

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054529.D
 Acq On : 22 Mar 2019 00:25
 Operator : JC/SP
 Sample : VN0321WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBL02

Quant Time: Mar 22 10:18:57 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	7.67	168	670749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1050554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	839613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	289346	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	420309	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
35) Dibromofluoromethane	7.59	113	326065	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	10.09	98	1221848	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	12.40	95	363455	41.98	ug/l	0.00
Spiked Amount			Recovery	=	83.96%	

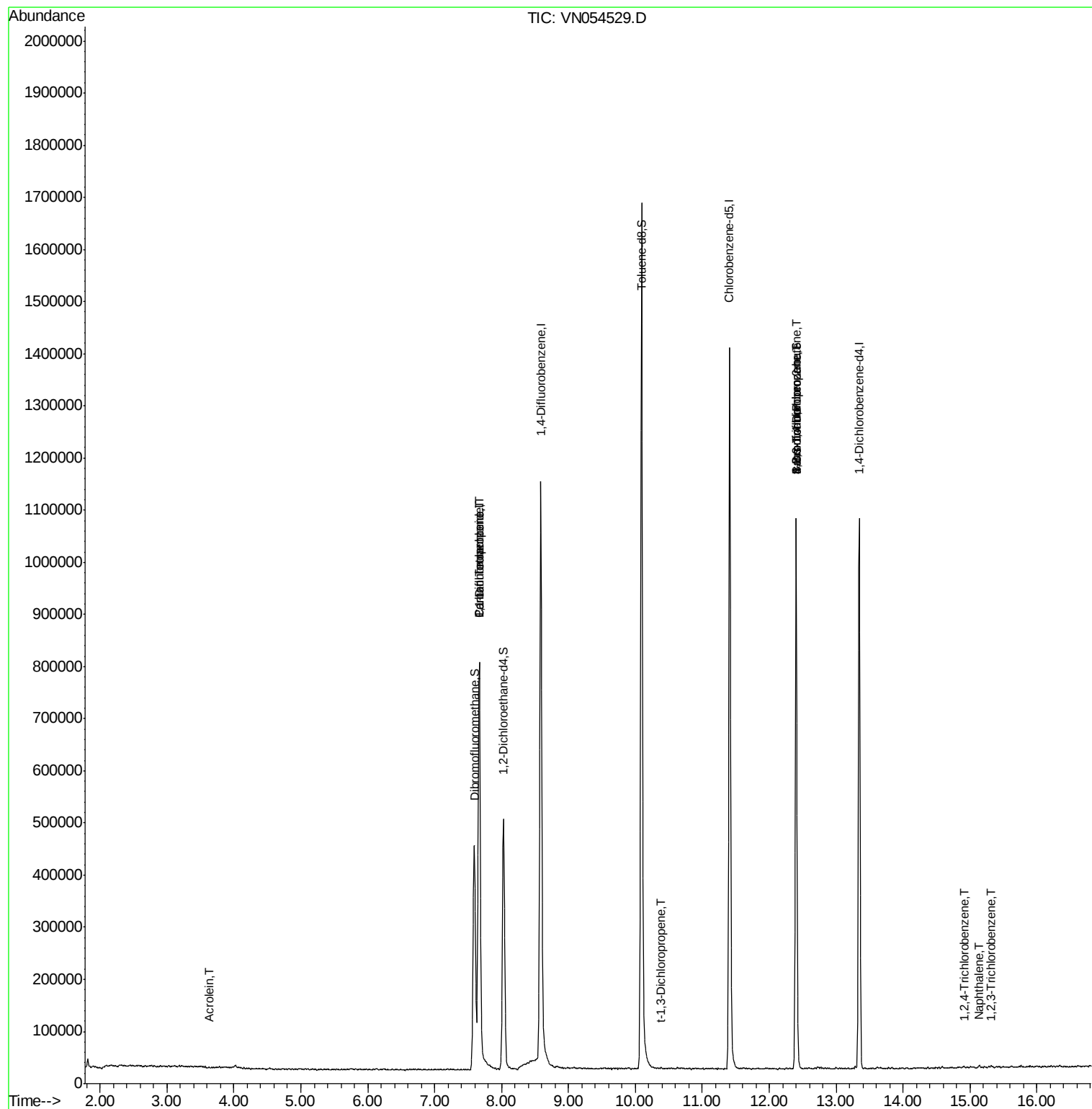
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	180	0.258	ug/l #	14
31) Cyclohexane	7.67	56	14171	Below Cal	#	12
36) 1,1-Dichloropropene	7.67	75	50174	5.108	ug/l #	48
38) Carbon Tetrachloride	7.67	117	62585	6.556	ug/l #	15
53) t-1,3-Dichloropropene	10.38	75	60	2.238	ug/l #	1
71) Bromoform	12.40	173	1114	2.472	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	184310	40.142	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	184310	132.776	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	1052	0.227	ug/l #	84
94) Hexachlorobutadiene	15.01	225	322	Below Cal	#	40
95) Naphthalene	15.14	128	3612	0.350	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.32	180	1268	0.275	ug/l #	89

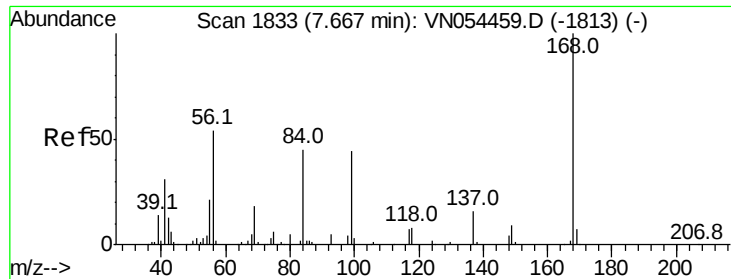
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032119\
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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: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054529.D

Acq: 22 Mar 2019 00:25

Instrument :

MSVOA_N

ClientSampleId :

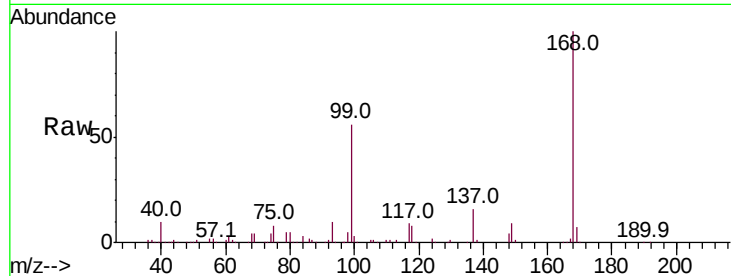
VN0321WBL02

Tot Ion:168 Resp: 670749

Ion Ratio Lower Upper

168 100

99 55.9 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

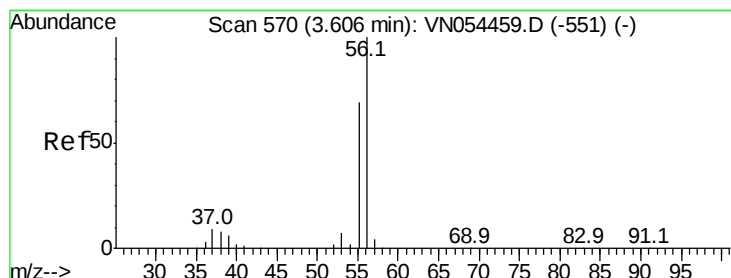
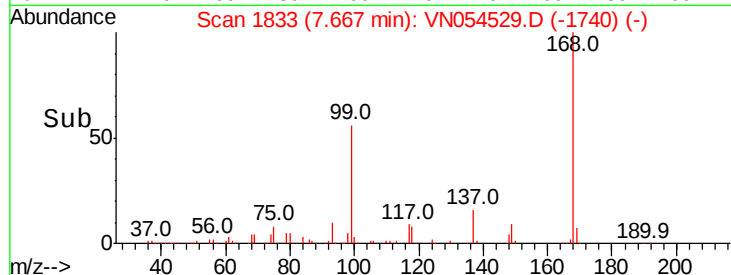
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.258 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN054529.D

