

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052946.D
 Acq On : 18 Dec 2018 00:31
 Operator : MD\SY
 Sample : J6378-04ME
 Misc : 4.12g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 35 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD009-0006-01ME

Quant Time: Dec 18 06:30:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1087217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1663134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1537340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	705082	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	533766	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
35) Dibromofluoromethane	7.59	113	330149	35.56	ug/l	0.00
Spiked Amount			Recovery	=	71.12%	
50) Toluene-d8	10.09	98	2056614	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.40	95	716365	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	

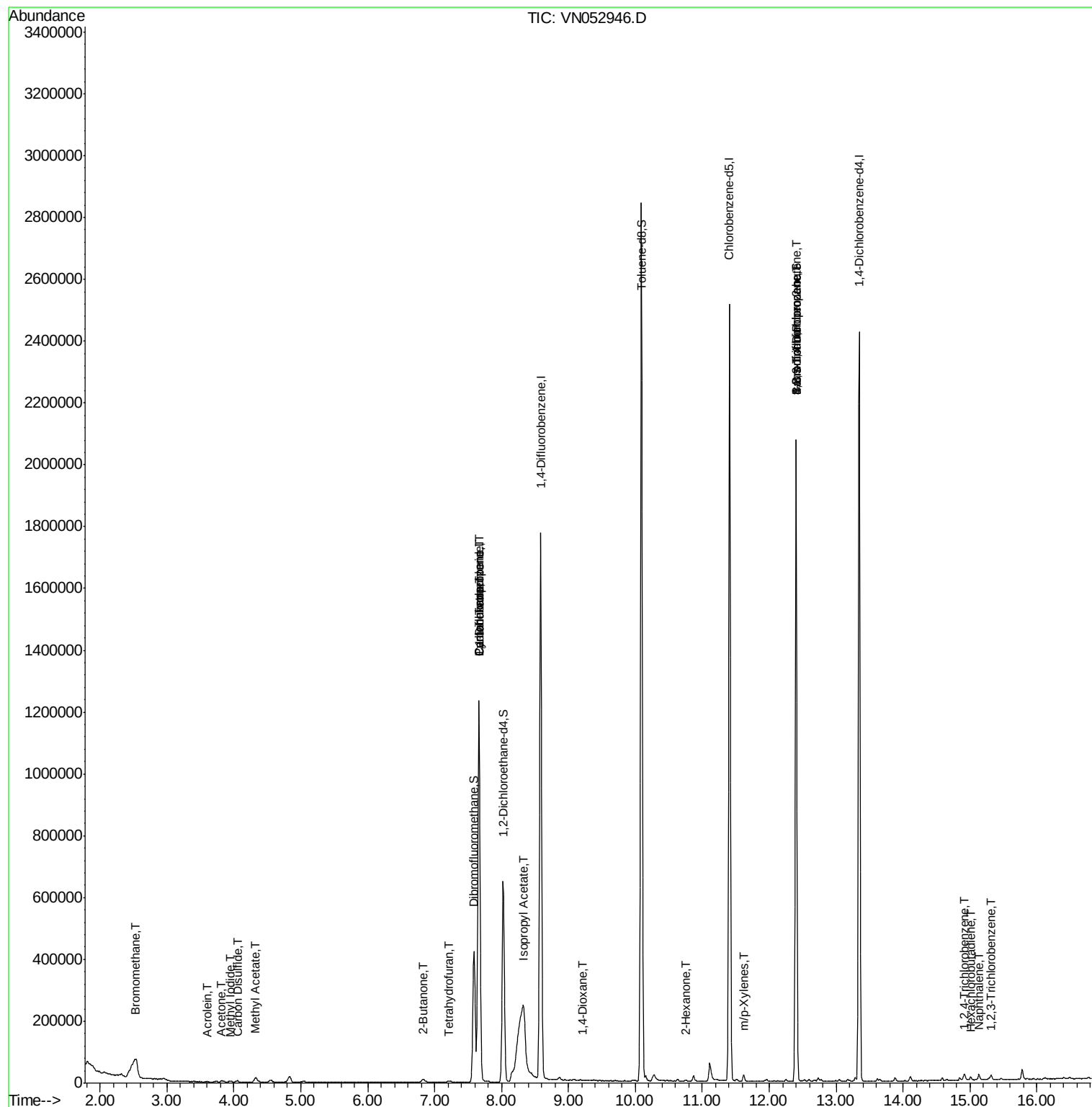
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.52	94	2191	0.264	ug/l	98
10) Methyl Iodide	3.95	142	3572	0.247	ug/l #	88
13) Acrolein	3.61	56	368	0.605	ug/l #	1
16) Acetone	3.81	43	6516	2.510	ug/l	97
17) Carbon Disulfide	4.05	76	8774	0.286	ug/l #	93
18) Methyl Acetate	4.32	43	31818	3.339	ug/l	96
25) 2-Butanone	6.83	43	2803	0.696	ug/l #	49
29) Tetrahydrofuran	7.21	42	903	0.328	ug/l #	5
31) Cyclohexane	7.66	56	18612	0.374	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	71552	4.672	ug/l #	48
38) Carbon Tetrachloride	7.66	117	94177	6.681	ug/l #	17
43) Isopropyl Acetate	8.33	43	677921	35.938	ug/l #	53
49) 1,4-Dioxane	9.21	88	29	0.309	ug/l #	1
59) 2-Hexanone	10.75	43	1734	0.293	ug/l	98
68) m/p-Xylenes	11.62	106	6256	0.304	ug/l	99
71) Bromoform	12.40	173	4074	0.541	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	335469	32.248	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	335469	103.597	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	5455	0.438	ug/l	94
94) Hexachlorobutadiene	15.01	225	2378	0.330	ug/l	95
95) Naphthalene	15.14	128	16379	0.636	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	5661	0.496	ug/l	91

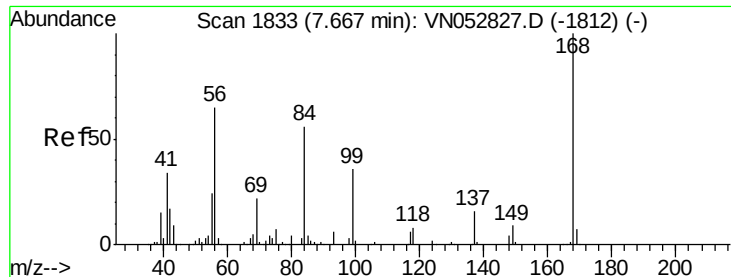
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Dec 18 06:30:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052946.D

Acq: 18 Dec 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

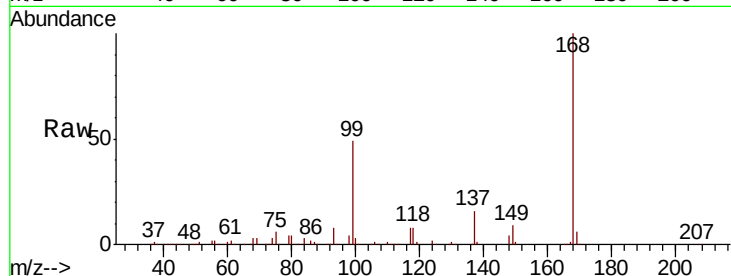
P001-SD009-0006-01ME

Tot Ion:168 Resp: 1087217

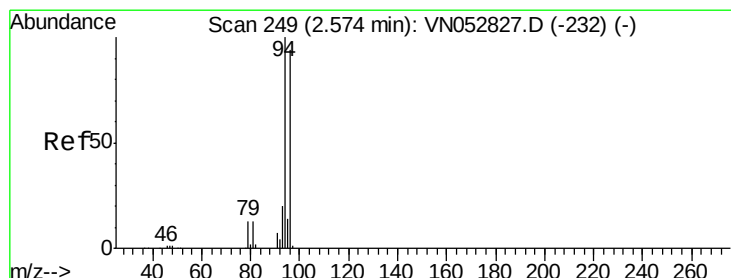
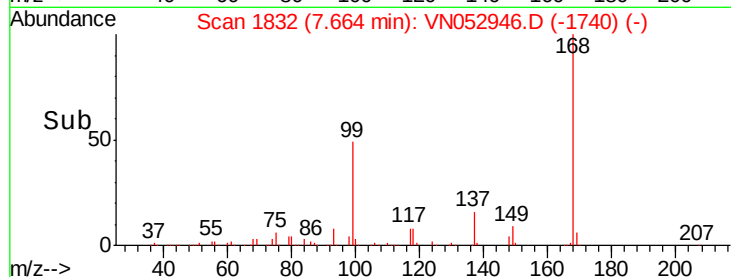
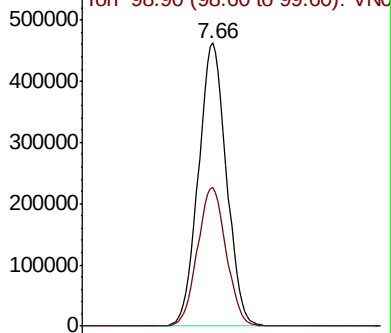
Ion Ratio Lower Upper

168 100

99 48.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)



#5

Bromomethane

Concen: 0.264 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.05 min

Lab File: VN052946.D

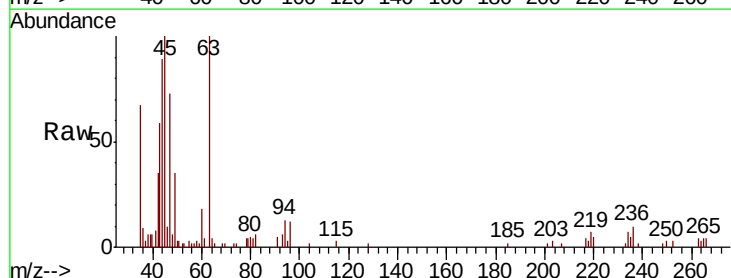
Acq: 18 Dec 2018 00:31

Tgt Ion: 94 Resp: 2191

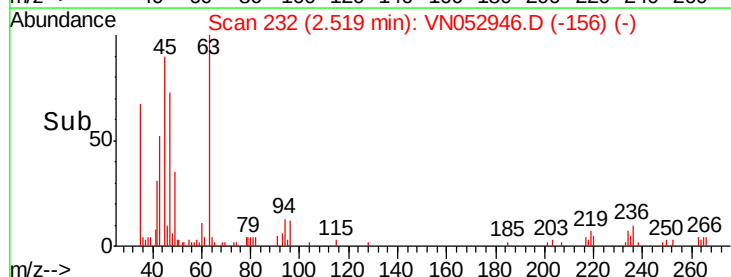
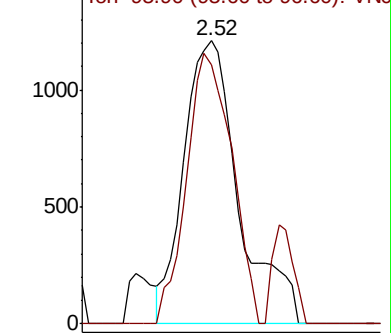
Ion Ratio Lower Upper

