

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111918\
 Data File : VN052379.D
 Acq On : 19 Nov 2018 12:15
 Operator : MD\SY
 Sample : PB114901TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114901TB

Quant Time: Nov 20 07:10:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	295290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	485455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	403872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131561	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	207611	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	7.59	113	158053	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	10.09	98	611489	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	172198	42.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.00%	

Target Compounds

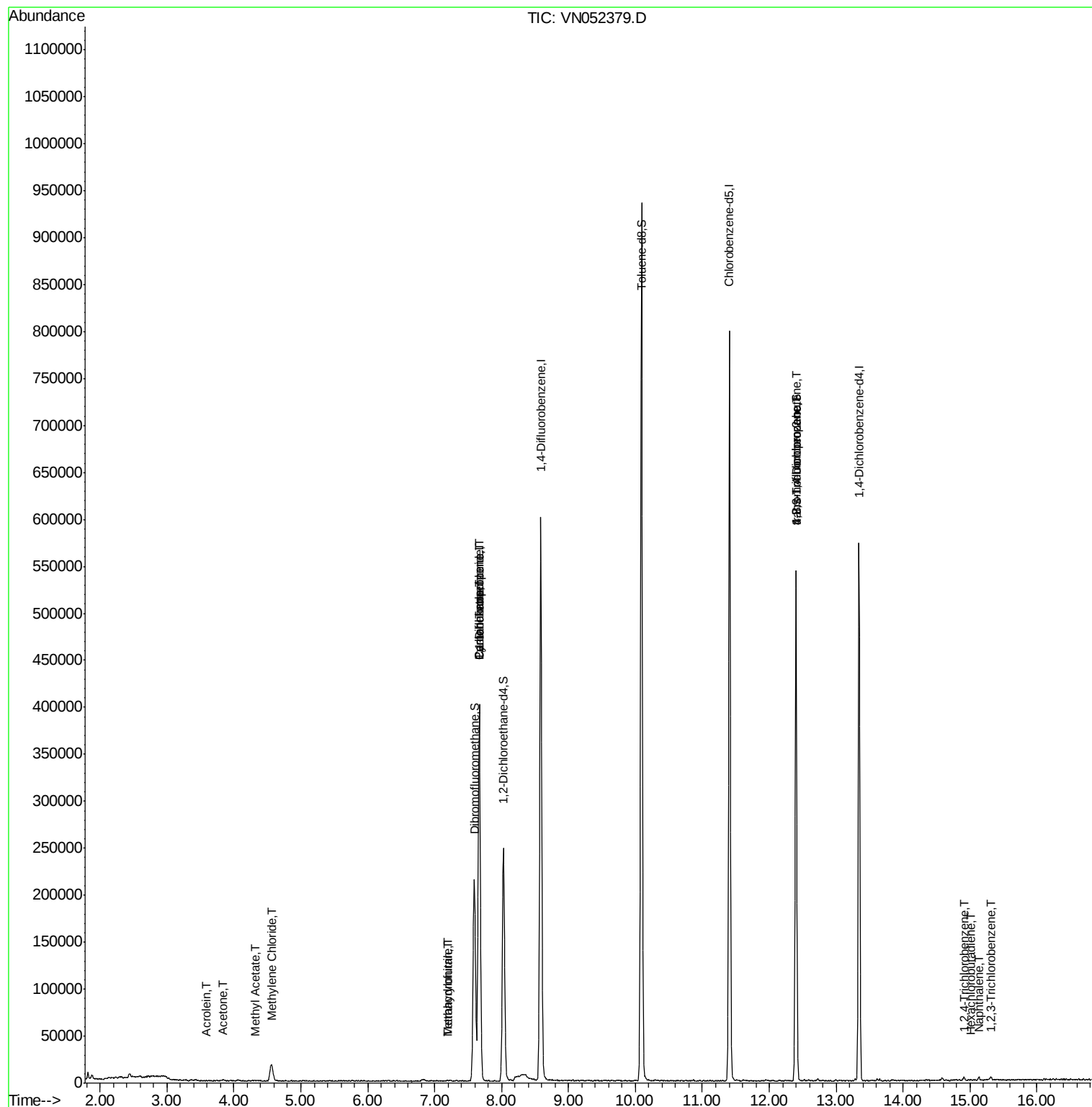
						Qvalue
13) Acrolein	3.60	56	30	21.853	ug/l #	14
16) Acetone	3.83	43	1014	0.883	ug/l #	44
18) Methyl Acetate	4.32	43	472	0.577	ug/l #	57
20) Methylene Chloride	4.56	84	12156	2.819	ug/l #	86
29) Tetrahydrofuran	7.20	42	641	0.604	ug/l #	40
31) Cyclohexane	7.66	56	9354	0.424	ug/l #	44
36) 1,1-Dichloropropene	7.67	75	28109	5.777	ug/l #	52
38) Carbon Tetrachloride	7.67	117	31591	7.067	ug/l #	15
41) Methacrylonitrile	7.19	41	421	3.894	ug/l #	100
76) 1,2,3-Trichloropropane	12.40	75	97611	43.726	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	97611	141.820	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.91	180	977	2.730	ug/l #	14
94) Hexachlorobutadiene	15.00	225	295	0.304	ug/l #	18
95) Naphthalene	15.14	128	2693	3.153	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.31	180	1185	0.736	ug/l	95

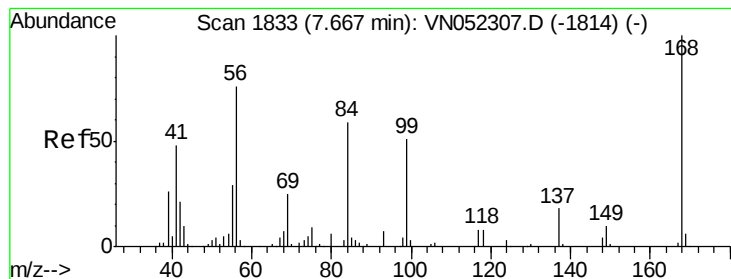
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN052379.D

Acq: 19 Nov 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

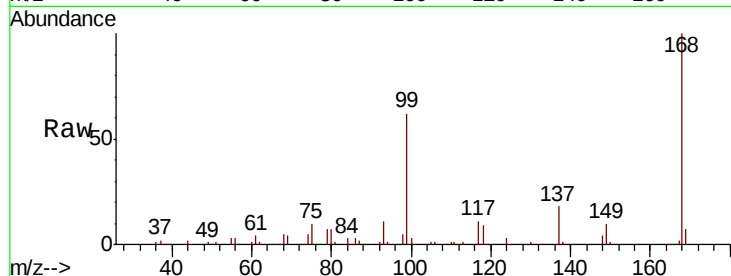
PB114901TB

Tot Ion:168 Resp: 295290

Ion Ratio Lower Upper

168 100

99 62.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

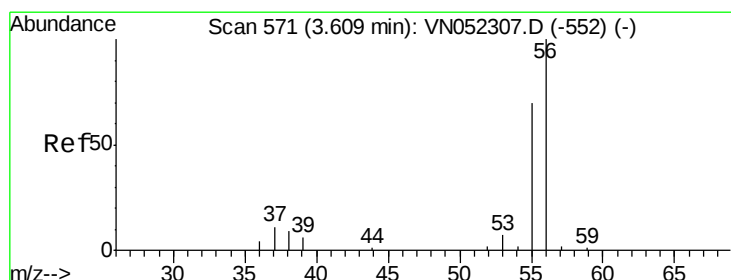
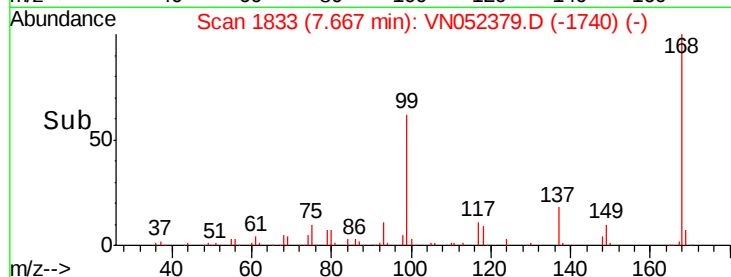
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 21.853 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN052379.D