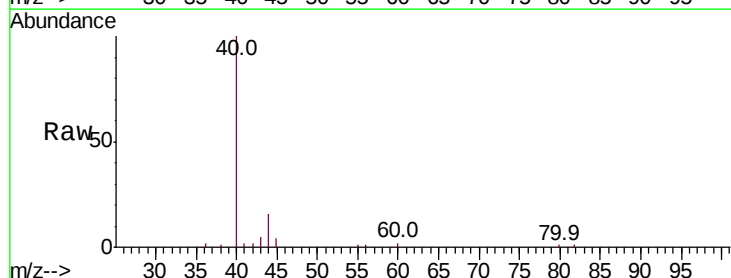
Acq: 22 Mar 2019 00:25

Tgt Ion: 56 Resp: 180

Ion Ratio Lower Upper

56 100

55 141.7 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.62

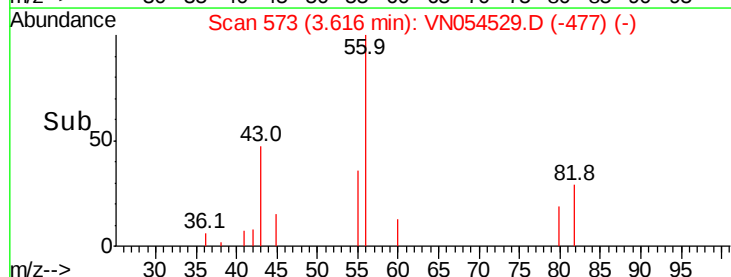
300

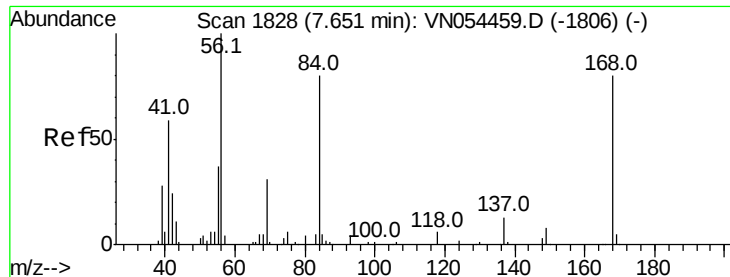
200

100

0

Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN054529.D

Acq: 22 Mar 2019 00:25

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL02

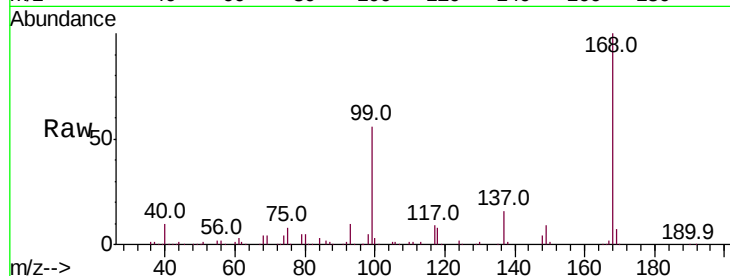
Tot Ion: 56 Resp: 14171

Ion Ratio Lower Upper

56 100

69 167.2 27.8 41.6#

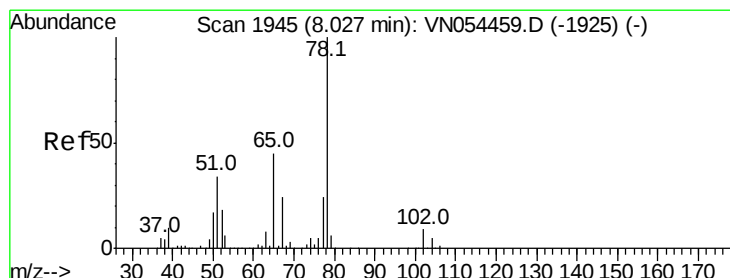
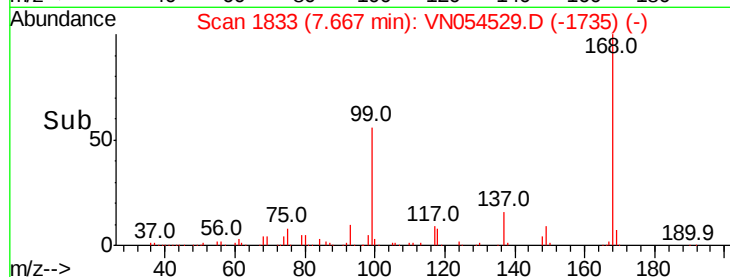
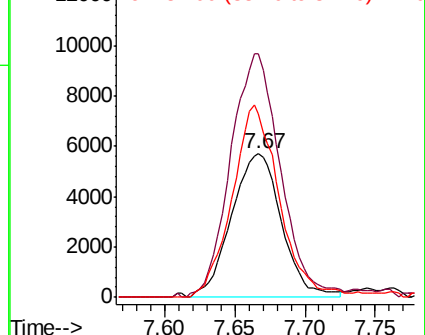
84 127.8 74.6 111.8#



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: 50.378 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054529.D

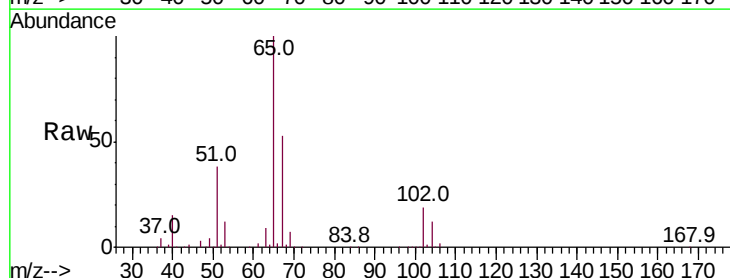
Acq: 22 Mar 2019 00:25

Tgt Ion: 65 Resp: 420309

Ion Ratio Lower Upper

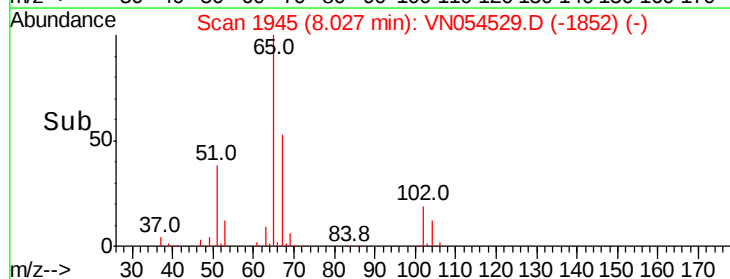
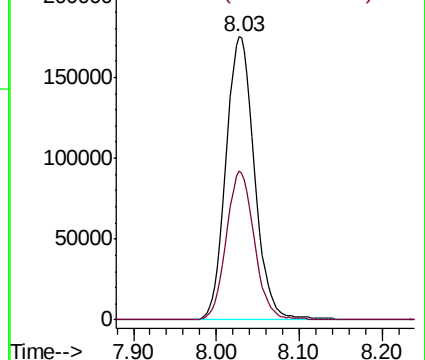
65 100

