

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054165.D
 Acq On : 12 Mar 2019 15:34
 Operator : JC/SP
 Sample : K1825-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

Quant Time: Mar 13 11:29:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1563031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2298929	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2015188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	989496	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	805059	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	7.59	113	718964	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	10.09	98	2716051	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.40	95	951650	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	802345	55.759	ug/l	100
6) Chloroethane	2.71	64	486638	48.903	ug/l	99
7) Trichlorofluoromethane	3.02	101	1999468	91.440	ug/l	98
16) Acetone	3.82	43	590364	124.214	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	3267978	81.193	ug/l	99
20) Methylene Chloride	4.55	84	1602229	102.667	ug/l	99
25) 2-Butanone	6.85	43	595088	106.679	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	1969630	113.477	ug/l	90
30) Chloroform	7.37	83	361123	12.962	ug/l	98
38) Carbon Tetrachloride	7.77	117	1043887	47.018	ug/l	99
40) Benzene	8.04	78	1099542	18.149	ug/l	99
42) 1,2-Dichloroethane	8.12	62	2412037	117.925	ug/l	100
44) Trichloroethene	8.83	130	533629	28.354	ug/l	97
46) Dibromomethane	9.21	93	252687	24.860	ug/l	99
47) Bromodichloromethane	9.40	83	423352	20.776	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1926573	170.496	ug/l	99
52) Toluene	10.16	92	1250145	32.544	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	327147	15.465	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1473864	62.070	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	1351342	96.343	ug/l	99
59) 2-Hexanone	10.75	43	692499	92.101	ug/l	99
60) Dibromochloromethane	10.90	129	298749	18.923	ug/l	100
61) 1,2-Dibromoethane	11.00	107	1206145	84.619	ug/l	99
64) Tetrachloroethene	10.63	164	352577	18.096	ug/l	99
65) Chlorobenzene	11.43	112	3275548	74.027	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	1340977	83.424	ug/l	99
67) Ethyl Benzene	11.51	91	3408328	46.467	ug/l	100
68) m/p-Xylenes	11.62	106	2086156	72.769	ug/l	100
69) o-Xylene	11.95	106	3218724	115.174	ug/l	100
70) Styrene	11.96	104	3559905	81.221	ug/l	95
71) Bromoform	12.13	173	327752	27.841	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	12.50	83	1433653	84.999	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	271847	18.682	ug/l	# 100
87) 1,3-Dichlorobenzene	13.28	146	2895259	82.021	ug/l	100

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QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

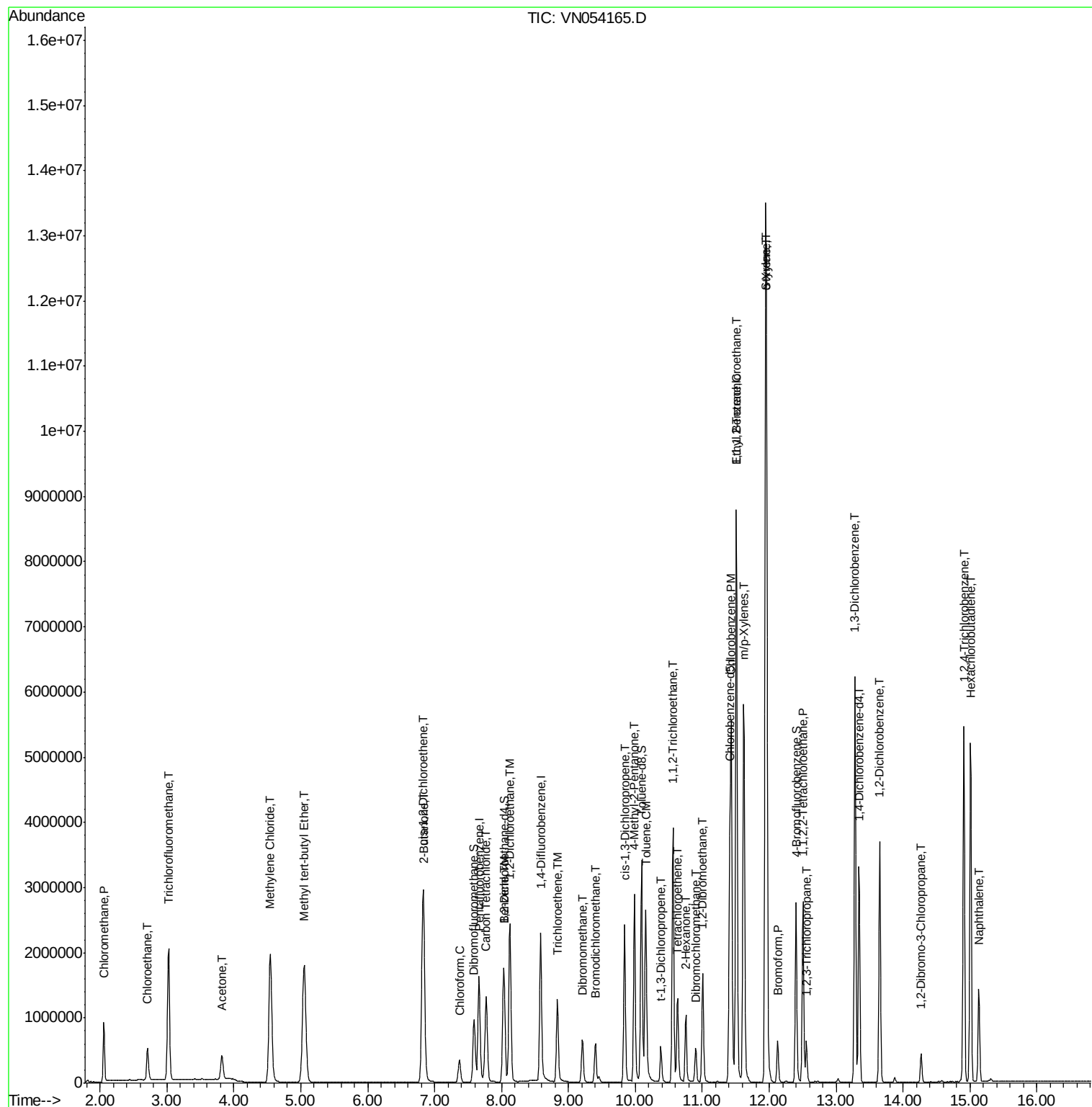
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.65	146	1730016	50.134	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	105293	40.342	ug/l	100
93) 1,2,4-Trichlorobenzene	14.91	180	1894613	88.881	ug/l	99
94) Hexachlorobutadiene	15.01	225	1142278	86.905	ug/l	100
95) Naphthalene	15.13	128	1307202	31.500	ug/l	99

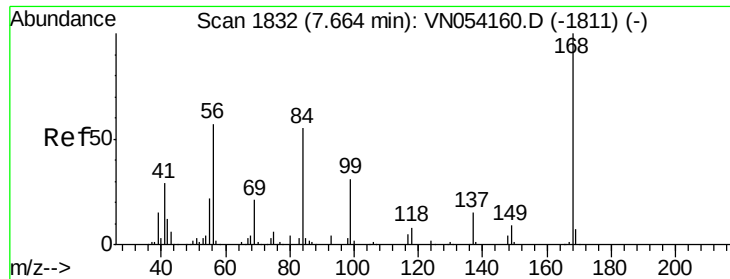
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
Data File : VN054165.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

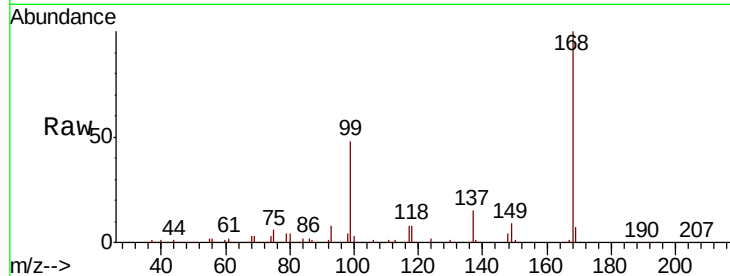
PT-VOA-WP

Tgt Ion:168 Resp: 1563031

Ion Ratio Lower Upper

168 100

99 47.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

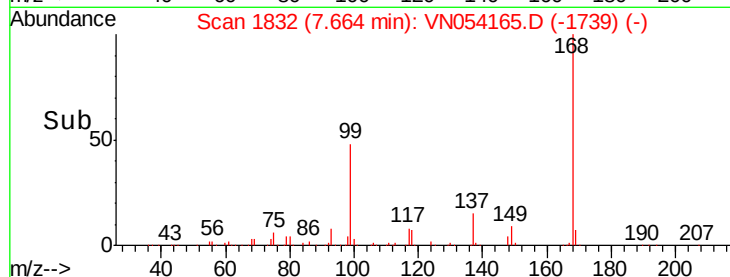
600000

400000

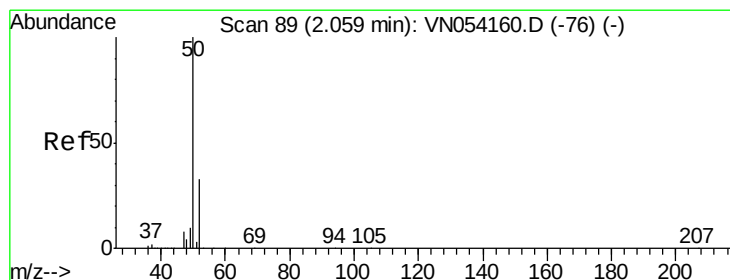
200000

0

7.50 7.60 7.70 7.80



Time-->



#3

Chloromethane

Concen: 55.759 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054165.D

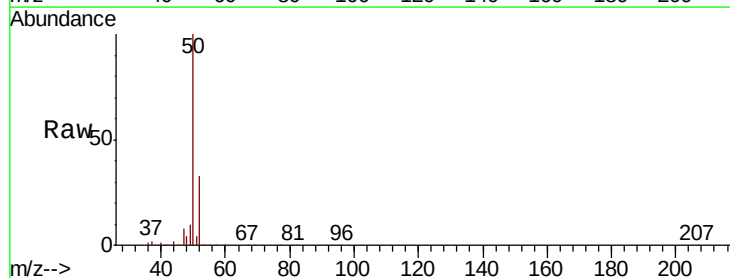
Acq: 12 Mar 2019 15:34

Tgt Ion: 50 Resp: 802345

Ion Ratio Lower Upper

50 100

52 33.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

600000

500000

400000

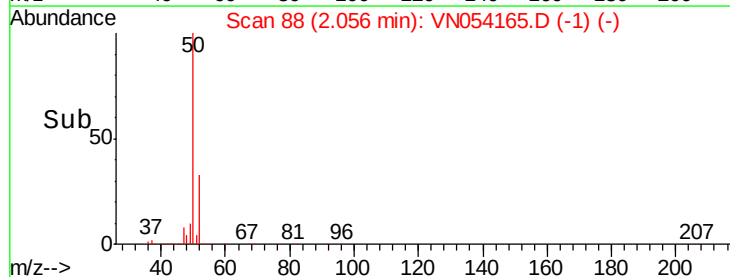
300000

200000

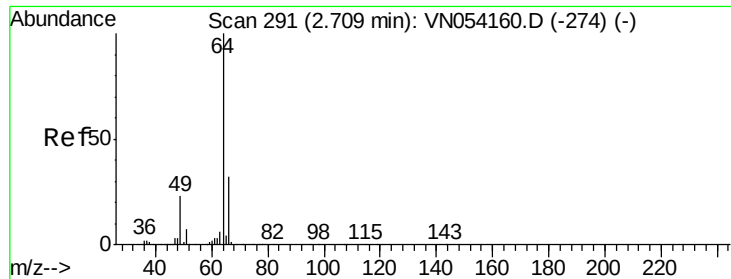
100000

0

2.00 2.05 2.10 2.15



Time-->



#6

Chloroethane

Concen: 48.903 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

Instrument :

MSVOA_N

ClientSampled :

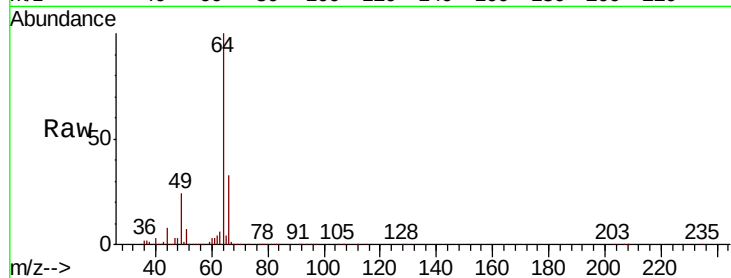
PT-VOA-WP

Tgt Ion: 64 Resp: 486638

Ion Ratio Lower Upper

64 100

66 32.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN054165.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN054165.D (-198) (-)

2.71

250000

200000

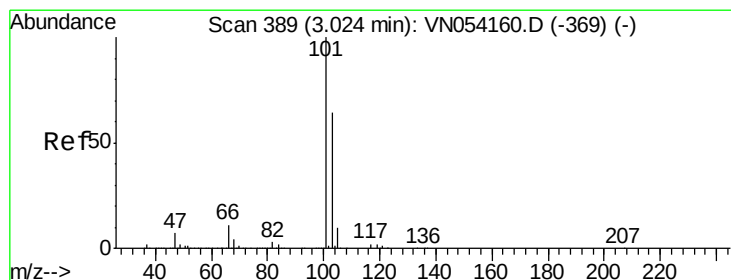
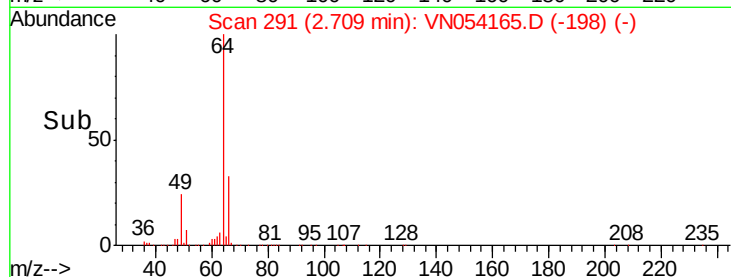
150000

100000

50000

0

Time-->



#7

Trichlorofluoromethane

Concen: 91.440 ug/l

RT: 3.02 min Scan# 389

Delta R.T. 0.00 min

Lab File: VN054165.D

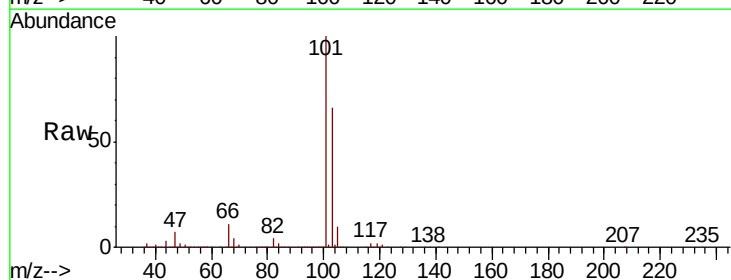
Acq: 12 Mar 2019 15:34

Tgt Ion: 101 Resp: 1999468

Ion Ratio Lower Upper

101 100

103 65.9 51.4 77.2



Abundance Ion 100.90 (100.60 to 101.60): VN054165.D (-296) (-)

Ion 102.80 (102.50 to 103.50): VN054165.D (-296) (-)

3.02

1000000

800000

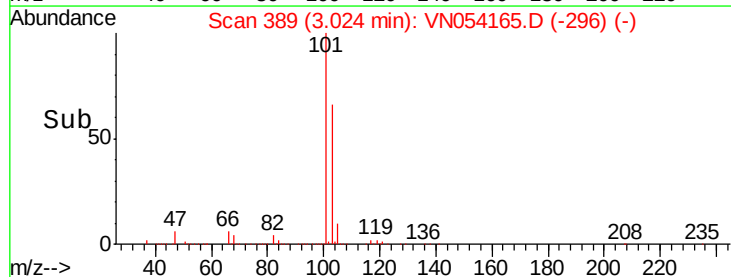
600000

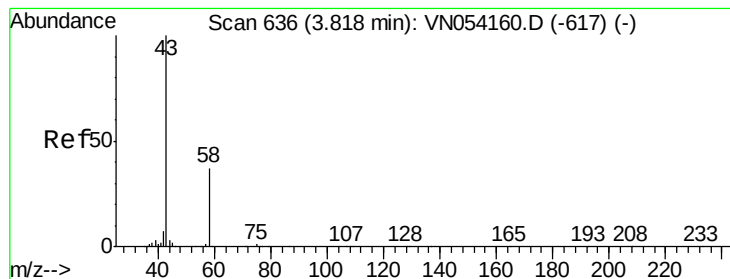
400000

200000

0

Time-->





#16

Acetone

Concen: 124.214 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

Instrument :