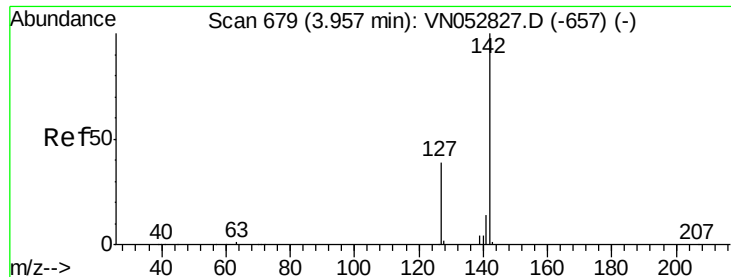
94 100

96 91.7 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN052827.D (-232) (-)

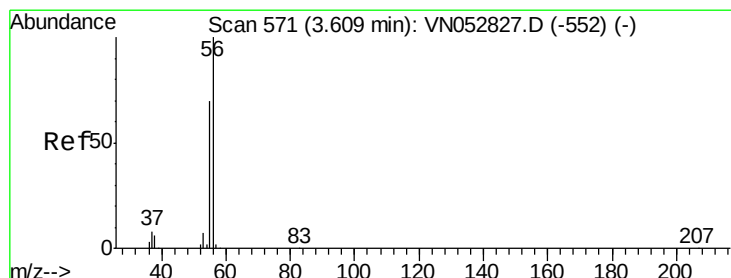
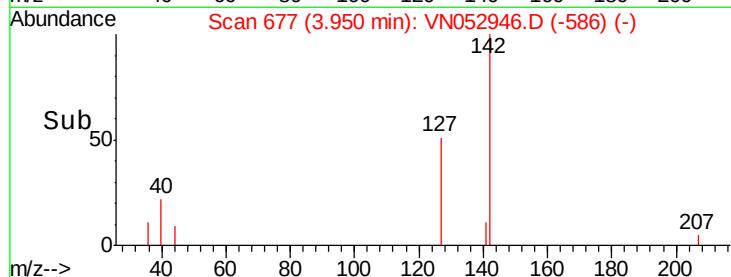
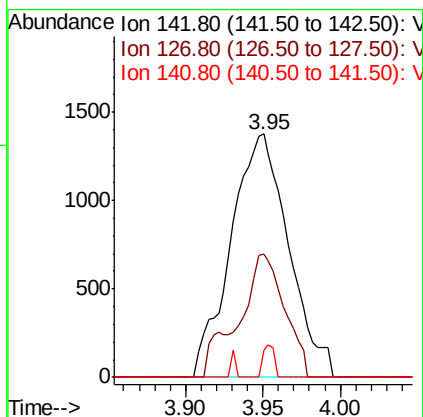
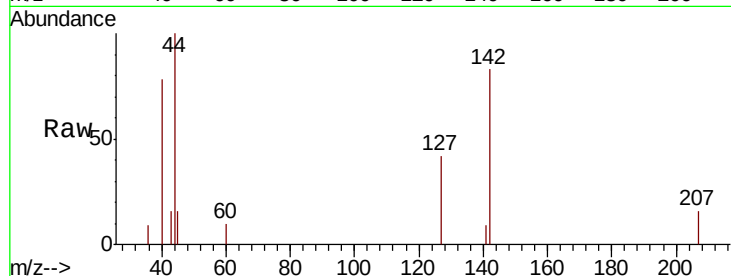




#10
Methvl Iodide
Concen: 0.247 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.01 min
Lab File: VN052946.D
Acq: 18 Dec 2018 00:31

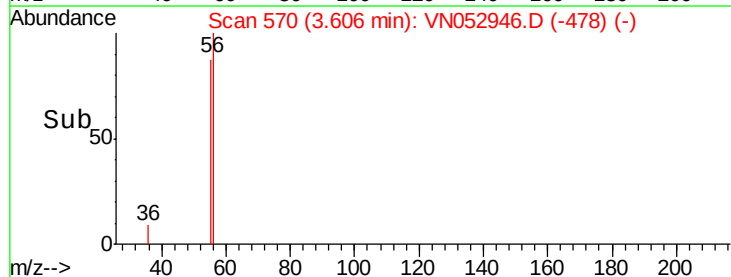
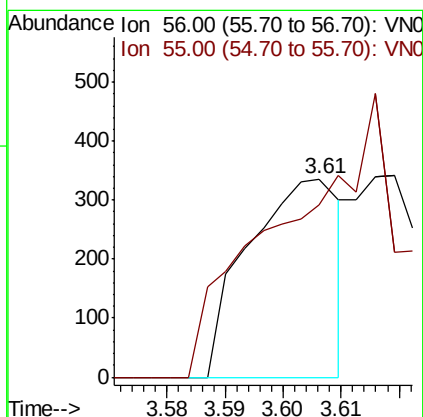
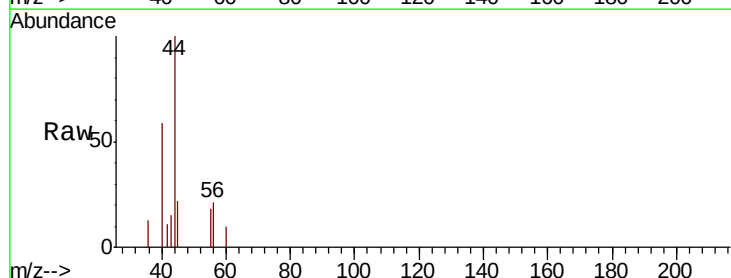
Instrument :
MSVOA_N
ClientSampleId :
P001-SD009-0006-01ME

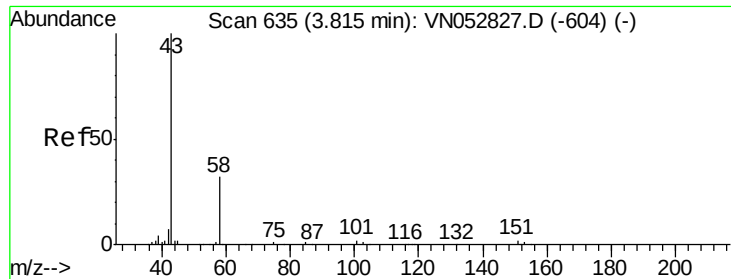
Tot Ion:142 Resp: 3572
Ion Ratio Lower Upper
142 100
127 34.5 31.0 46.6
141 2.8 11.2 16.8#



#13
Acrolein
Concen: 0.605 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN052946.D
Acq: 18 Dec 2018 00:31

Tgt Ion: 56 Resp: 368
Ion Ratio Lower Upper
56 100
55 199.5 56.6 85.0#





#16

Acetone

Concen: 2.510 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052946.D

Acq: 18 Dec 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

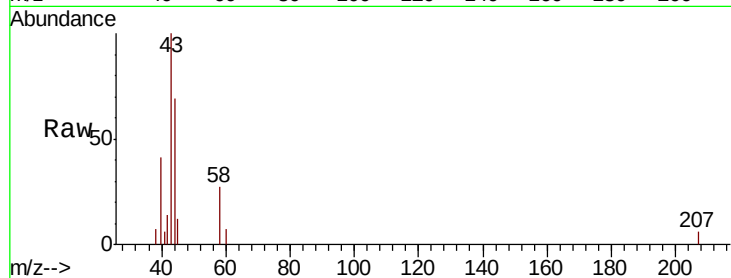
P001-SD009-0006-01ME

Tot Ion: 43 Resp: 6516

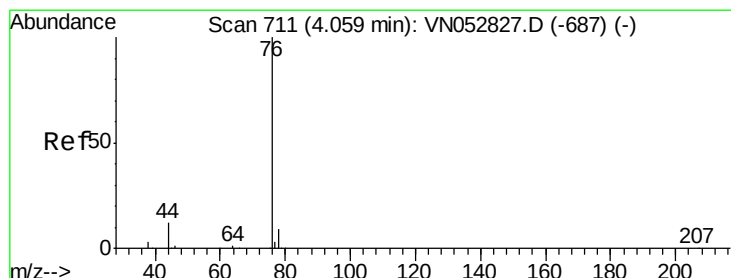
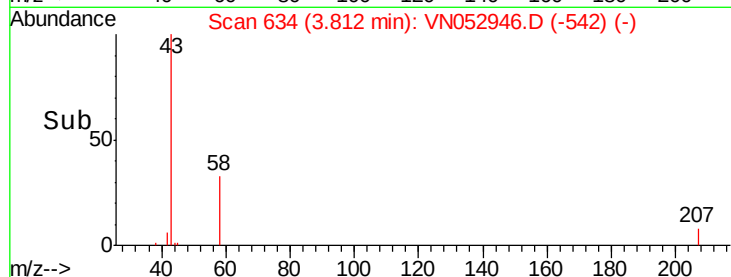
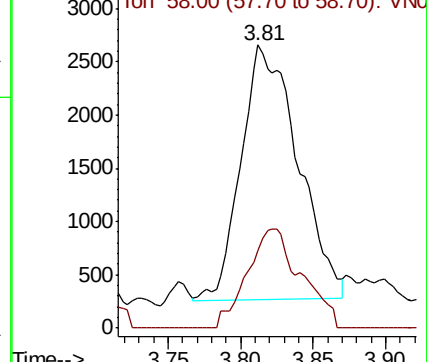
Ion Ratio Lower Upper

43 100

58 30.3 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-604) (-)



#17

Carbon Disulfide

Concen: 0.286 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VN052946.D

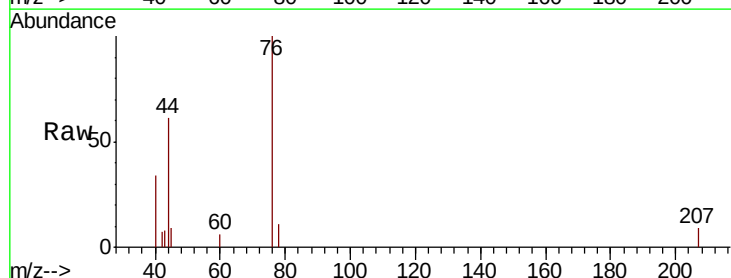
Acq: 18 Dec 2018 00:31

Tgt Ion: 76 Resp: 8774

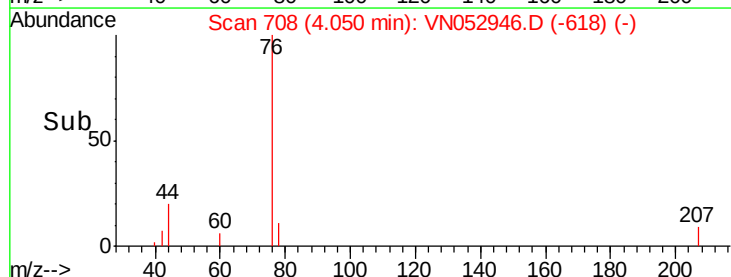
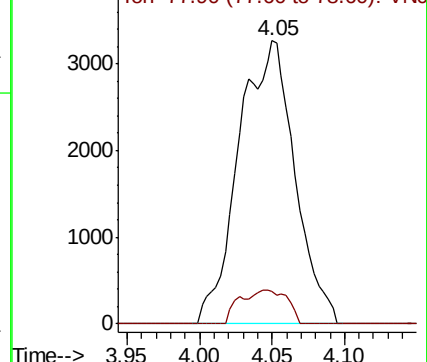
Ion Ratio Lower Upper