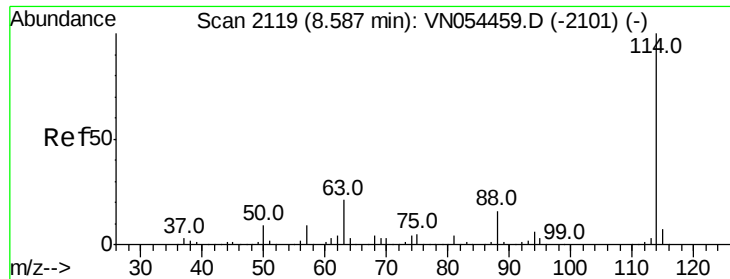
67 51.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

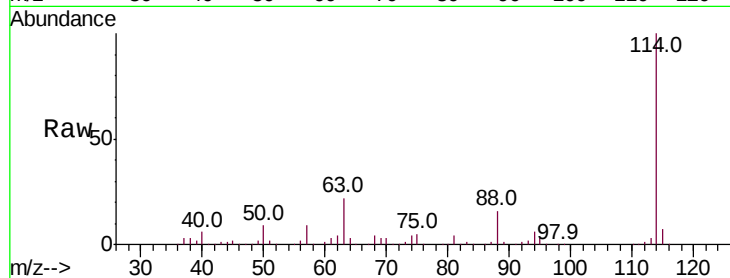




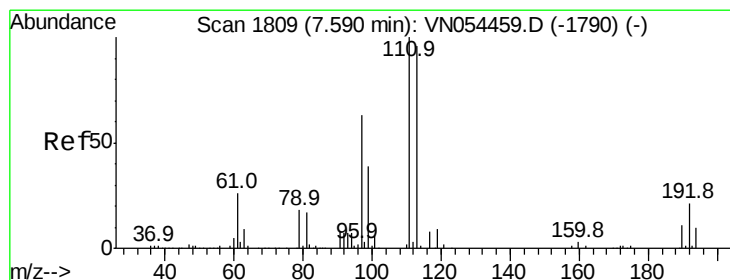
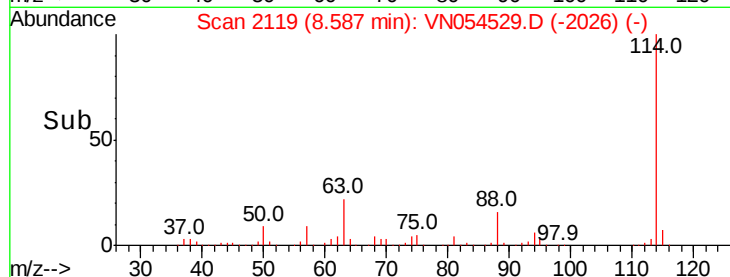
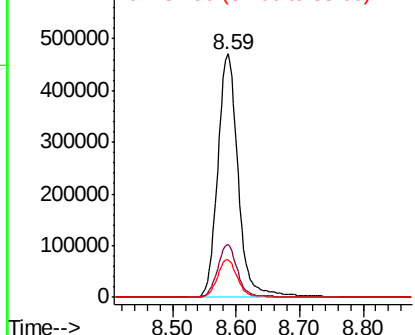
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054529.D
 Acq: 22 Mar 2019 00:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBL02

Tot Ion:114 Resp: 1050554
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 35.2
 88 15.6 0.0 30.2

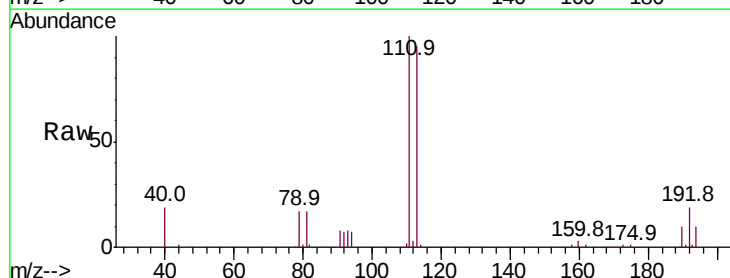


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

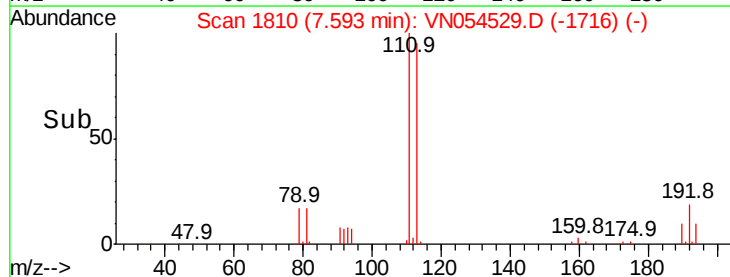
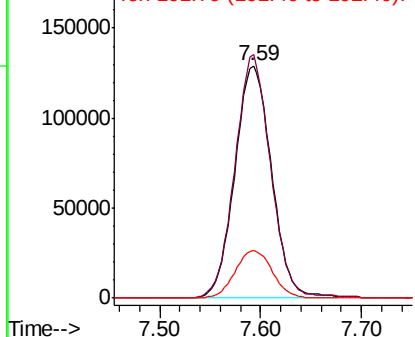


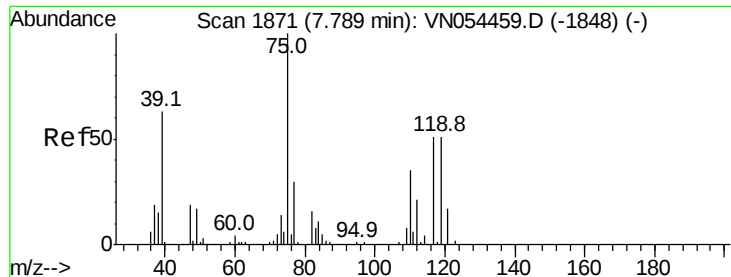
#35
 Dibromofluoromethane
 Concen: 48.176 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054529.D
 Acq: 22 Mar 2019 00:25

Tgt Ion:113 Resp: 326065
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.4
 192 20.8 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