MSVOA_N

ClientSampled :

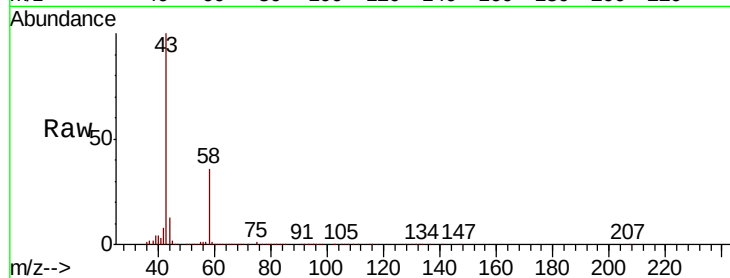
PT-VOA-WP

Tgt Ion: 43 Resp: 590364

Ion Ratio Lower Upper

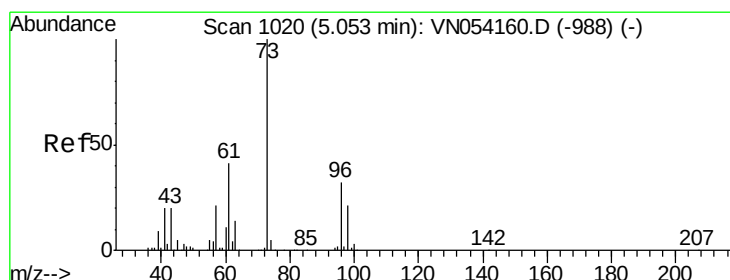
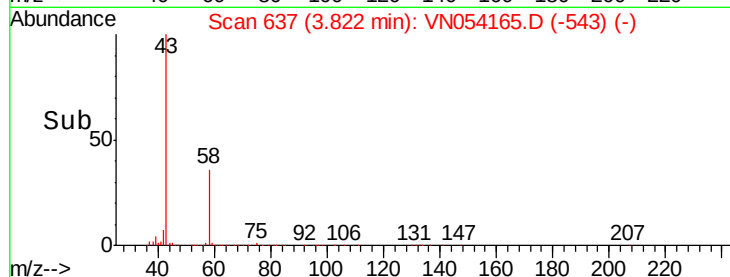
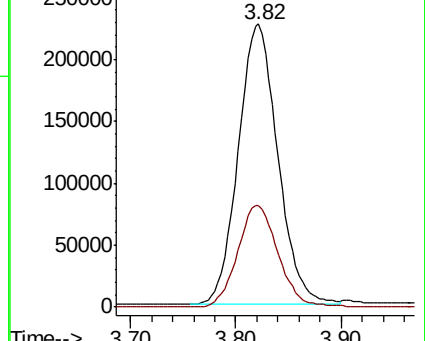
43 100

58 36.0 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-617) (-)



#19

Methyl tert-butyl Ether

Concen: 81.193 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN054165.D

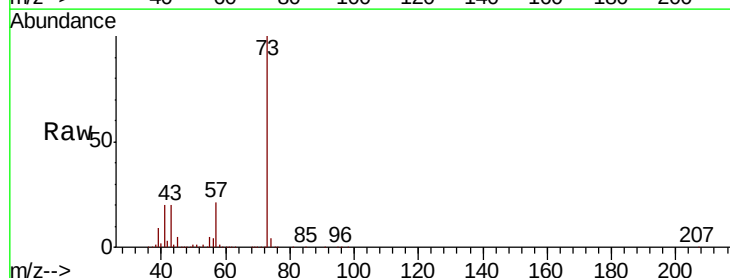
Acq: 12 Mar 2019 15:34

Tgt Ion: 73 Resp: 3267978

Ion Ratio Lower Upper

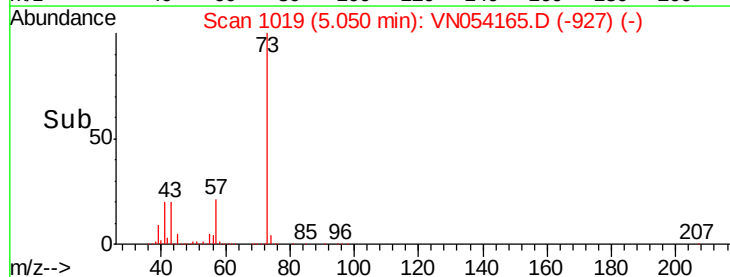
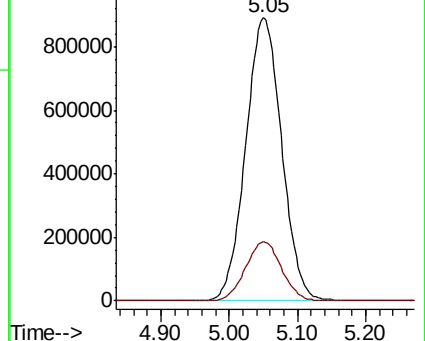
73 100

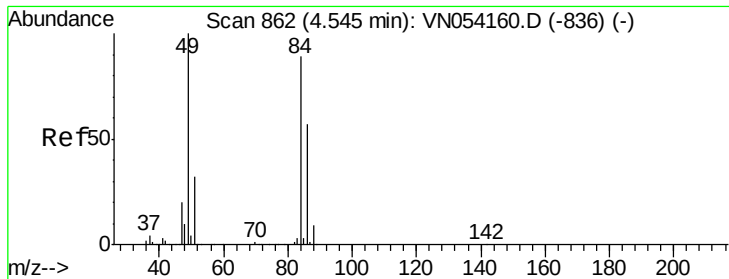
57 20.8 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VN054160.D (-988) (-)

Ion 57.00 (56.70 to 57.70): VN054160.D (-988) (-)

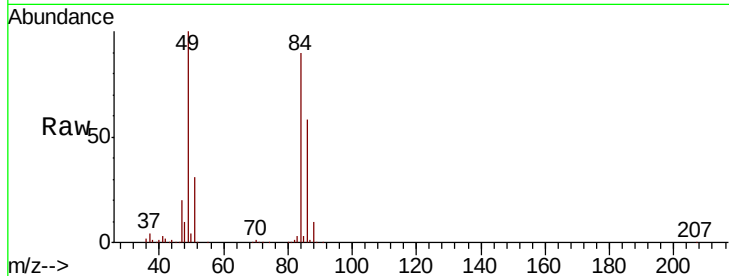




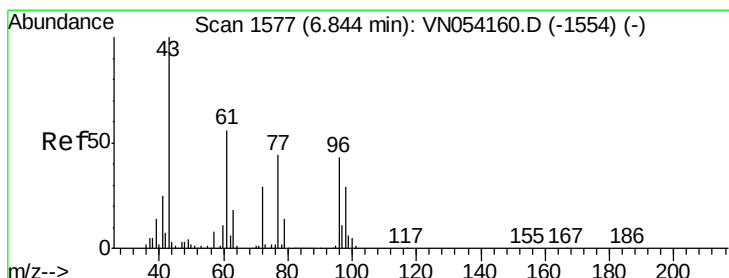
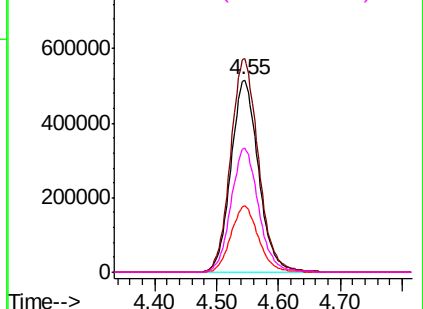
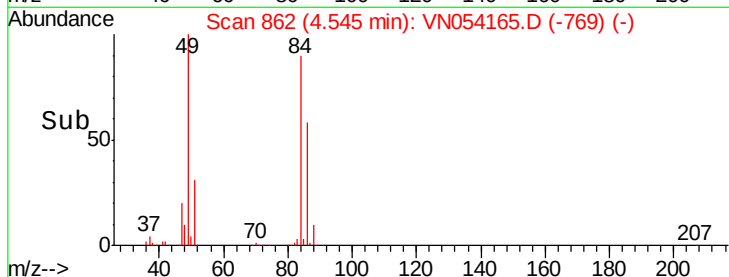
#20
Methylene Chloride
Concen: 102.667 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054165.D
Acq: 12 Mar 2019 15:34

Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WP

Tgt Ion: 84 Resp: 1602229
Ion Ratio Lower Upper
84 100
49 111.0 89.7 134.5
51 34.4 28.2 42.4
86 64.5 50.8 76.2

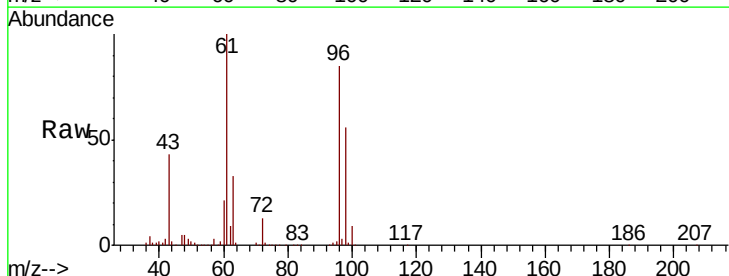


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

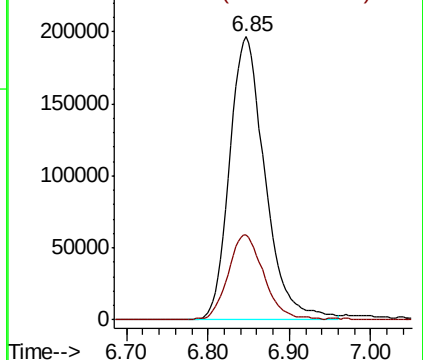
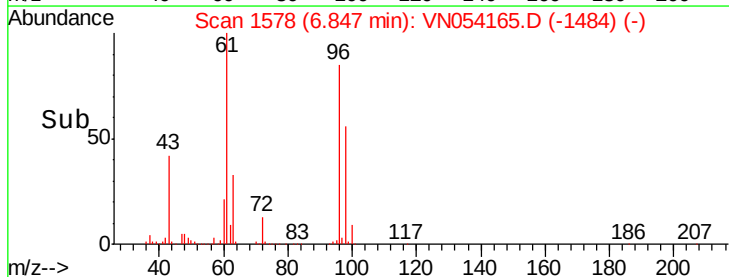


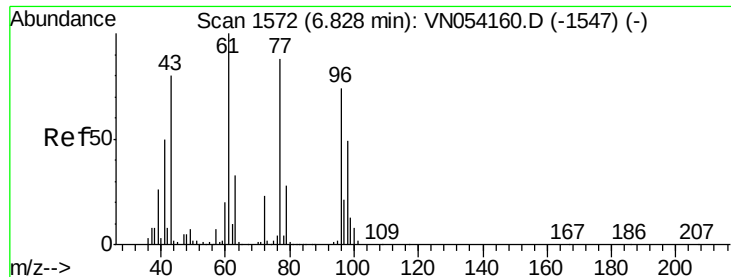
#25
2-Butanone
Concen: 106.679 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054165.D
Acq: 12 Mar 2019 15:34

Tgt Ion: 43 Resp: 595088
Ion Ratio Lower Upper
43 100
72 30.2 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#27

cis-1,2-Dichloroethene

Concen: 113.477 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

Instrument :

MSVOA_N

ClientSampled :

PT-VOA-WP

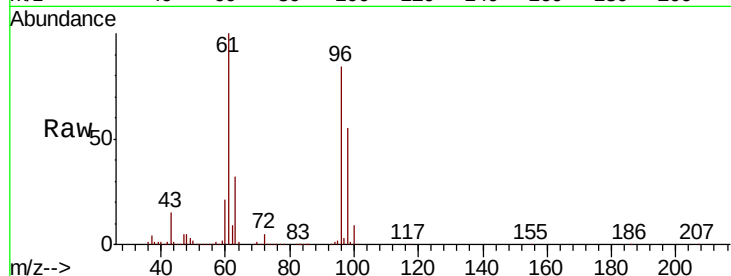
Tgt Ion: 96 Resp: 1969630

Ion Ratio Lower Upper

96 100

61 118.8 0.0 273.0

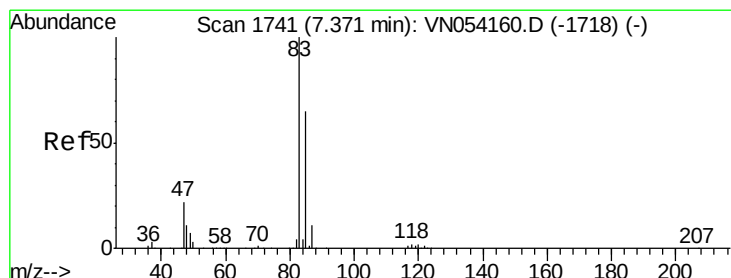
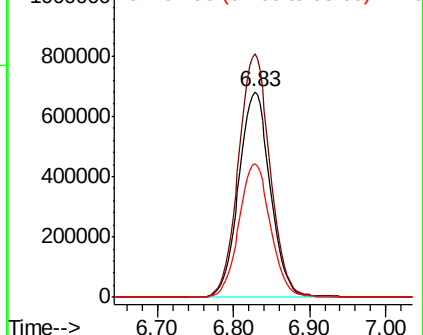
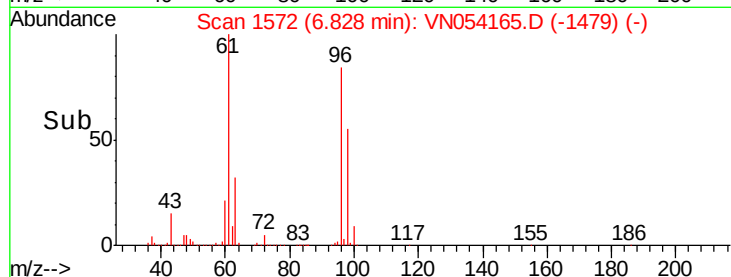
98 65.2 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#30

Chloroform

Concen: 12.962 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN054165.D

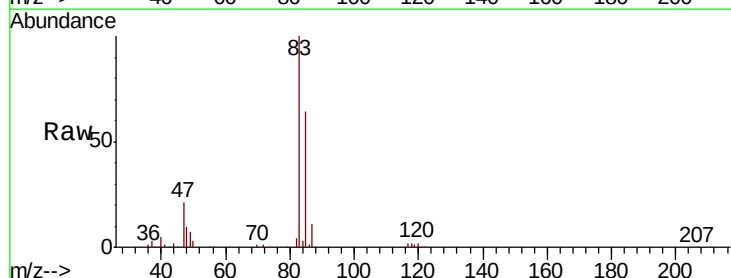
Acq: 12 Mar 2019 15:34

Tgt Ion: 83 Resp: 361123

Ion Ratio Lower Upper

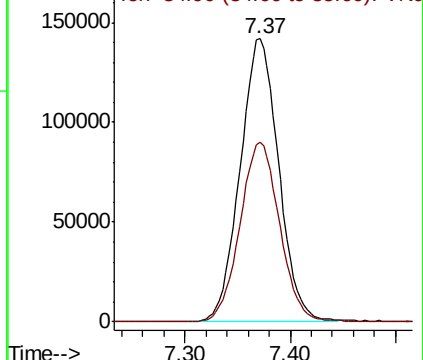
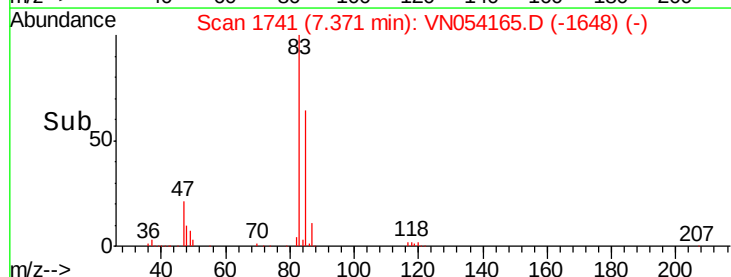
83 100