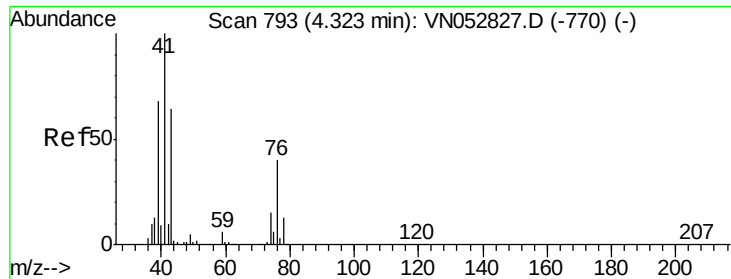
76 100

78 11.3 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN052827.D (-687) (-)

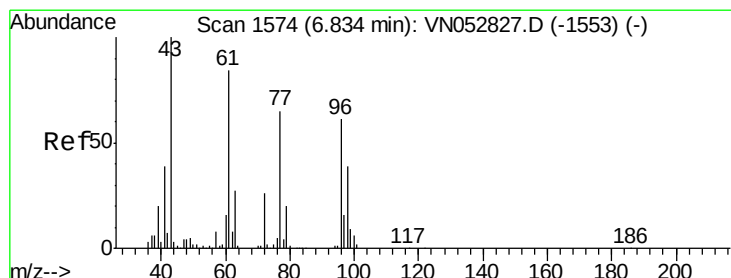
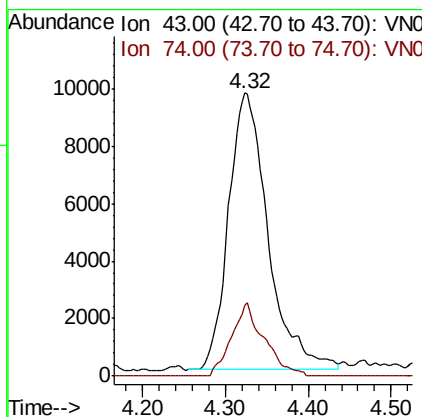
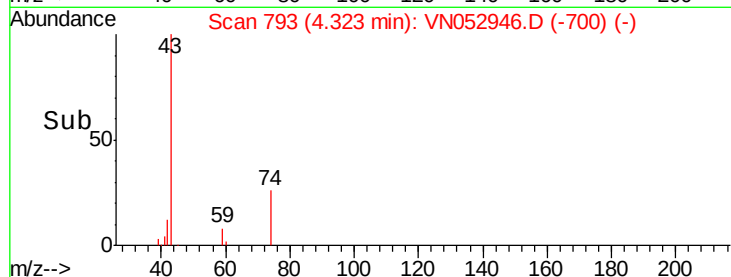
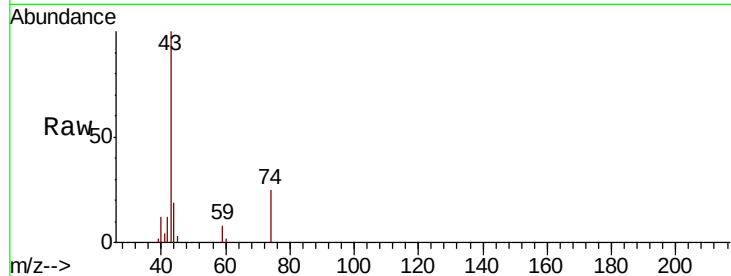




#18
Methvl Acetate
Concen: 3.339 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052946.D
Acq: 18 Dec 2018 00:31

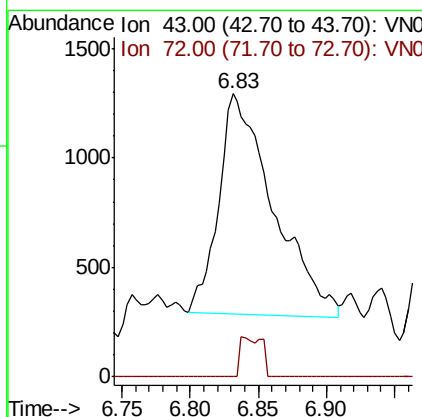
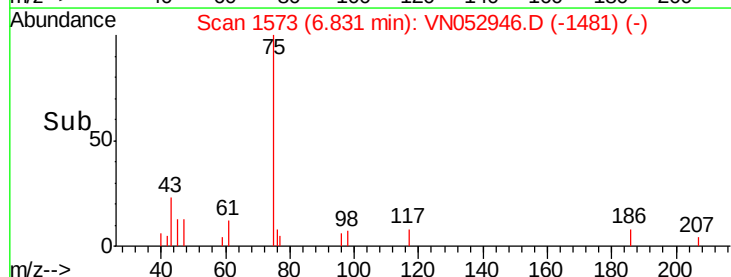
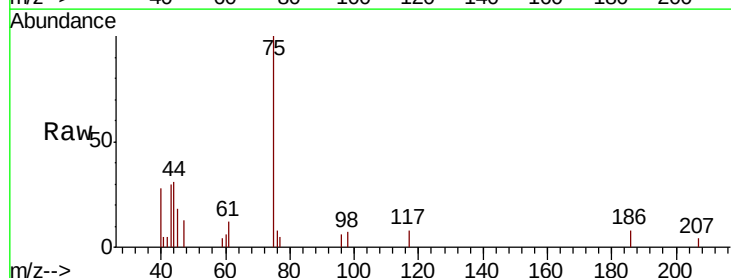
Instrument :
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ClientSampleId :
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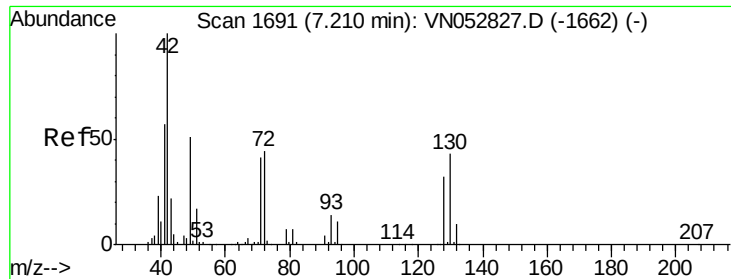
Tot Ion: 43 Resp: 31818
Ion Ratio Lower Upper
43 100
74 21.8 19.2 28.8



#25
2-Butanone
Concen: 0.696 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN052946.D
Acq: 18 Dec 2018 00:31

Tgt Ion: 43 Resp: 2803
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#

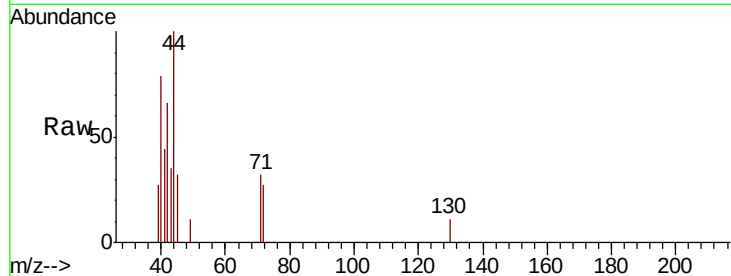




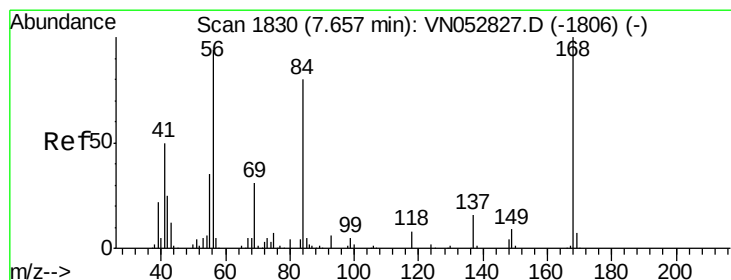
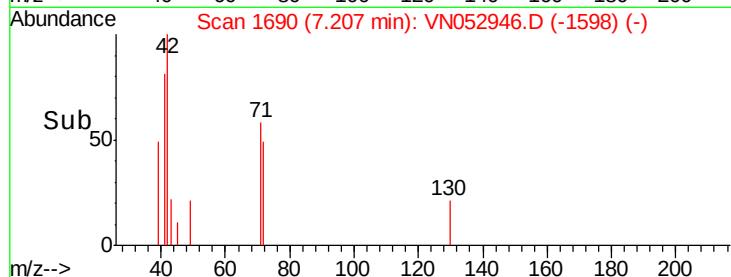
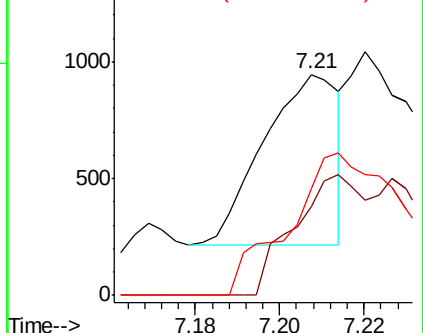
#29
Tetrahydrofuran
Concen: 0.328 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN052946.D
Acq: 18 Dec 2018 00:31

Instrument :
MSVOA_N
ClientSampleId :
P001-SD009-0006-01ME

Tot Ion: 42 Resp: 903
Ion Ratio Lower Upper
42 100
72 64.8 34.7 52.1#
71 140.3 32.3 48.5#

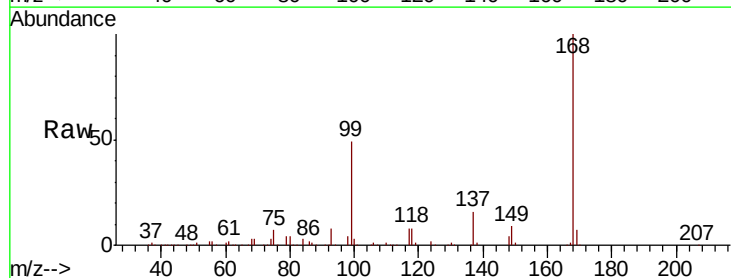


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

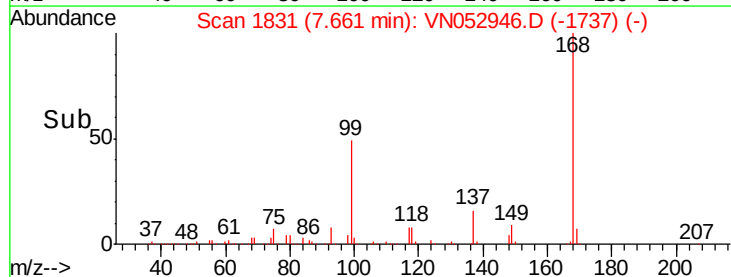
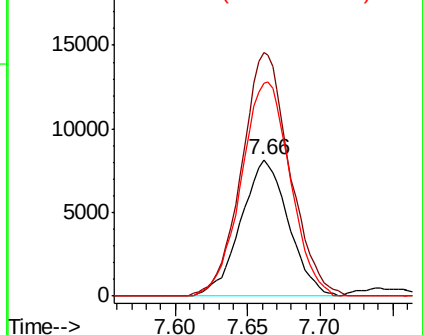