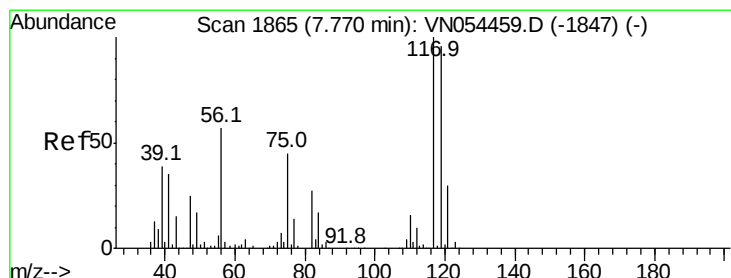
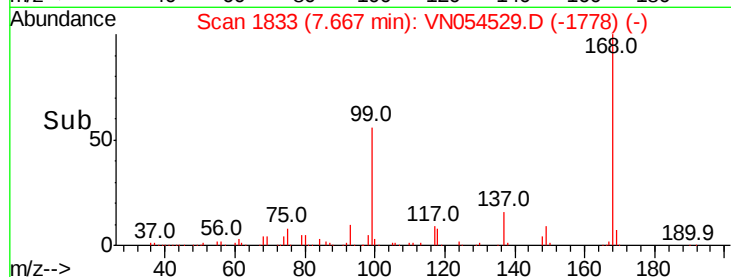
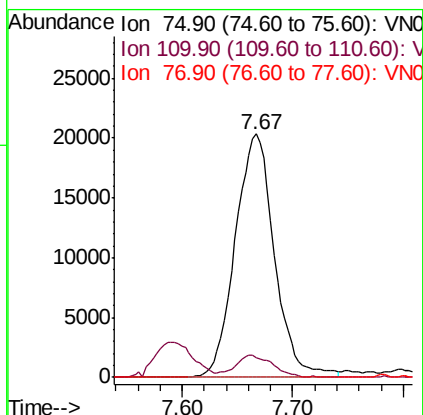
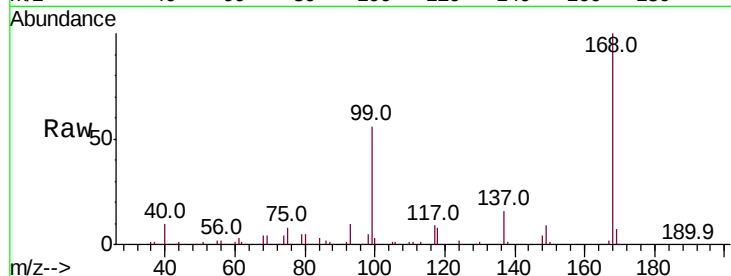




#36
 1,1-Dichloropropene
 Concen: 5.108 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054529.D
 Acq: 22 Mar 2019 00:25

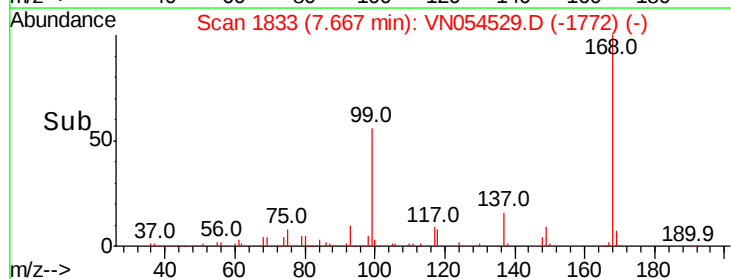
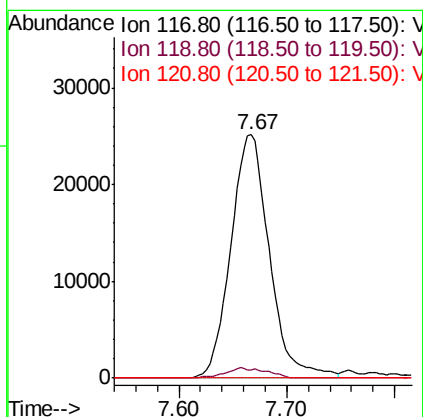
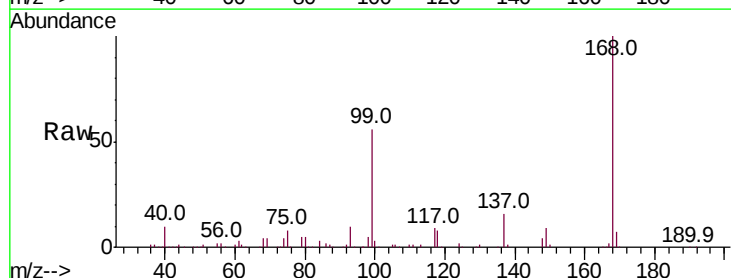
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBL02

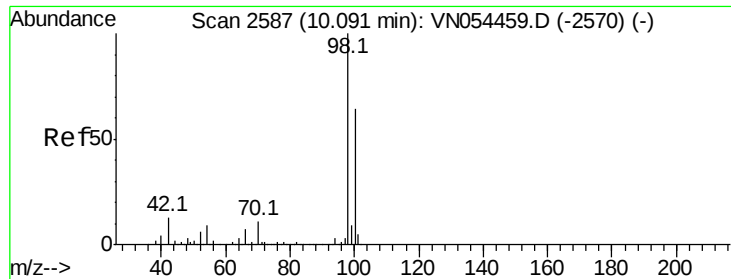
Tot Ion	75	Resp	50174
Ion Ratio	Lower	Upper	
75	100		
110	8.7	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.556 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN054529.D
 Acq: 22 Mar 2019 00:25

Tgt Ion	117	Resp	62585
Ion Ratio	Lower	Upper	
117	100		
119	3.6	76.3	114.5#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 48.021 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054529.D

Acq: 22 Mar 2019 00:25

Instrument :

MSVOA_N

ClientSampleId :

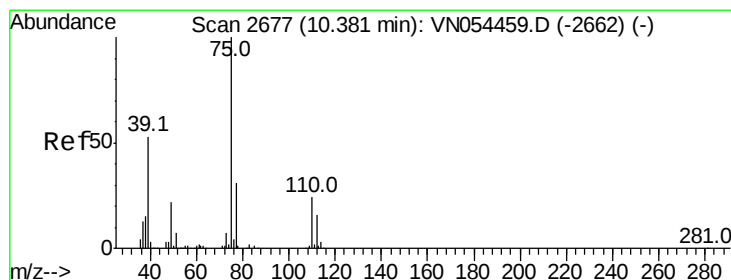
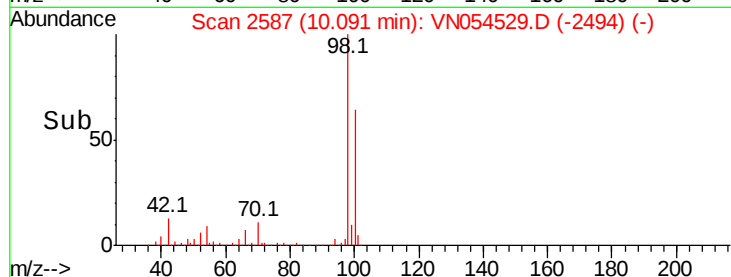
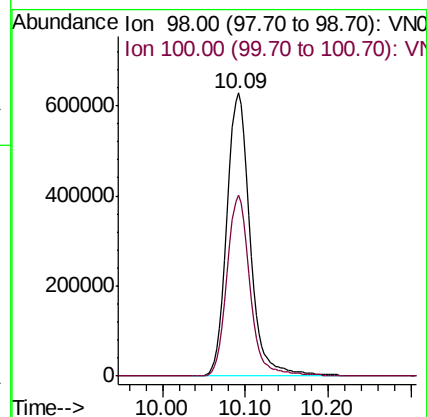
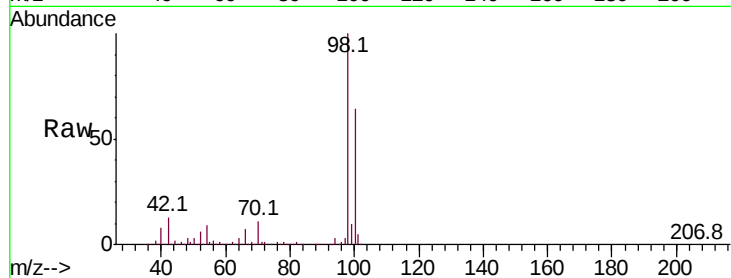
VN0321WBL02

