

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121118\
 Data File : VN052809.D
 Acq On : 11 Dec 2018 18:22
 Operator : MD\SY
 Sample : PB115504ZHE#14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115504ZHE#14

Quant Time: Dec 12 00:30:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1162474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1818856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1647804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	699743	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	616516	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
35) Dibromofluoromethane	7.59	113	516102	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	
50) Toluene-d8	10.09	98	2232556	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.40	95	738193	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	

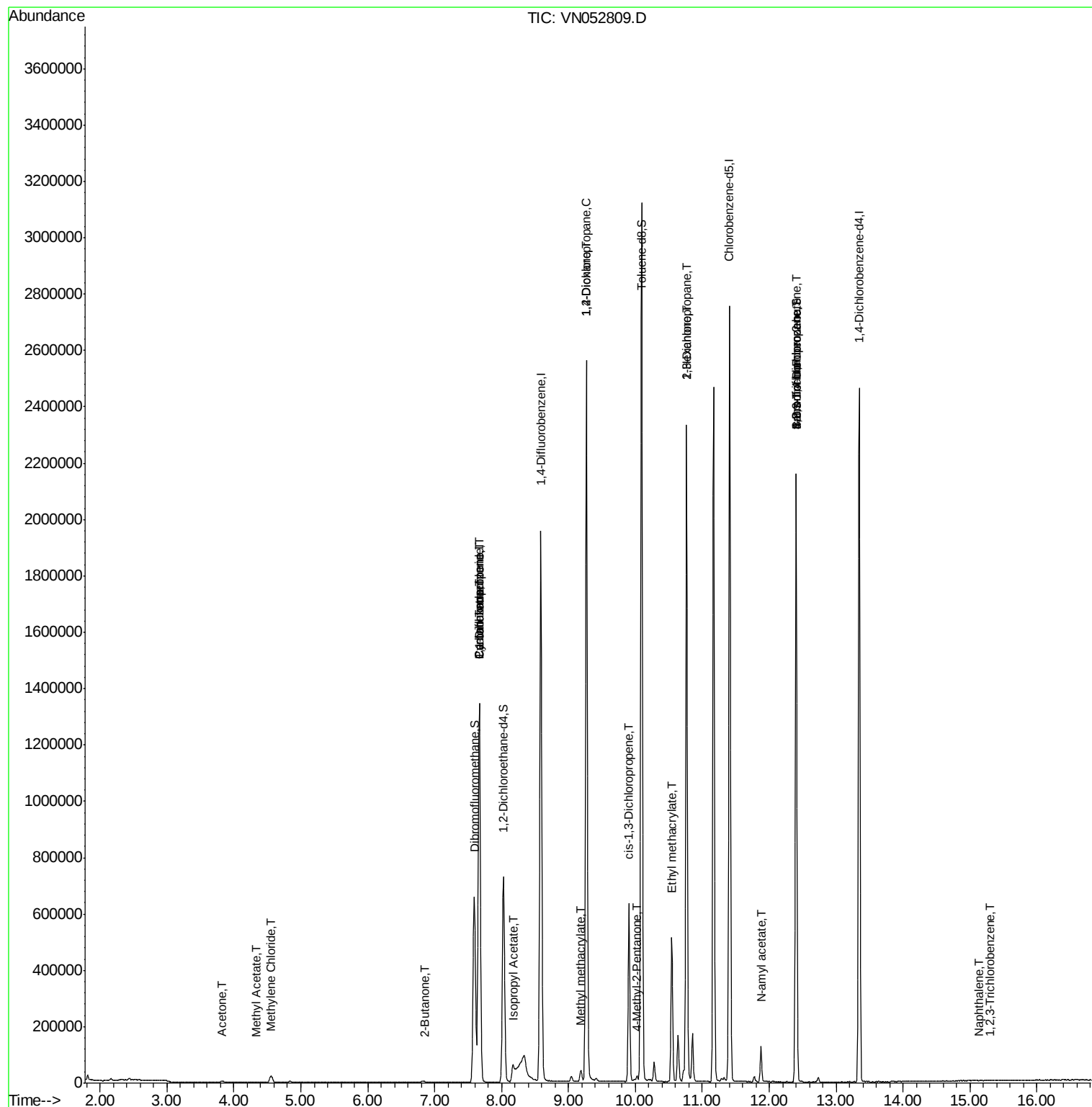
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	11564	3.464	ug/l	99
18) Methyl Acetate	4.33	43	4747	0.496	ug/l #	73
20) Methylene Chloride	4.55	84	17916	1.371	ug/l	95
25) 2-Butanone	6.85	43	1206	0.255	ug/l #	78
31) Cyclohexane	7.66	56	19633	0.540	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	79726	4.642	ug/l #	50
38) Carbon Tetrachloride	7.67	117	101871	6.552	ug/l #	16
43) Isopropyl Acetate	8.17	43	81162	4.575	ug/l #	71
45) 1,2-Dichloropropane	9.26	63	3355	0.247	ug/l #	43
48) Methyl methacrylate	9.18	41	13128	1.419	ug/l #	13
49) 1,4-Dioxane	9.26	88	241	2.510	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	17189	1.727	ug/l #	36
54) cis-1,3-Dichloropropene	9.90	75	118118	6.255	ug/l #	62
56) Ethyl methacrylate	10.55	69	1912	2.815	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	23944	1.268	ug/l #	43
59) 2-Hexanone	10.76	43	331513	49.628	ug/l #	51
71) Bromoform	12.40	173	4826	0.617	ug/l #	1
74) N-amyl acetate	11.88	43	39341	2.836	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	352059	32.627	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	352059	108.959	ug/l #	11
95) Naphthalene	15.14	128	241	3.437	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	58	2.732	ug/l #	12

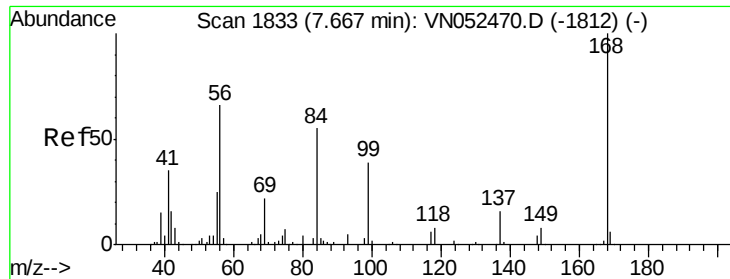
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121118\
Data File : VN052809.D
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Quant Time: Dec 12 00:30:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
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: VN052809.D

Acq: 11 Dec 2018 18:22

Instrument :

MSVOA_N

ClientSampleId :

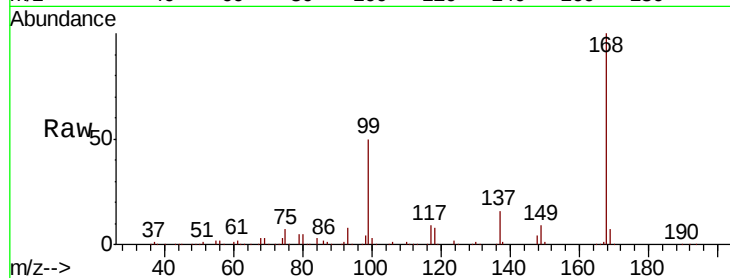
PB115504ZHE#14

Tot Ion:168 Resp: 1162474

Ion Ratio Lower Upper

168 100

99 49.9 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052470.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1812) (-)

7.67

500000

400000

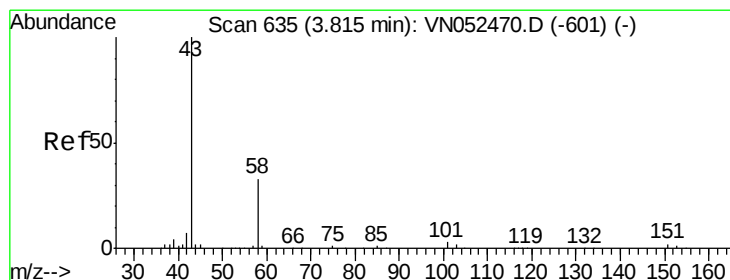
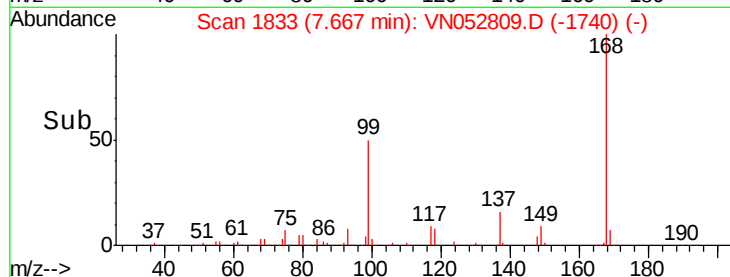
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 3.464 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052809.D

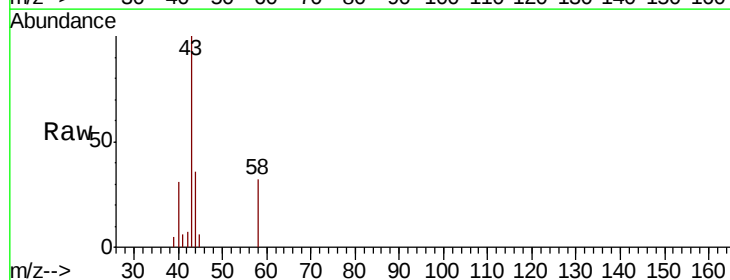
Acq: 11 Dec 2018 18:22

Tgt Ion: 43 Resp: 11564

Ion Ratio Lower Upper

43 100

58 31.7 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-601) (-)

3.82

4000

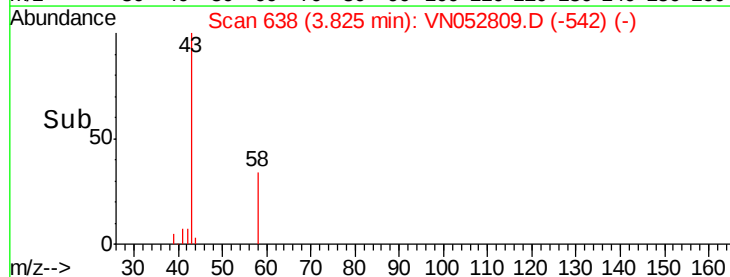
3000

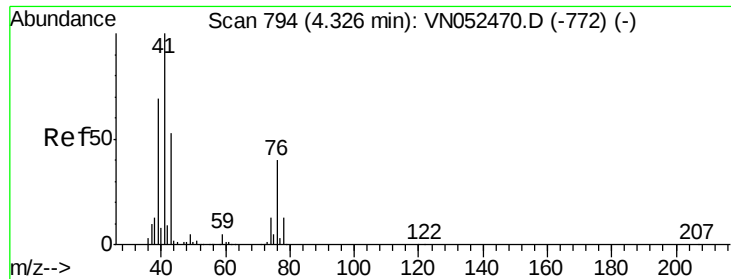
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1000