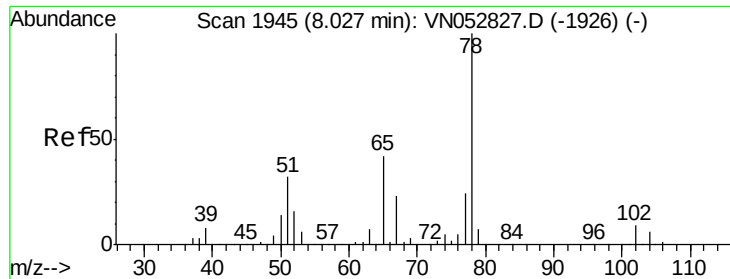
#31
Cyclohexane
Concen: 0.374 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN052946.D
Acq: 18 Dec 2018 00:31

Tgt Ion: 56 Resp: 18612
Ion Ratio Lower Upper
56 100
69 178.5 26.6 39.8#
84 155.7 68.4 102.6#



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

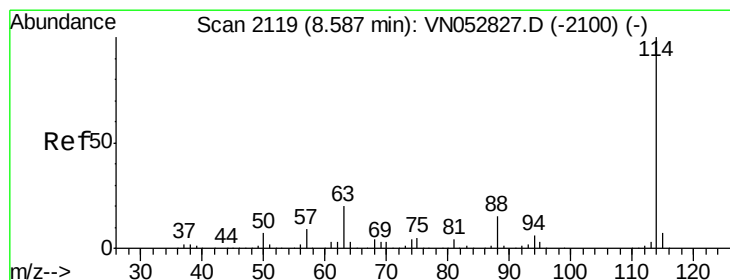
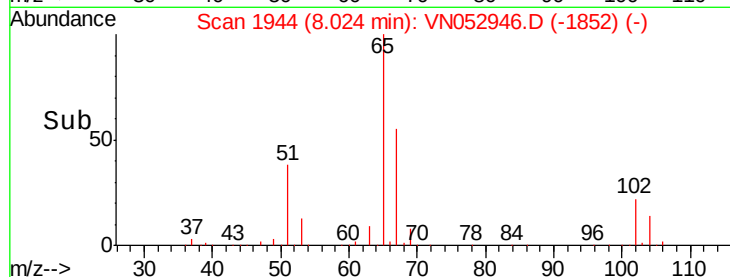
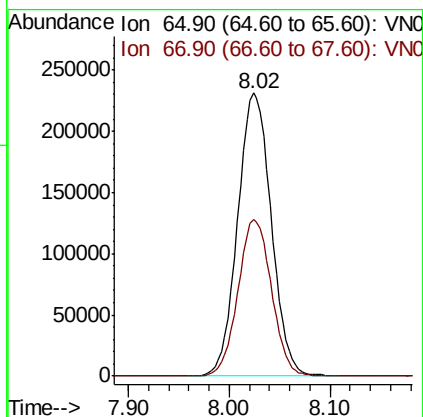
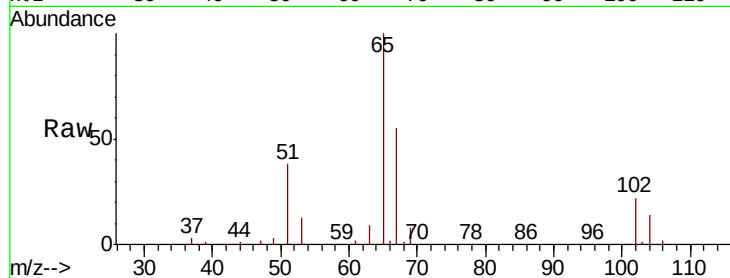




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052946.D
 Acq: 18 Dec 2018 00:31

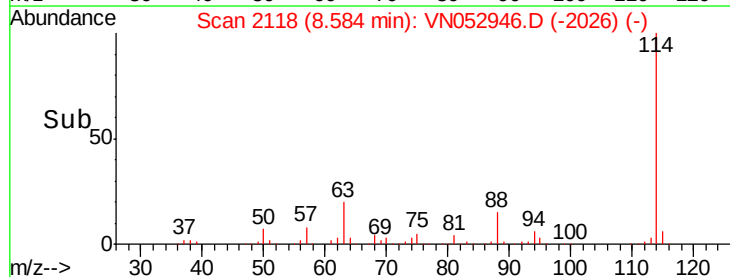
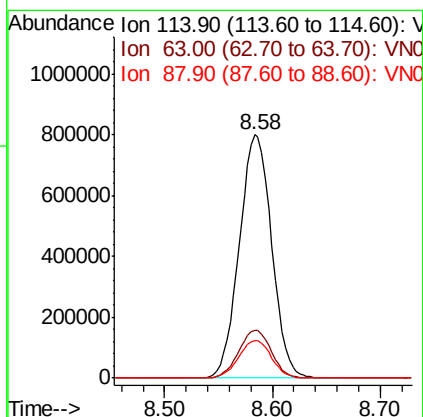
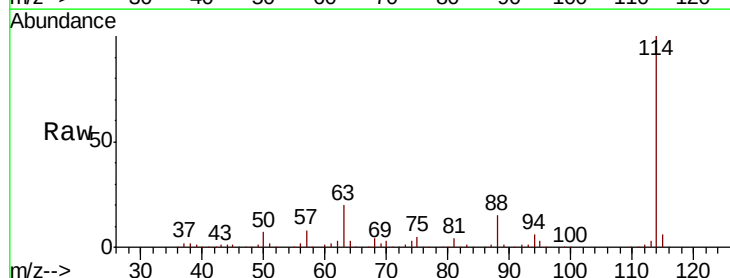
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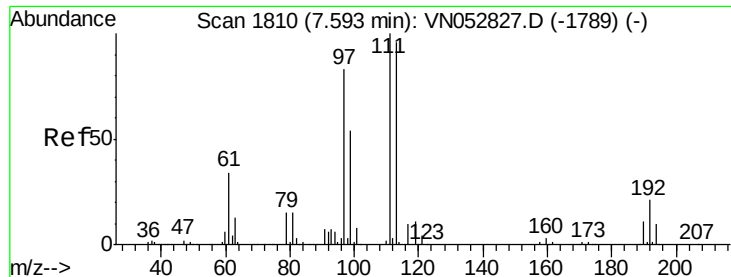
Tot Ion: 65 Resp: 533766
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052946.D
 Acq: 18 Dec 2018 00:31

Tgt Ion: 114 Resp: 1663134
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.5 0.0 31.0

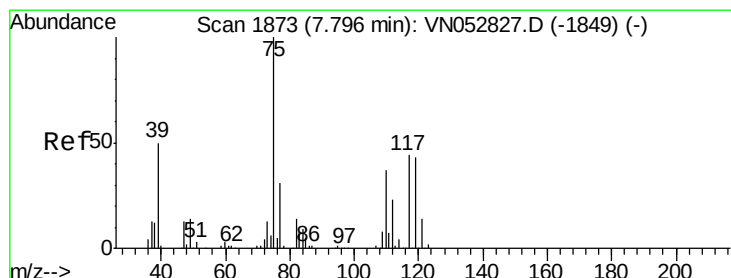
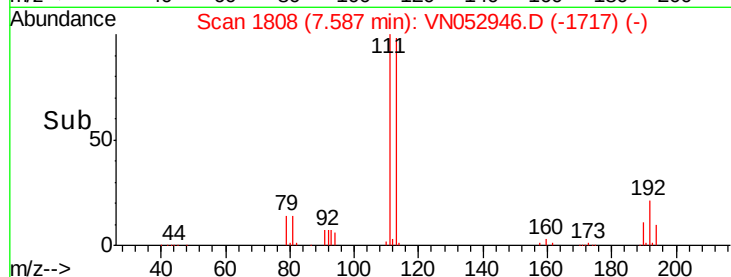
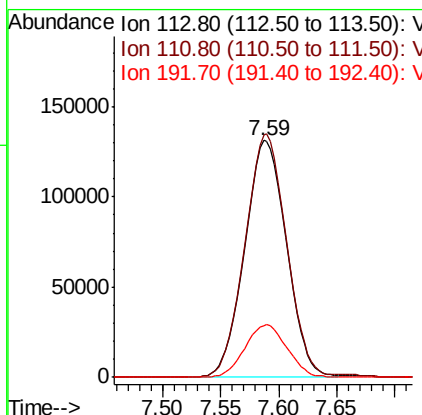
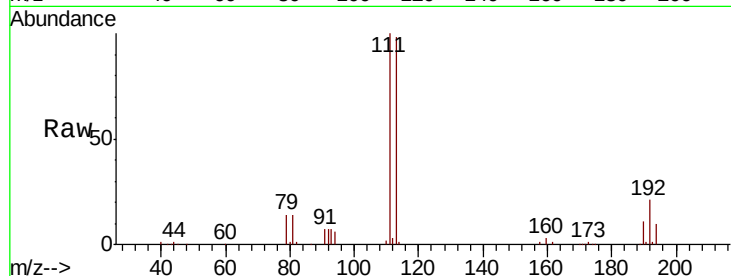




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VN052946.D
 Acq: 18 Dec 2018 00:31

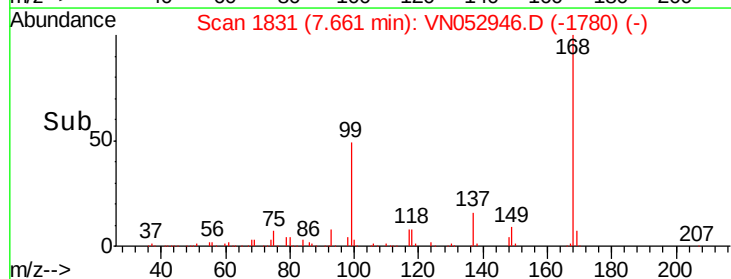
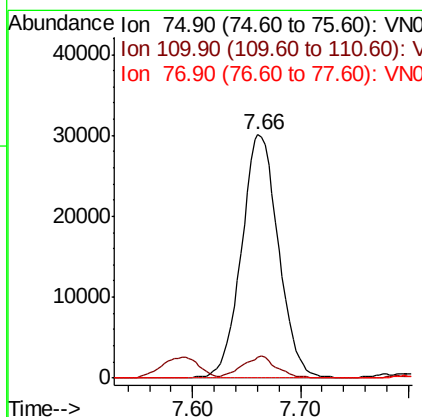
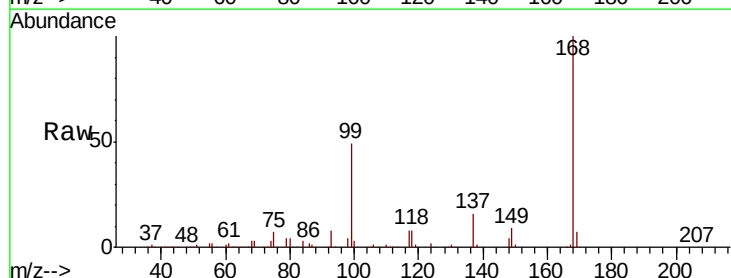
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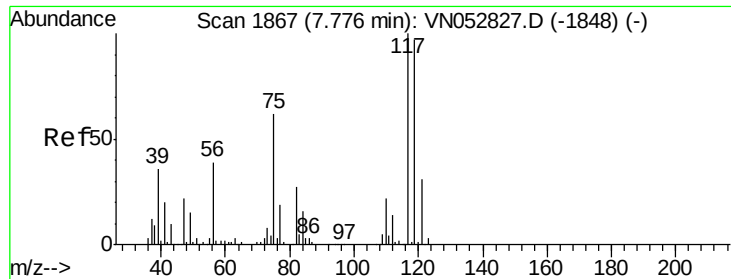
Tot Ion:113 Resp: 330149
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.0 124.4
 192 22.4 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 4.672 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN052946.D
 Acq: 18 Dec 2018 00:31