Tot Ion: 98 Resp: 1221848

Ion Ratio Lower Upper

98 100

100 63.8 51.2 76.8



#53

t-1,3-Dichloropropene

Concen: 2.238 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN054529.D

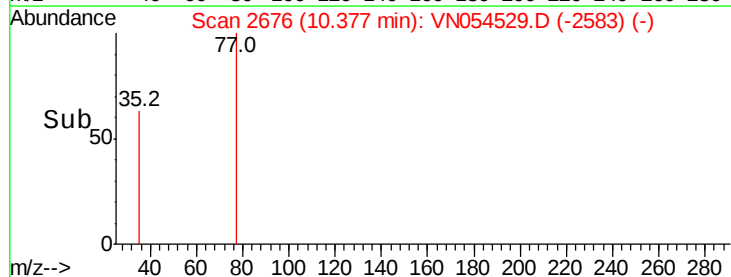
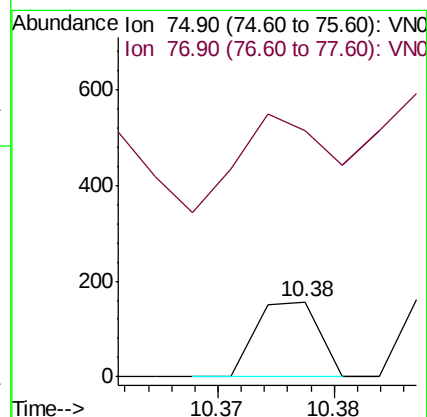
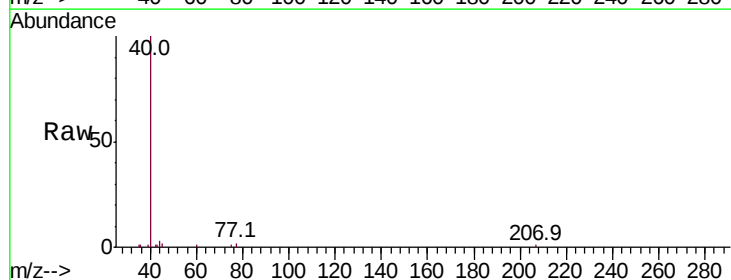
Acq: 22 Mar 2019 00:25

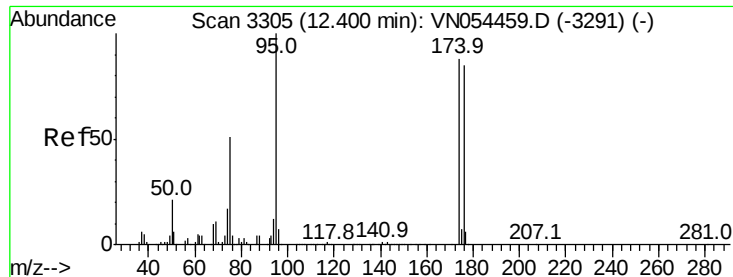
Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

77 108.9 25.8 38.8#





#62

4-Bromofluorobenzene

Concen: 41.978 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054529.D

Acq: 22 Mar 2019 00:25

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL02

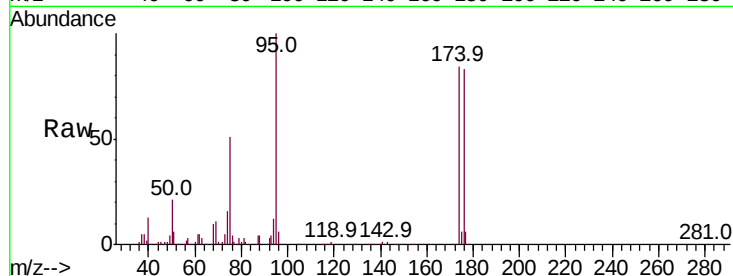
Tot Ion: 95 Resp: 363455

Ion Ratio Lower Upper

95 100

174 83.1 0.0 191.0

176 81.9 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)

12.40

250000

200000

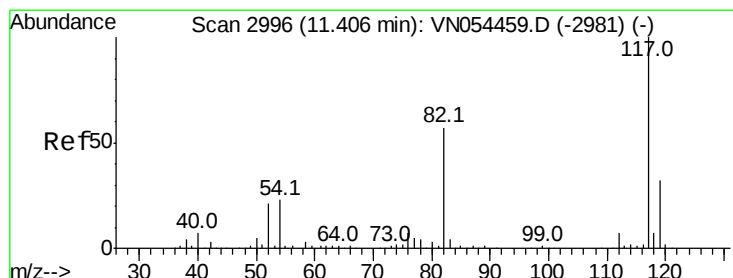
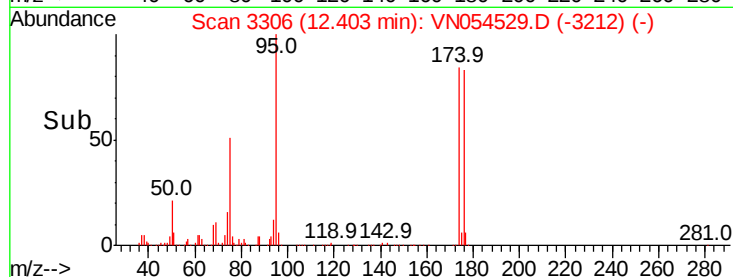
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054529.D

Acq: 22 Mar 2019 00:25

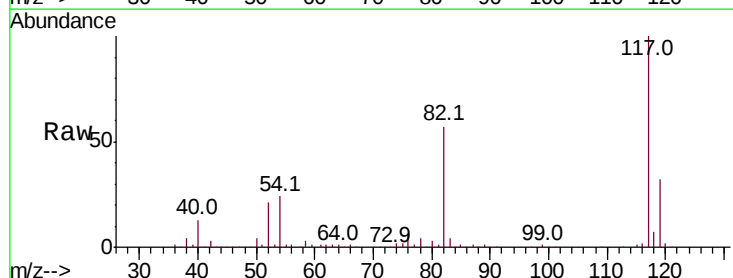
Tgt Ion: 117 Resp: 839613

Ion Ratio Lower Upper

117 100

82 57.3 40.0 60.0

119 31.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054459.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054459.D (-2981) (-)