0

Time-->

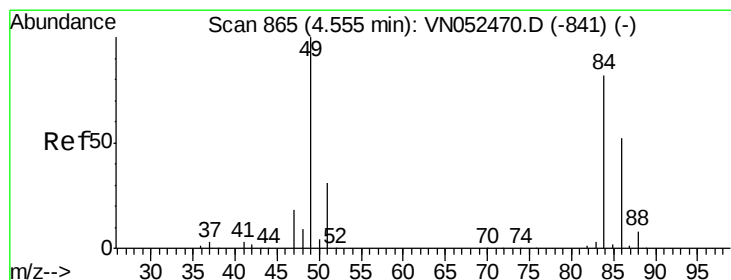
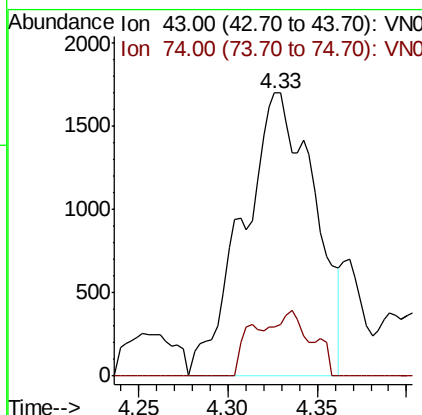
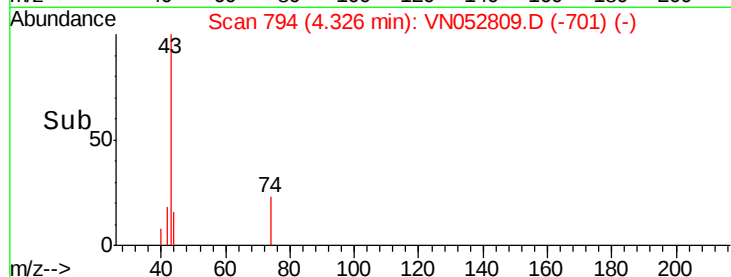
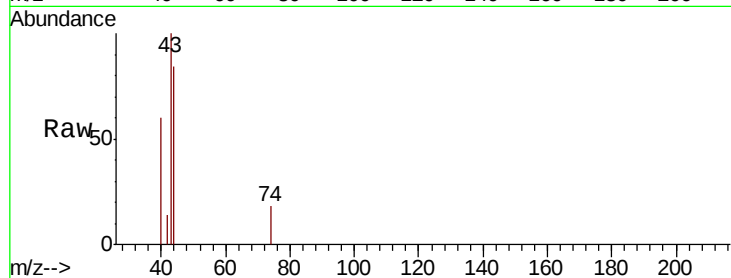




#18
Methyl Acetate
Concen: 0.496 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052809.D
Acq: 11 Dec 2018 18:22

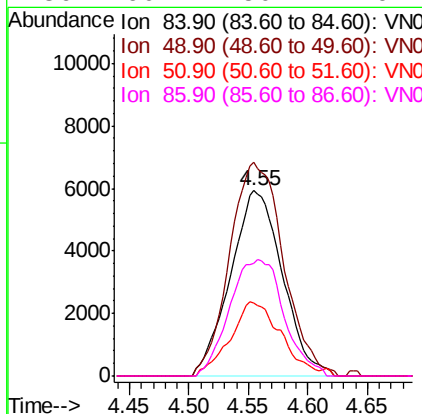
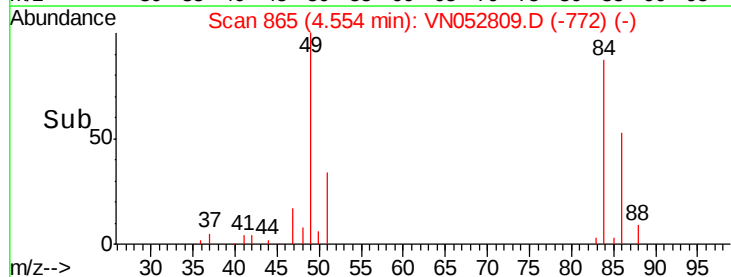
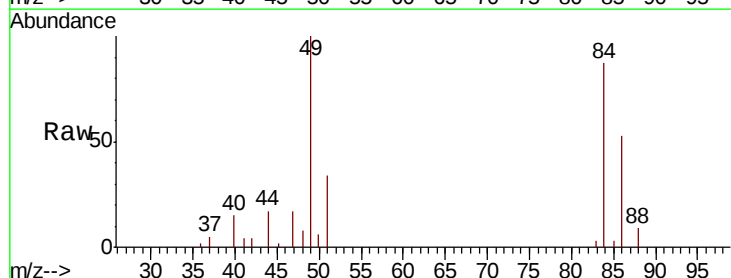
Instrument :
MSVOA_N
ClientSampleId :
PB115504ZHE#14

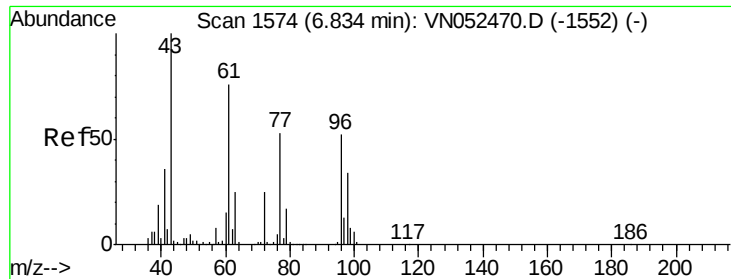
Tot Ion: 43 Resp: 4747
Ion Ratio Lower Upper
43 100
74 10.0 18.6 27.8#



#20
Methylene Chloride
Concen: 1.371 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052809.D
Acq: 11 Dec 2018 18:22

Tgt Ion: 84 Resp: 17916
Ion Ratio Lower Upper
84 100
49 115.2 98.0 147.0
51 39.6 30.1 45.1
86 60.7 50.7 76.1

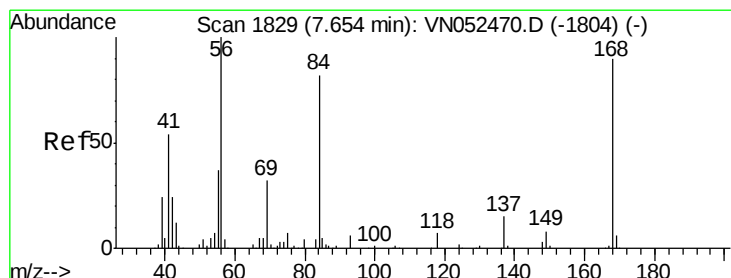
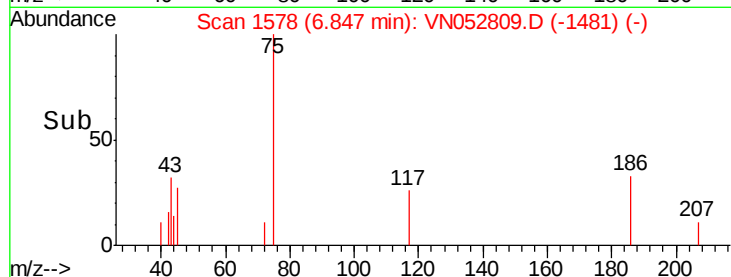
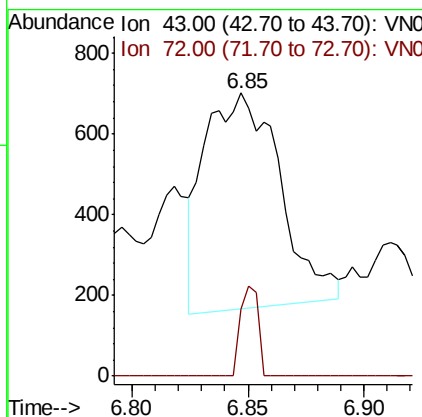
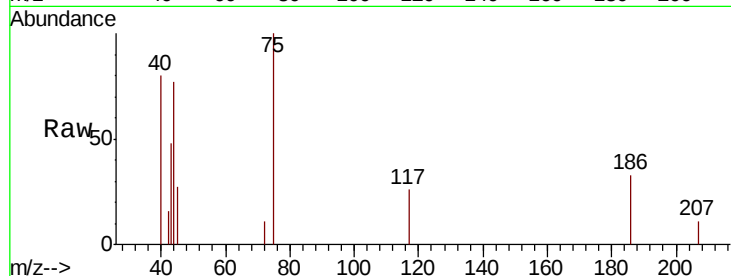




#25
2-Butanone
Concen: 0.255 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN052809.D
Acq: 11 Dec 2018 18:22

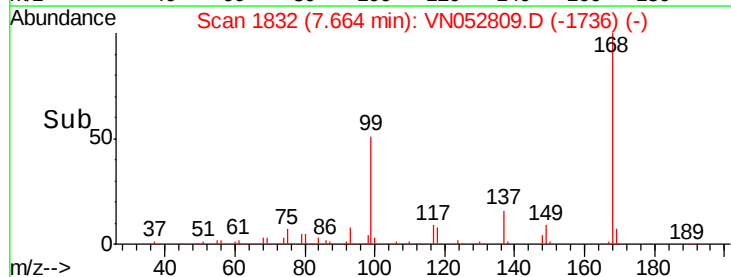
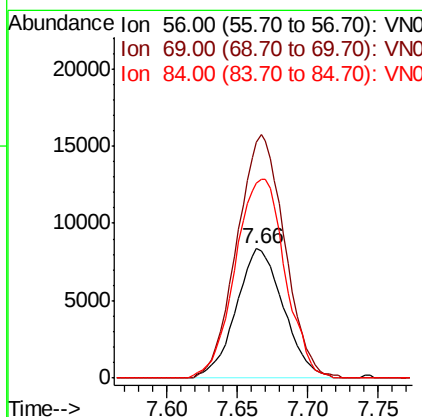
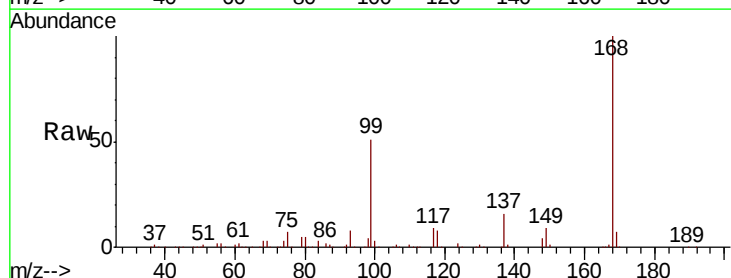
Instrument :
MSVOA_N
ClientSampleId :
PB115504ZHE#14