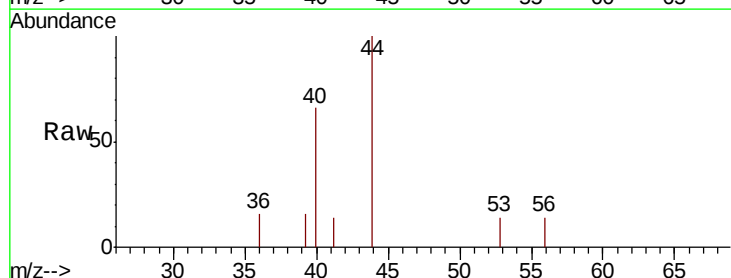
Acq: 19 Nov 2018 12:15

Tgt Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.60

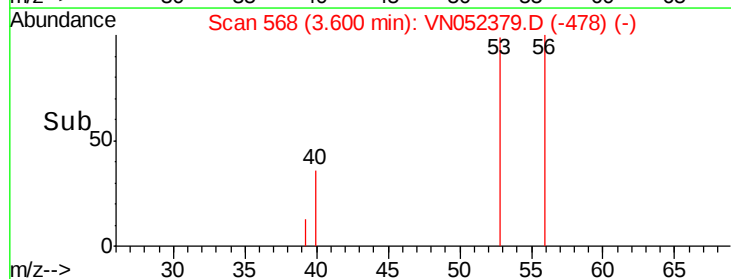
150

100

50

0

Time-->





#16

Acetone

Concen: 0.883 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.02 min

Lab File: VN052379.D

Acq: 19 Nov 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

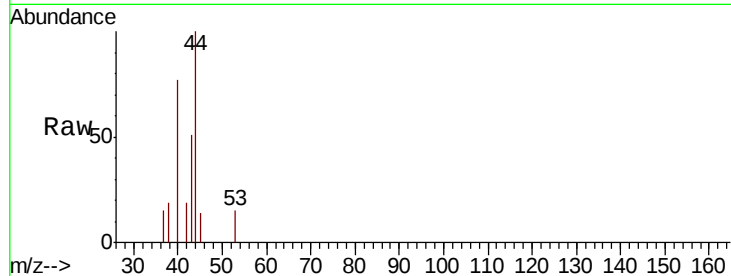
PB114901TB

Tot Ion: 43 Resp: 1014

Ion Ratio Lower Upper

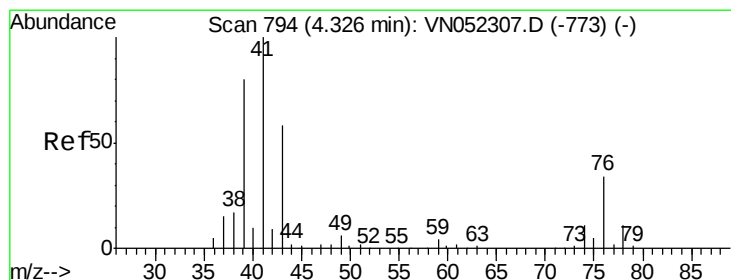
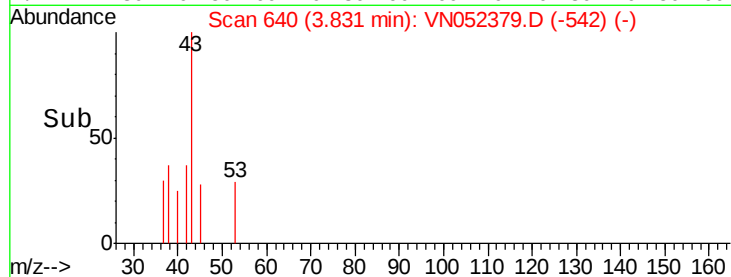
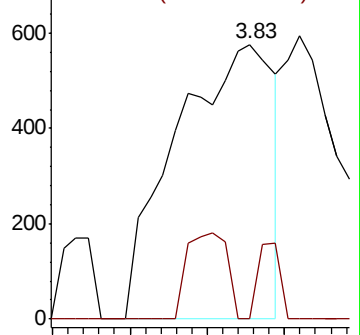
43 100

58 0.0 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.577 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VN052379.D

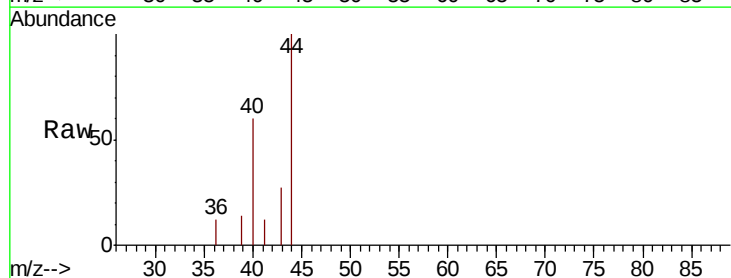
Acq: 19 Nov 2018 12:15

Tgt Ion: 43 Resp: 472

Ion Ratio Lower Upper

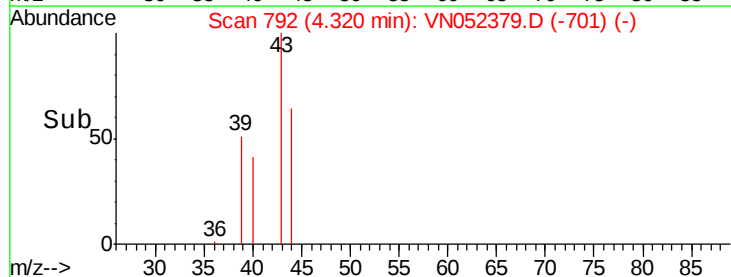
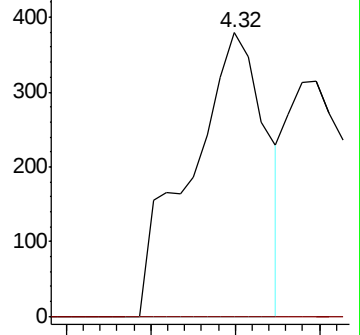
43 100

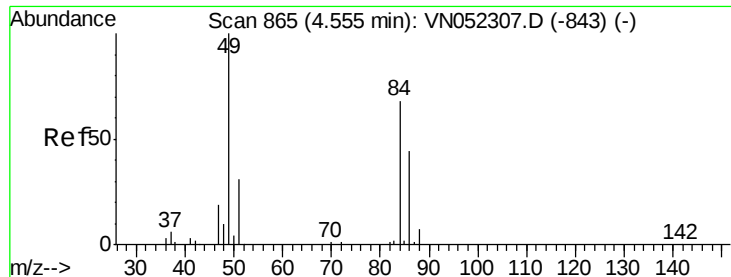
74 0.0 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methvlene Chloride

Concen: 2.819 ug/l

RT: 4.56 min Scan# 868

Delta R.T. 0.01 min

Lab File: VN052379.D

Acq: 19 Nov 2018 12:15

Instrument :

MSVOA_N

ClientSampled :