11.41

600000

500000

400000

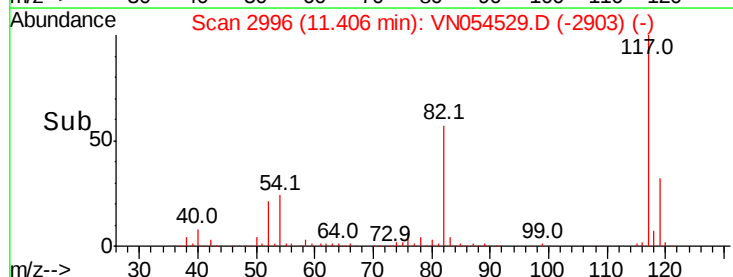
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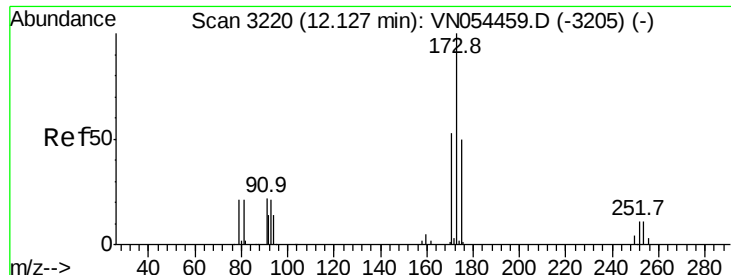
200000

100000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 2.472 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

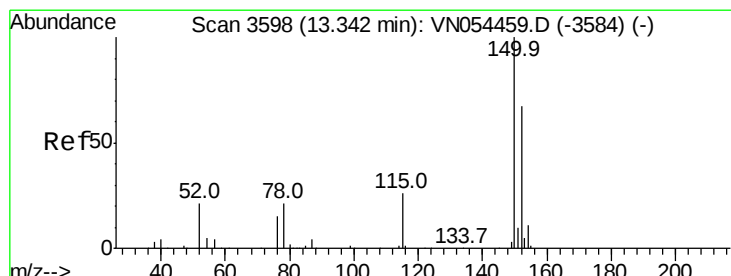
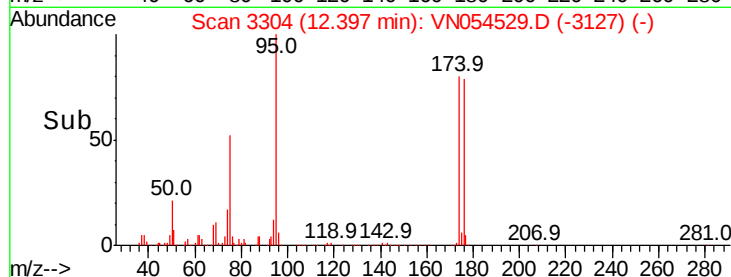
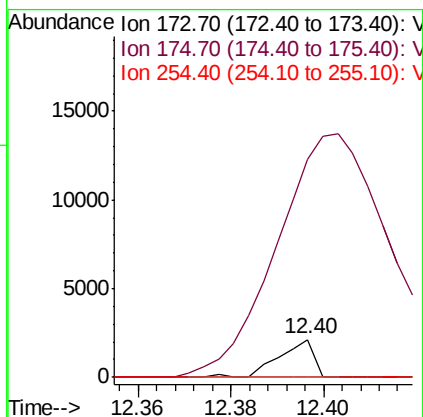
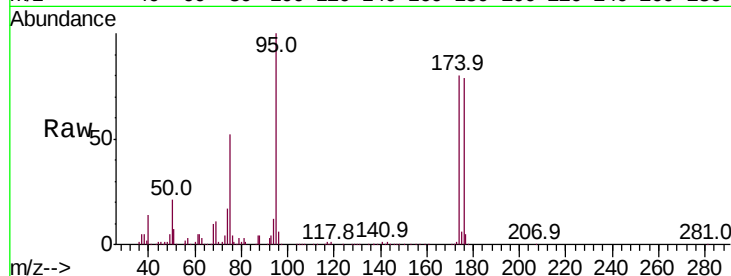
Lab File: VN054529.D

Acq: 22 Mar 2019 00:25

Instrument :
MSVOA_N
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VN0321WBL02

Tot Ion:173 Resp: 1114

Ion	Ratio	Lower	Upper
173	100		
175	1766.2	24.4	73.2#
254	0.0	0.1	0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

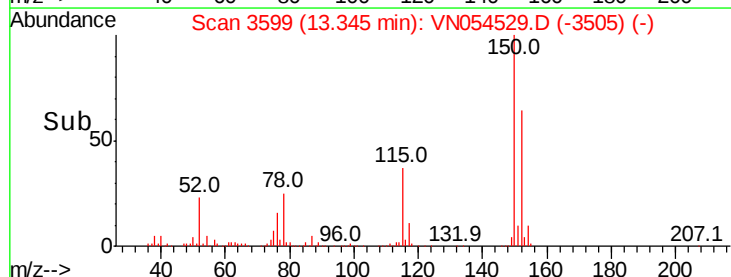
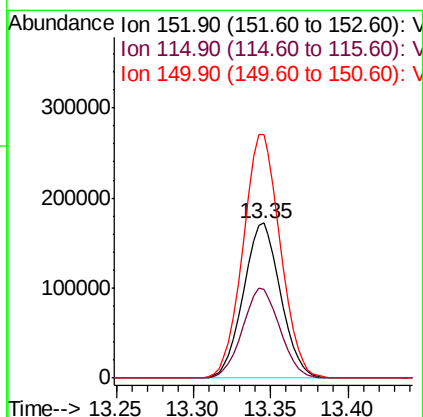
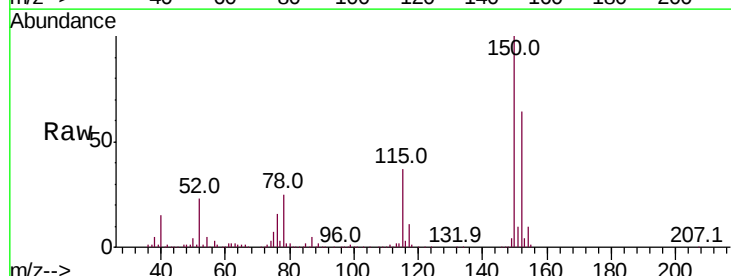
Delta R.T. 0.00 min

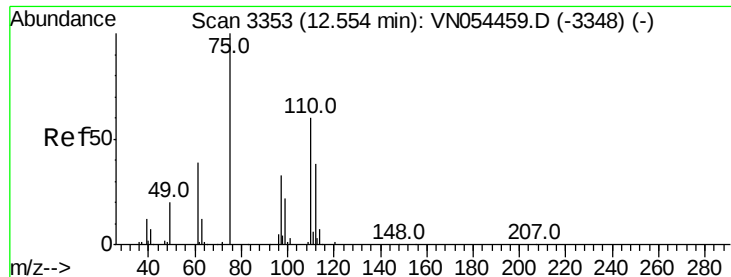
Lab File: VN054529.D

Acq: 22 Mar 2019 00:25

Tgt Ion:152 Resp: 289346

Ion	Ratio	Lower	Upper
152	100		
115	58.1	27.2	81.6
150	157.2	0.0	349.2





#76

1,2,3-Trichloropropane

Concen: 40.142 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054529.D

Acq: 22 Mar 2019 00:25

Instrument :