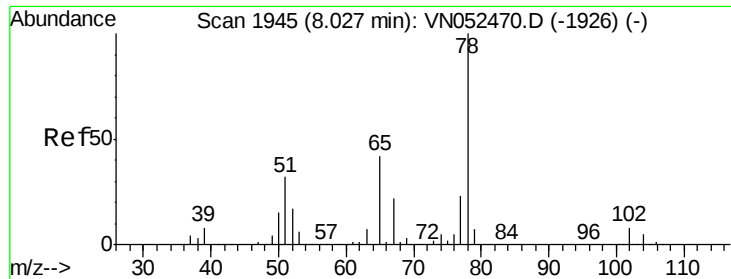
Tot Ion: 43 Resp: 1206
Ion Ratio Lower Upper
43 100
72 36.1 20.1 30.1#



#31
Cyclohexane
Concen: 0.540 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052809.D
Acq: 11 Dec 2018 18:22

Tgt Ion: 56 Resp: 19633
Ion Ratio Lower Upper
56 100
69 183.2 25.8 38.6#
84 151.1 65.3 97.9#

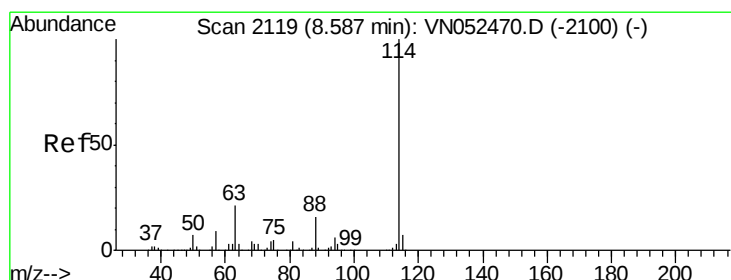
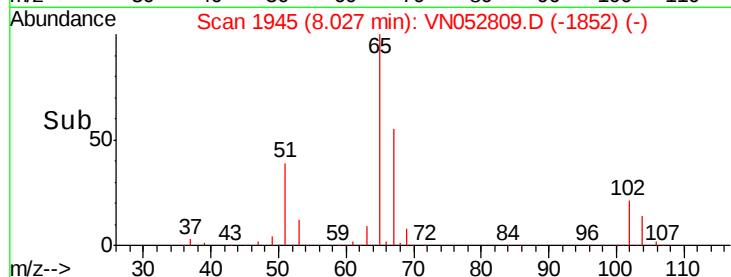
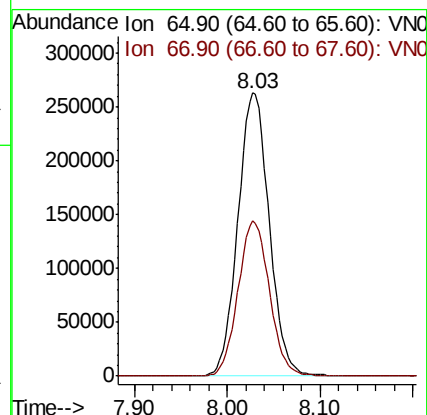
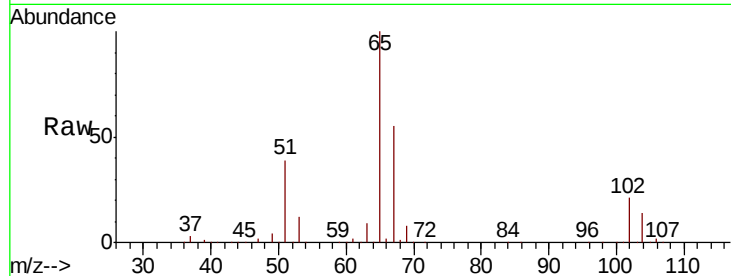




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052809.D
 Acq: 11 Dec 2018 18:22

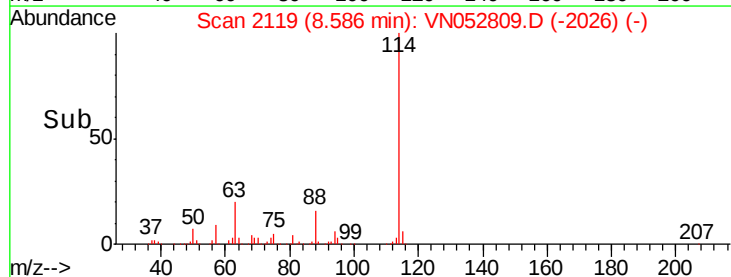
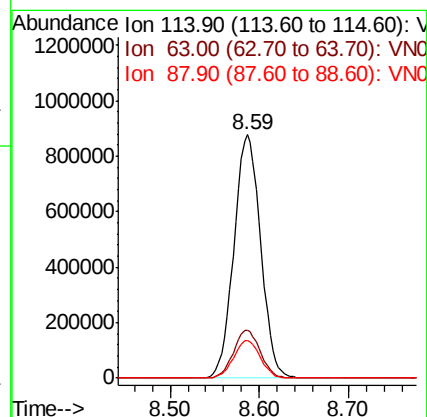
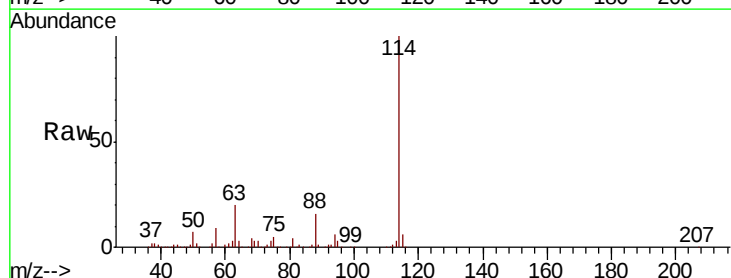
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115504ZHE#14

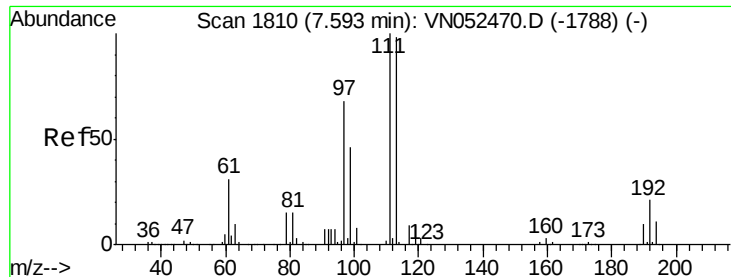
Tot Ion: 65 Resp: 616516
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052809.D
 Acq: 11 Dec 2018 18:22

Tgt Ion: 114 Resp: 1818856
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.8
 88 15.6 0.0 31.6

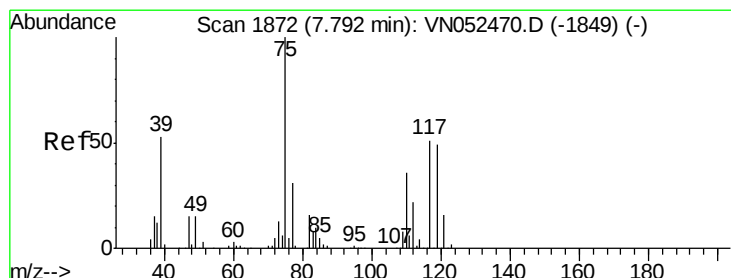
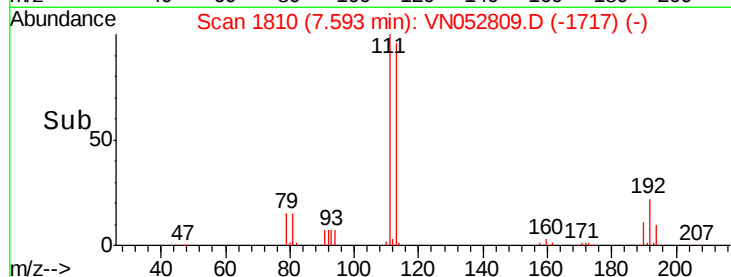
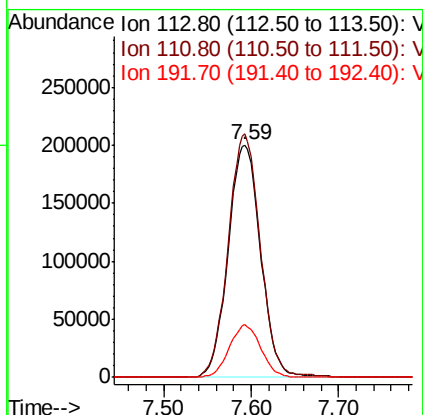
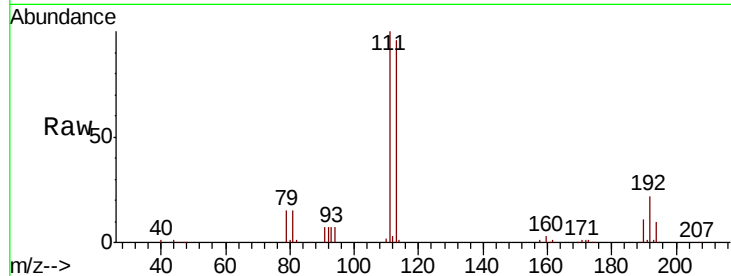




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052809.D
 Acq: 11 Dec 2018 18:22

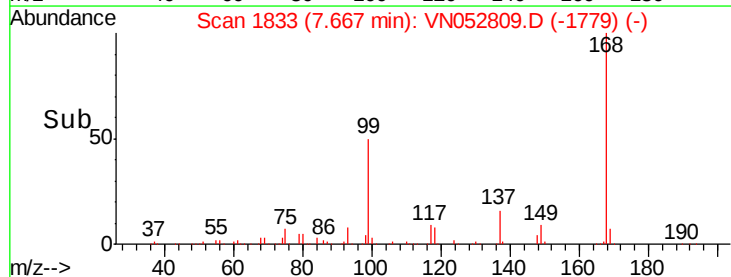
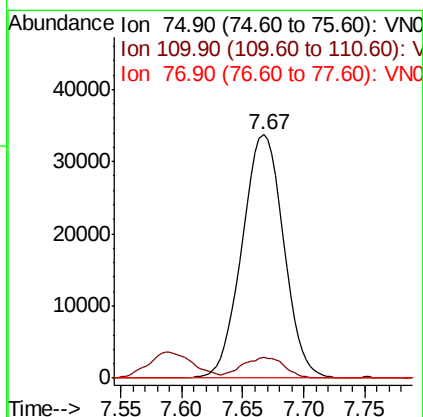
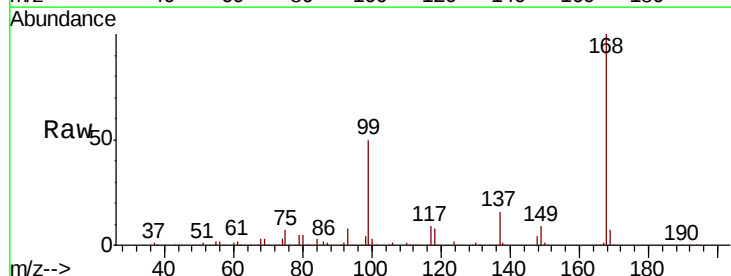
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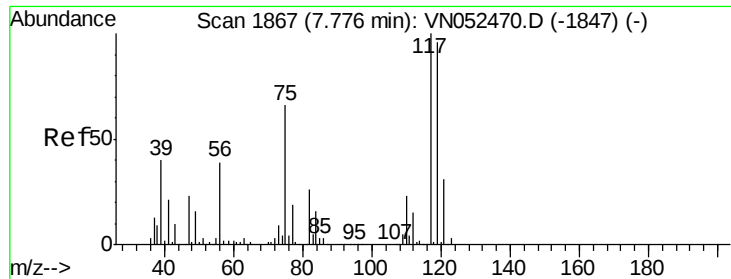
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.0	123.0
192	22.1	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 4.642 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052809.D
 Acq: 11 Dec 2018 18:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.5	52.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.552 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052809.D