Tgt Ion: 75 Resp: 71552
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.2 54.6#
 77 0.0 24.9 37.3#

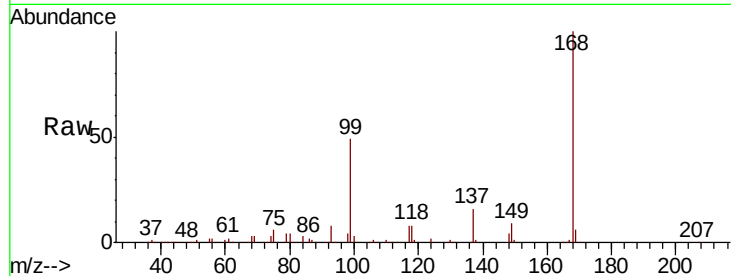




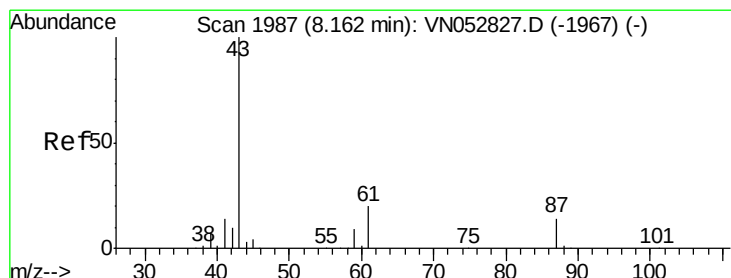
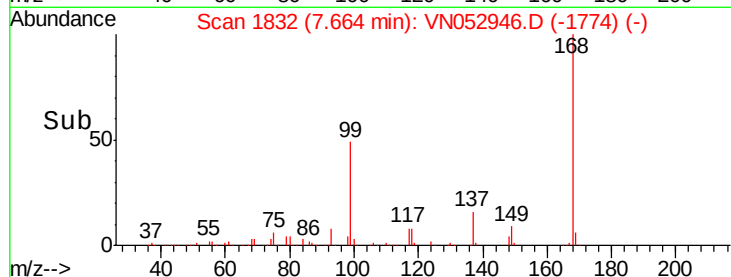
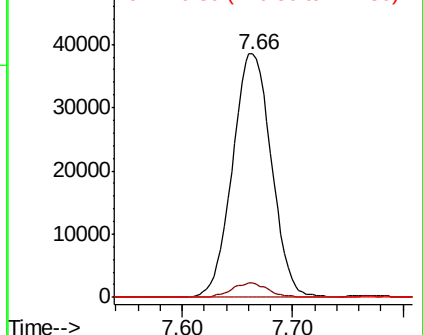
#38
Carbon Tetrachloride
Concen: 6.681 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN052946.D
Acq: 18 Dec 2018 00:31

Instrument :
MSVOA_N
ClientSampleId :
P001-SD009-0006-01ME

Tot Ion:117 Resp: 94177
Ion Ratio Lower Upper
117 100
119 6.1 77.1 115.7#
121 0.0 24.9 37.3#

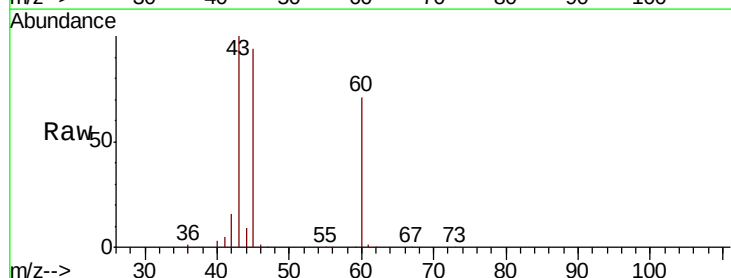


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

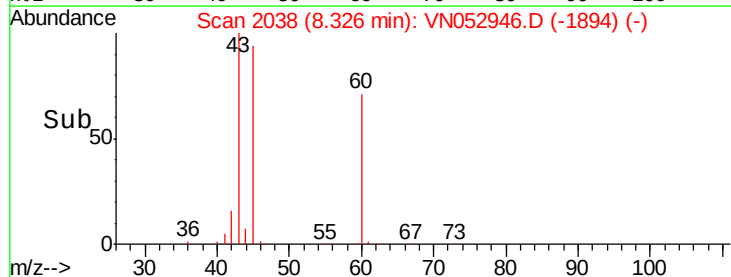
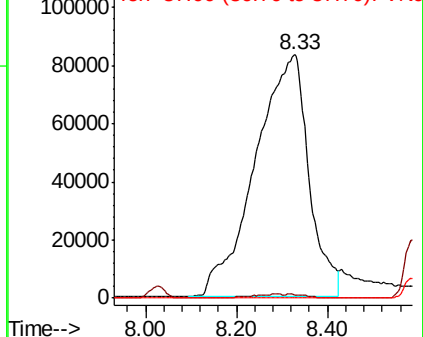


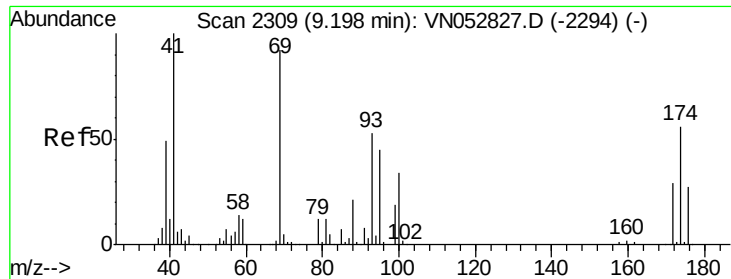
#43
Isopropyl Acetate
Concen: 35.938 ug/l
RT: 8.33 min Scan# 2038
Delta R.T. 0.16 min
Lab File: VN052946.D
Acq: 18 Dec 2018 00:31

Tgt Ion: 43 Resp: 677921
Ion Ratio Lower Upper
43 100
61 0.1 22.9 34.3#
87 0.0 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

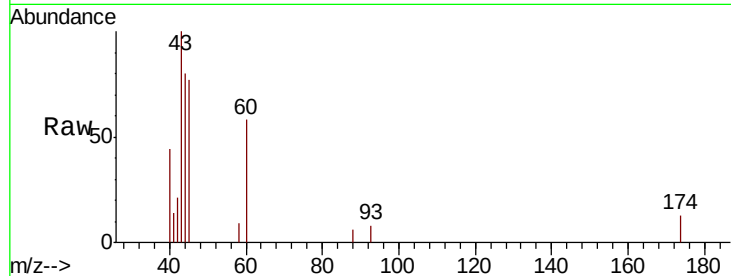




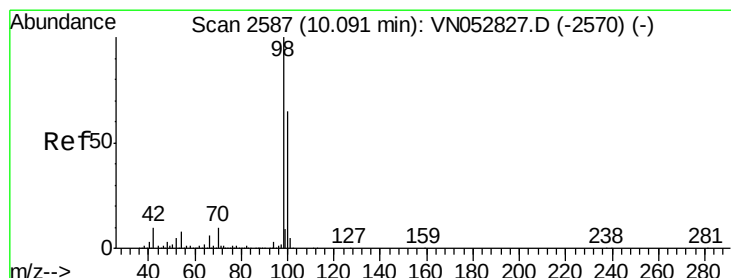
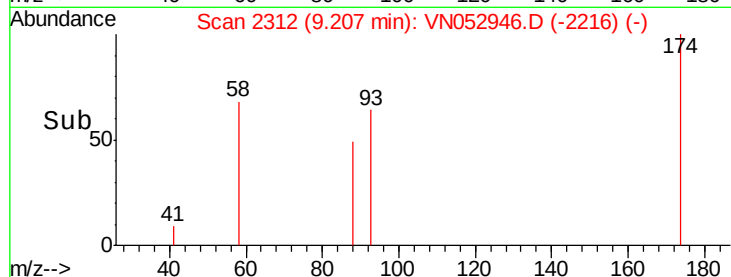
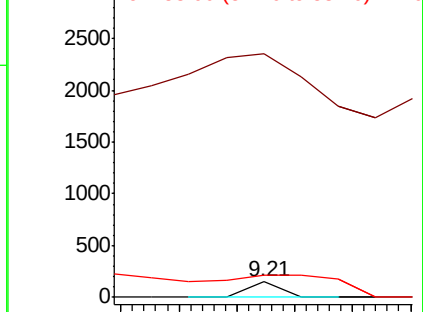
#49
1,4-Dioxane
Concen: 0.309 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN052946.D
Acq: 18 Dec 2018 00:31

Instrument :
MSVOA_N
ClientSampleId :
P001-SD009-0006-01ME

Tot Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 1603.4 26.6 40.0#
58 393.1 58.4 87.6#

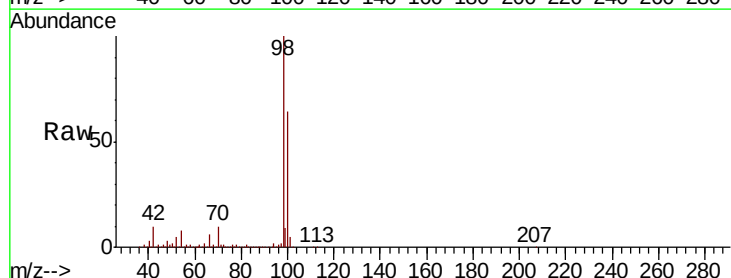


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

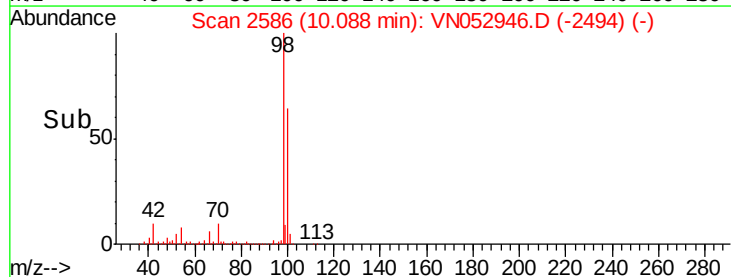
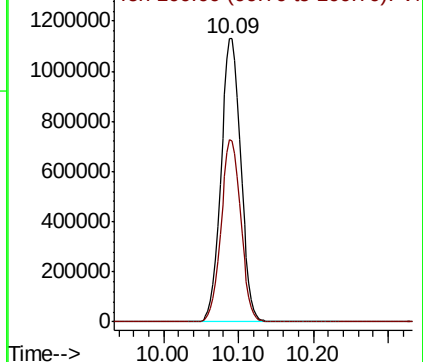