PB114901TB

Tot Ion: 84 Resp: 12156

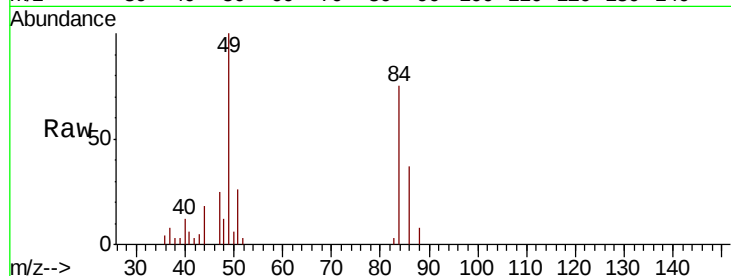
Ion Ratio Lower Upper

84 100

49 133.6 118.2 177.2

51 34.4 36.1 54.1#

86 49.4 51.6 77.4#

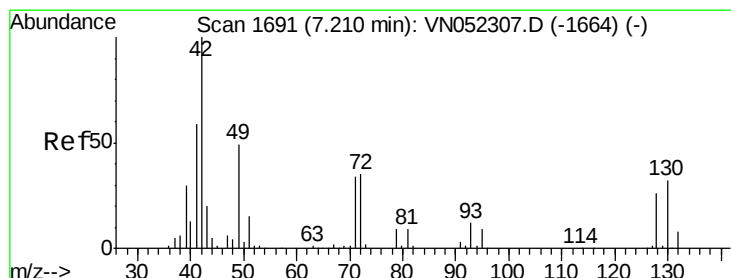
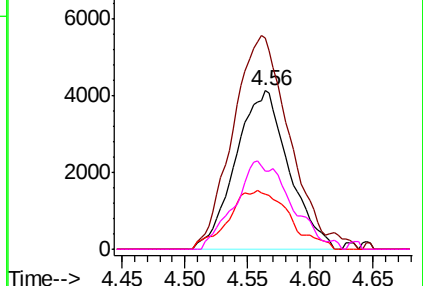
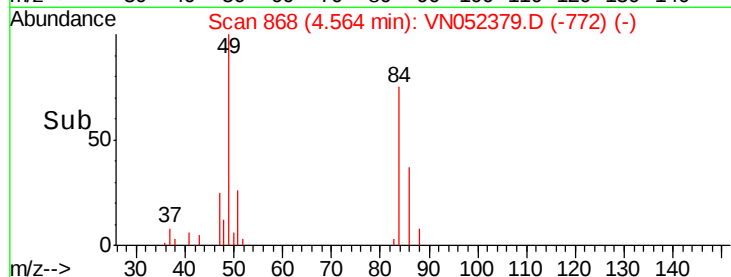


Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC



#29

Tetrahydrofuran

Concen: 0.604 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VN052379.D

Acq: 19 Nov 2018 12:15

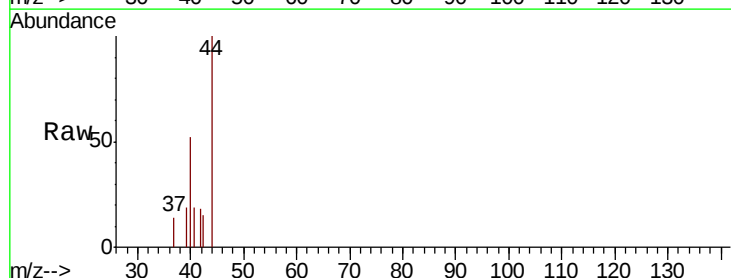
Tgt Ion: 42 Resp: 641

Ion Ratio Lower Upper

42 100

72 0.0 28.6 42.8#

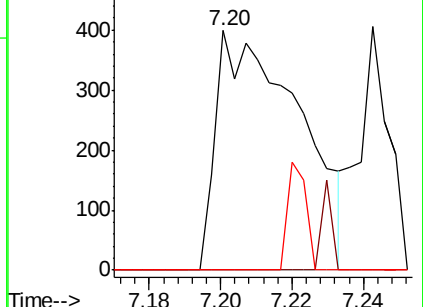
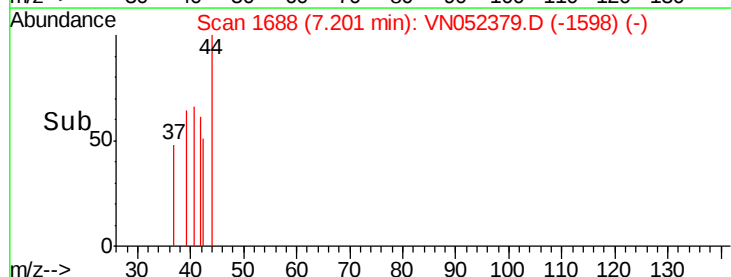
71 0.0 26.7 40.1#

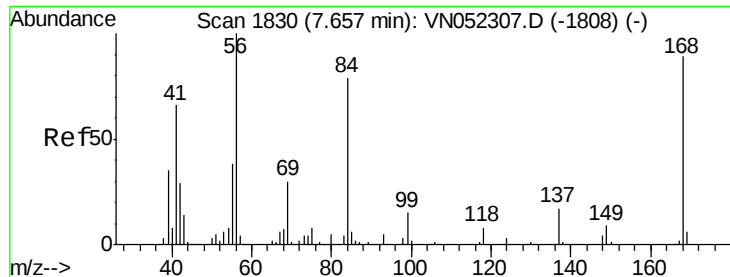


Abundance Ion 42.00 (41.70 to 42.70): VNC

Ion 72.00 (71.70 to 72.70): VNC

Ion 71.00 (70.70 to 71.70): VNC





#31

Cyclohexane

Concen: 0.424 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052379.D

Acq: 19 Nov 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

PB114901TB

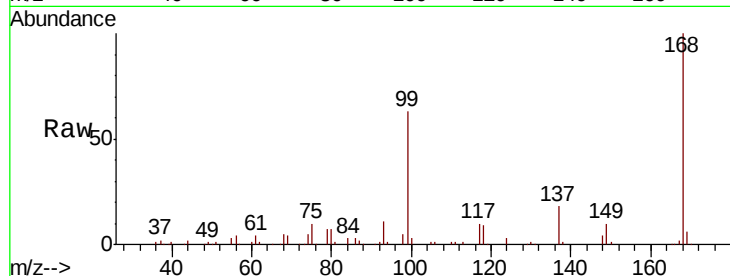
Tot Ion: 56 Resp: 9354

Ion Ratio Lower Upper

56 100

69 124.9 23.8 35.8#

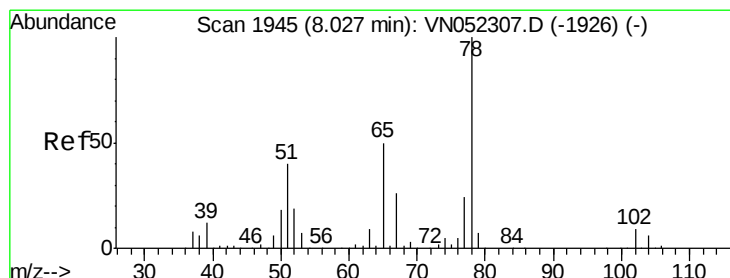
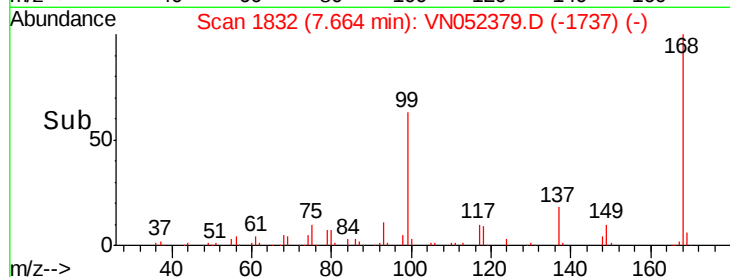
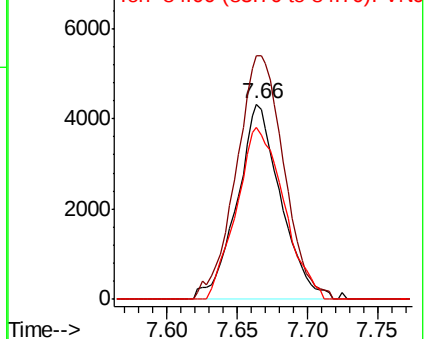
84 88.0 63.0 94.6



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: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052379.D

