq: 21 Mar 2019 13:24

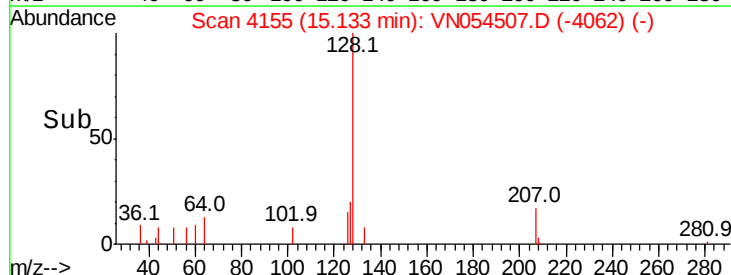
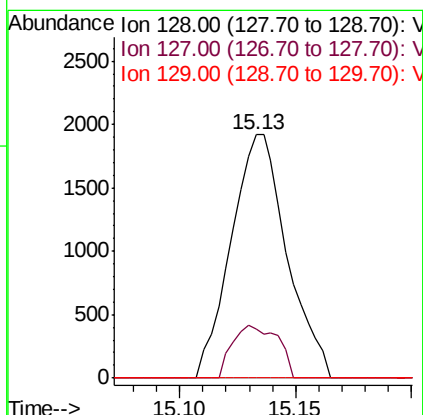
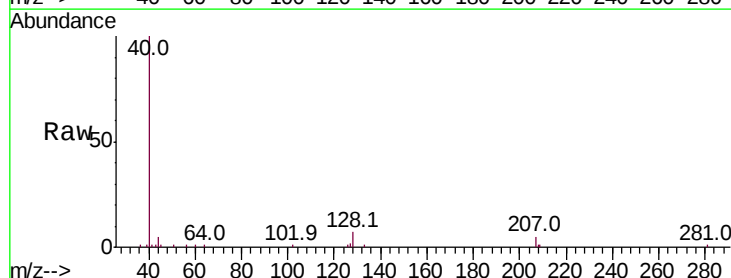
Instrument :
MSVOA_N
ClientSampled :
VN0321WBL01

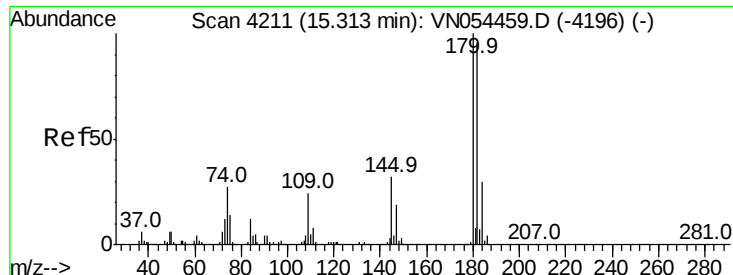
Tot Ion:225 Resp: 480
Ion Ratio Lower Upper
225 100
223 47.7 31.1 93.5
227 24.8 31.9 95.9#



#95
Naphthalene
Concen: 0.284 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054507.D
Acq: 21 Mar 2019 13:24

Tgt Ion:128 Resp: 3204
Ion Ratio Lower Upper
128 100
127 17.6 10.1 15.1#
129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.251 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054507.D

Acq: 21 Mar 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL01

Tot Ion:180 Resp: 1263

Ion Ratio Lower Upper

180 100

182 100.5 47.5 142.6

145 21.9 14.8 44.3