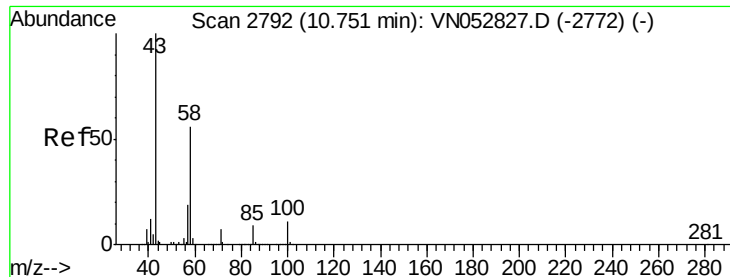
#50
Toluene-d8
Concen: 0.309 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052946.D
Acq: 18 Dec 2018 00:31

Tgt Ion: 98 Resp: 2056614
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

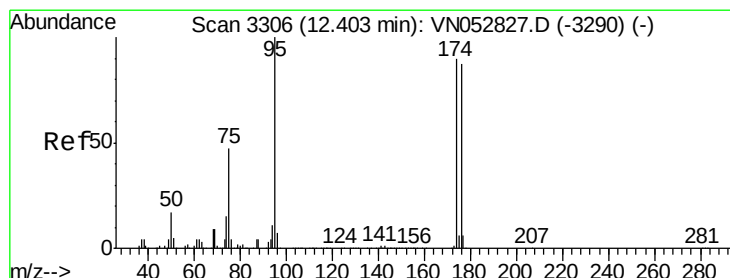
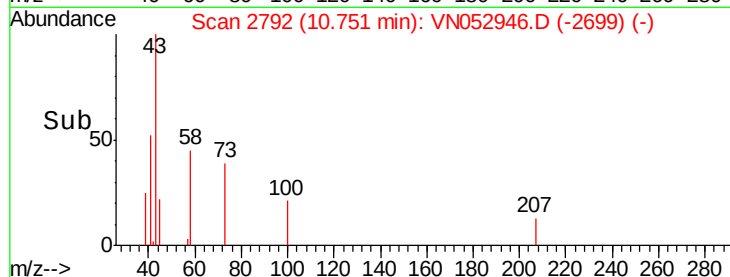
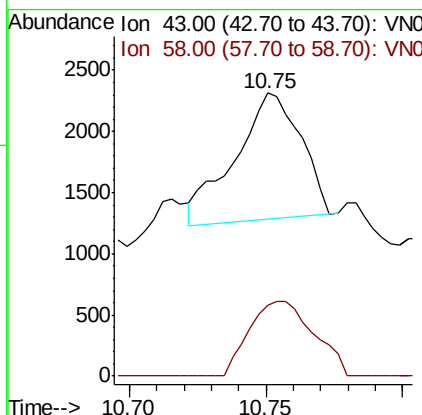
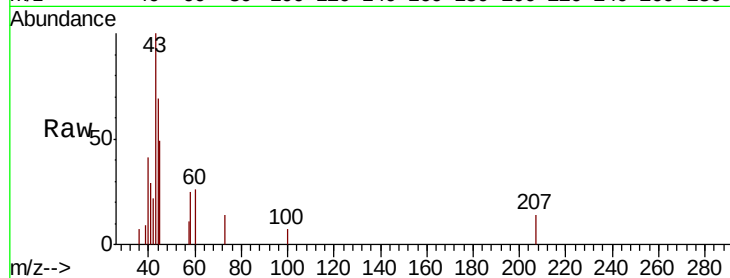




#59
2-Hexanone
Concen: 0.293 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052946.D
Acq: 18 Dec 2018 00:31

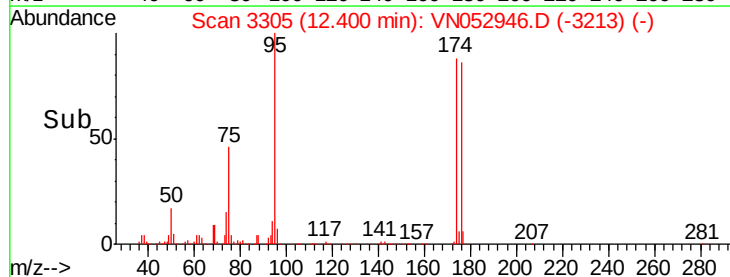
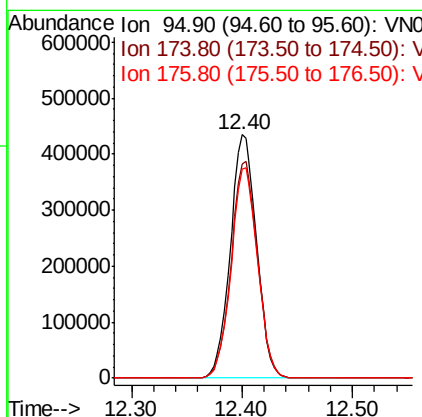
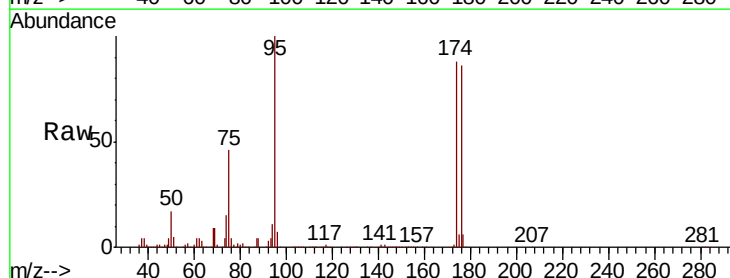
Instrument :
MSVOA_N
ClientSampleId :
P001-SD009-0006-01ME

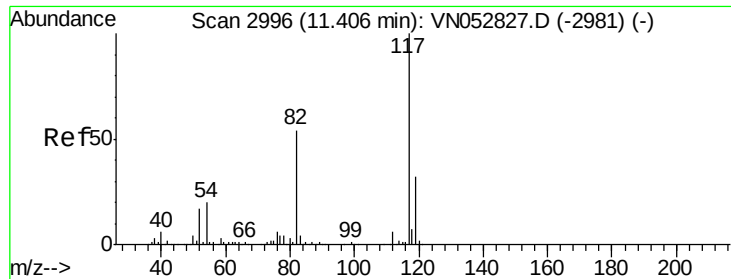
Tot Ion: 43 Resp: 1734
Ion Ratio Lower Upper
43 100
58 58.0 28.1 84.3



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052946.D
Acq: 18 Dec 2018 00:31

Tgt Ion: 95 Resp: 716365
Ion Ratio Lower Upper
95 100
174 89.5 0.0 178.8
176 86.7 0.0 173.8

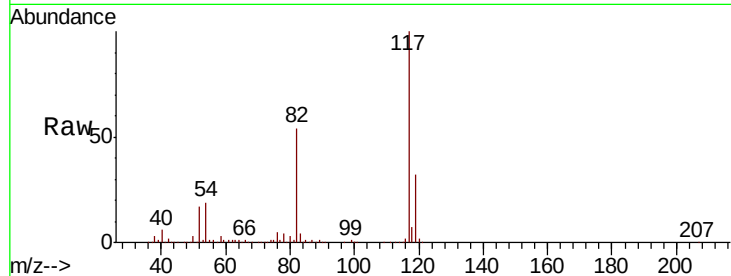




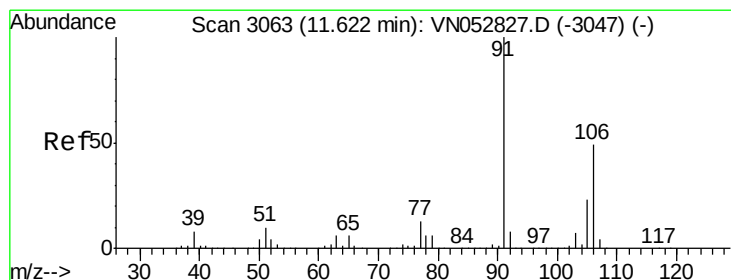
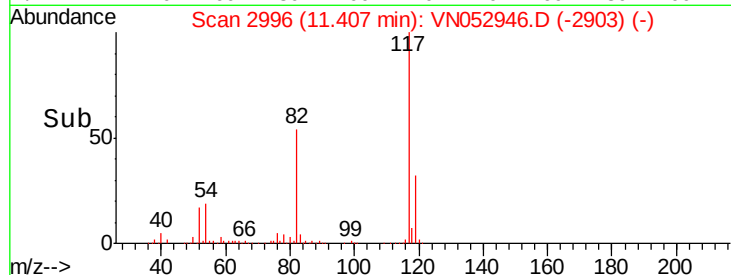
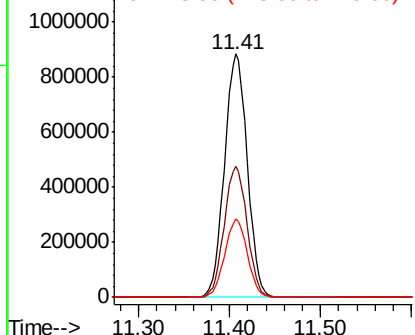
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052946.D
Acq: 18 Dec 2018 00:31

Instrument :
MSVOA_N
ClientSampleId :
P001-SD009-0006-01ME

Tot Ion:117 Resp: 1537340
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 32.0 25.5 38.3

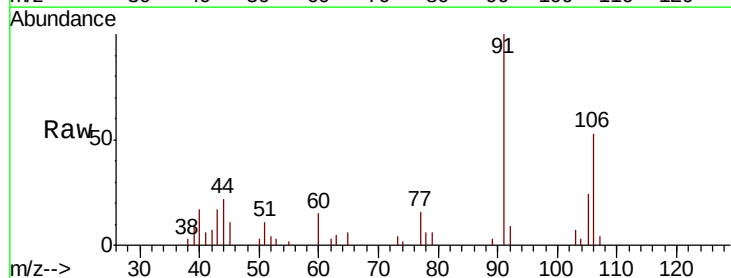


Abundance Ion 116.90 (116.60 to 117.60): V
1200000 Ion 82.00 (81.70 to 82.70): VN
1000000 Ion 118.90 (118.60 to 119.60): V