Acq: 11 Dec 2018 18:22

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#14

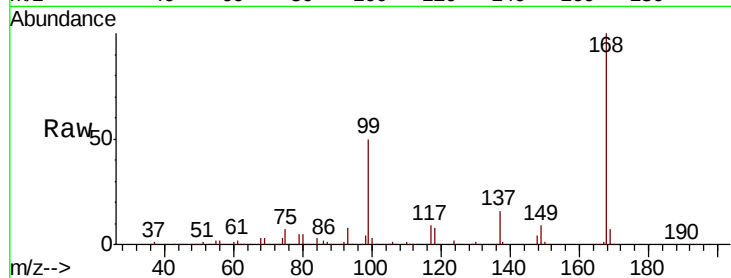
Tot Ion:117 Resp: 101871

Ion Ratio Lower Upper

117 100

119 4.9 76.8 115.2#

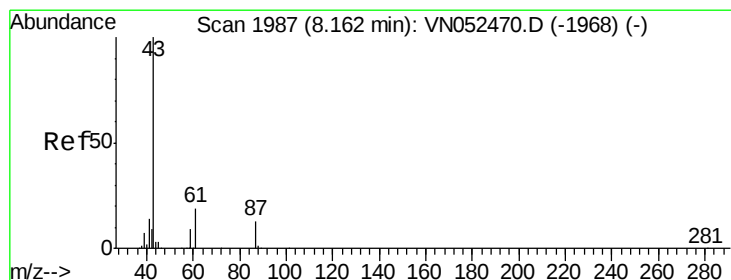
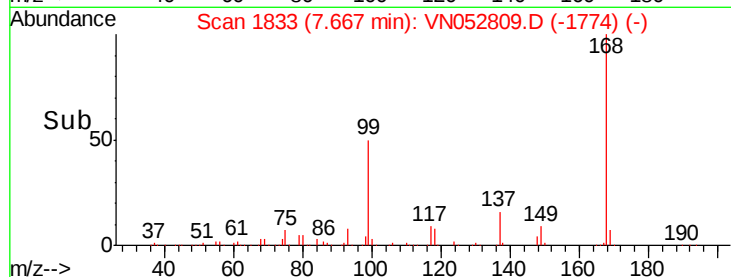
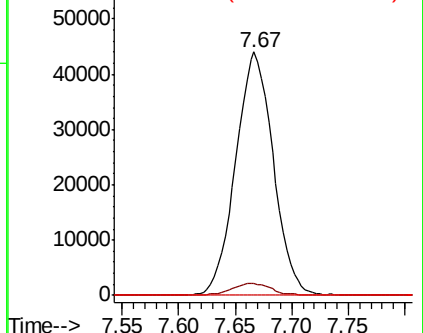
121 0.0 24.9 37.3#



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



#43

Isopropyl Acetate

Concen: 4.575 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052809.D

Acq: 11 Dec 2018 18:22

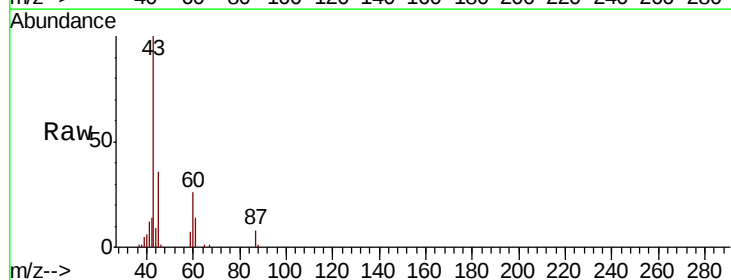
Tgt Ion: 43 Resp: 81162

Ion Ratio Lower Upper

43 100

61 11.5 24.1 36.1#

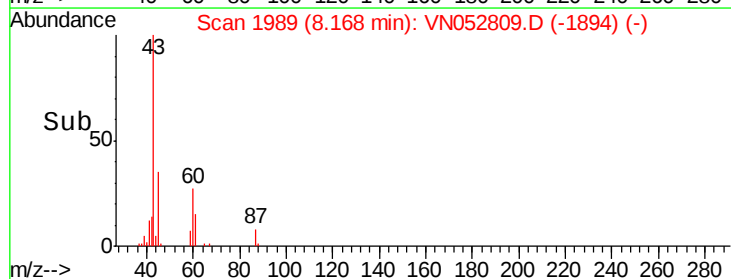
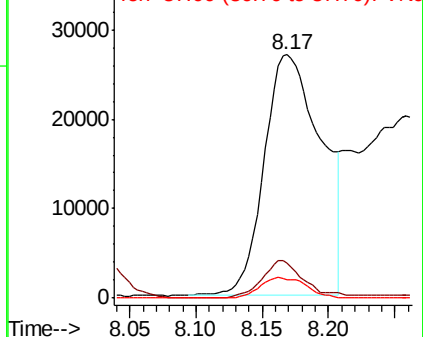
87 6.9 10.6 15.8#

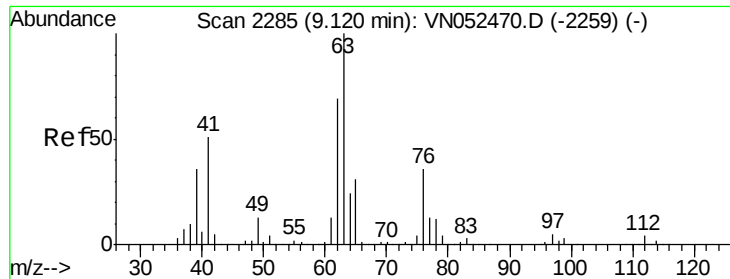


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

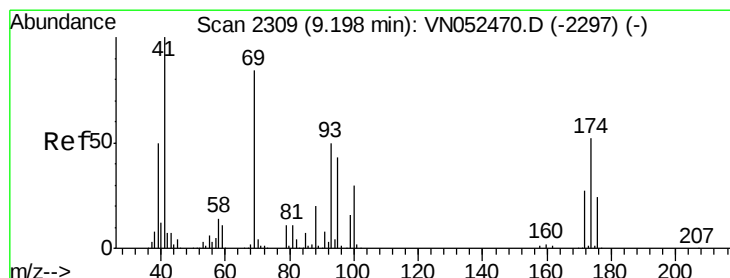
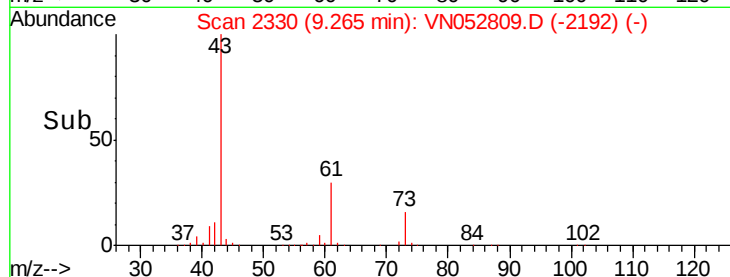
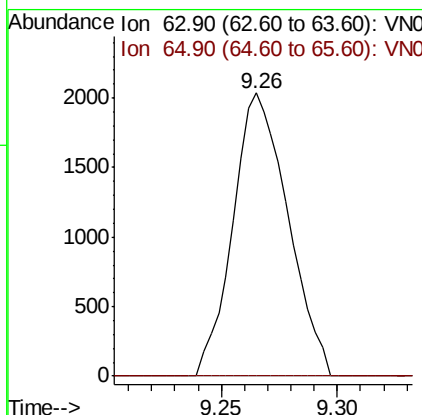
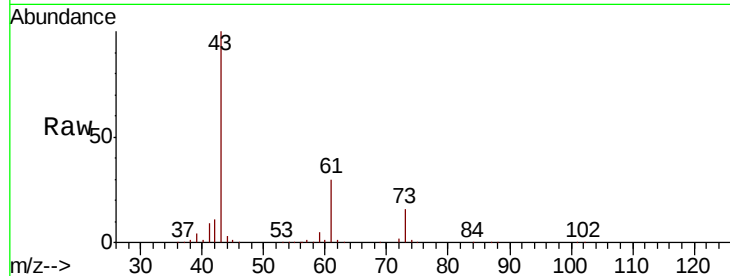




#45
 1,2-Dichloropropane
 Concen: 0.247 ug/l
 RT: 9.26 min Scan# 2330
 Delta R.T. 0.14 min
 Lab File: VN052809.D
 Acq: 11 Dec 2018 18:22

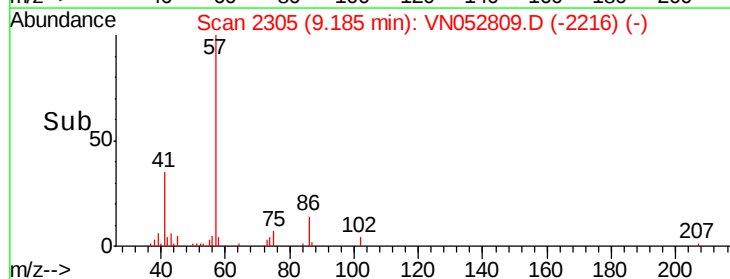
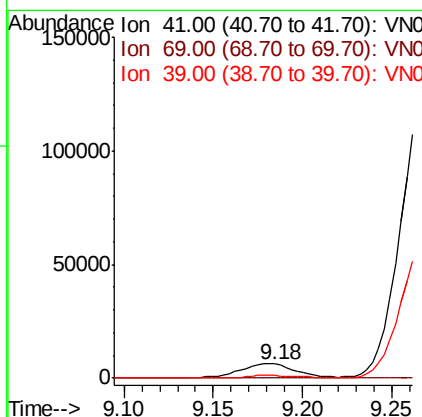
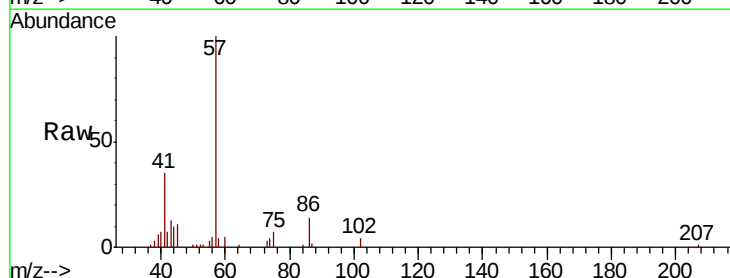
Instrument :
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 ClientSampleId :
 PB115504ZHE#14