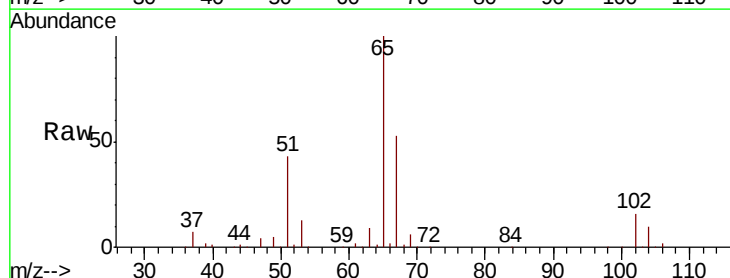
Acq: 19 Nov 2018 12:15

Tgt Ion: 65 Resp: 207611

Ion Ratio Lower Upper

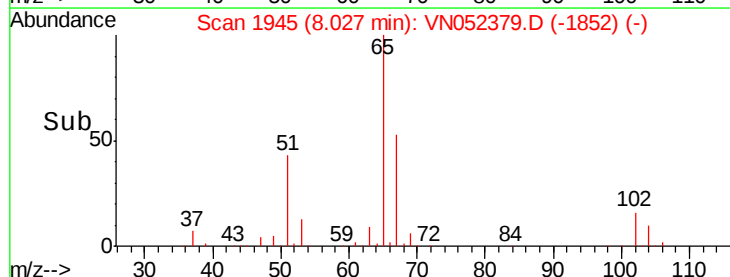
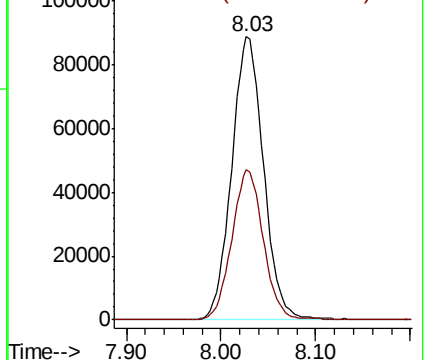
65 100

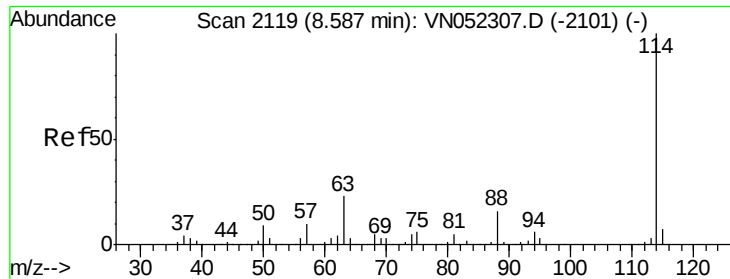
67 52.6 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

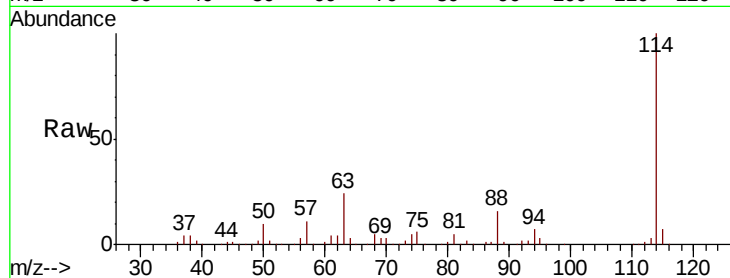




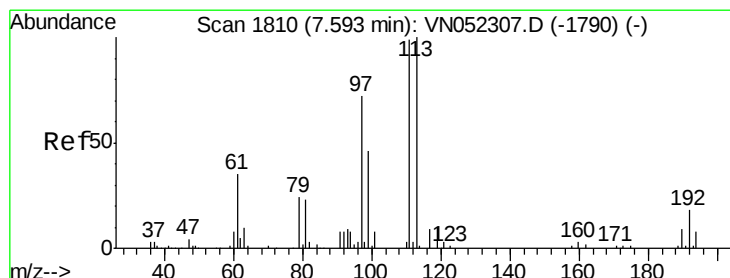
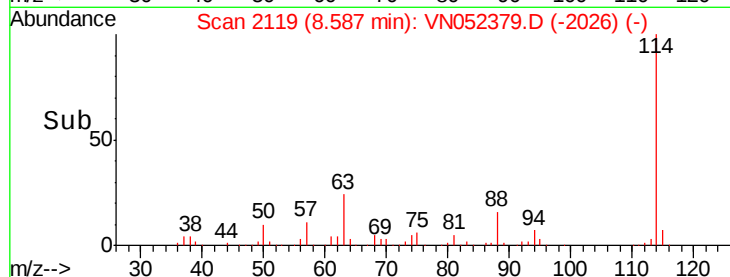
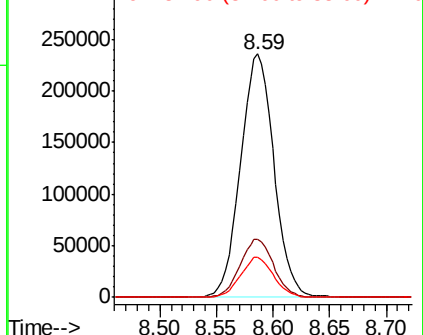
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052379.D
Acq: 19 Nov 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
PB114901TB

Tot Ion:114 Resp: 485455
Ion Ratio Lower Upper
114 100
63 24.1 0.0 45.4
88 16.4 0.0 31.2

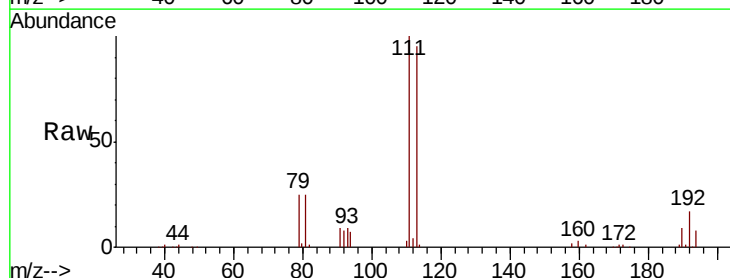


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

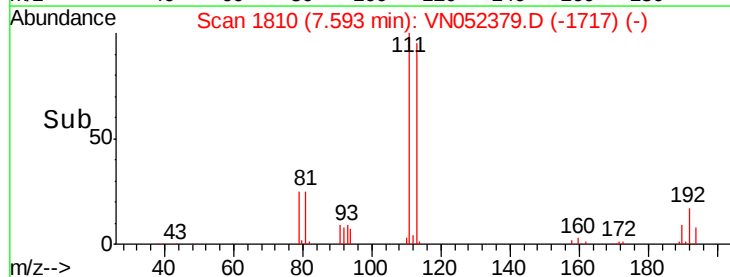
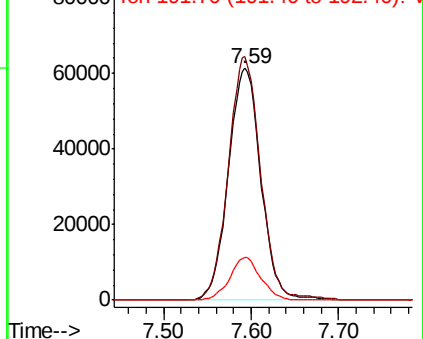


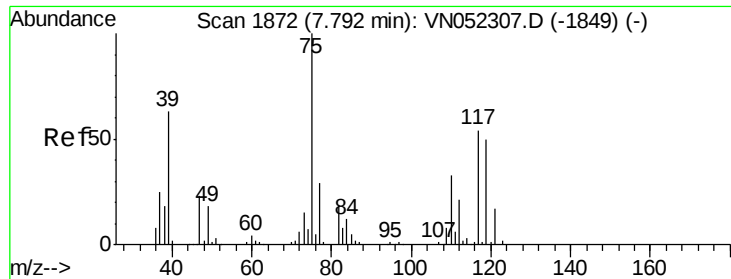
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052379.D
Acq: 19 Nov 2018 12:15

Tgt Ion:113 Resp: 158053
Ion Ratio Lower Upper
113 100
111 104.4 81.0 121.6
192 17.5 13.8 20.6



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: 5.777 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052379.D