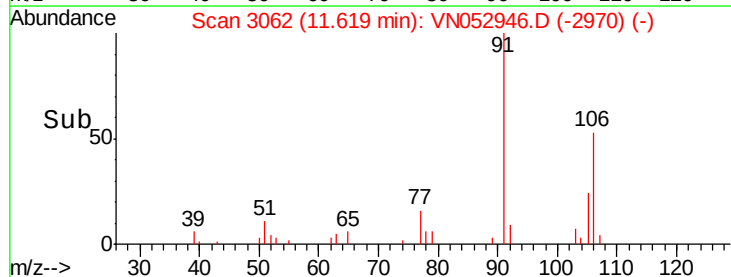
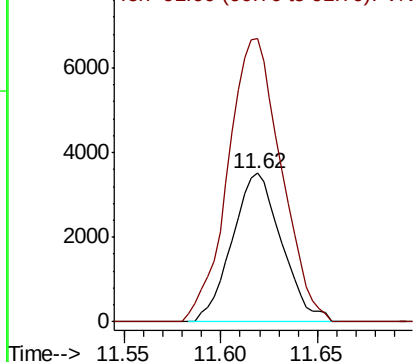


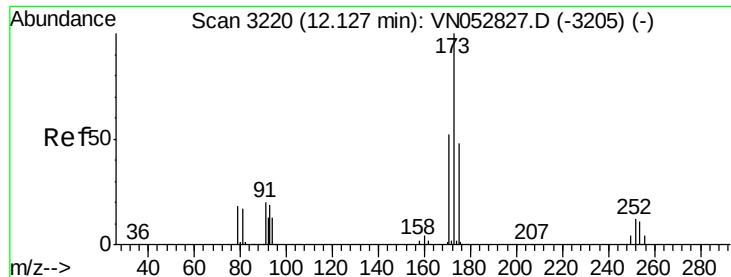
#68
m/p-Xylenes
Concen: 0.304 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052946.D
Acq: 18 Dec 2018 00:31

Tgt Ion:106 Resp: 6256
Ion Ratio Lower Upper
106 100
91 204.3 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): V
8000 Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 0.541 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052946.D

Acq: 18 Dec 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

P001-SD009-0006-01ME

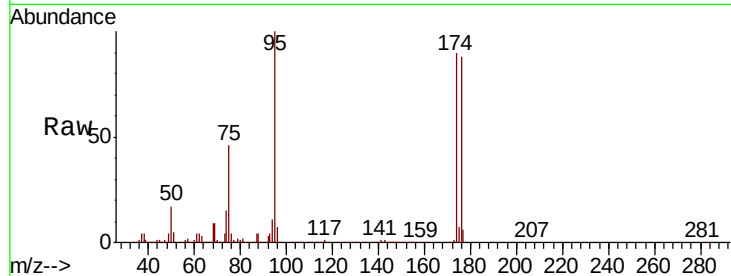
Tot Ion:173 Resp: 4074

Ion Ratio Lower Upper

173 100

175 1015.8 24.3 72.9#

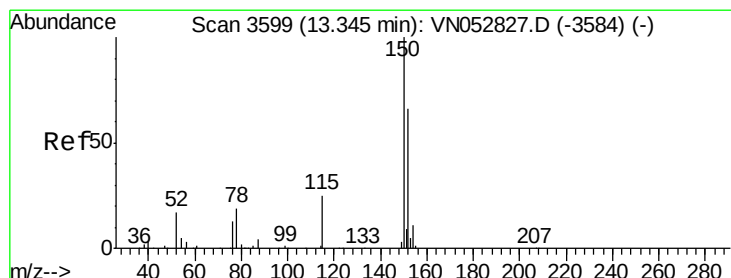
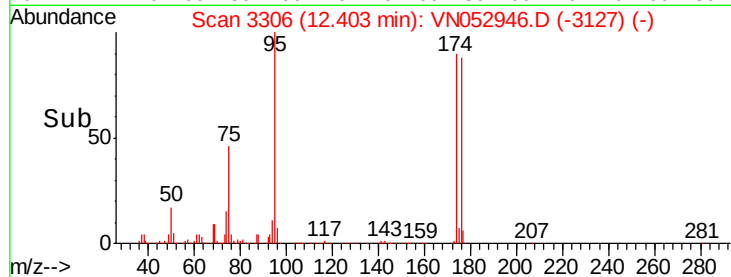
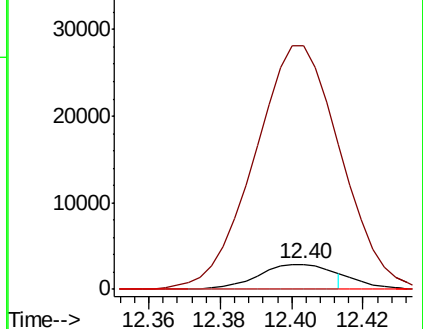
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052946.D

Acq: 18 Dec 2018 00:31

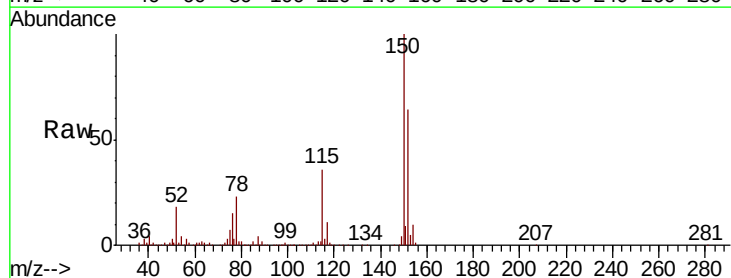
Tgt Ion:152 Resp: 705082

Ion Ratio Lower Upper

152 100

115 55.4 28.3 85.0

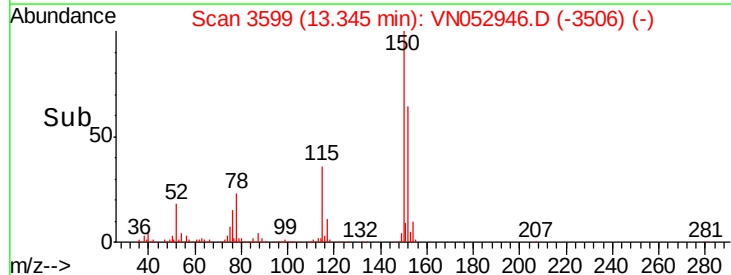
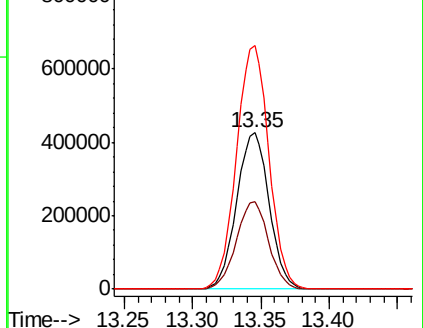
150 155.3 0.0 347.8

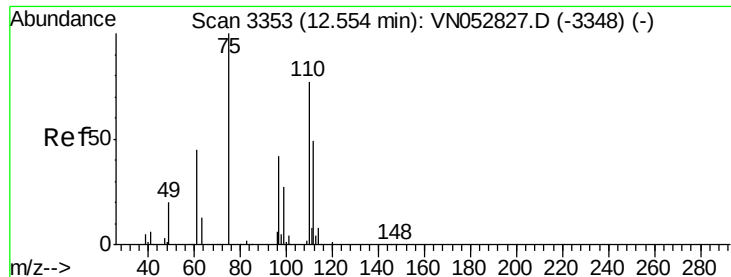


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 32.248 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052946.D

Acq: 18 Dec 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

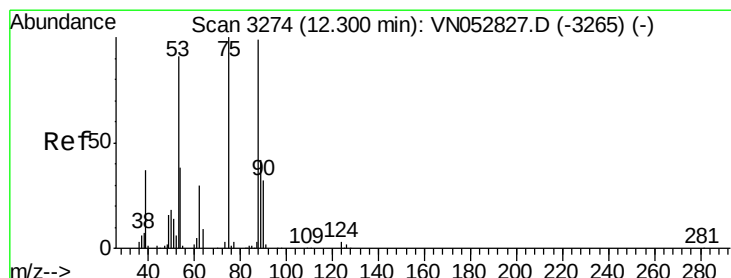
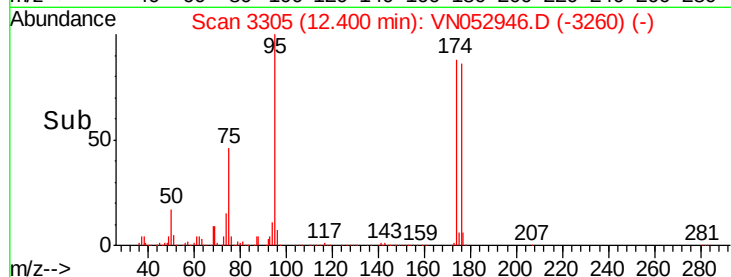
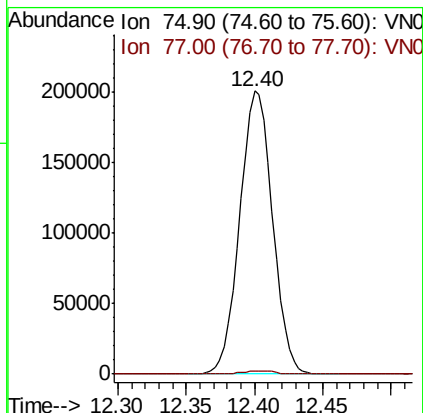
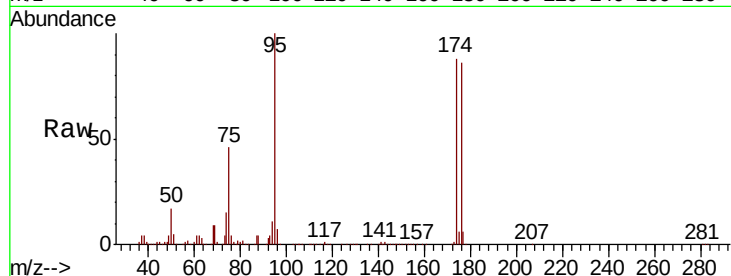
P001-SD009-0006-01ME

Tot Ion: 75 Resp: 335469

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.597 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052946.D

Acq: 18 Dec 2018 00:31

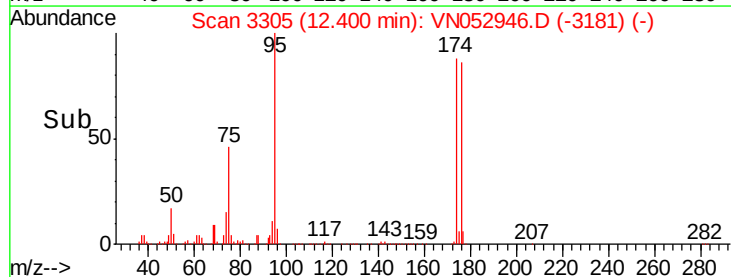
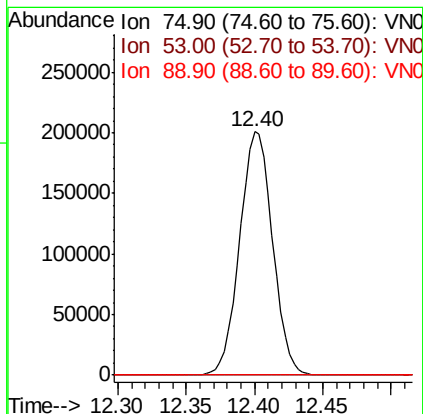
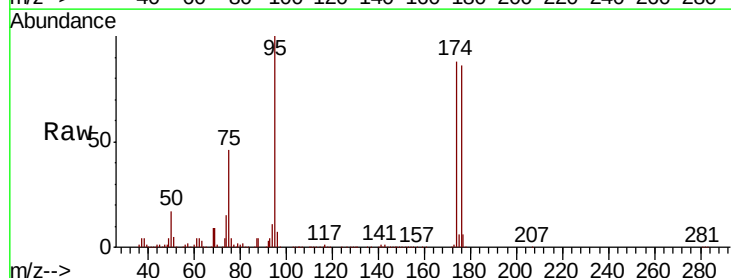
Tgt Ion: 75 Resp: 335469