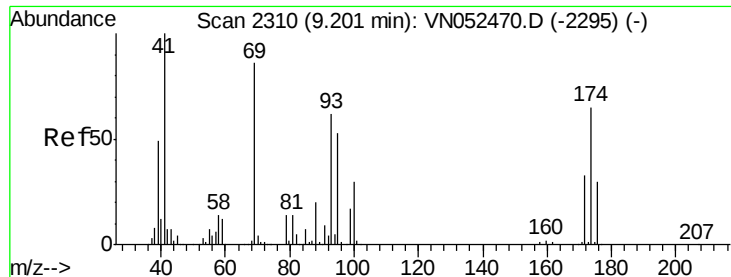
Tot Ion: 63 Resp: 3355
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 1.419 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: VN052809.D
 Acq: 11 Dec 2018 18:22

Tgt Ion: 41 Resp: 13128
 Ion Ratio Lower Upper
 41 100
 69 0.0 70.0 105.0#
 39 0.0 42.6 64.0#





#49

1,4-Dioxane

Concen: 2.510 ug/l

RT: 9.26 min Scan# 2330

Delta R.T. 0.06 min

Lab File: VN052809.D

Acq: 11 Dec 2018 18:22

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#14

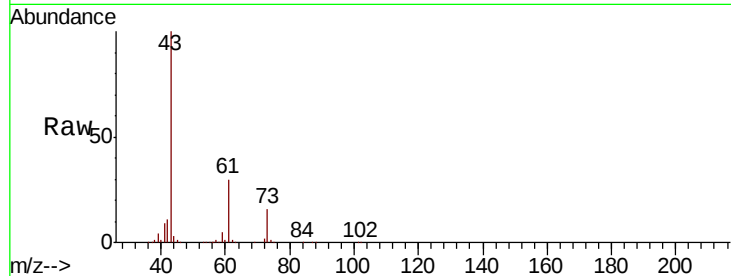
Tot Ion: 88 Resp: 241

Ion Ratio Lower Upper

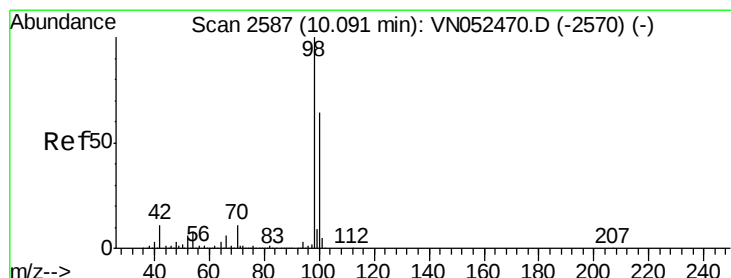
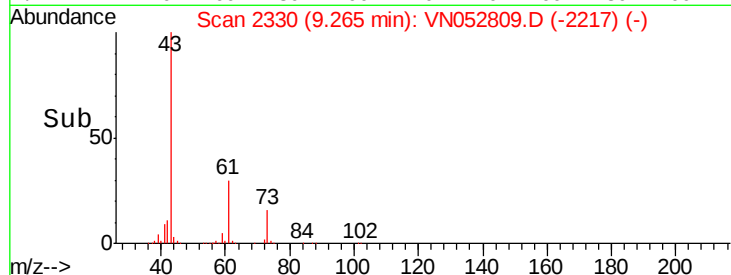
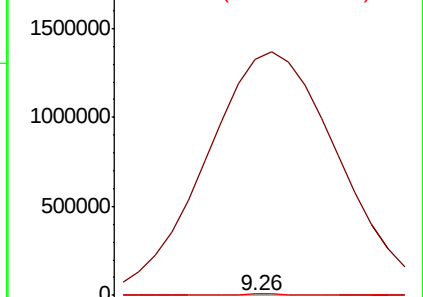
88 100

43 1037449.4 26.4 39.6#

58 4938.2 55.4 83.0#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO



#50

Toluene-d8

Concen: 2.510 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052809.D

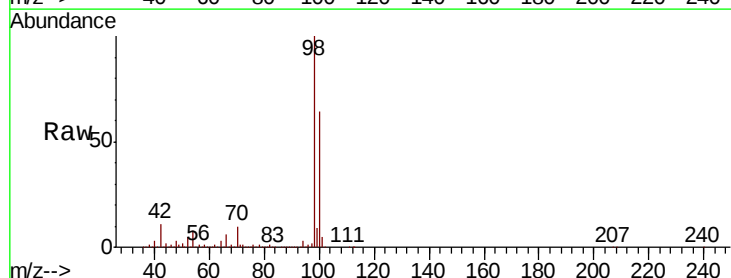
Acq: 11 Dec 2018 18:22

Tgt Ion: 98 Resp: 2232556

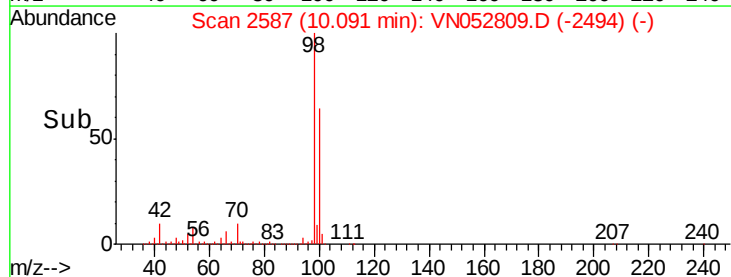
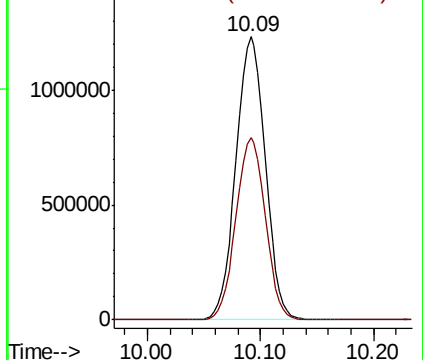
Ion Ratio Lower Upper

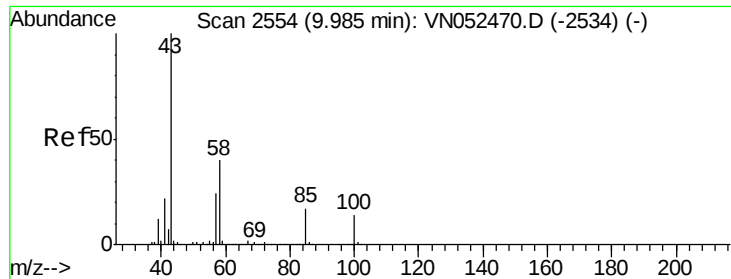
98 100

100 64.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VNO
Ion 100.00 (99.70 to 100.70): VNO





#51

4-Methyl-2-Pentanone

Concen: 1.727 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052809.D

Acq: 11 Dec 2018 18:22

Instrument :

MSVOA_N

ClientSampleId :

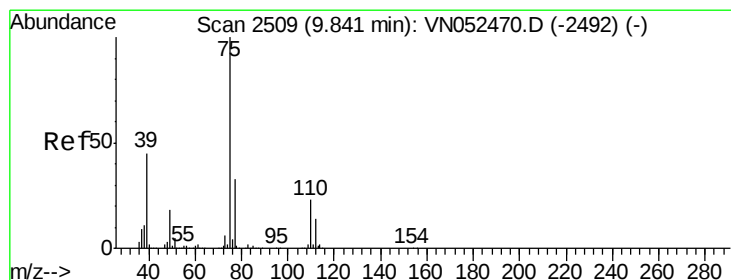
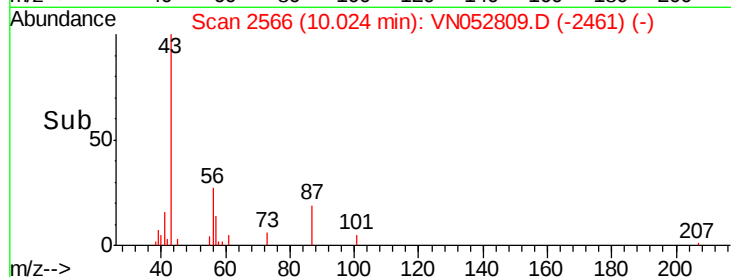
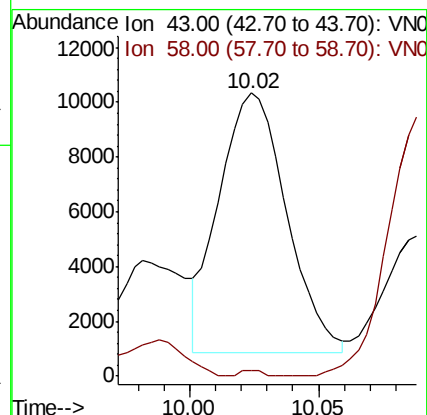
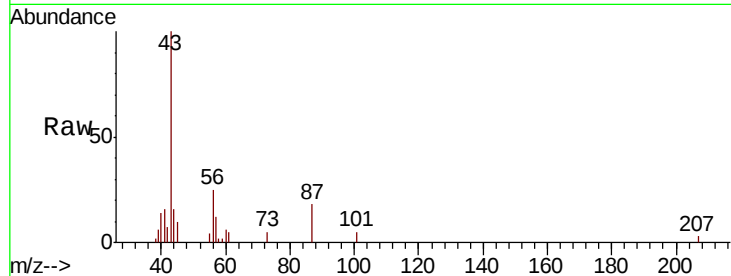
PB115504ZHE#14