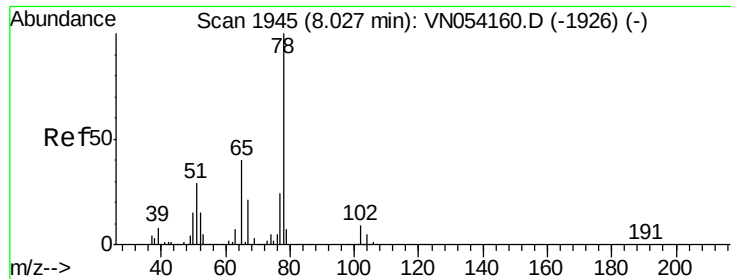
85 63.6 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

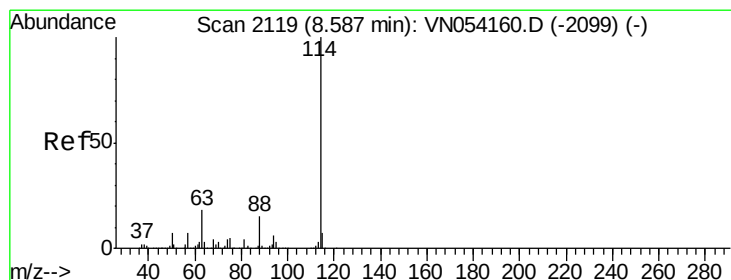
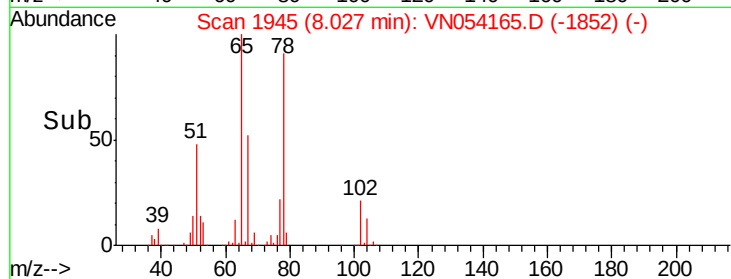
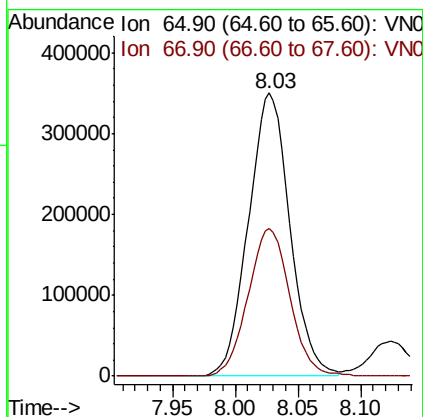
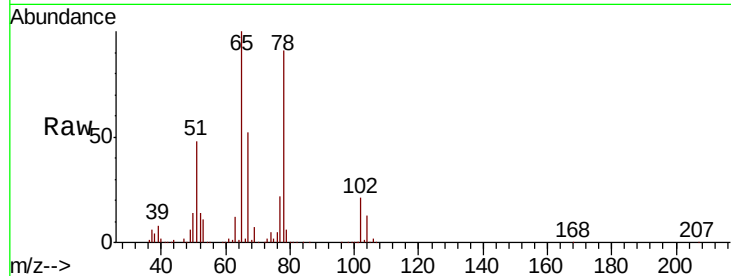




#33
 1,2-Dichloroethane-d4
 Concen: 48.499 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054165.D
 Acq: 12 Mar 2019 15:34

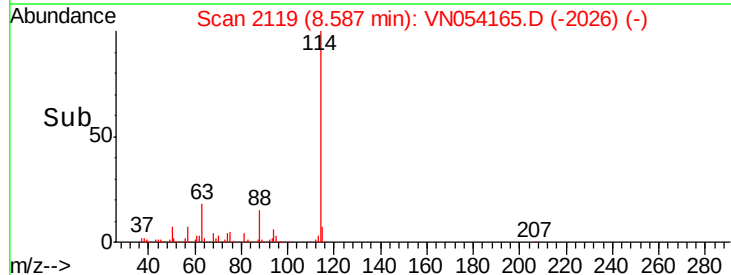
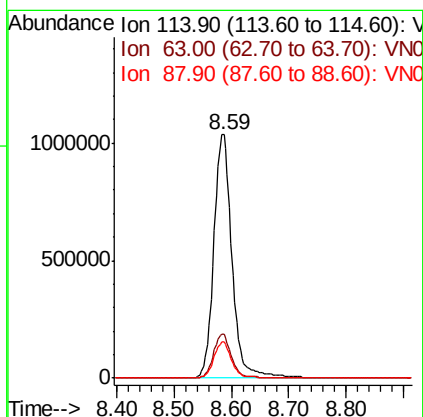
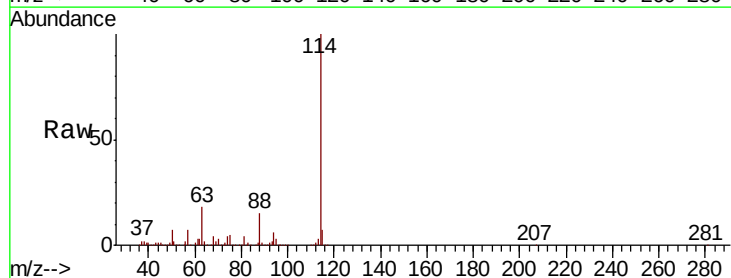
Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

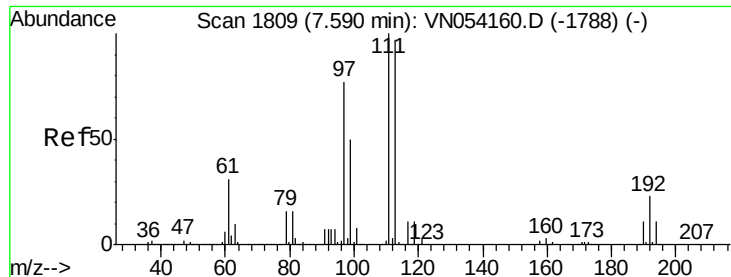
Tgt Ion: 65 Resp: 805059
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054165.D
 Acq: 12 Mar 2019 15:34

Tgt Ion: 114 Resp: 2298929
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.2
 88 14.8 0.0 30.2

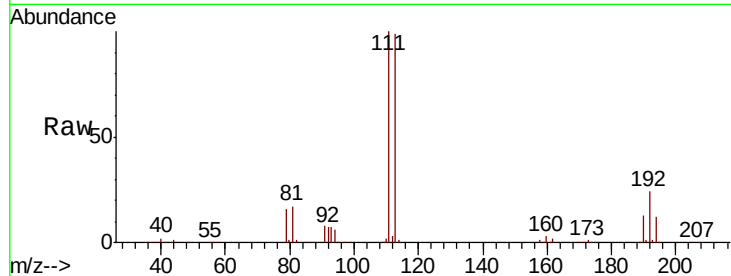




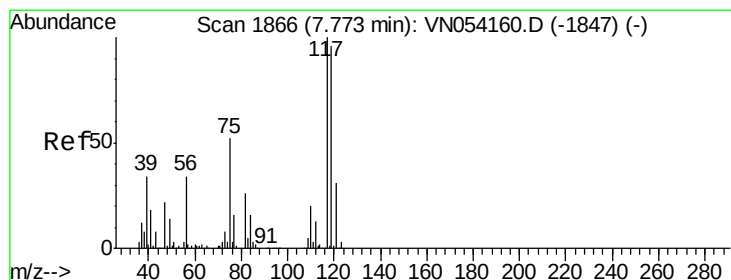
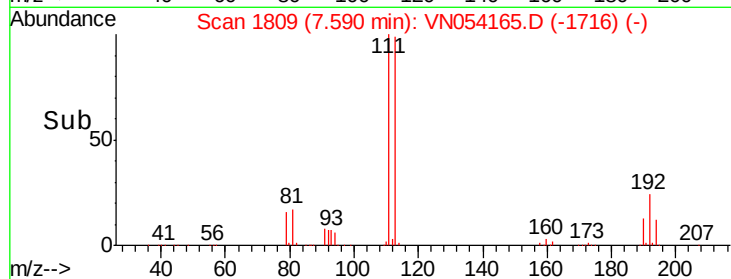
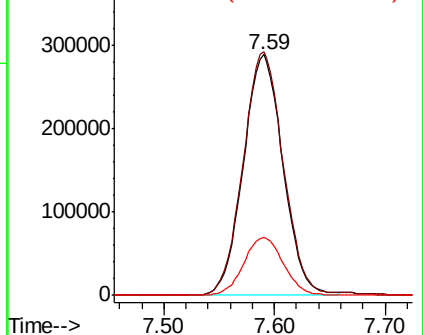
#35
 Dibromofluoromethane
 Concen: 48.490 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054165.D
 Acq: 12 Mar 2019 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	24.2	19.2	28.8

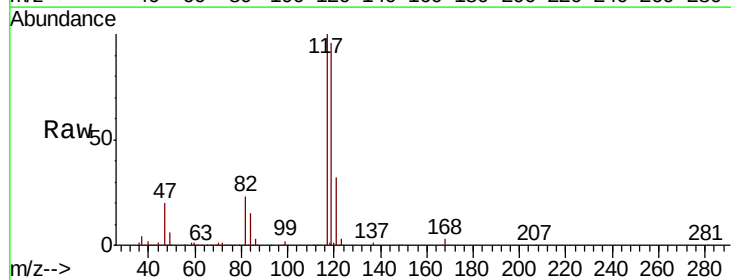


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

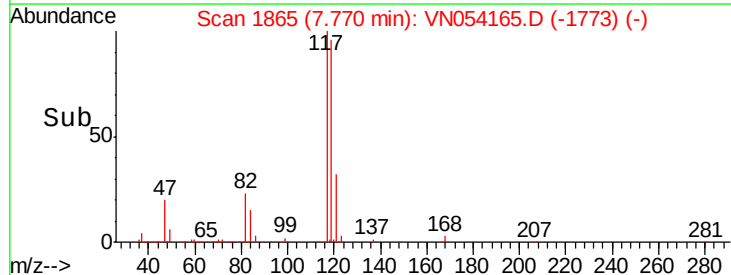
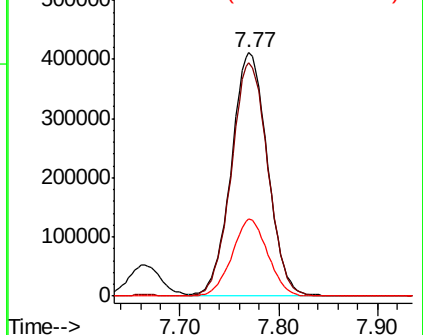


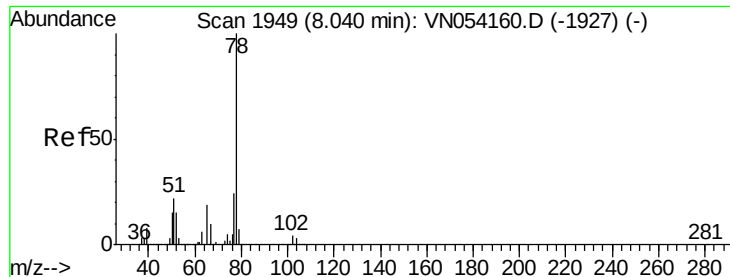
#38
 Carbon Tetrachloride
 Concen: 47.018 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN054165.D
 Acq: 12 Mar 2019 15:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.3	114.5
121	31.7	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 18.149 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

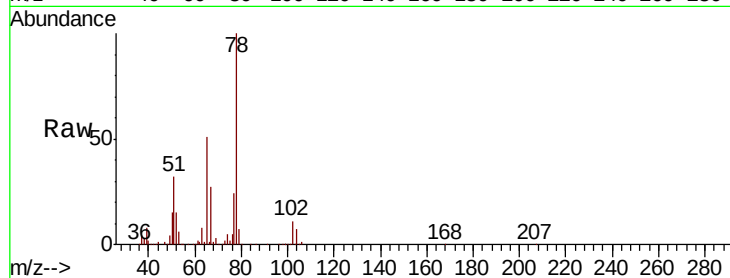
PT-VOA-WP

Tgt Ion: 78 Resp: 1099542

Ion Ratio Lower Upper

78 100

77 23.6 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

500000

400000

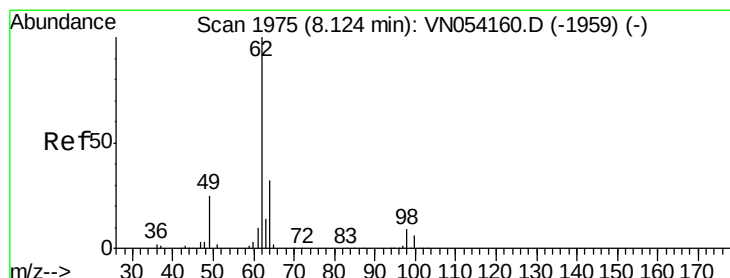
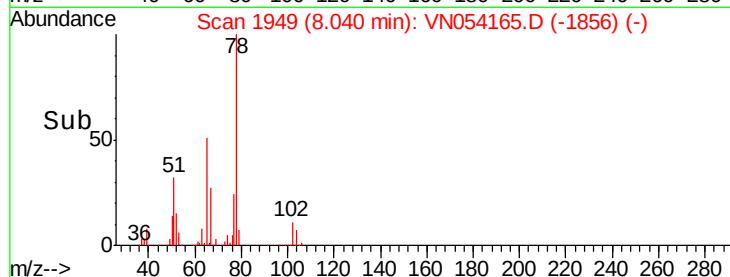
300000

200000

100000

0

Time--> 7.90 8.00 8.10 8.20



#42

1,2-Dichloroethane

Concen: 117.925 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN054165.D

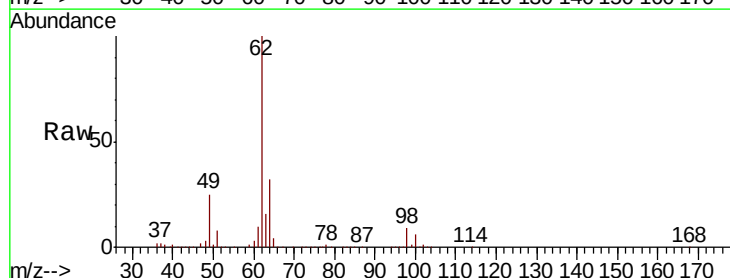
Acq: 12 Mar 2019 15:34

Tgt Ion: 62 Resp: 2412037

Ion Ratio Lower Upper

62 100

98 9.3 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

8.12

1200000

1000000

800000

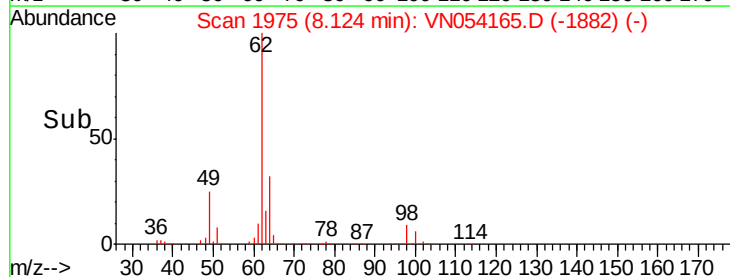
600000

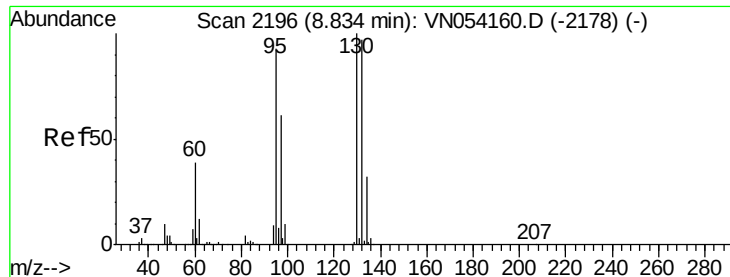
400000

200000

0

Time--> 8.00 8.10 8.20 8.30





#44

Trichloroethene

Concen: 28.354 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

Instrument :

MSVOA_N

ClientSampled :