Acq: 19 Nov 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

PB114901TB

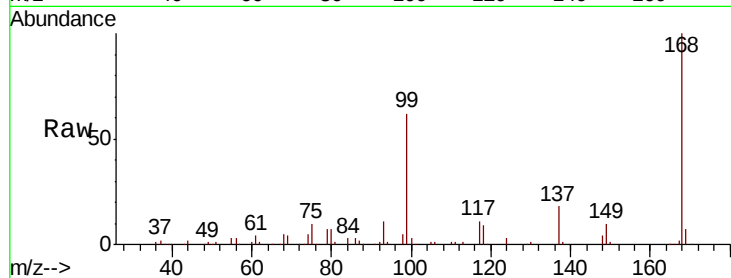
Tot Ion: 75 Resp: 28109

Ion Ratio Lower Upper

75 100

110 9.7 16.5 49.5#

77 0.0 24.2 36.2#

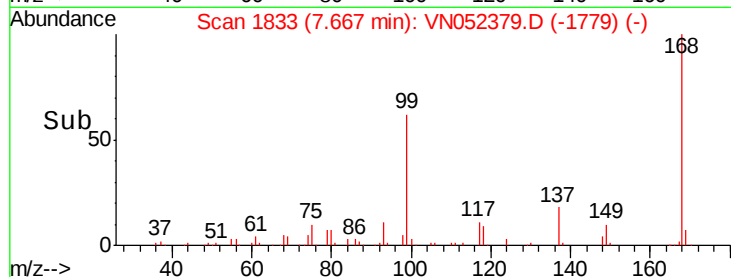


Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN052307.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN052307.D (-1849) (-)

Time-->

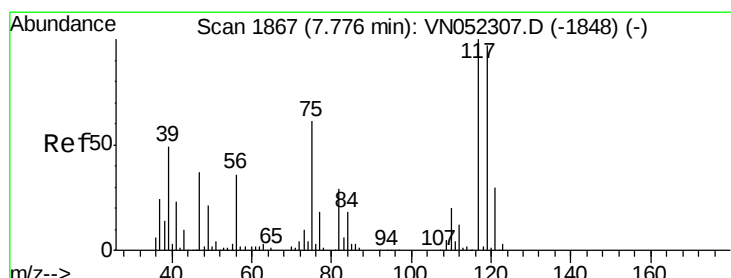


Abundance Ion 74.90 (74.60 to 75.60): VN052379.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN052379.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN052379.D (-1779) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 7.067 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN052379.D

Acq: 19 Nov 2018 12:15

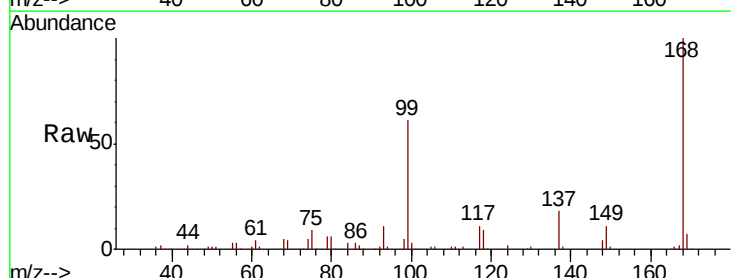
Tgt Ion: 117 Resp: 31591

Ion Ratio Lower Upper

117 100

119 4.0 77.4 116.0#

121 0.0 24.0 36.0#

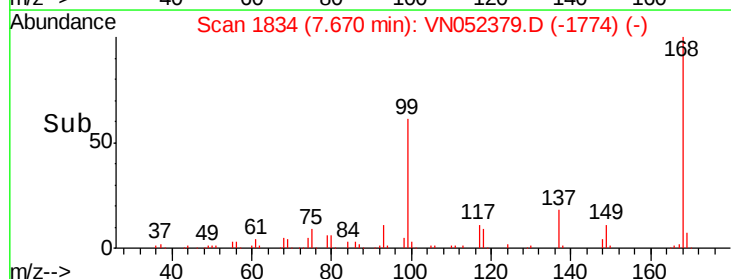


Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN052307.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN052307.D (-1848) (-)

Time-->

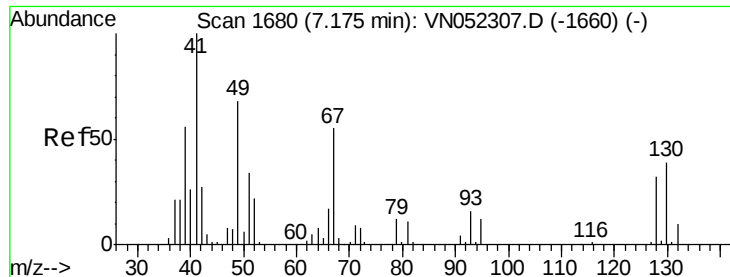


Abundance Ion 116.80 (116.50 to 117.50): VN052379.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052379.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052379.D (-1774) (-)

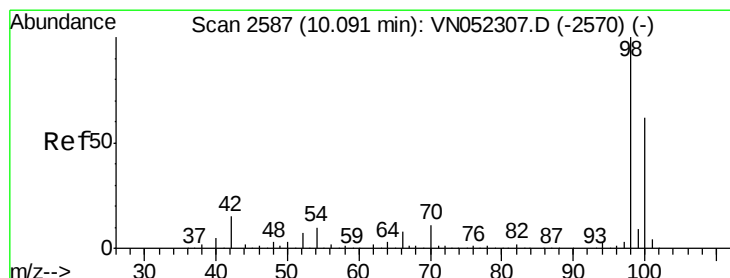
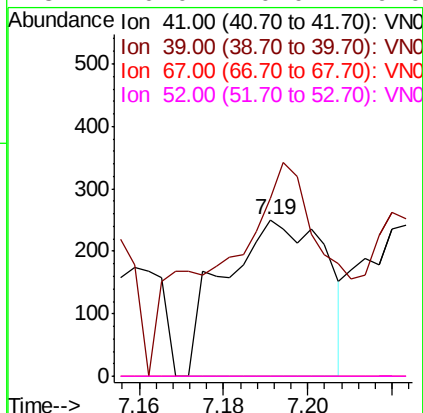
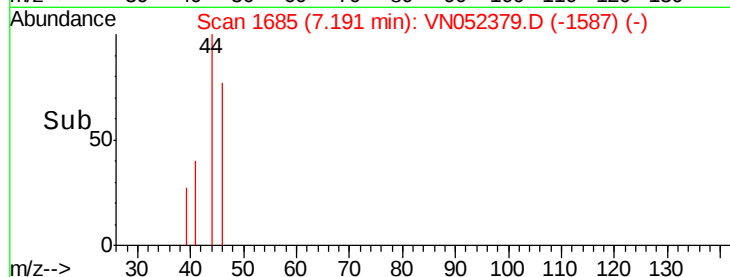
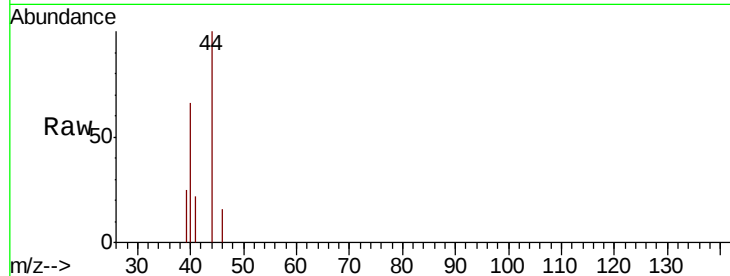
Time-->



#41
Methacrylonitrile
Concen: 3.894 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.02 min
Lab File: VN052379.D
Acq: 19 Nov 2018 12:15

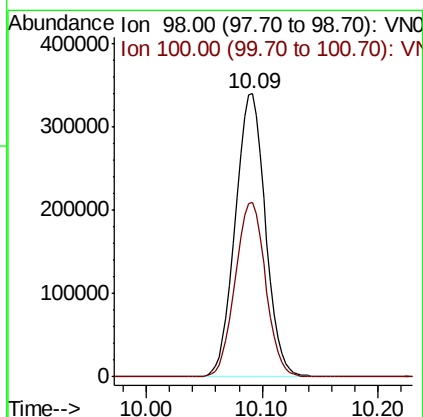
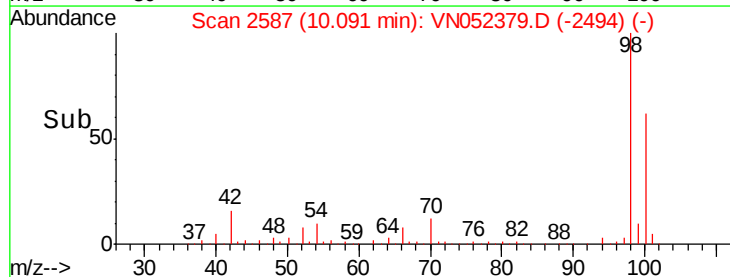
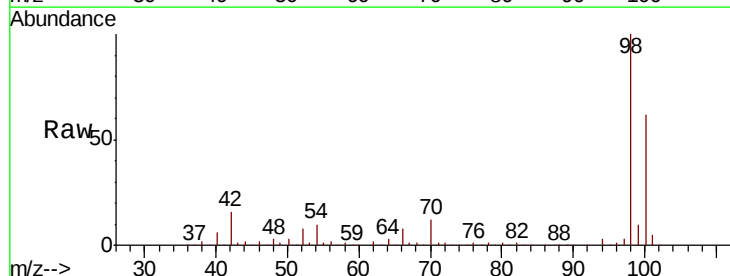
Instrument :
MSVOA_N
ClientSampled :
PB114901TB