Tot Ion: 43 Resp: 17189

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#



#54

cis-1,3-Dichloropropene

Concen: 6.255 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052809.D

Acq: 11 Dec 2018 18:22

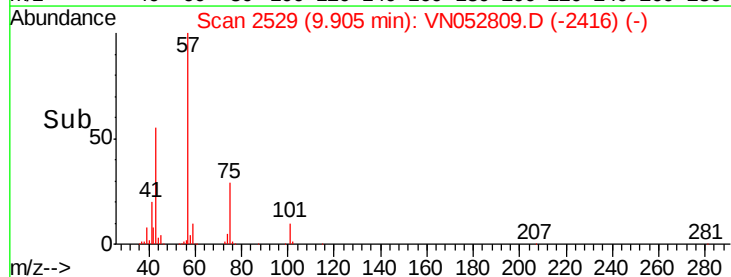
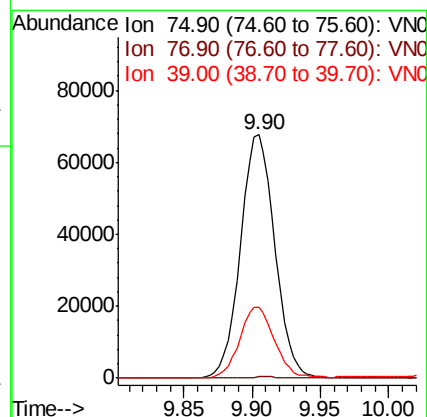
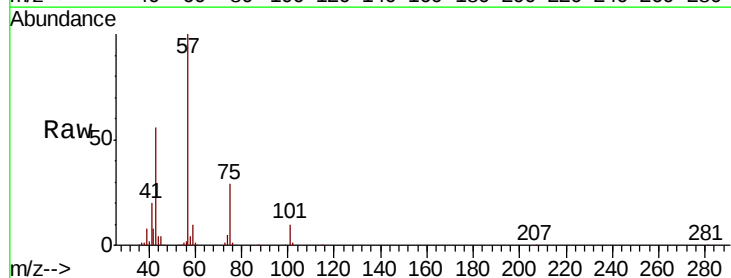
Tgt Ion: 75 Resp: 118118

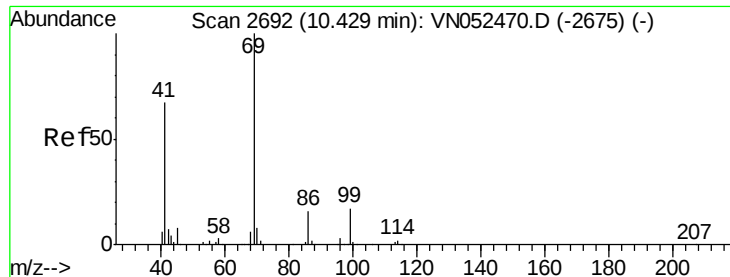
Ion Ratio Lower Upper

75 100

77 0.5 26.2 39.2#

39 29.3 36.0 54.0#





#56

Ethyl methacrylate

Concen: 2.815 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN052809.D

Acq: 11 Dec 2018 18:22

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#14

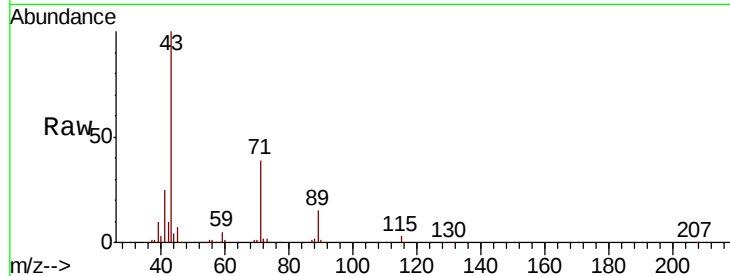
Tot Ion: 69 Resp: 1912

Ion Ratio Lower Upper

69 100

41 4822.8 52.6 79.0#

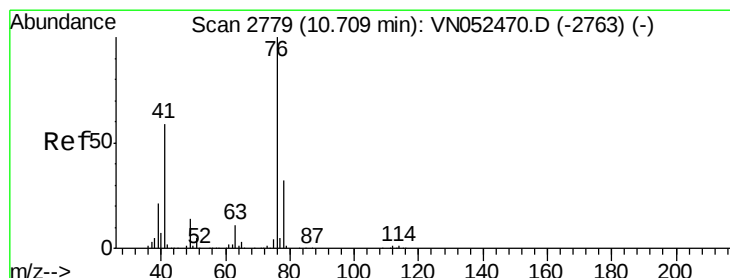
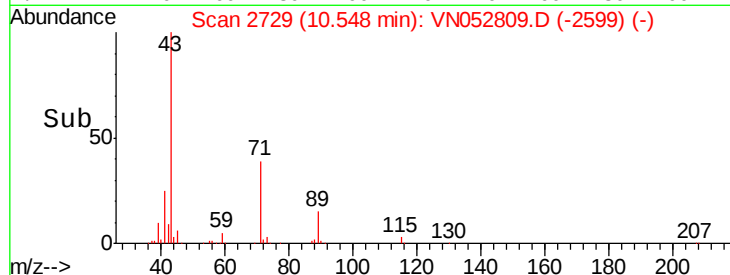
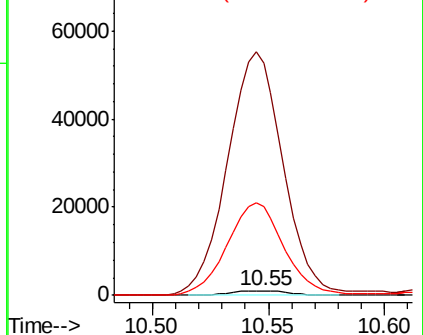
39 1884.5 25.9 38.9#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.268 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN052809.D

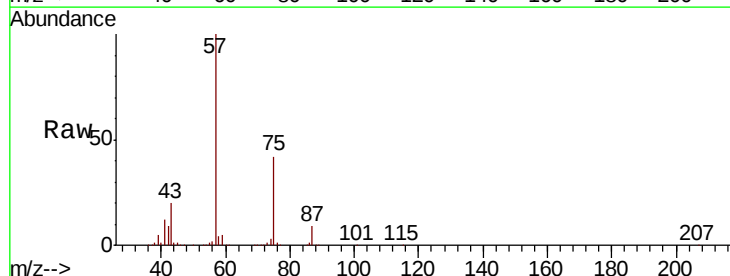
Acq: 11 Dec 2018 18:22

Tgt Ion: 76 Resp: 23944

Ion Ratio Lower Upper

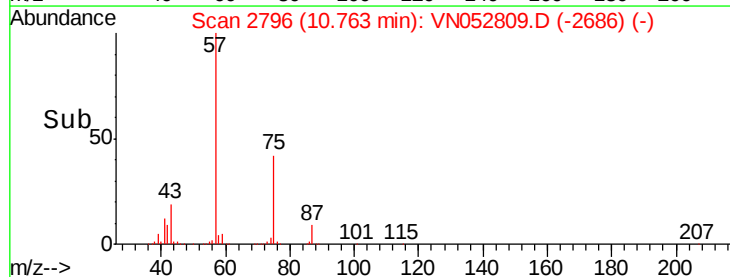
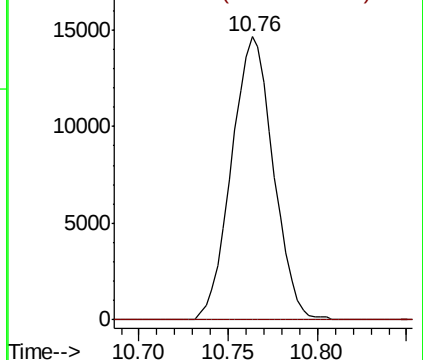
76 100

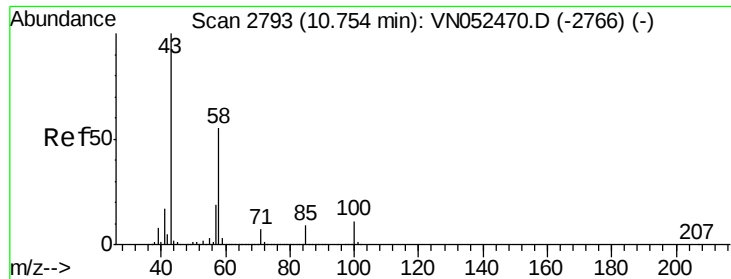
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

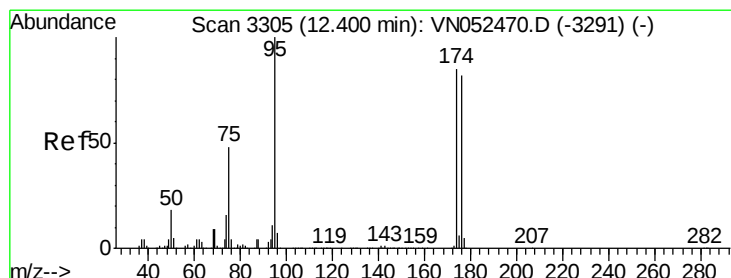
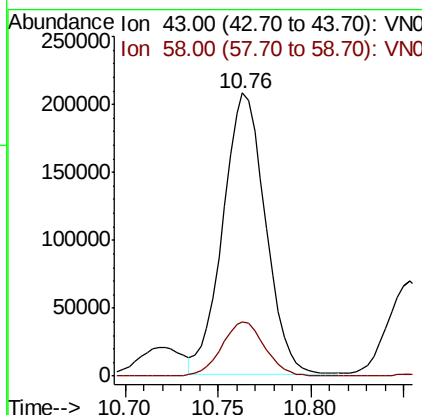
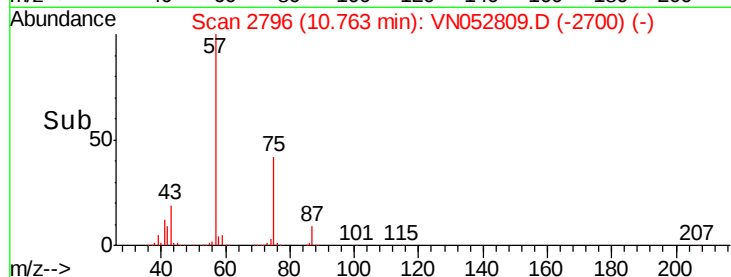
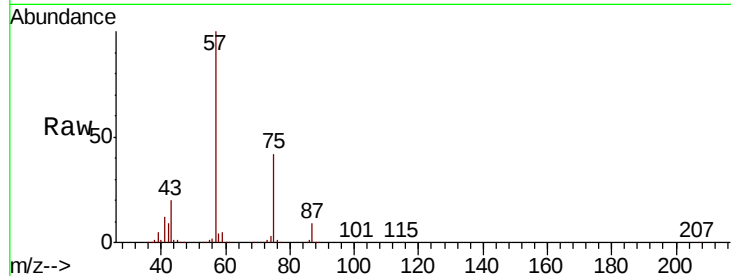




#59
2-Hexanone
Concen: 49.628 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052809.D
Acq: 11 Dec 2018 18:22