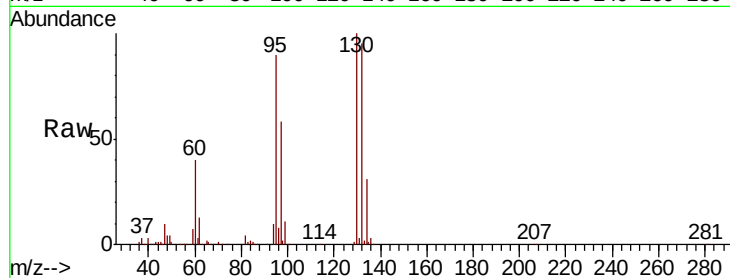
PT-VOA-WP

Tgt Ion:130 Resp: 533629

Ion Ratio Lower Upper

130 100

95 89.7 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.83

250000

200000

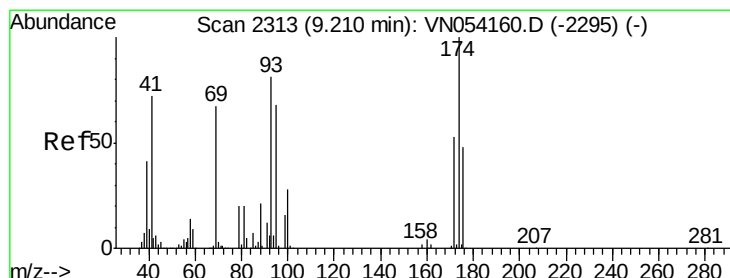
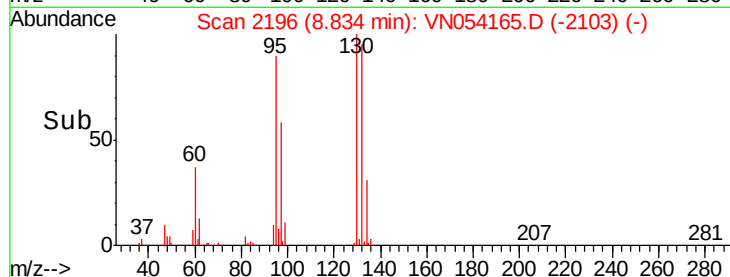
150000

100000

50000

0

Time--> 8.70 8.80 8.90 9.00



#46

Dibromomethane

Concen: 24.860 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

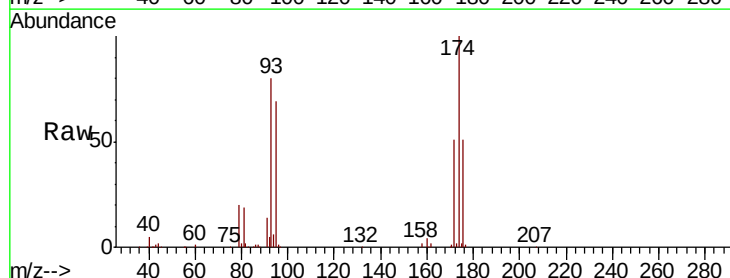
Tgt Ion: 93 Resp: 252687

Ion Ratio Lower Upper

93 100

95 84.6 66.7 100.1

174 123.9 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN

Ion 94.80 (94.50 to 95.50): VN

Ion 173.70 (173.40 to 174.40): V

200000

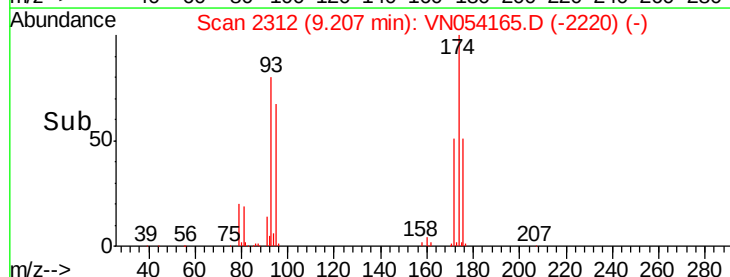
150000

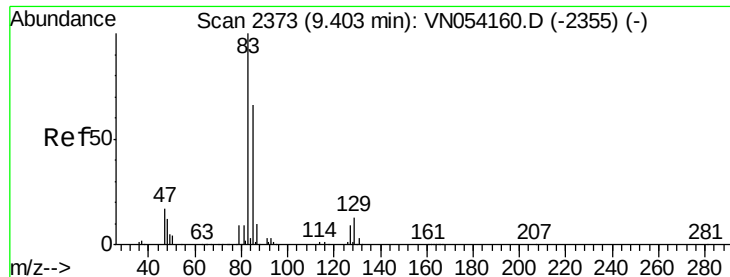
100000

50000

0

Time--> 9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 20.776 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

Instrument :

MSVOA_N

ClientSampled :

PT-VOA-WP

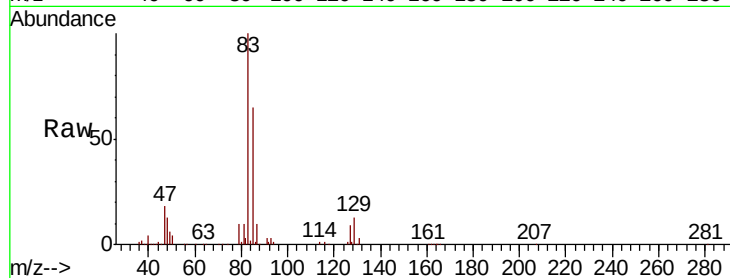
Tgt Ion: 83 Resp: 423352

Ion Ratio Lower Upper

83 100

85 64.6 52.8 79.2

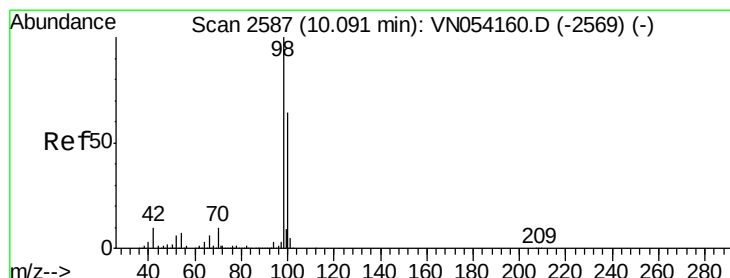
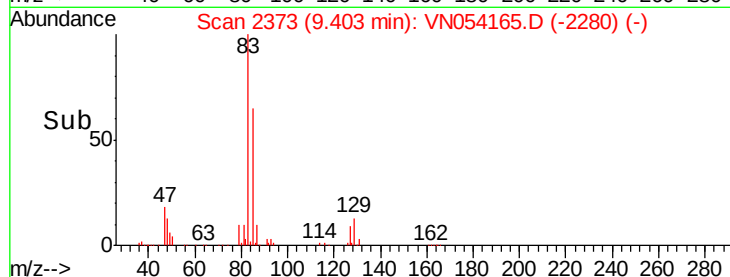
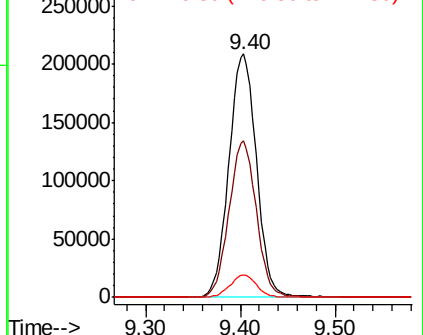
127 9.3 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#50

Toluene-d8

Concen: 49.600 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054165.D

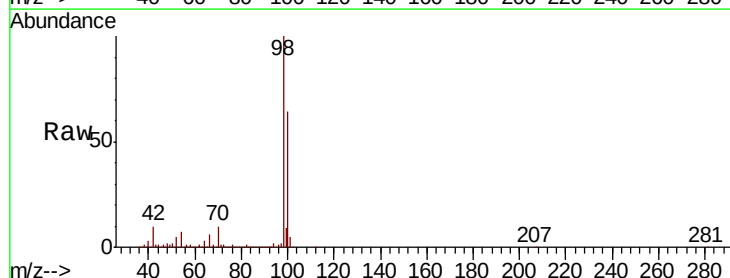
Acq: 12 Mar 2019 15:34

Tgt Ion: 98 Resp: 2716051

Ion Ratio Lower Upper

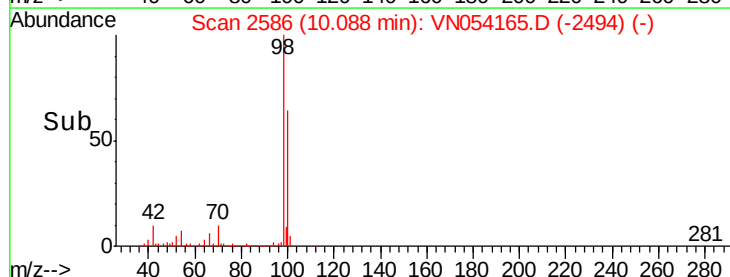
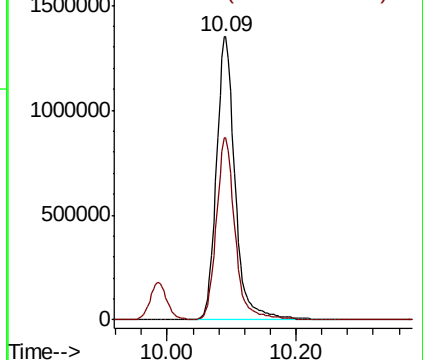
98 100

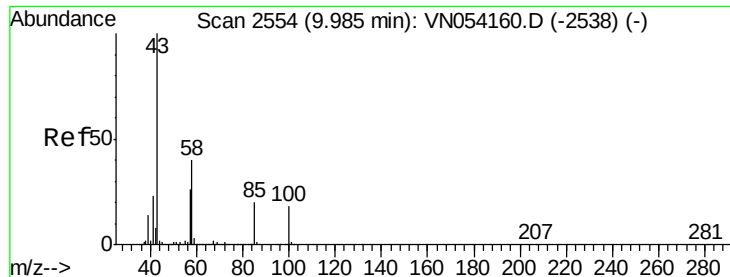
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 170.496 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

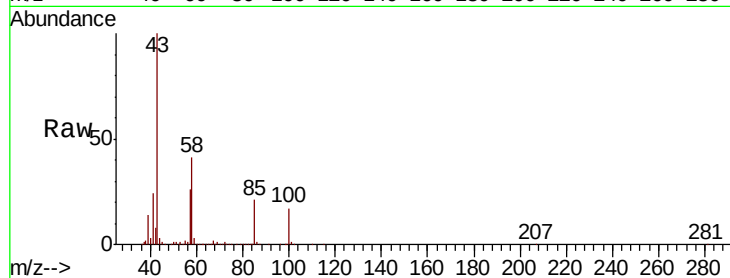
PT-VOA-WP

Tgt Ion: 43 Resp: 1926573

Ion Ratio Lower Upper

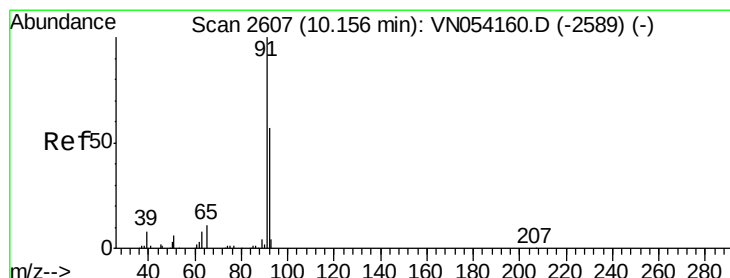
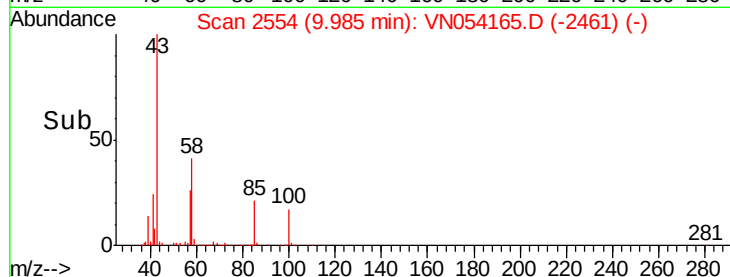
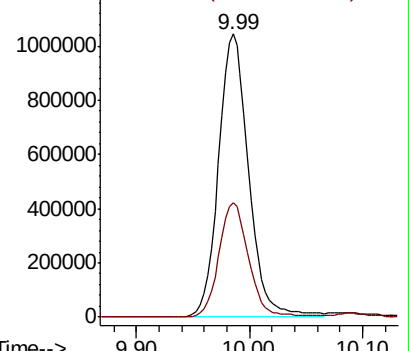
43 100

58 40.2 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 32.544 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054165.D

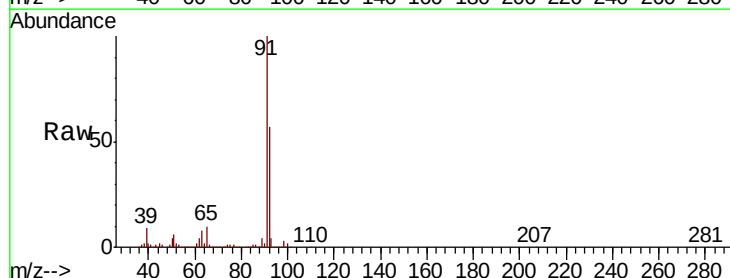
Acq: 12 Mar 2019 15:34

Tgt Ion: 92 Resp: 1250145

Ion Ratio Lower Upper

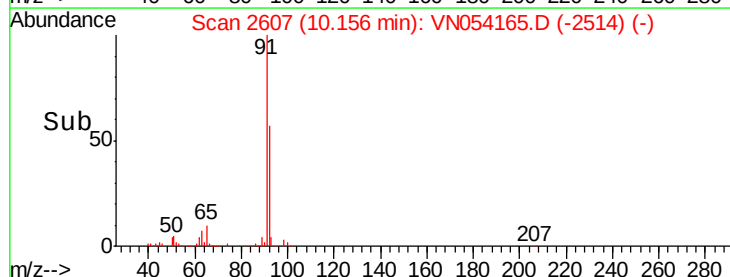
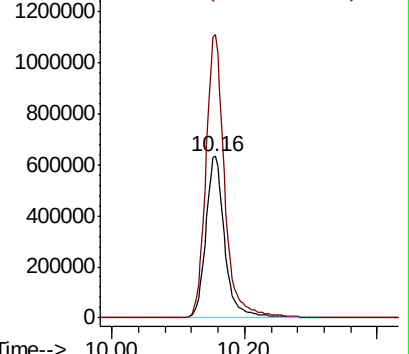
92 100

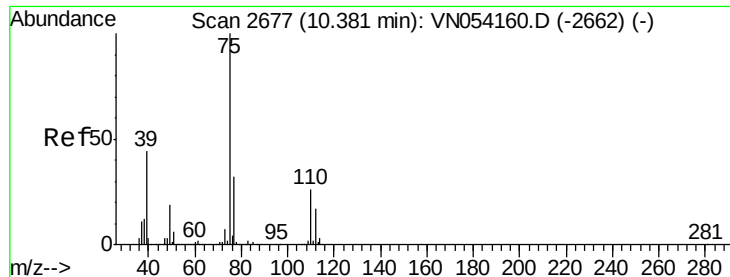
91 173.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 15.465 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