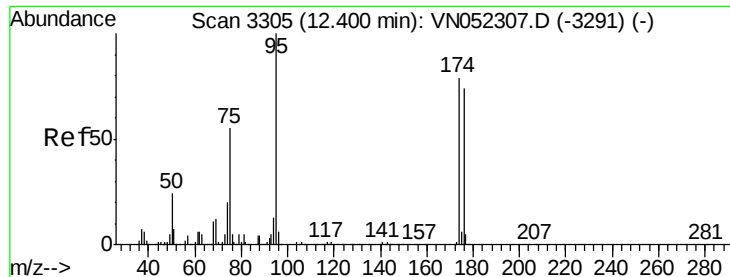
Tot Ion:	41	Resp:	421
Ion	Ratio	Lower	Upper
41	100		
39	144.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052379.D
Acq: 19 Nov 2018 12:15

Tgt Ion:	98	Resp:	611489
Ion	Ratio	Lower	Upper
98	100		
100	62.2	49.5	74.3

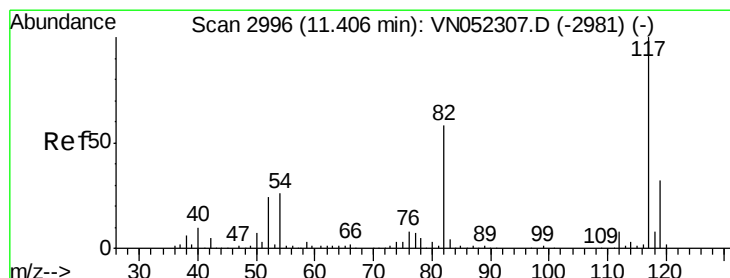
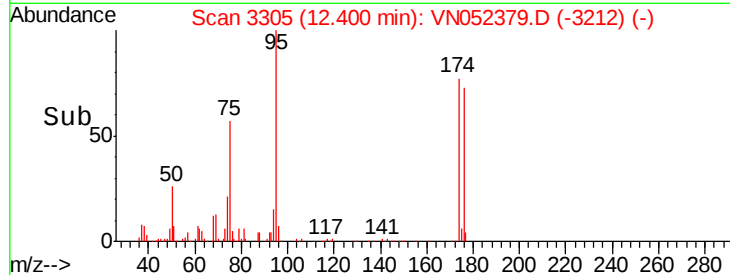
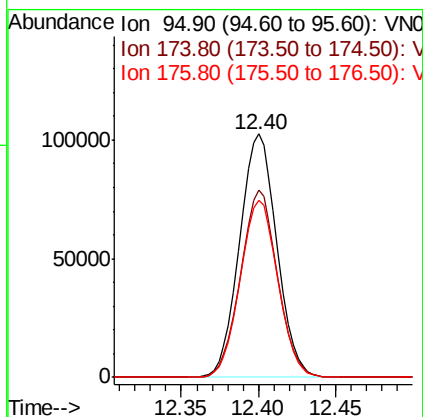
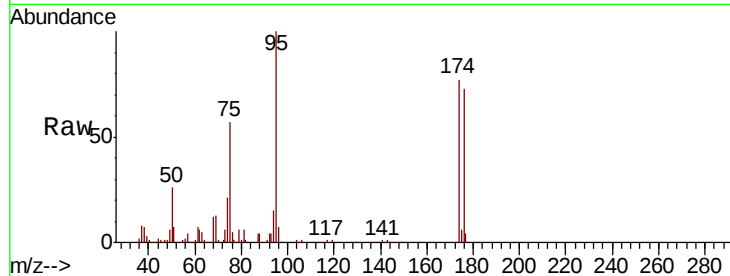




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052379.D
Acq: 19 Nov 2018 12:15

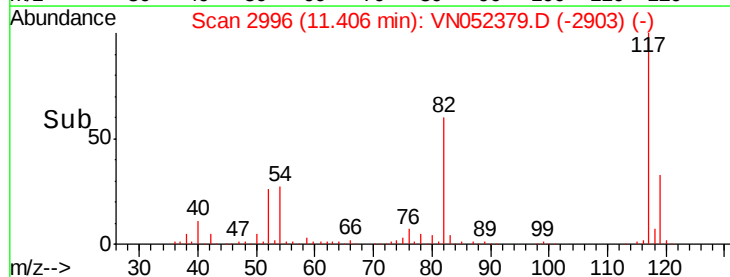
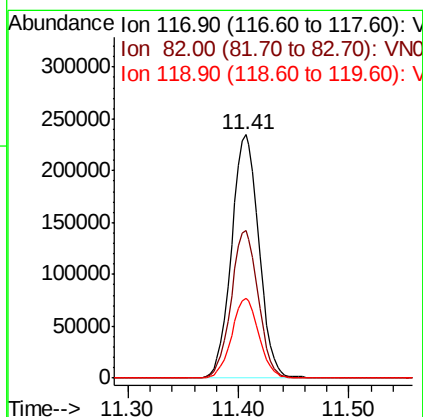
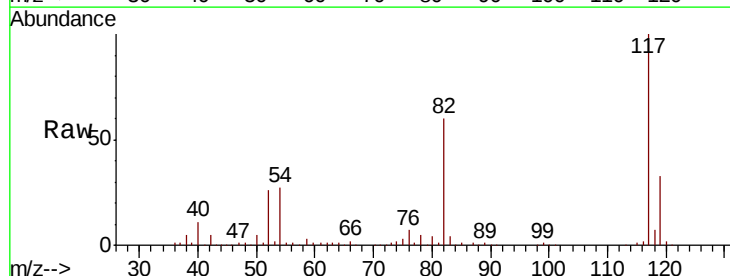
Instrument :
MSVOA_N
ClientSampleId :
PB114901TB

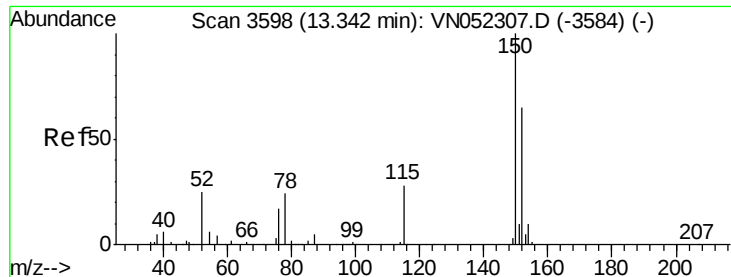
Tot Ion: 95 Resp: 172198
Ion Ratio Lower Upper
95 100
174 76.2 0.0 156.0
176 73.4 0.0 148.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052379.D
Acq: 19 Nov 2018 12:15

Tgt Ion: 117 Resp: 403872
Ion Ratio Lower Upper
117 100
82 60.5 46.5 69.7
119 32.9 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052379.D