MSVOA_N

ClientSampleId :

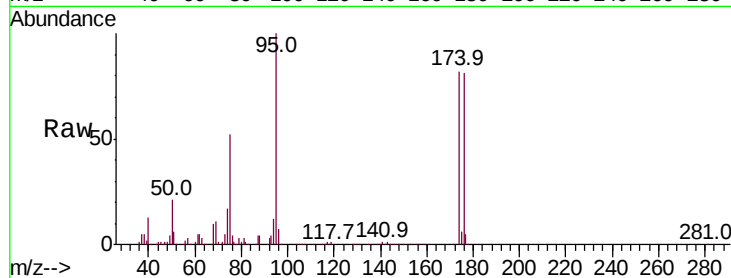
VN0321WBL02

Tot Ion: 75 Resp: 184310

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

120000

100000

80000

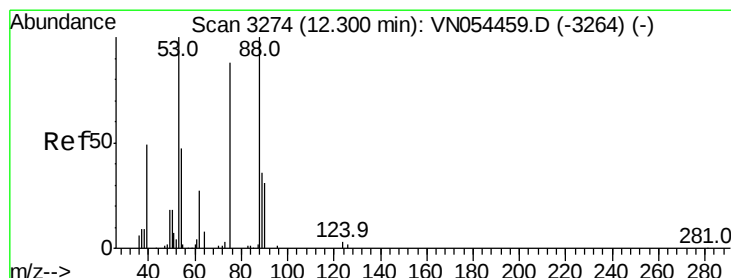
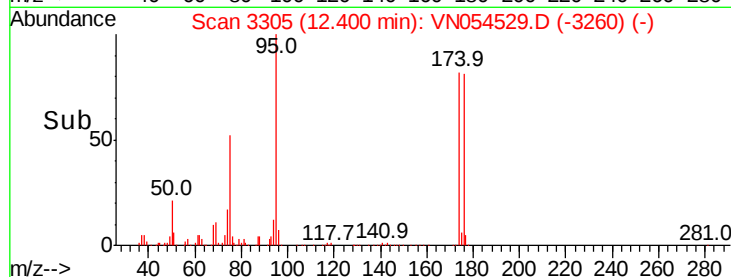
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 132.776 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054529.D

Acq: 22 Mar 2019 00:25

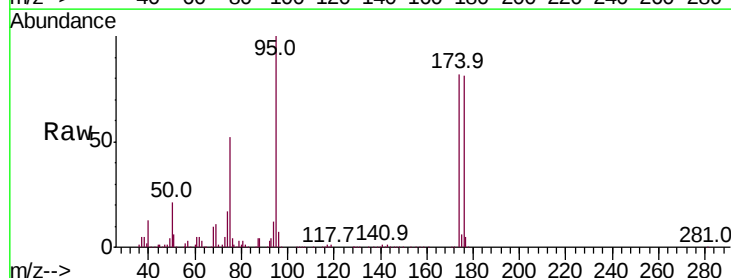
Tgt Ion: 75 Resp: 184310

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

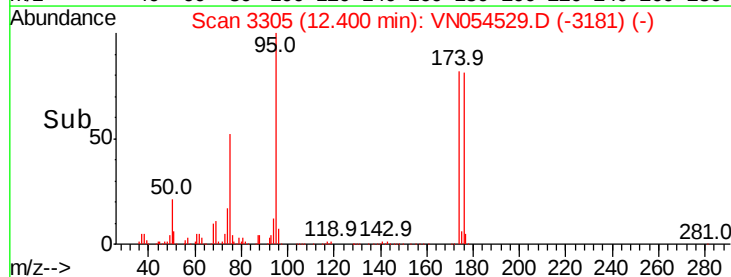
150000

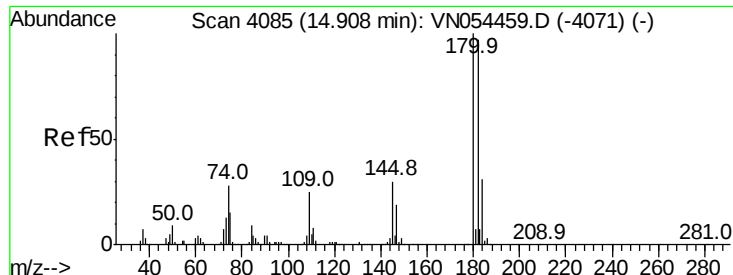
100000

50000

0

Time-->

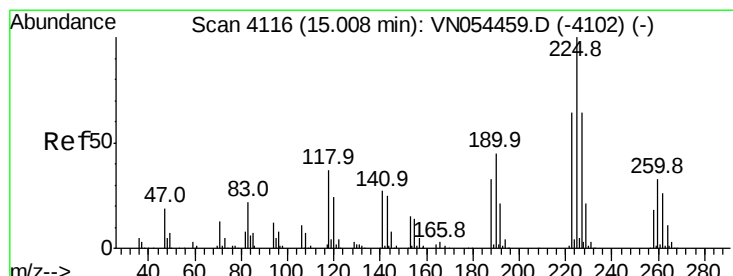
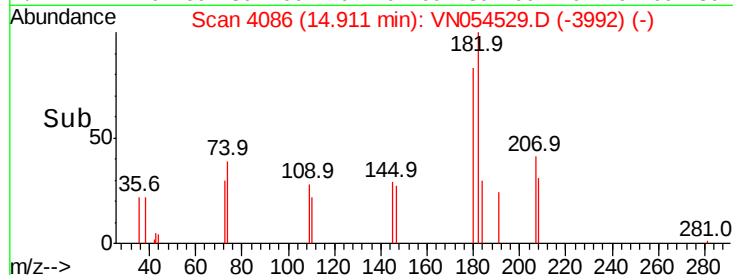
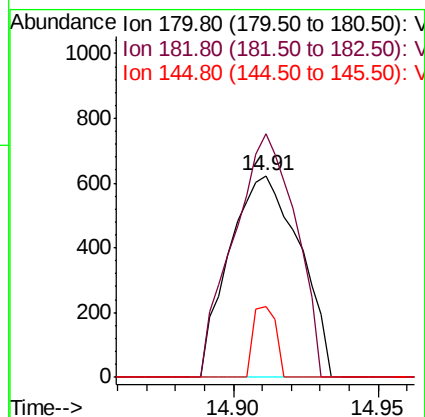
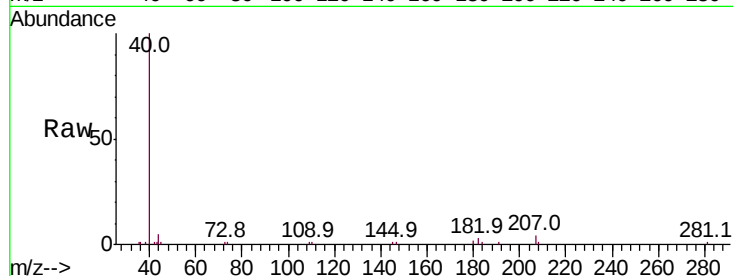