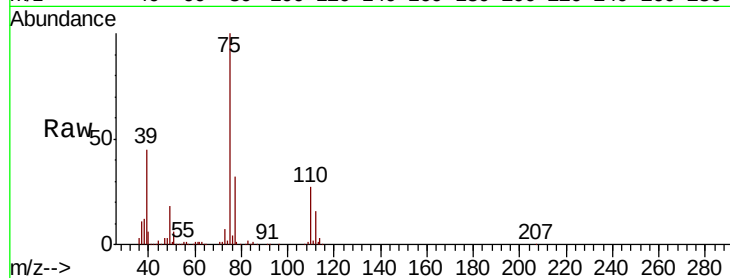
PT-VOA-WP

Tgt Ion: 75 Resp: 327147

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

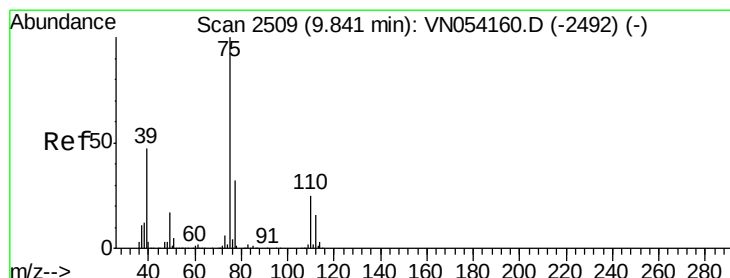
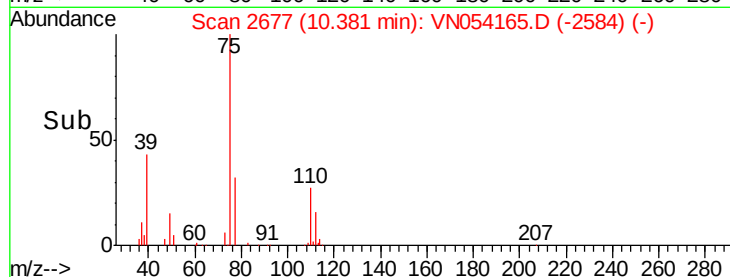
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 62.070 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

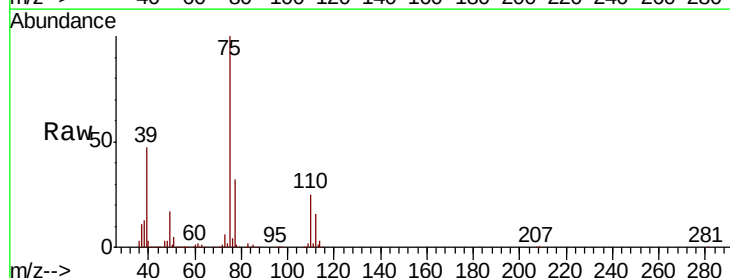
Tgt Ion: 75 Resp: 1473864

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 46.7 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

1000000

800000

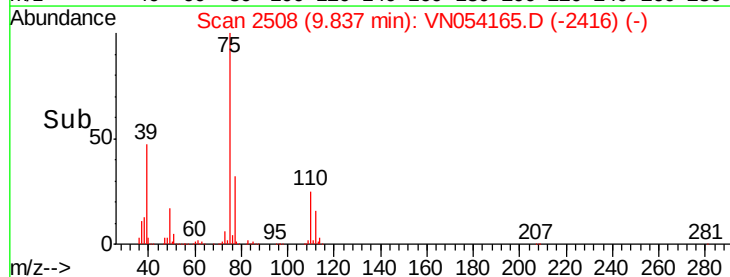
600000

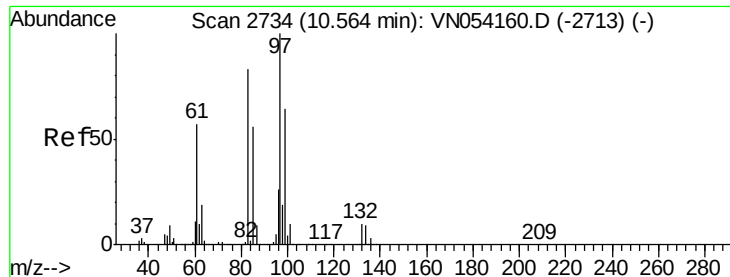
400000

200000

0

Time-->

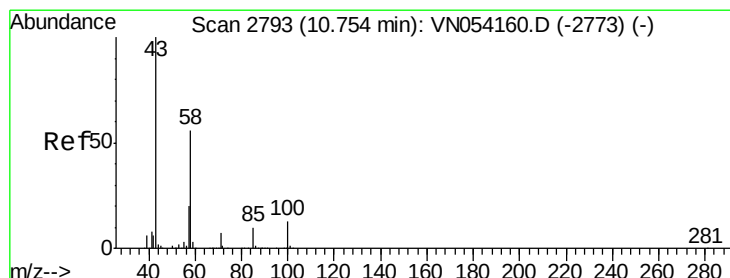
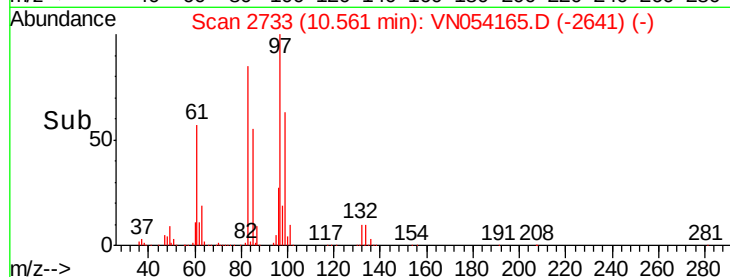
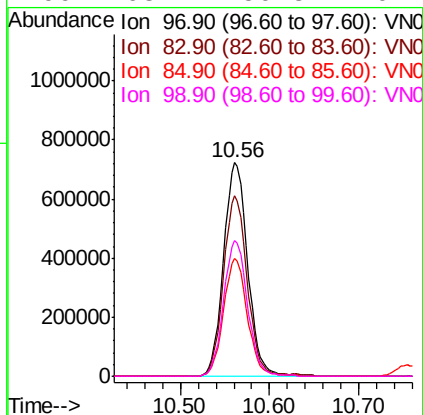
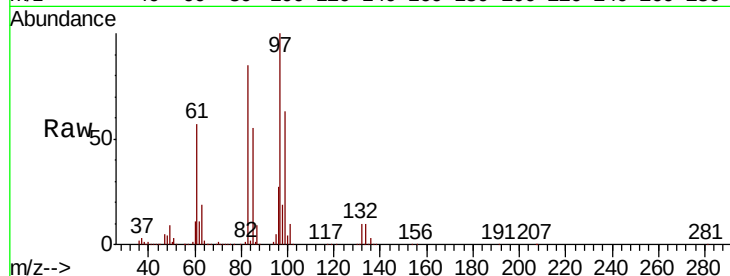




#55
 1,1,2-Trichloroethane
 Concen: 96.343 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054165.D
 Acq: 12 Mar 2019 15:34

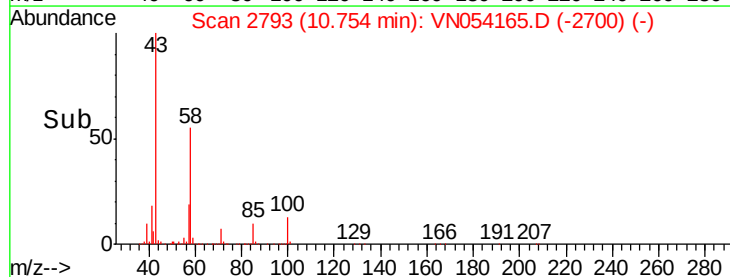
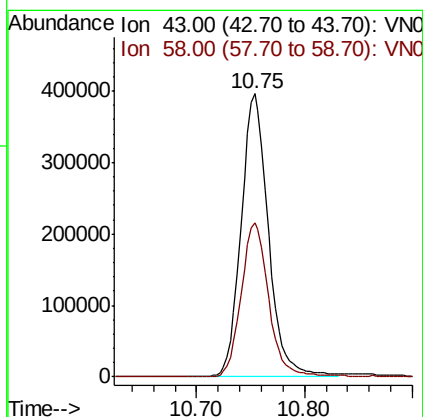
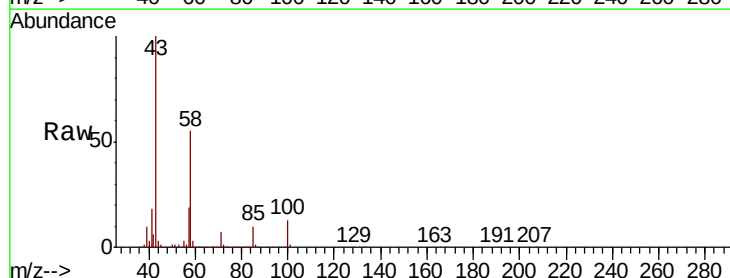
Instrument :
 MSVOA_N
 ClientSampled :
 PT-VOA-WP

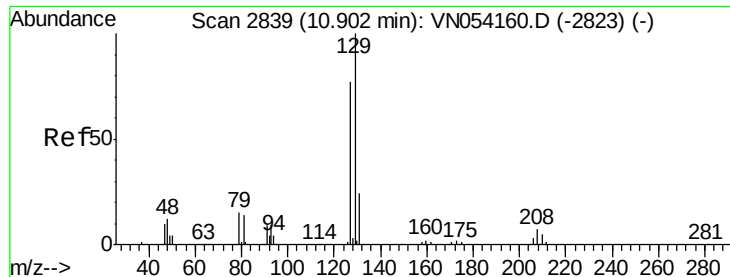
Tgt Ion: 97 Resp: 1351342
 Ion Ratio Lower Upper
 97 100
 83 84.6 66.6 100.0
 85 55.1 44.4 66.6
 99 63.4 50.8 76.2



#59
 2-Hexanone
 Concen: 92.101 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN054165.D
 Acq: 12 Mar 2019 15:34

Tgt Ion: 43 Resp: 692499
 Ion Ratio Lower Upper
 43 100
 58 55.4 28.0 83.9

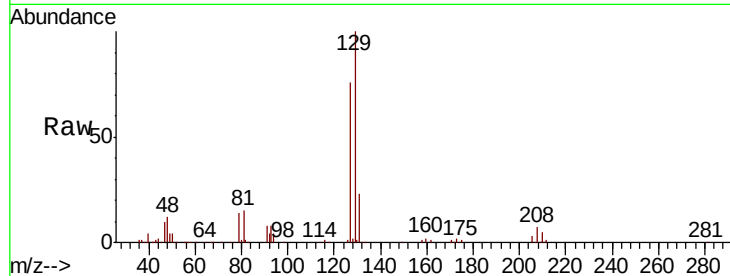




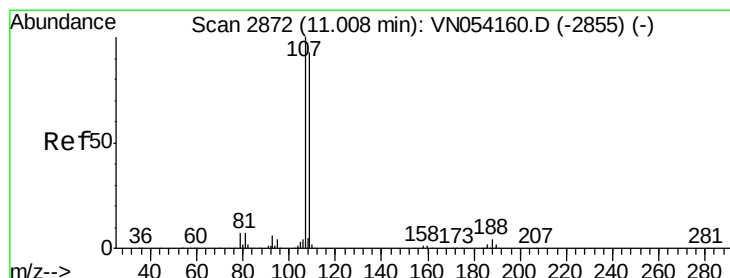
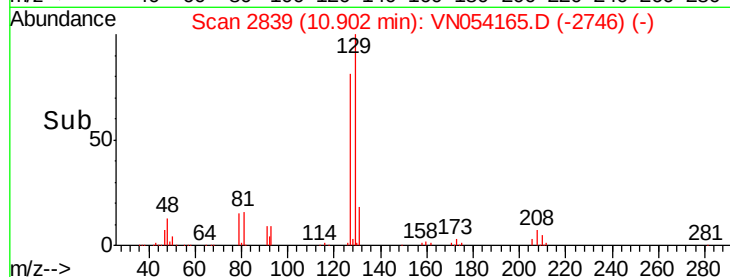
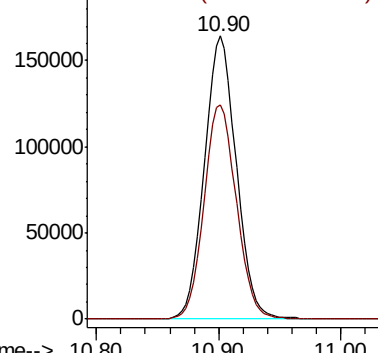
#60
 Dibromochloromethane
 Concen: 18.923 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN054165.D
 Acq: 12 Mar 2019 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

Tgt Ion:129 Resp: 298749
 Ion Ratio Lower Upper
 129 100
 127 76.8 38.6 115.8

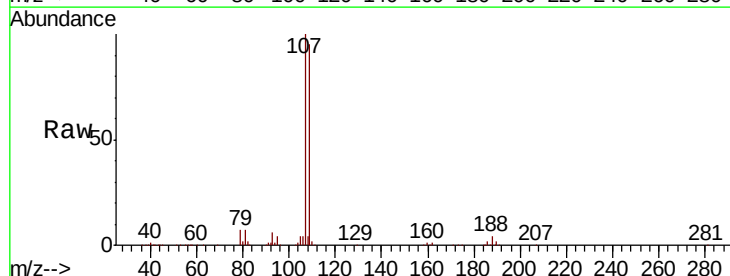


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

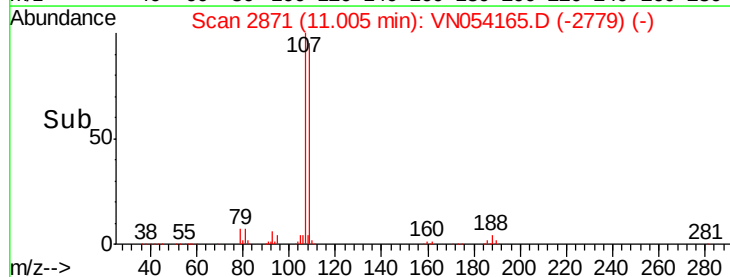
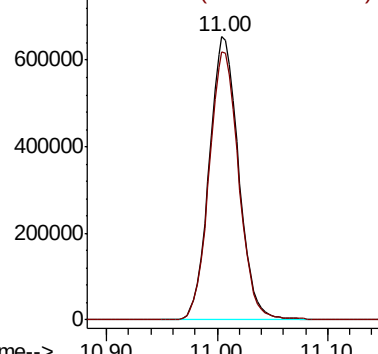


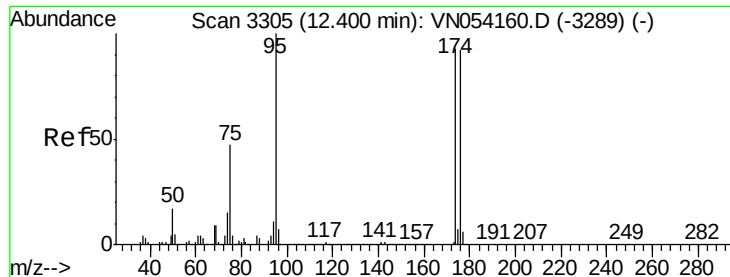
#61
 1,2-Dibromoethane
 Concen: 84.619 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054165.D
 Acq: 12 Mar 2019 15:34

Tgt Ion:107 Resp: 1206145
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 49.668 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WP

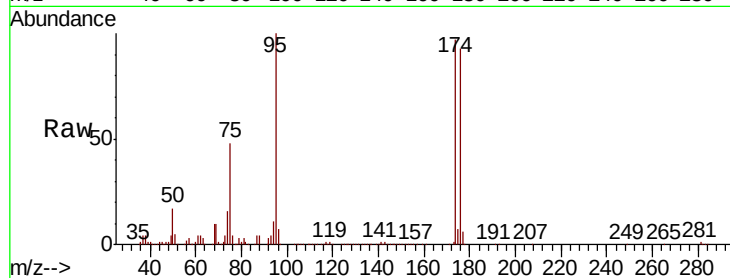
Tgt Ion: 95 Resp: 951650

Ion Ratio Lower Upper

95 100

174 96.2 0.0 191.0

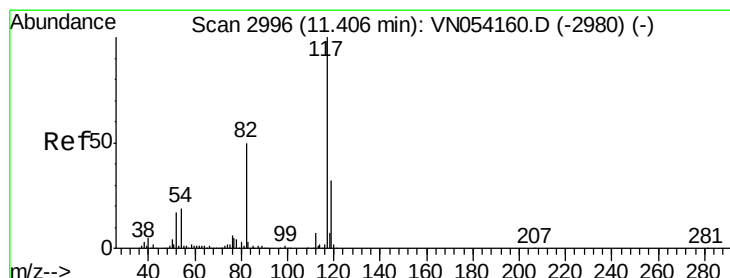
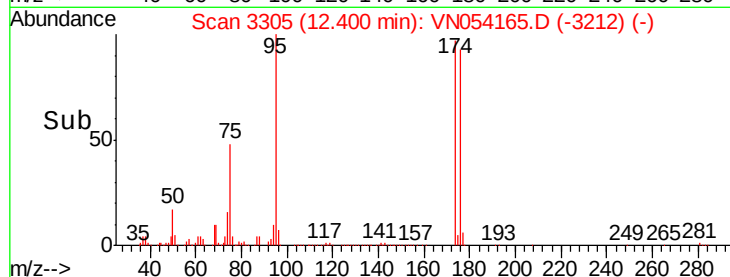
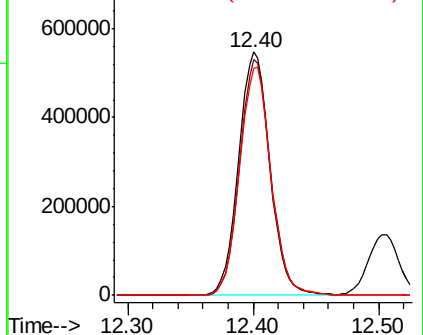
176 93.8 0.0 187.4