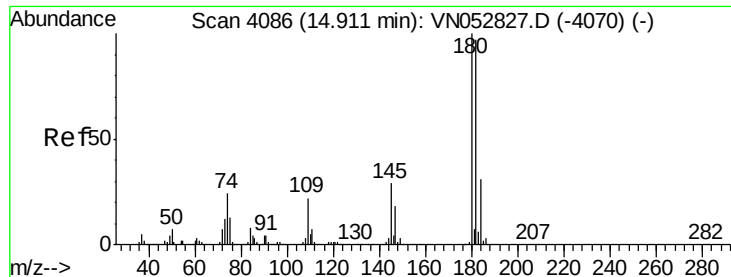
Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#

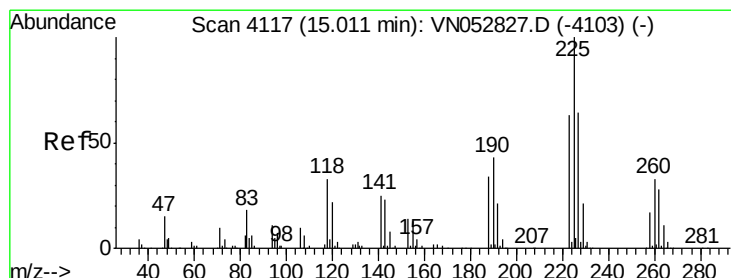
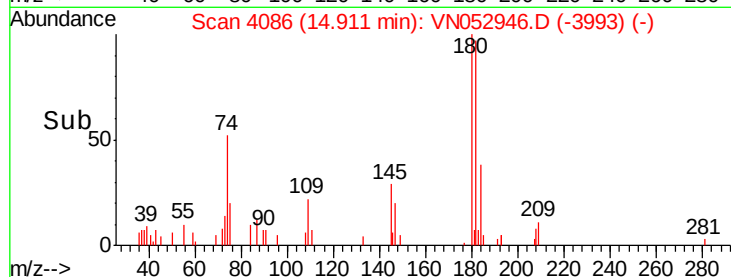
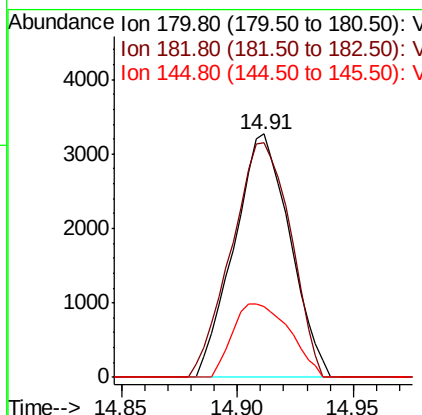
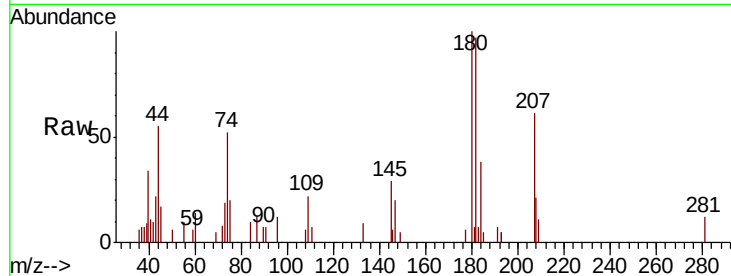




#93
 1,2,4-Trichlorobenzene
 Concen: 0.438 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052946.D
 Acq: 18 Dec 2018 00:31

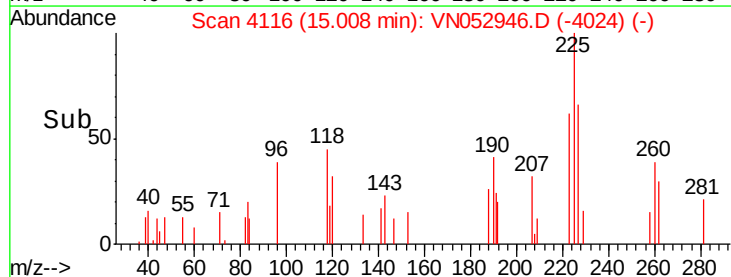
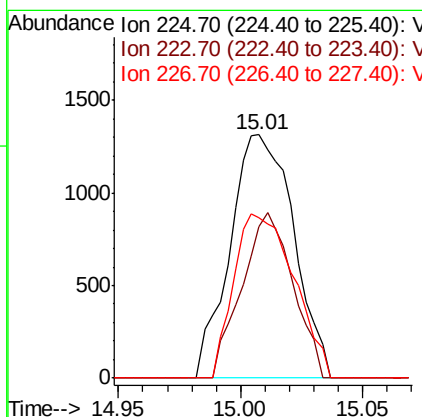
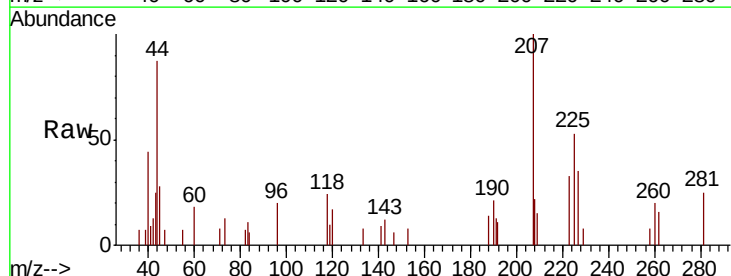
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD009-0006-01ME

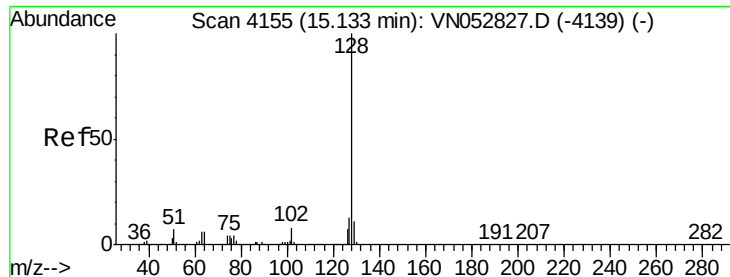
Tot Ion:180 Resp: 5455
 Ion Ratio Lower Upper
 180 100
 182 101.9 47.8 143.3
 145 30.8 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 0.330 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052946.D
 Acq: 18 Dec 2018 00:31

Tgt Ion:225 Resp: 2378
 Ion Ratio Lower Upper
 225 100
 223 54.6 31.5 94.5
 227 63.7 31.9 95.7





#95

Naphthalene

Concen: 0.636 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052946.D

Acq: 18 Dec 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

P001-SD009-0006-01ME

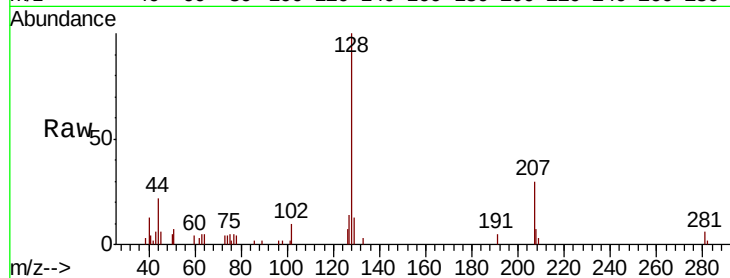
Tot Ion:128 Resp: 16379

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 11.3 8.6 13.0

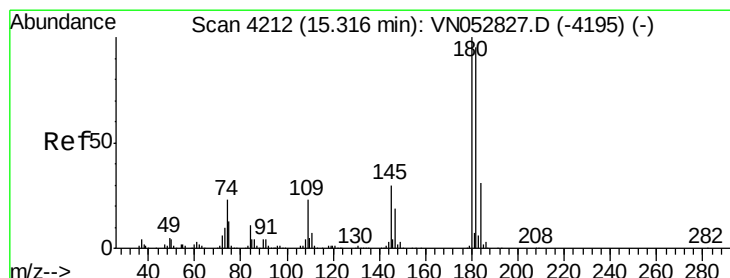
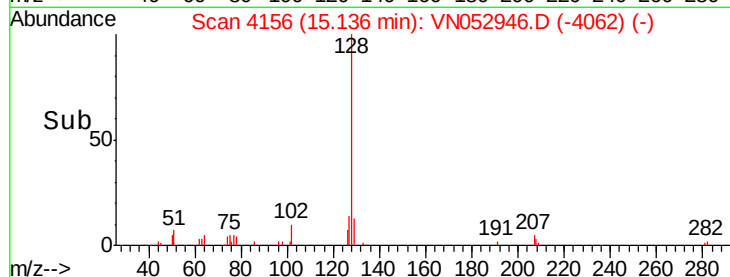
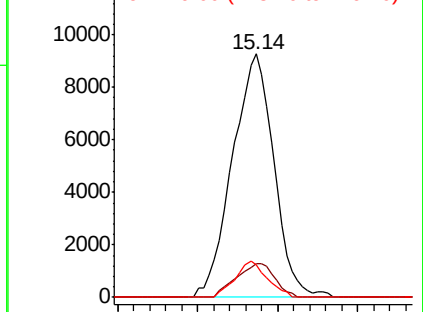


Abundance

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: 0.496 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052946.D

Acq: 18 Dec 2018 00:31

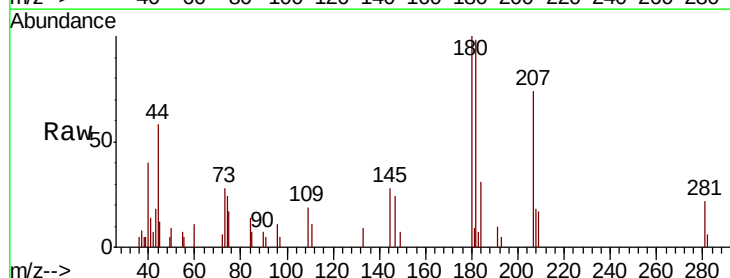
Tgt Ion:180 Resp: 5661

Ion Ratio Lower Upper

180 100

182 105.1 47.9 143.7

145 34.1 15.0 45.0



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