Acq: 19 Nov 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

PB114901TB

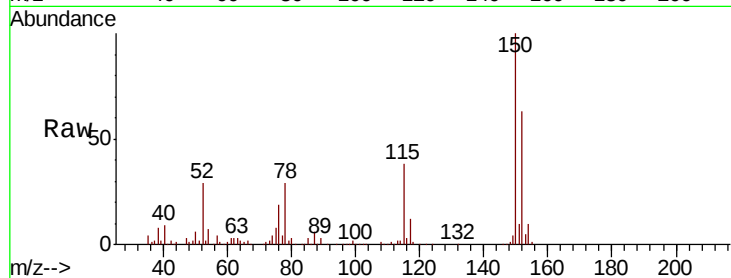
Tot Ion:152 Resp: 131561

Ion Ratio Lower Upper

152 100

115 60.6 30.3 91.0

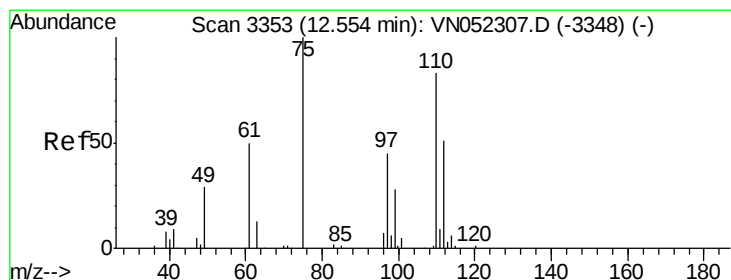
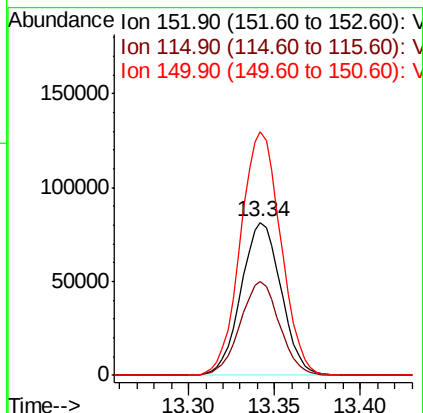
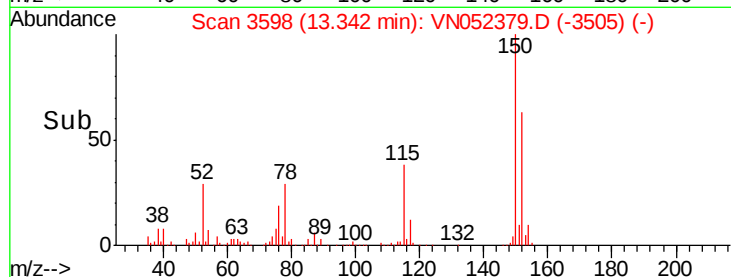
150 160.8 0.0 348.2



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



#76

1,2,3-Trichloropropane

Concen: 43.726 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052379.D

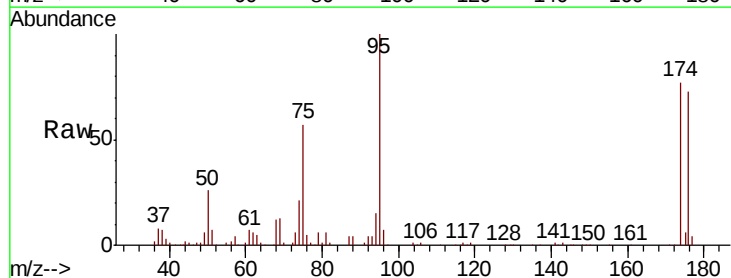
Acq: 19 Nov 2018 12:15

Tgt Ion: 75 Resp: 97611

Ion Ratio Lower Upper

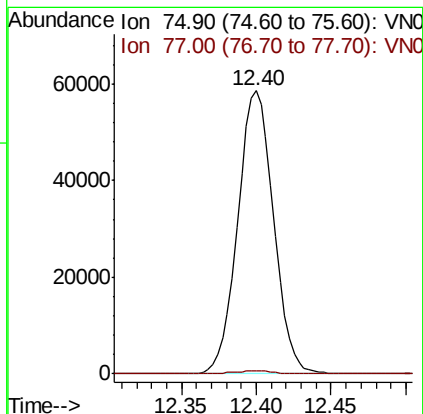
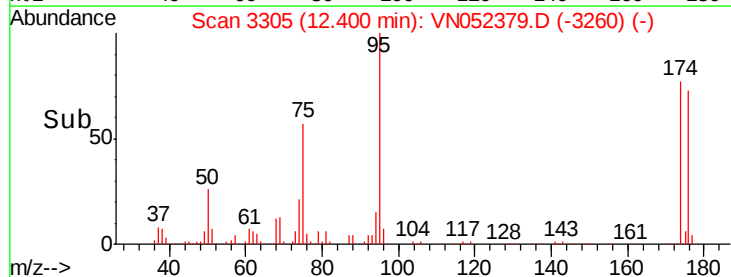
75 100

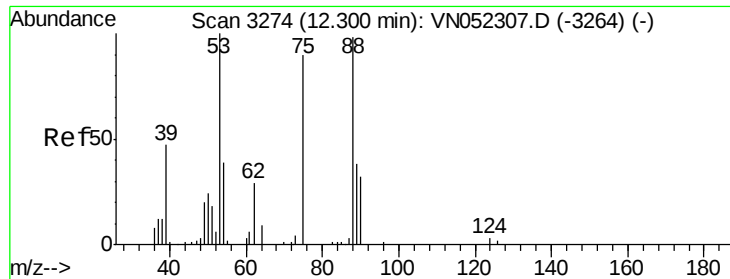
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 141.820 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052379.D

Acq: 19 Nov 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

PB114901TB

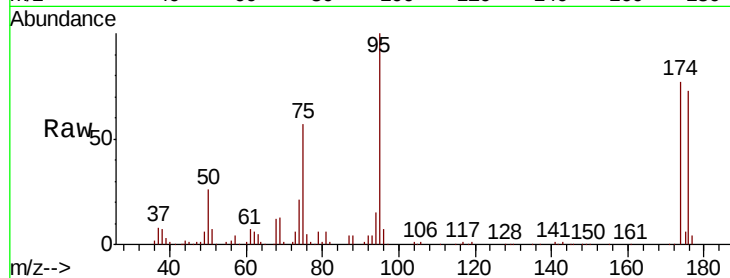
Tot Ion: 75 Resp: 97611

Ion Ratio Lower Upper

75 100

53 0.0 90.2 135.2#

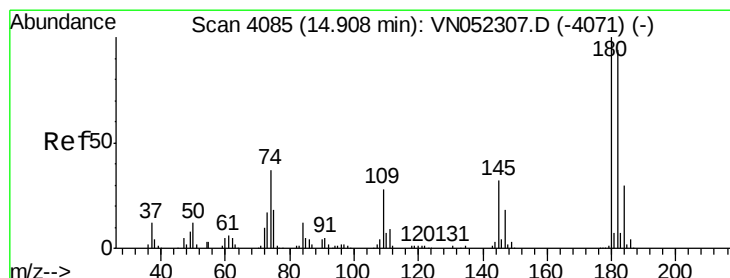
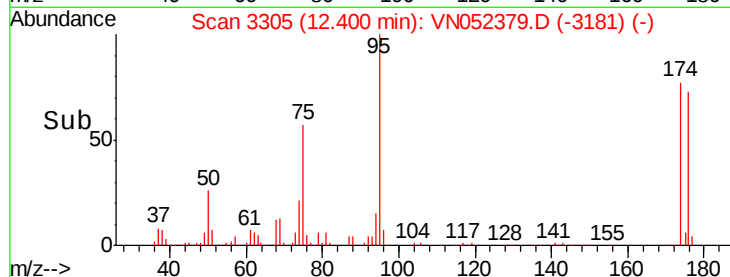
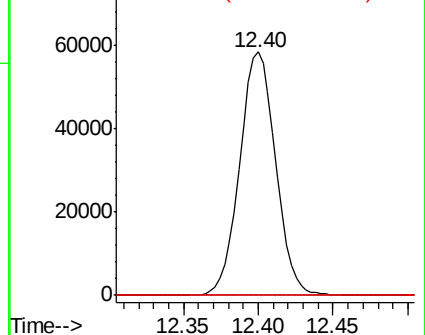
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052307.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052307.D (-3264) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.730 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN052379.D