#93
1,2,4-Trichlorobenzene
Concen: 0.227 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN054529.D
Acq: 22 Mar 2019 00:25

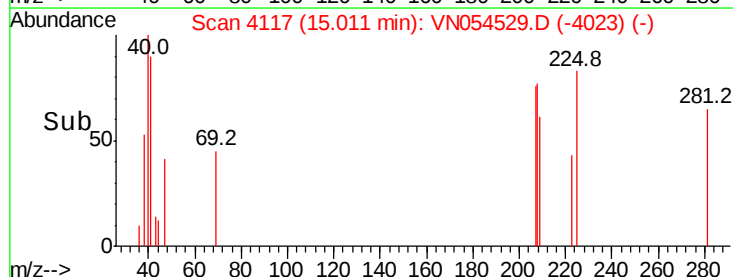
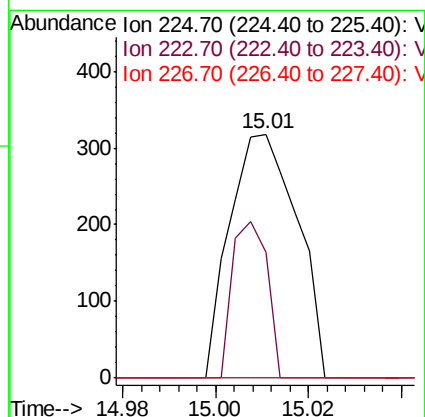
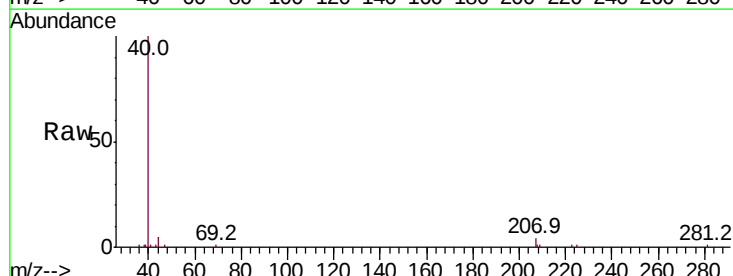
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL02

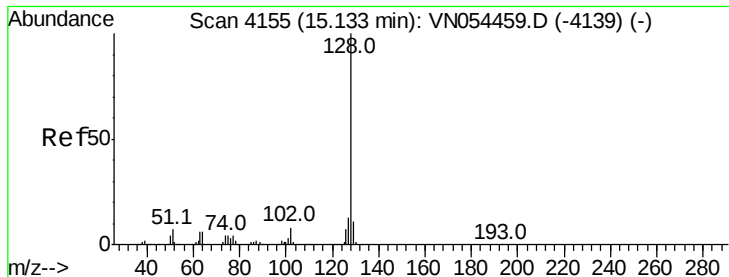
Tot Ion:180 Resp: 1052
Ion Ratio Lower Upper
180 100
182 106.3 48.0 144.2
145 11.1 14.2 42.8#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN054529.D
Acq: 22 Mar 2019 00:25

Tgt Ion:225 Resp: 322
Ion Ratio Lower Upper
225 100
223 32.9 31.1 93.5
227 0.0 31.9 95.9#





#95

Naphthalene

Concen: 0.350 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN054529.D

Acq: 22 Mar 2019 00:25

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL02

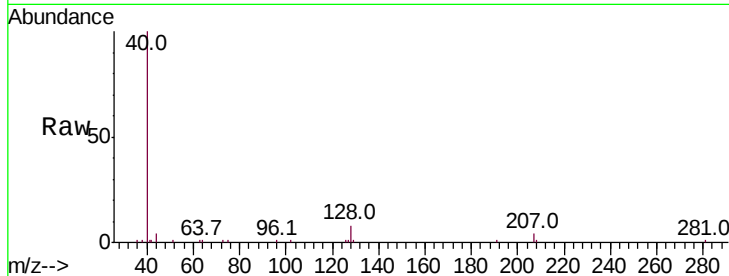
Tot Ion:128 Resp: 3612

Ion Ratio Lower Upper

128 100

127 7.3 10.1 15.1#

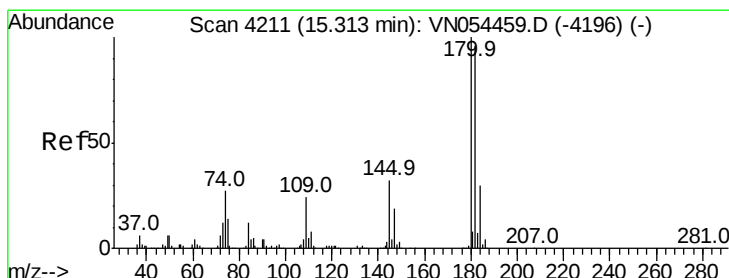
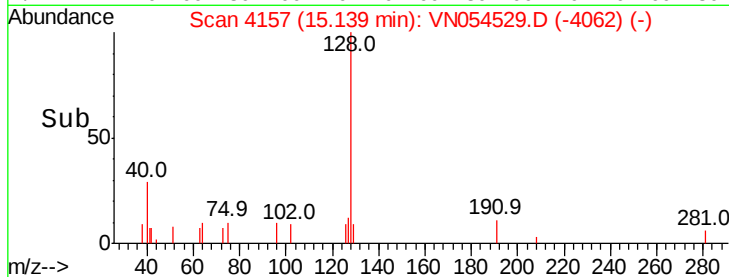
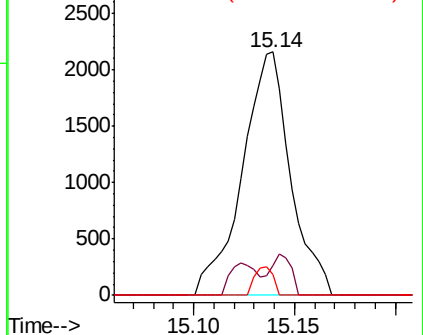
129 4.6 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.275 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054529.D

Acq: 22 Mar 2019 00:25

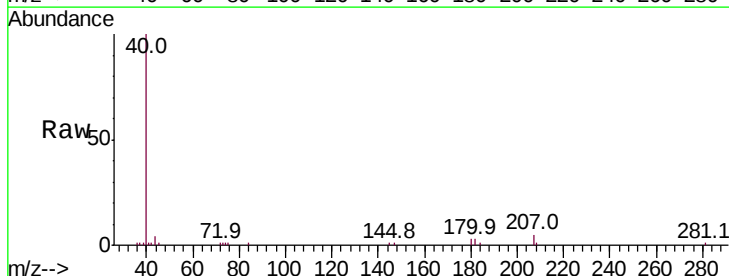
Tgt Ion:180 Resp: 1268

Ion Ratio Lower Upper

180 100

182 98.8 47.5 142.6

145 11.1 14.8 44.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