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: VN054165.D

Acq: 12 Mar 2019 15:34

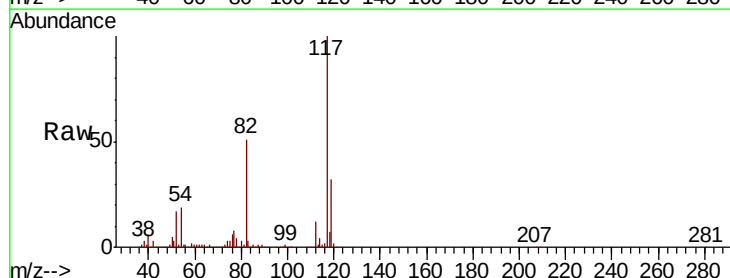
Tgt Ion: 117 Resp: 2015188

Ion Ratio Lower Upper

117 100

82 51.2 40.0 60.0

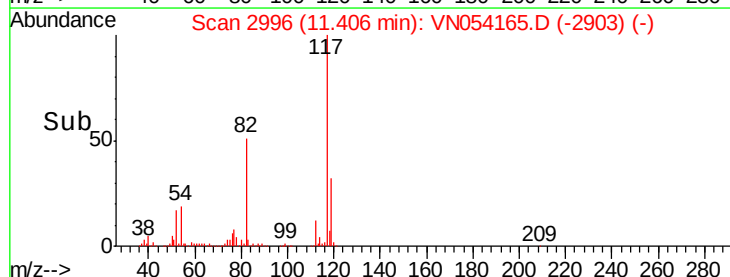
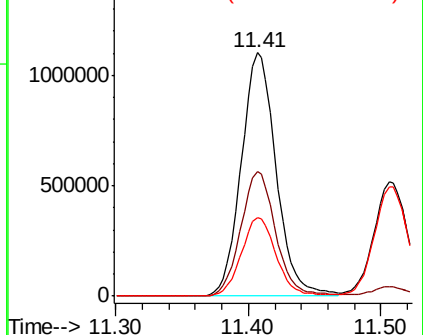
119 32.2 25.8 38.6

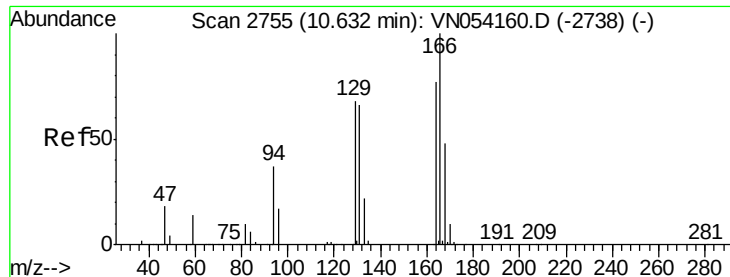


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#64

Tetrachloroethene

Concen: 18.096 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

Instrument :

MSVOA_N

ClientSampled :

PT-VOA-WP

Tgt Ion:164 Resp: 352577

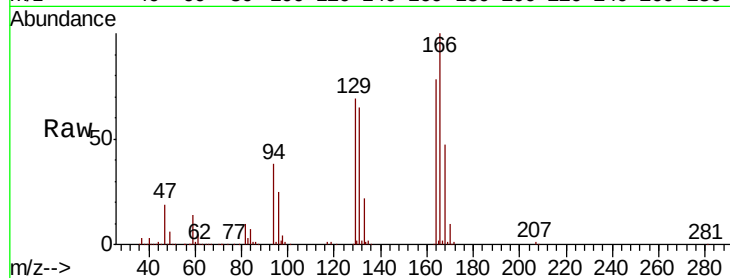
Ion Ratio Lower Upper

164 100

166 129.0 103.9 155.9

129 89.2 71.1 106.7

131 83.9 68.2 102.4

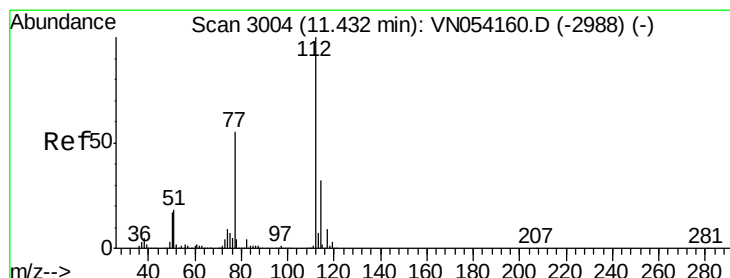
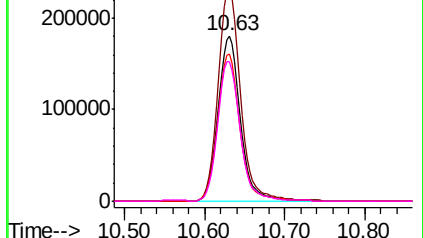
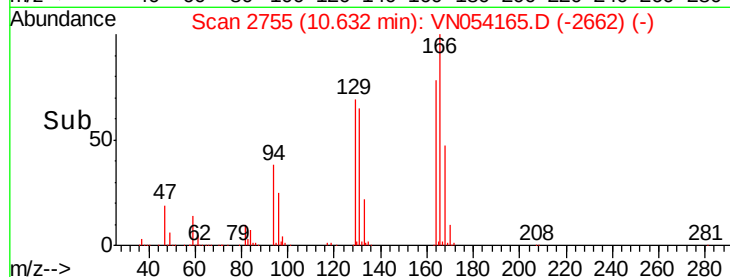


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 74.027 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054165.D

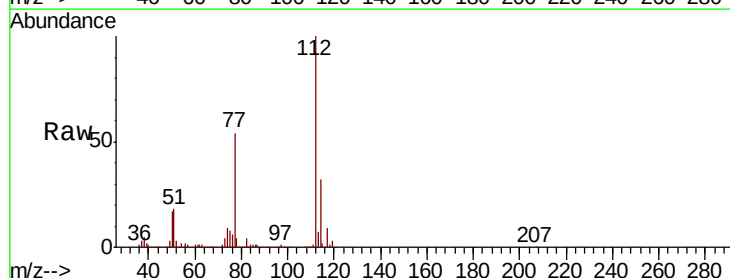
Acq: 12 Mar 2019 15:34

Tgt Ion:112 Resp: 3275548

Ion Ratio Lower Upper

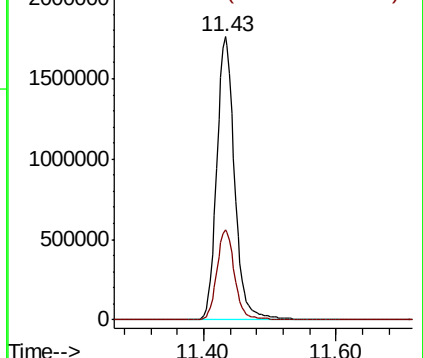
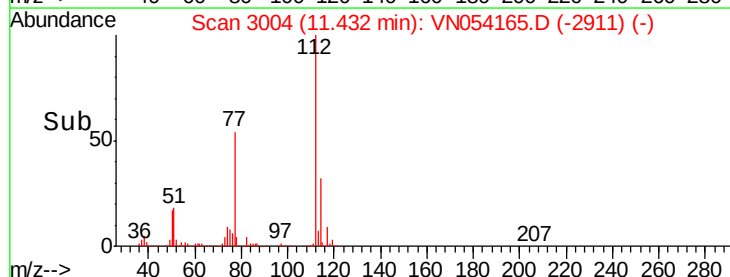
112 100

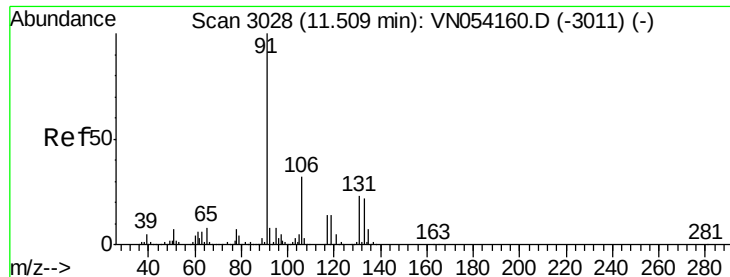
114 31.9 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

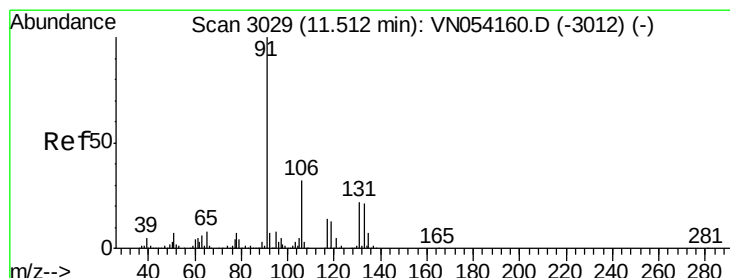
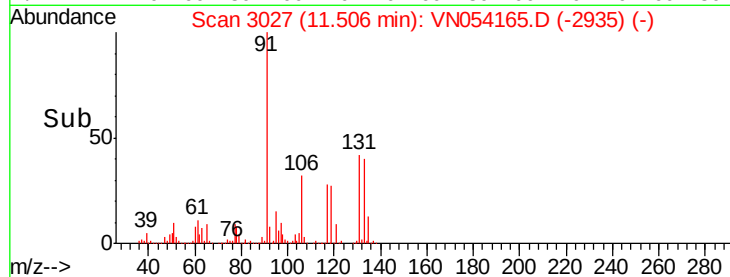
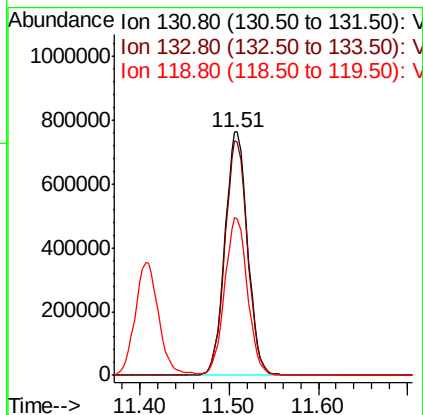
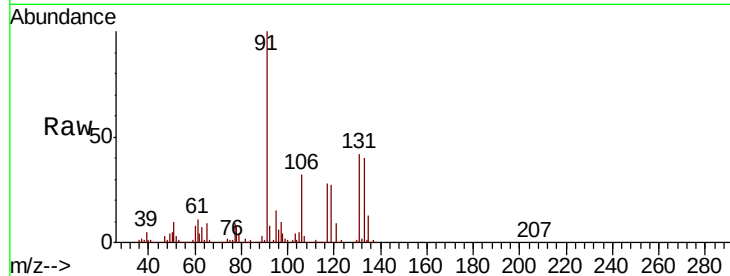




#66
 1,1,1,2-Tetrachloroethane
 Concen: 83.424 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN054165.D
 Acq: 12 Mar 2019 15:34

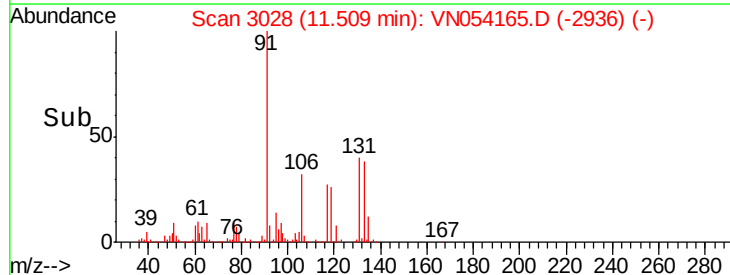
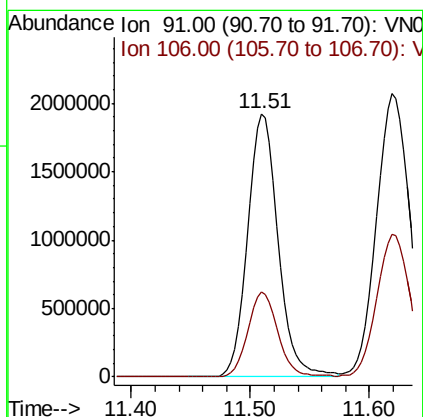
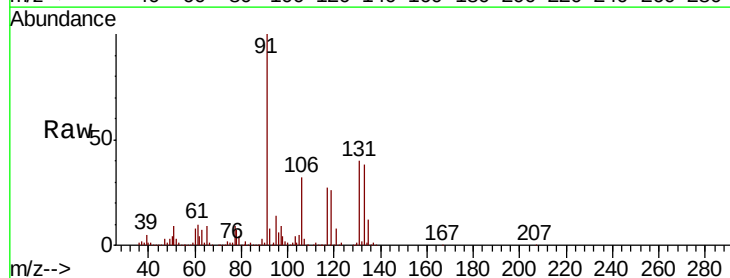
Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

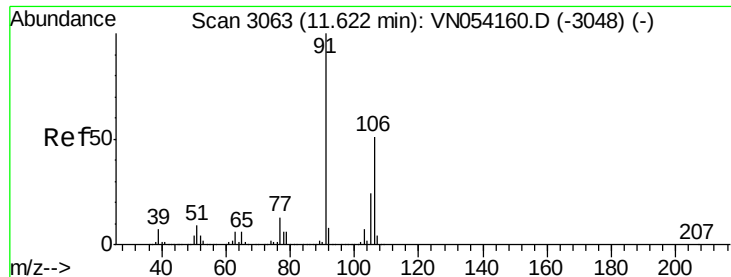
Tgt Ion:131 Resp: 1340977
 Ion Ratio Lower Upper
 131 100
 133 96.1 47.6 142.9
 119 65.5 32.4 97.0



#67
 Ethyl Benzene
 Concen: 46.467 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN054165.D
 Acq: 12 Mar 2019 15:34

Tgt Ion: 91 Resp: 3408328
 Ion Ratio Lower Upper
 91 100
 106 32.2 25.5 38.3





#68

m/p-Xylenes

Concen: 72.769 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

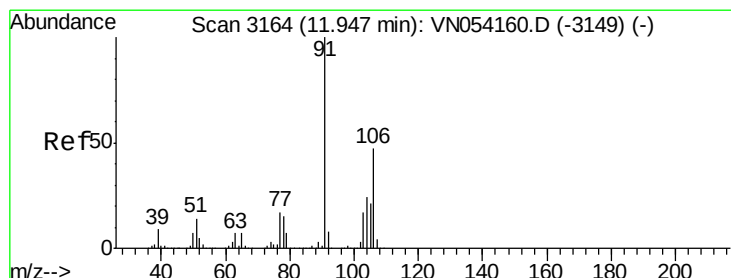
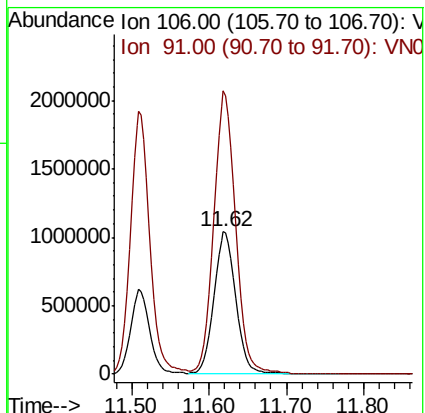
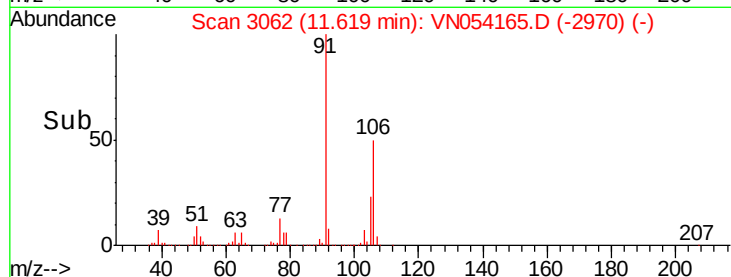
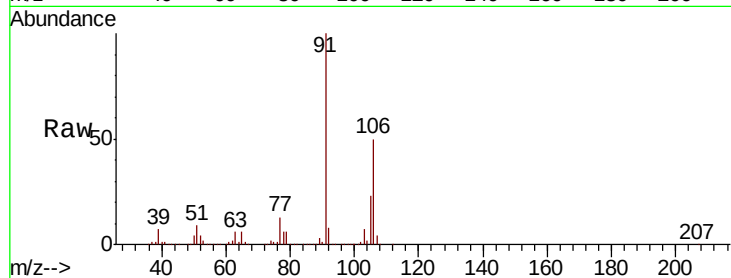
PT-VOA-WP