Acq: 19 Nov 2018 12:15

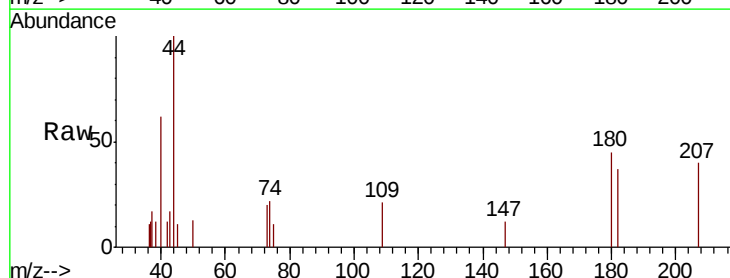
Tgt Ion:180 Resp: 977

Ion Ratio Lower Upper

180 100

182 0.0 47.6 142.9#

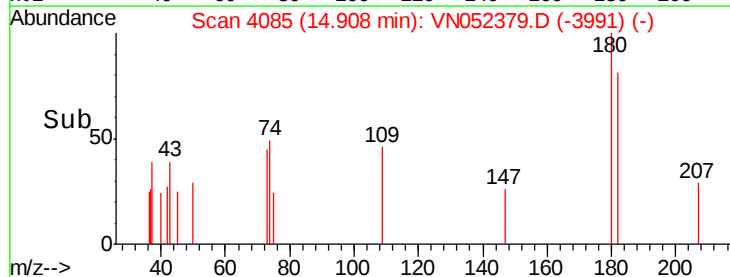
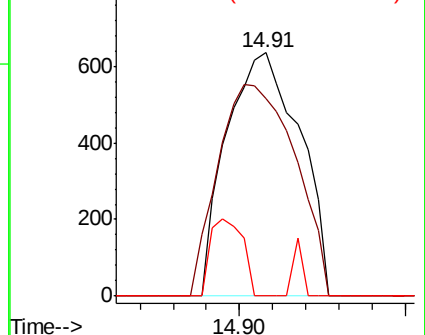
145 3.1 15.5 46.5#

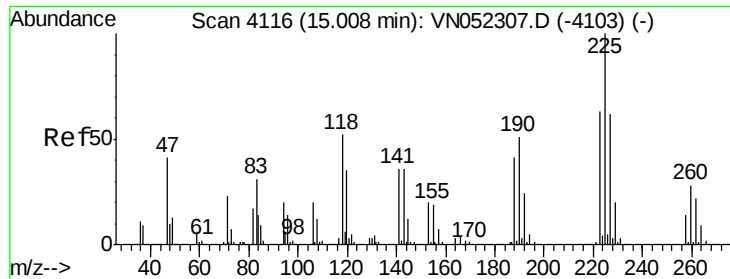


Abundance Ion 179.80 (179.50 to 180.50): VN052307.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN052307.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN052307.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: 0.304 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN052379.D

Acq: 19 Nov 2018 12:15

Instrument :

MSVOA_N

ClientSampled :

PB114901TB

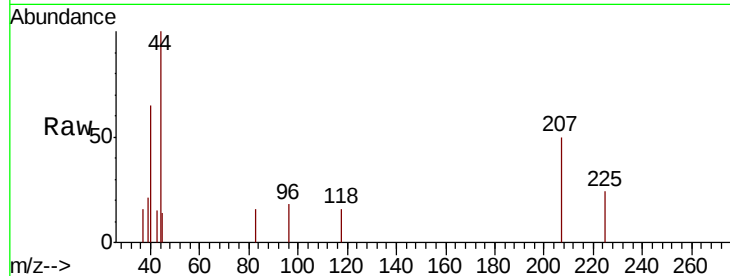
Tot Ion:225 Resp: 295

Ion Ratio Lower Upper

225 100

223 0.0 31.9 95.5#

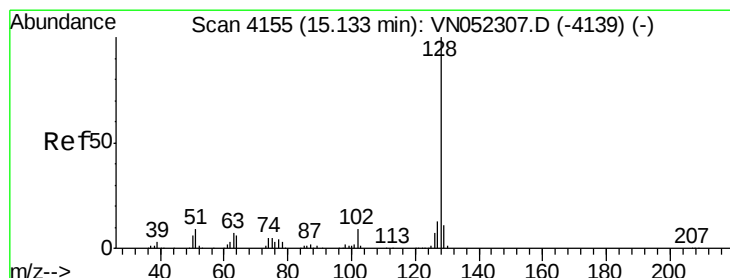
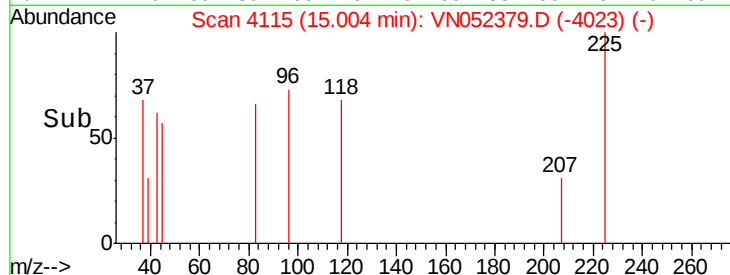
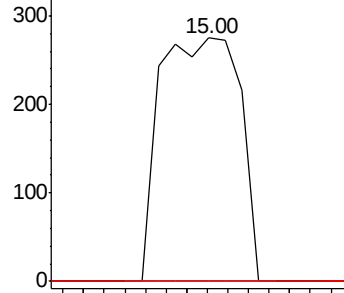
227 0.0 31.6 95.0#



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: 3.153 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN052379.D

Acq: 19 Nov 2018 12:15

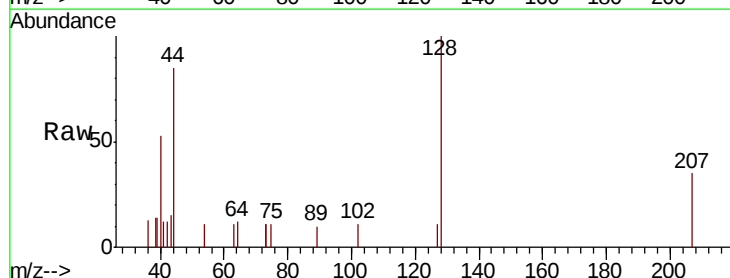
Tgt Ion:128 Resp: 2693

Ion Ratio Lower Upper

128 100

127 4.7 10.4 15.6#

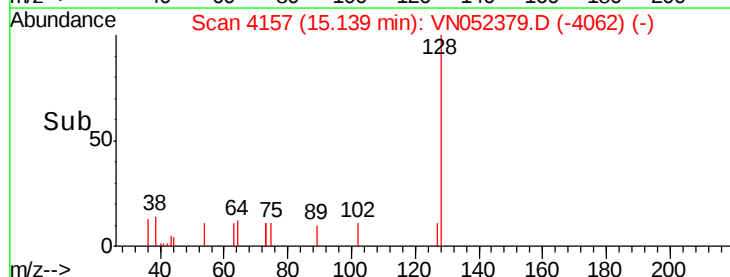
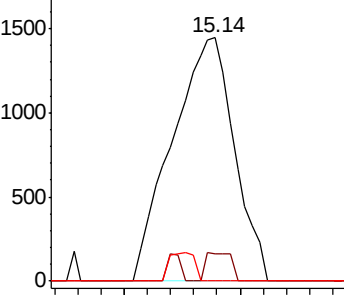
129 0.0 8.6 13.0#

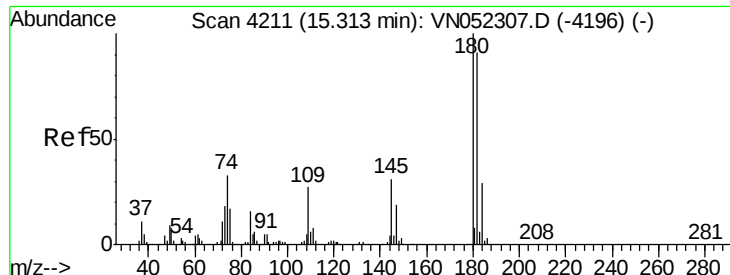


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.736 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN052379.D
 Acq: 19 Nov 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114901TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.1	46.5	139.3
145	28.6	16.4	49.2