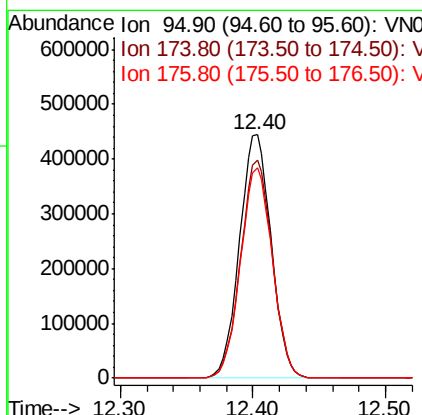
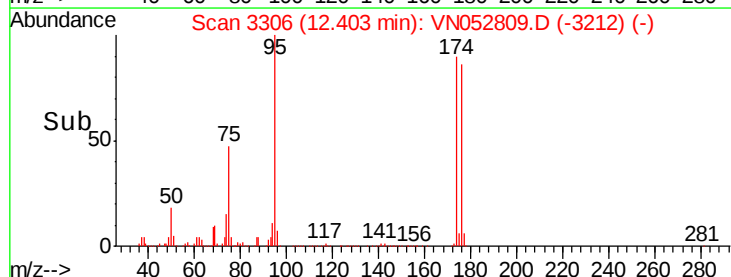
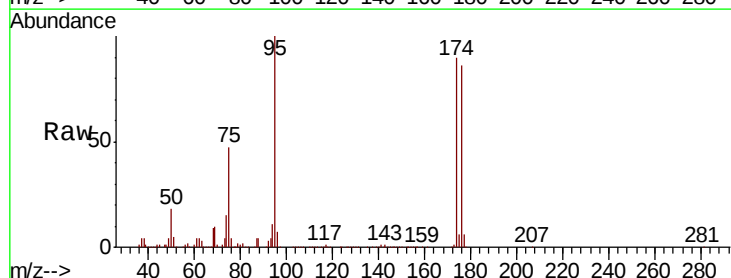
Instrument :
MSVOA_N
ClientSampleId :
PB115504ZHE#14

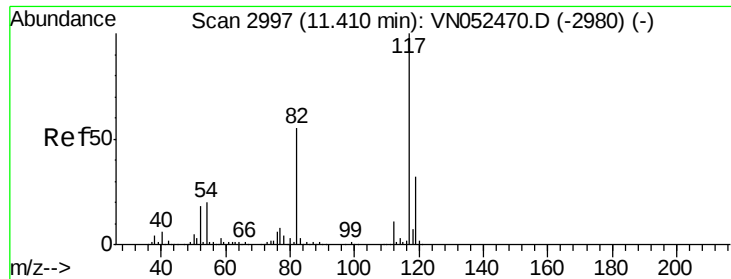
Tot Ion: 43 Resp: 331513
Ion Ratio Lower Upper
43 100
58 19.5 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052809.D
Acq: 11 Dec 2018 18:22

Tgt Ion: 95 Resp: 738193
Ion Ratio Lower Upper
95 100
174 89.4 0.0 173.0
176 86.8 0.0 166.2

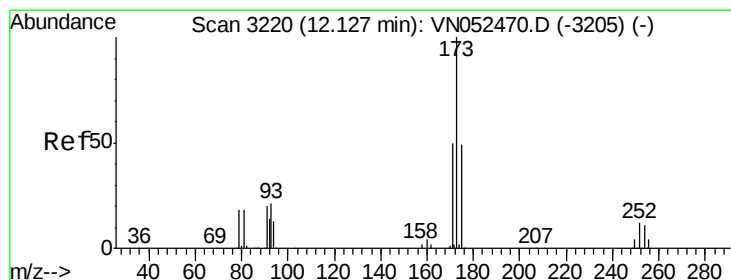
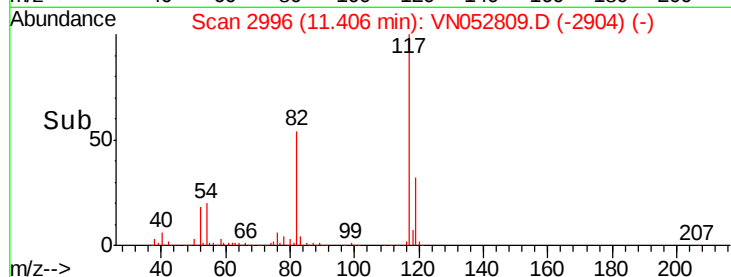
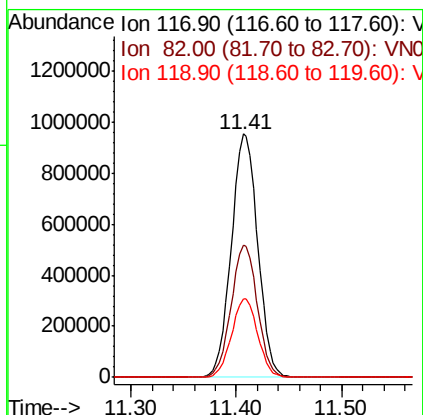
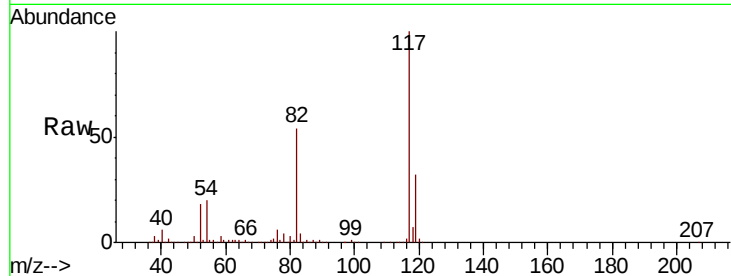




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052809.D
Acq: 11 Dec 2018 18:22

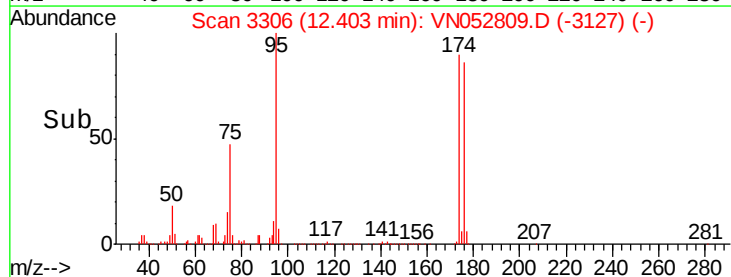
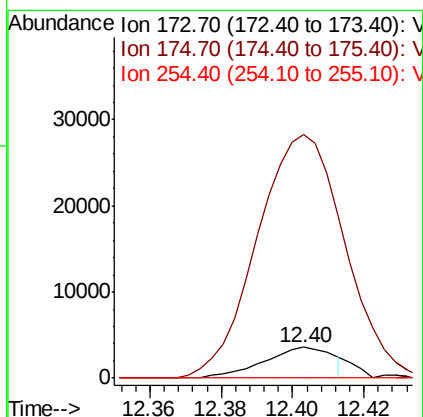
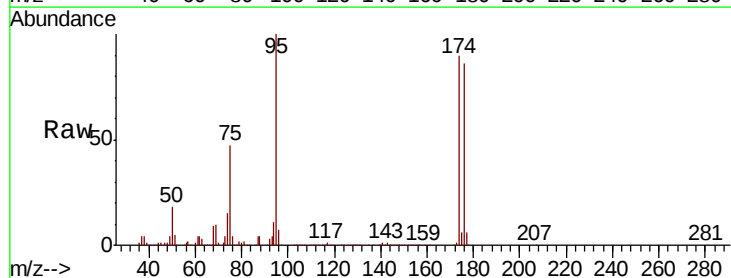
Instrument :
MSVOA_N
ClientSampleId :
PB115504ZHE#14

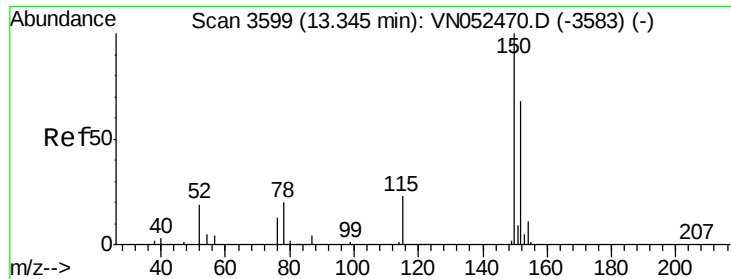
Tot Ion:117 Resp: 1647804
Ion Ratio Lower Upper
117 100
82 54.4 43.6 65.4
119 32.4 25.4 38.2



#71
Bromoform
Concen: 0.617 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052809.D
Acq: 11 Dec 2018 18:22

Tgt Ion:173 Resp: 4826
Ion Ratio Lower Upper
173 100
175 857.5 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: VN052809.D

Acq: 11 Dec 2018 18:22

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#14

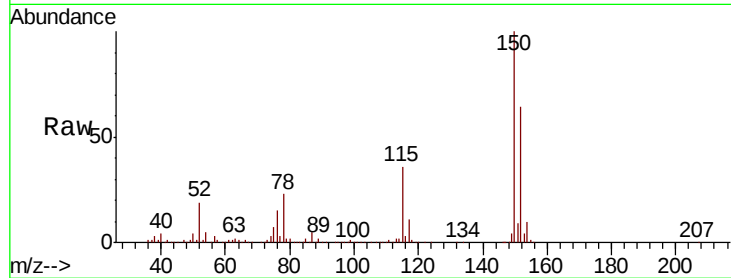
Tot Ion:152 Resp: 699743

Ion Ratio Lower Upper

152 100

115 55.9 28.4 85.2

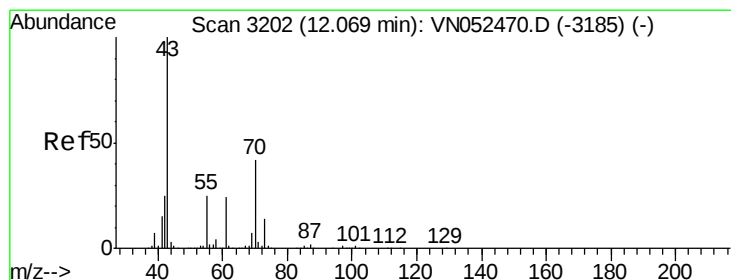
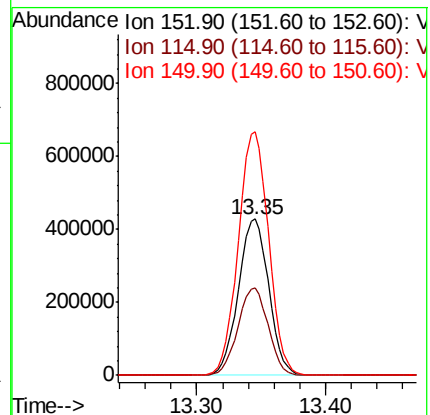
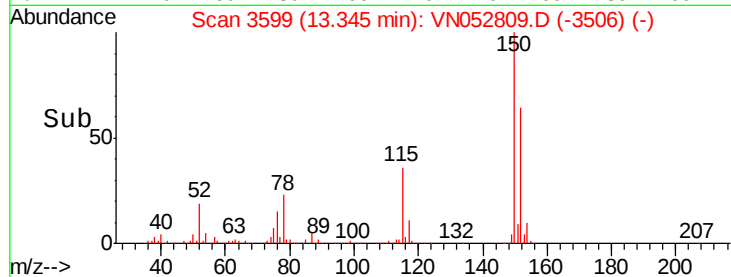
150 155.8 0.0 346.0