Tgt Ion:106 Resp: 2086156

Ion Ratio Lower Upper

106 100

91 198.9 159.4 239.2



#69

o-Xylene

Concen: 115.174 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054165.D

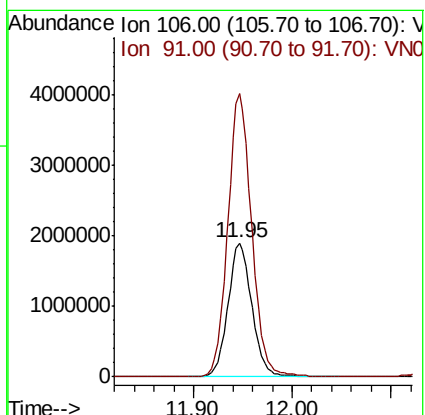
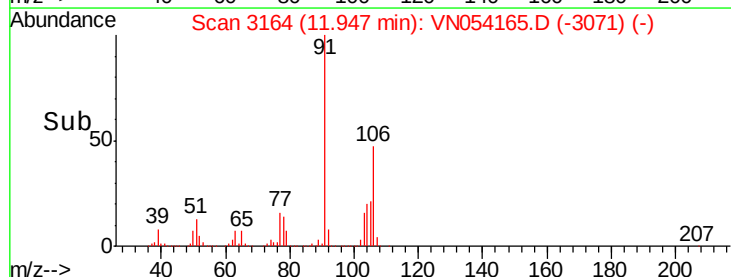
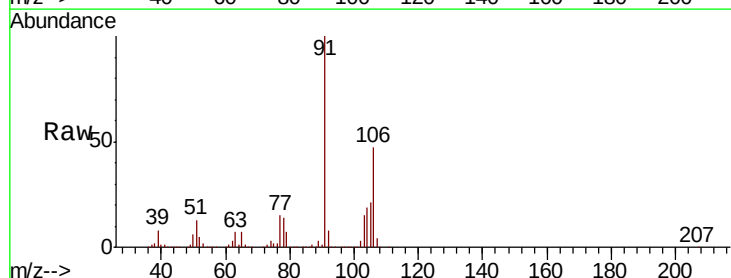
Acq: 12 Mar 2019 15:34

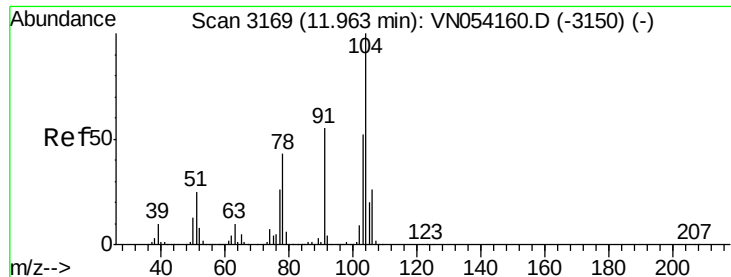
Tgt Ion:106 Resp: 3218724

Ion Ratio Lower Upper

106 100

91 211.1 105.7 317.1





#70

Styrene

Concen: 81.221 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

Instrument :

MSVOA_N

ClientSampled :

PT-VOA-WP

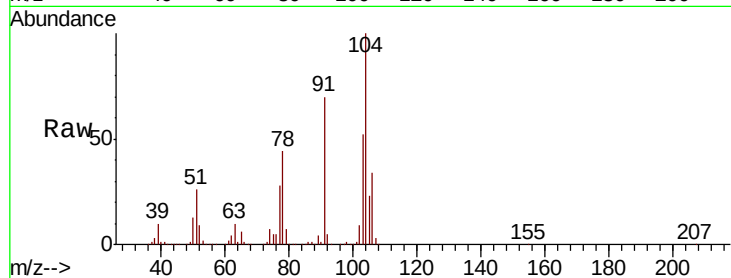
Tgt Ion:104 Resp: 3559905

Ion Ratio Lower Upper

104 100

78 51.1 38.2 57.2

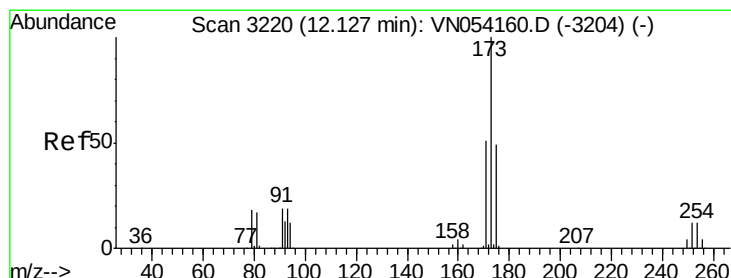
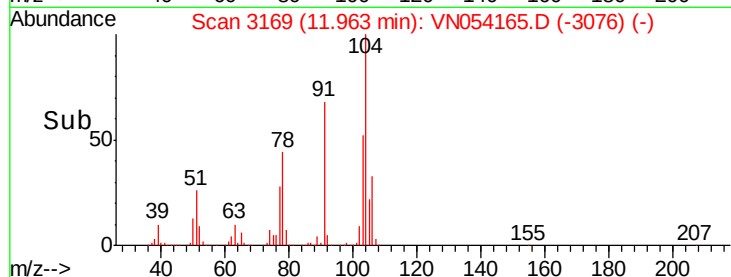
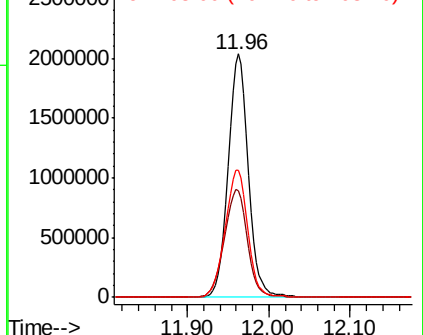
103 59.1 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 27.841 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

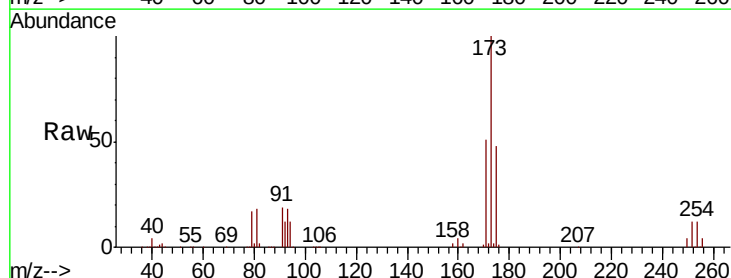
Tgt Ion:173 Resp: 327752

Ion Ratio Lower Upper

173 100

175 48.9 24.4 73.2

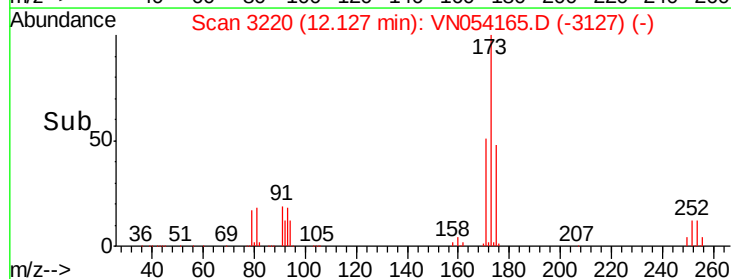
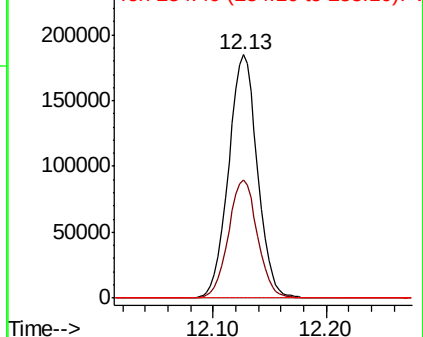
254 0.2 0.1 0.1#

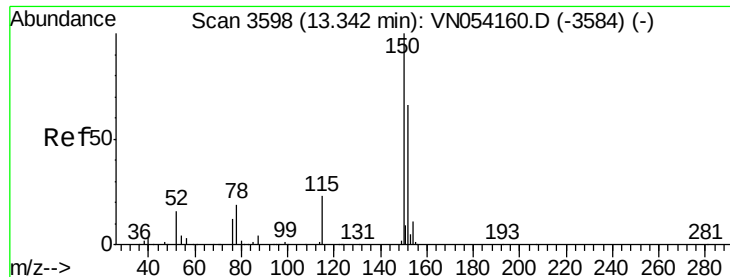


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN054165.D

Acq: 12 Mar 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WP

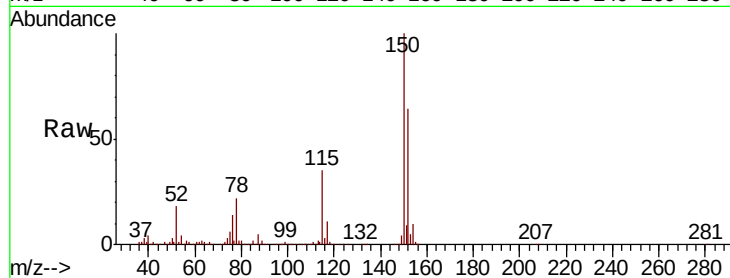
Tgt Ion:152 Resp: 989496

Ion Ratio Lower Upper

152 100

115 54.7 27.2 81.6

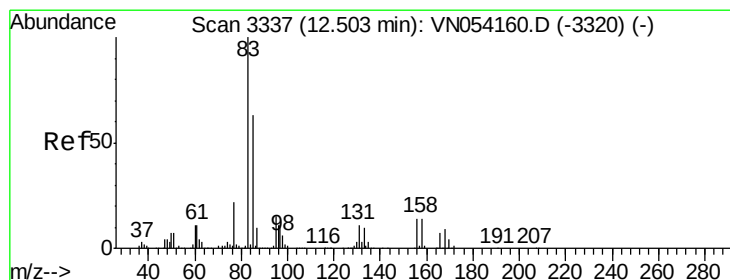
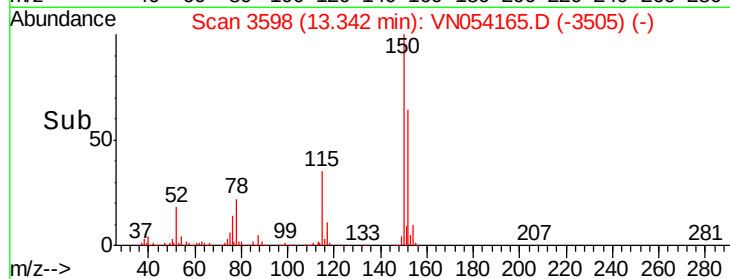
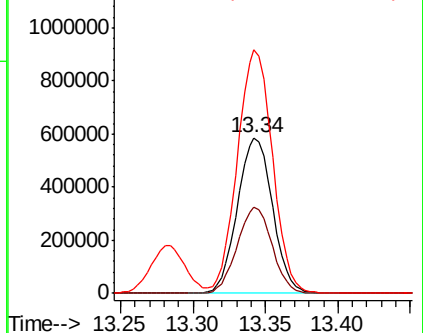
150 156.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: 84.999 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054165.D

Acq: 12 Mar 2019 15:34

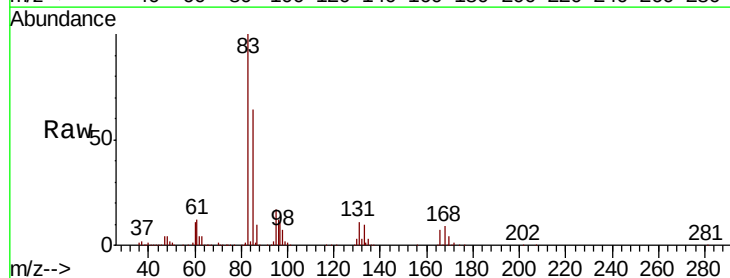
Tgt Ion: 83 Resp: 1433653

Ion Ratio Lower Upper

83 100

131 11.1 5.8 17.4

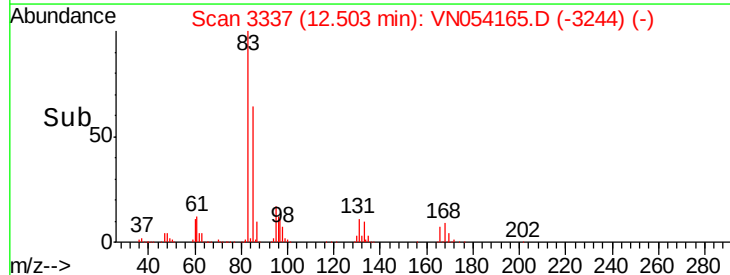
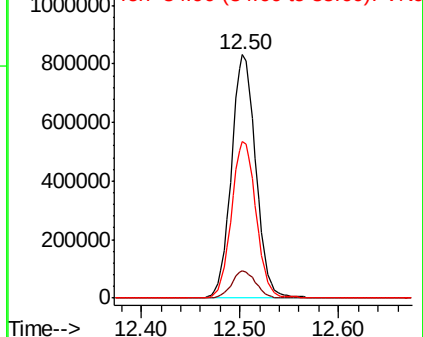
85 65.1 32.2 96.6

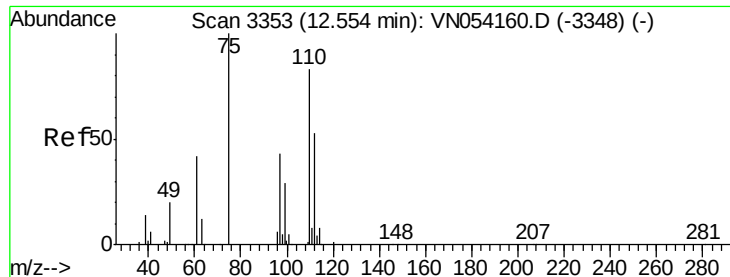


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

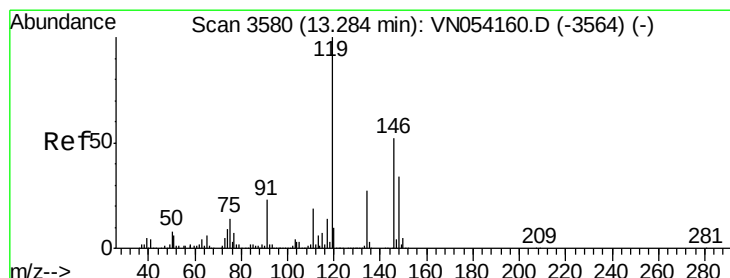
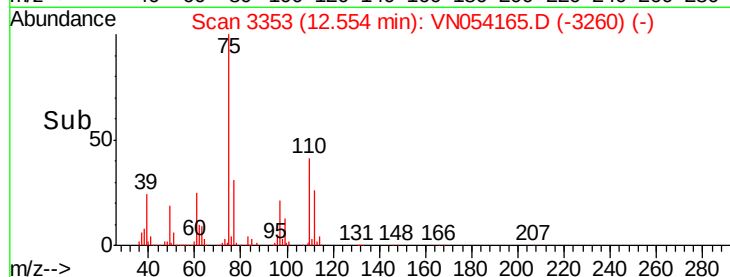
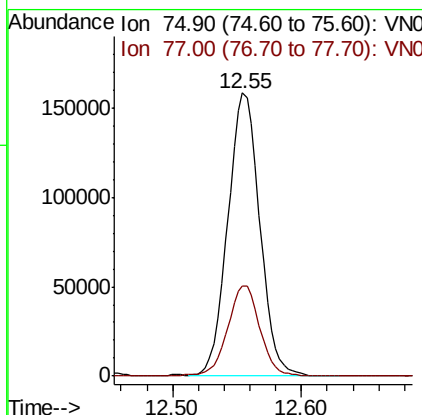
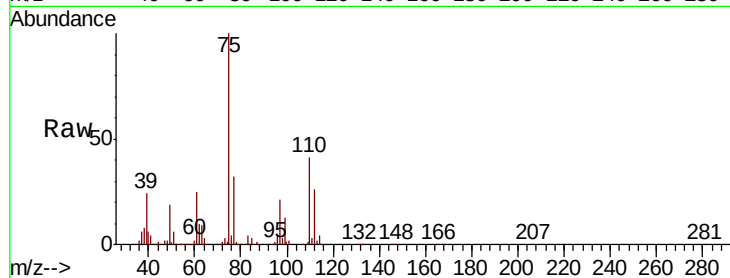




#76
 1,2,3-Trichloropropane
 Concen: 18.682 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054165.D
 Acq: 12 Mar 2019 15:34

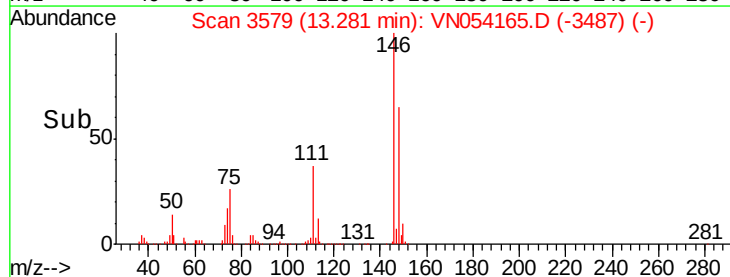
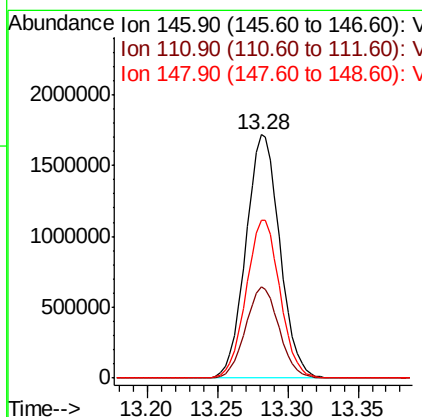
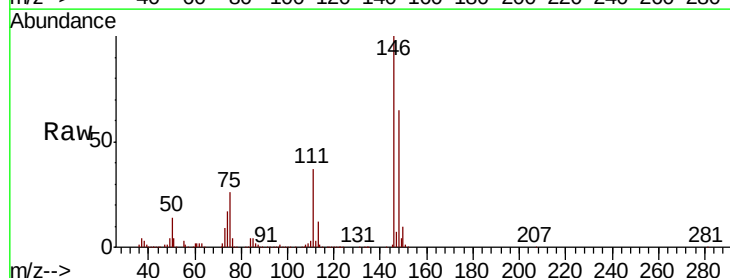
Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

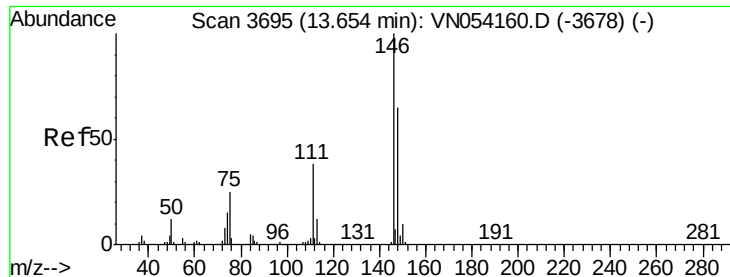
Tgt Ion: 75 Resp: 271847
 Ion Ratio Lower Upper
 75 100
 77 32.5 0.0 0.0#



#87
 1,3-Dichlorobenzene
 Concen: 82.021 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054165.D
 Acq: 12 Mar 2019 15:34

Tgt Ion: 146 Resp: 2895259
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.3
 148 64.7 32.2 96.6

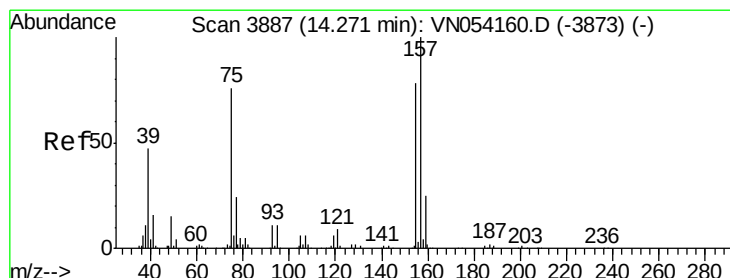
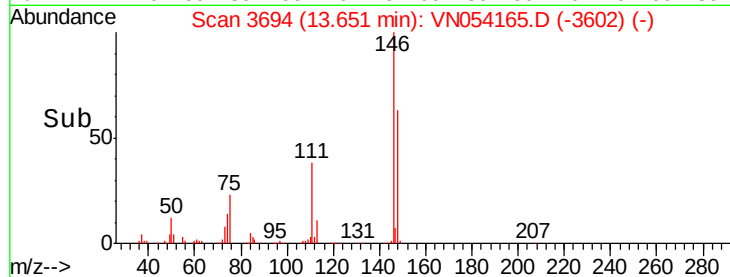
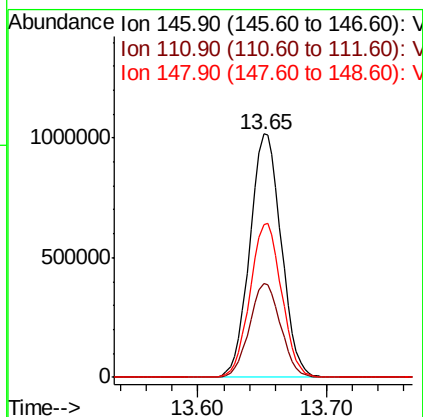
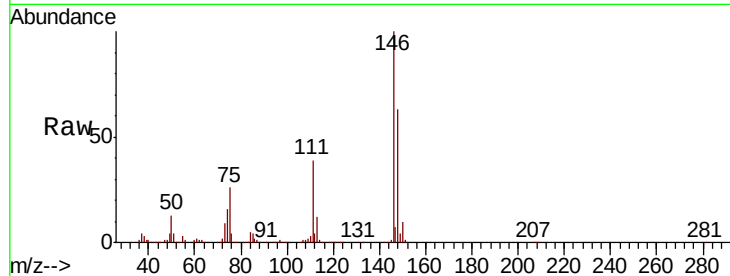




#91
 1,2-Dichlorobenzene
 Concen: 50.134 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054165.D
 Acq: 12 Mar 2019 15:34

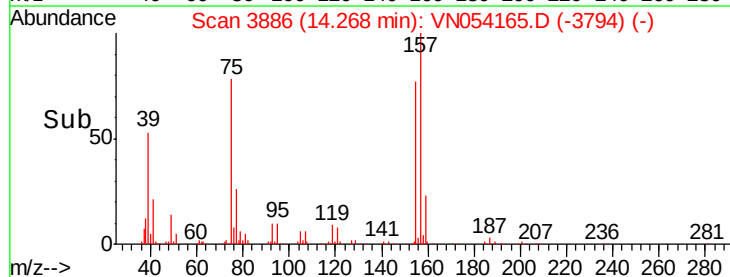
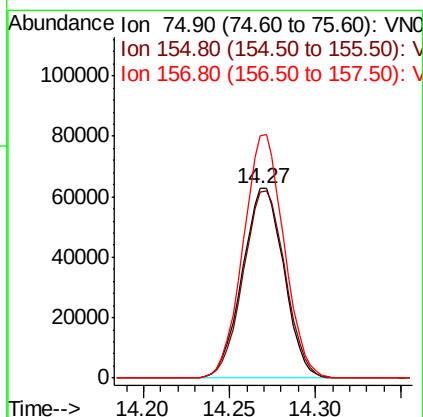
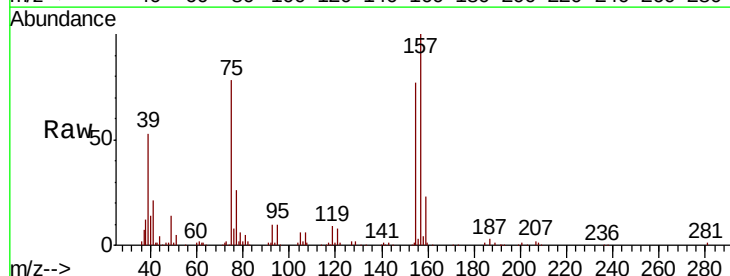
Instrument :
 MSVOA_N
 ClientSampled :
 PT-VOA-WP

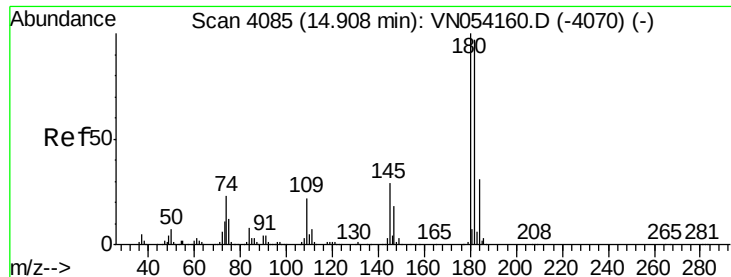
Tgt Ion:146 Resp: 1730016
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.1 57.3
 148 63.6 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.342 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054165.D
 Acq: 12 Mar 2019 15:34

Tgt Ion: 75 Resp: 105293
 Ion Ratio Lower Upper
 75 100
 155 99.5 50.1 150.3
 157 126.0 63.1 189.3

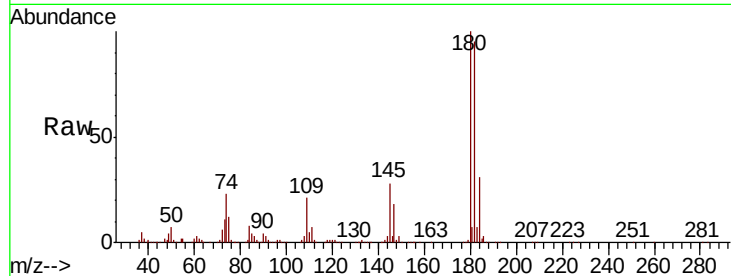




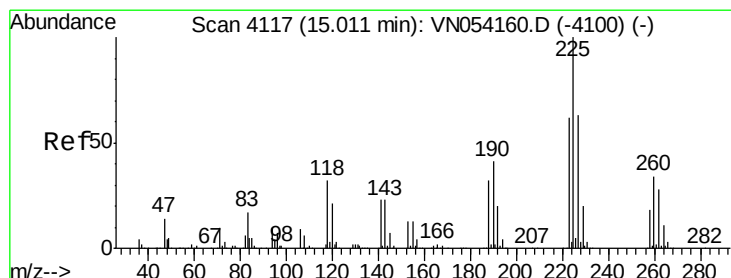
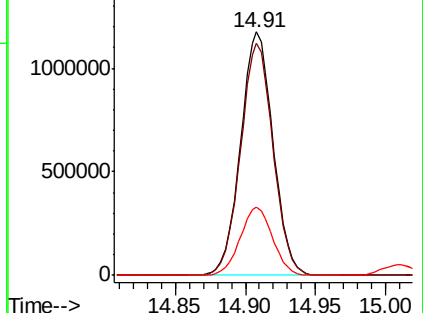
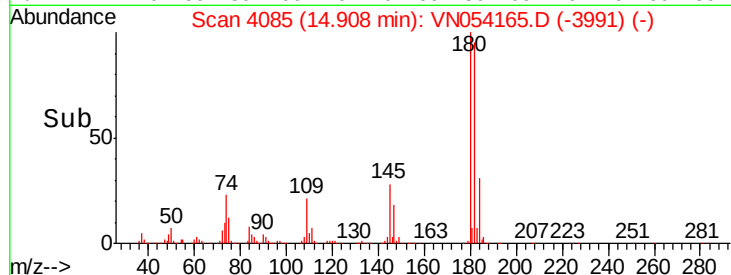
#93
 1,2,4-Trichlorobenzene
 Concen: 88.881 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054165.D
 Acq: 12 Mar 2019 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

Tgt Ion:180 Resp: 1894613
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.0 144.2
 145 28.1 14.2 42.8

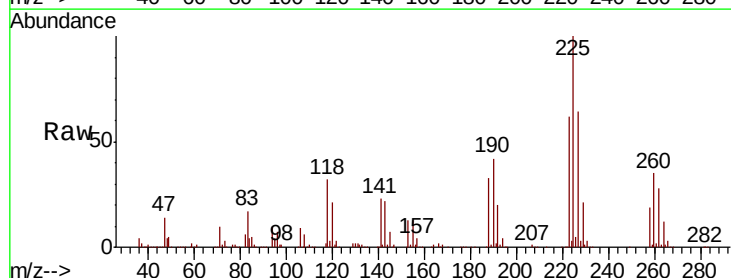


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

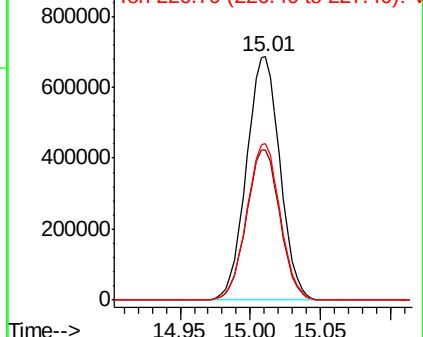
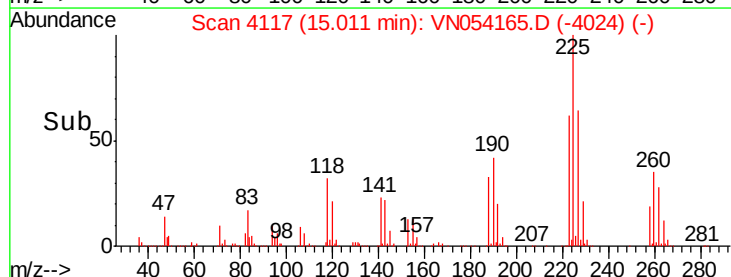


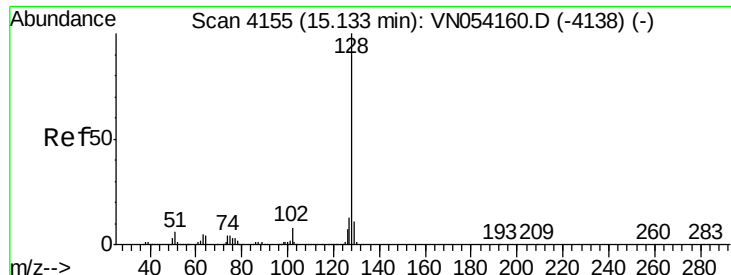
#94
 Hexachlorobutadiene
 Concen: 86.905 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054165.D
 Acq: 12 Mar 2019 15:34

Tgt Ion:225 Resp: 1142278
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.1 93.5
 227 64.0 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

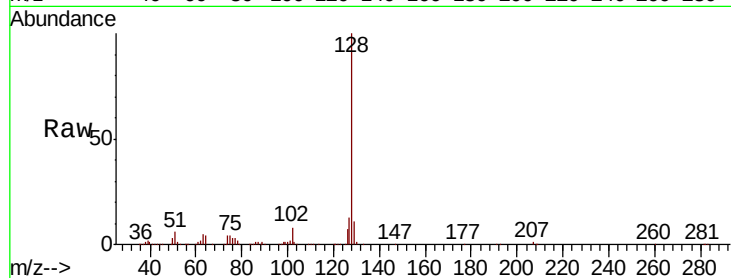




#95
Naphthalene
Concen: 31.500 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054165.D
Acq: 12 Mar 2019 15:34

Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WP

Tgt Ion:128 Resp: 1307202
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
1000000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