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



#74

N-ethyl acetate

Concen: 2.836 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052809.D

Acq: 11 Dec 2018 18:22

Tgt Ion: 43 Resp: 39341

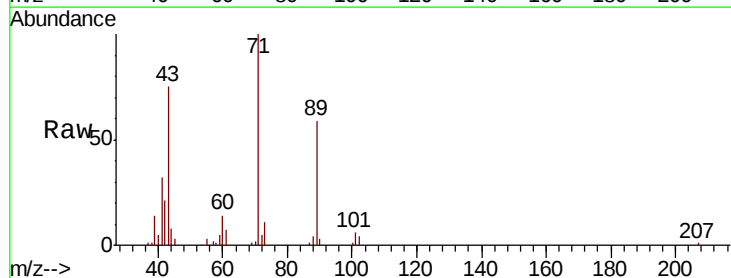
Ion Ratio Lower Upper

43 100

70 1.8 33.8 50.8#

55 4.8 20.0 30.0#

61 10.0 19.7 29.5#

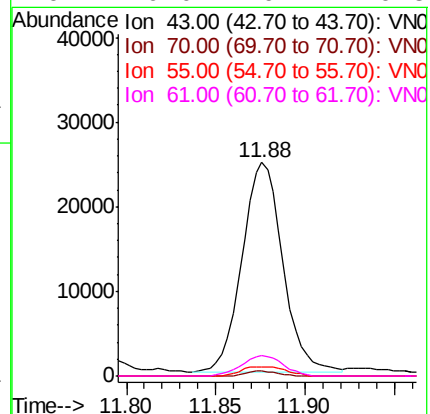
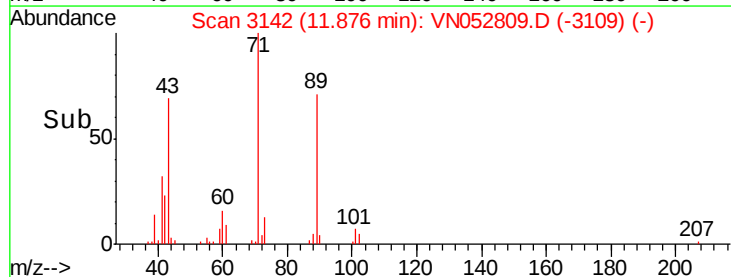


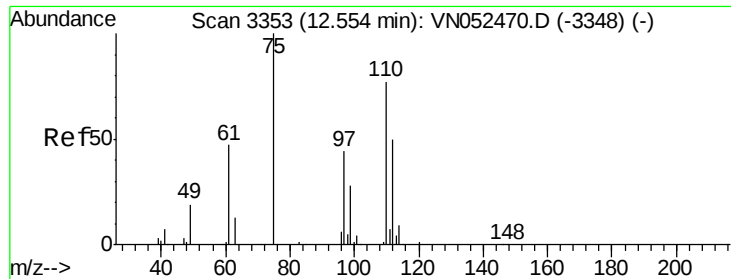
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 32.627 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052809.D

Acq: 11 Dec 2018 18:22

Instrument :

MSVOA_N

ClientSampleId :

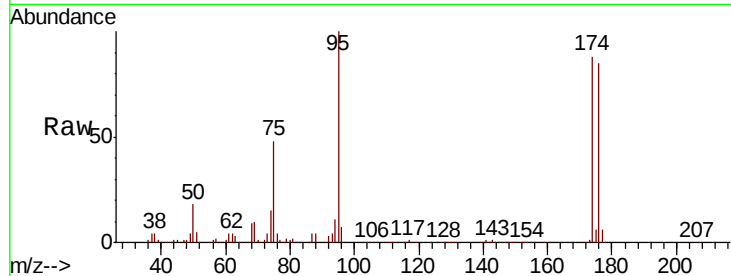
PB115504ZHE#14

Tot Ion: 75 Resp: 352059

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

250000

200000

150000

100000

50000

0

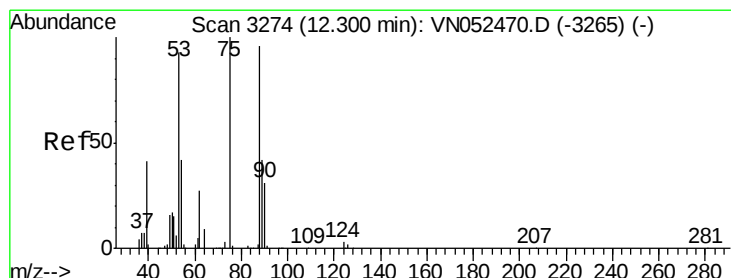
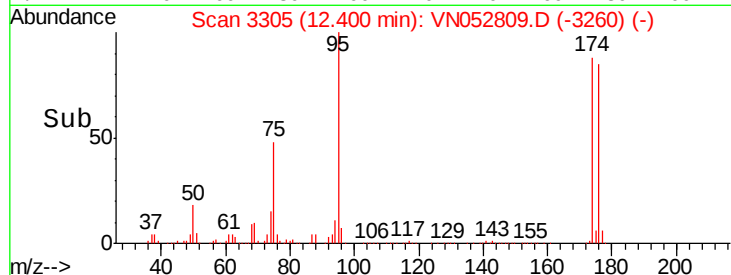
12.40

12.30

12.40

12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 108.959 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052809.D

Acq: 11 Dec 2018 18:22

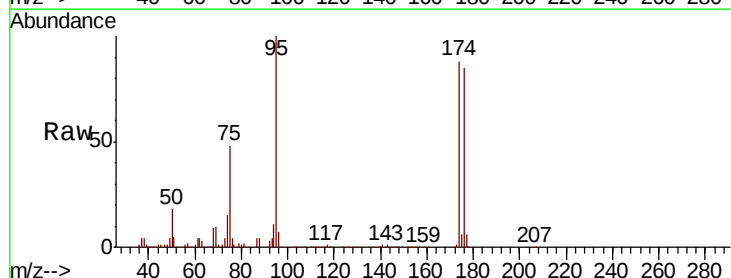
Tgt Ion: 75 Resp: 352059

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

89 0.0 35.4 53.2#



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

250000

200000

150000

100000

50000

0

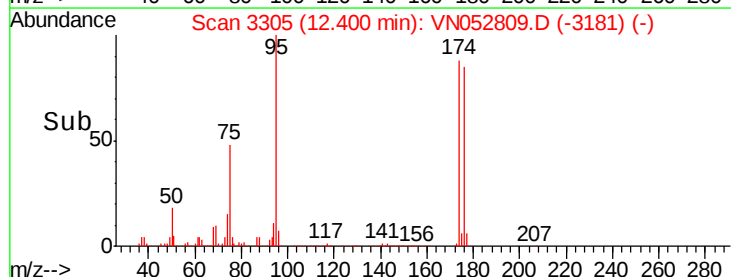
12.40

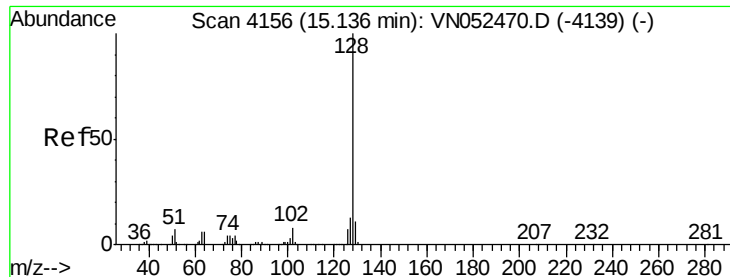
12.30

12.40

12.50

Time-->





#95

Naphthalene

Concen: 3.437 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052809.D

Acq: 11 Dec 2018 18:22

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#14

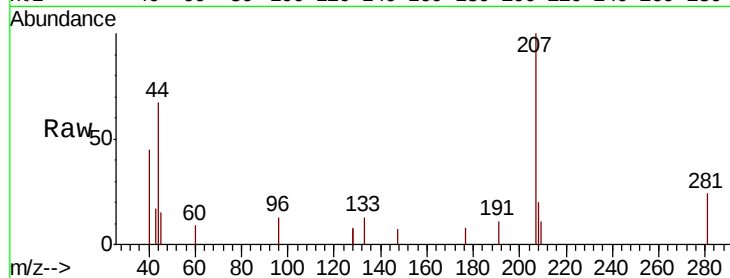
Tot Ion:128 Resp: 241

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

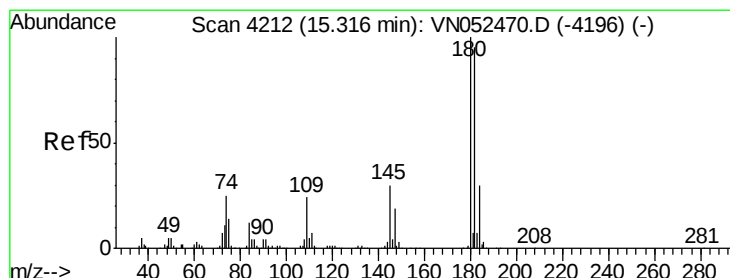
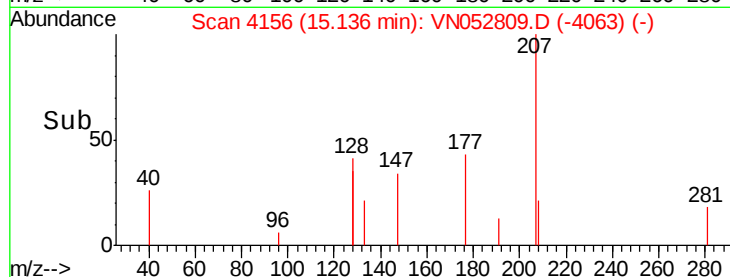
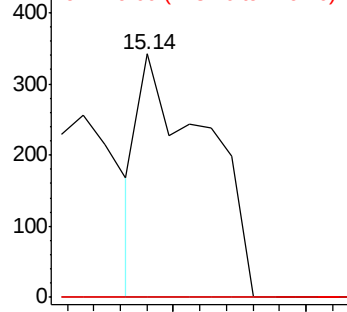
129 0.0 8.7 13.1#



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: 2.732 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052809.D

Acq: 11 Dec 2018 18:22

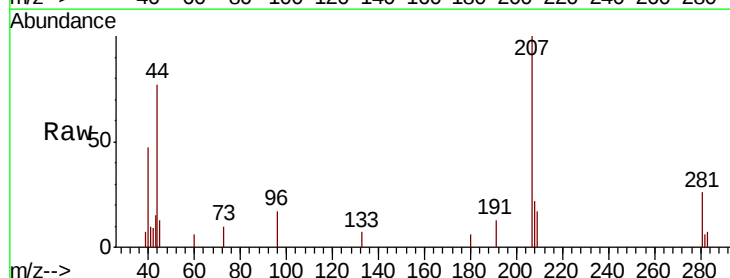
Tgt Ion:180 Resp: 58

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.3#

145 0.0 15.2 45.5#



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

