

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101618\
 Data File : VN051895.D
 Acq On : 16 Oct 2018 14:52
 Operator : MD\SY
 Sample : J5527-04
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-STONE

Quant Time: Oct 17 02:25:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	852817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1230401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1080658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	389475	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	458581	56.26	ug/l	0.00
Spiked Amount			Recovery	=	112.52%	
35) Dibromofluoromethane	7.59	113	457664	59.82	ug/l	0.00
Spiked Amount			Recovery	=	119.64%	
50) Toluene-d8	10.09	98	1672805	58.68	ug/l	0.00
Spiked Amount			Recovery	=	117.36%	
62) 4-Bromofluorobenzene	12.40	95	484429	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	

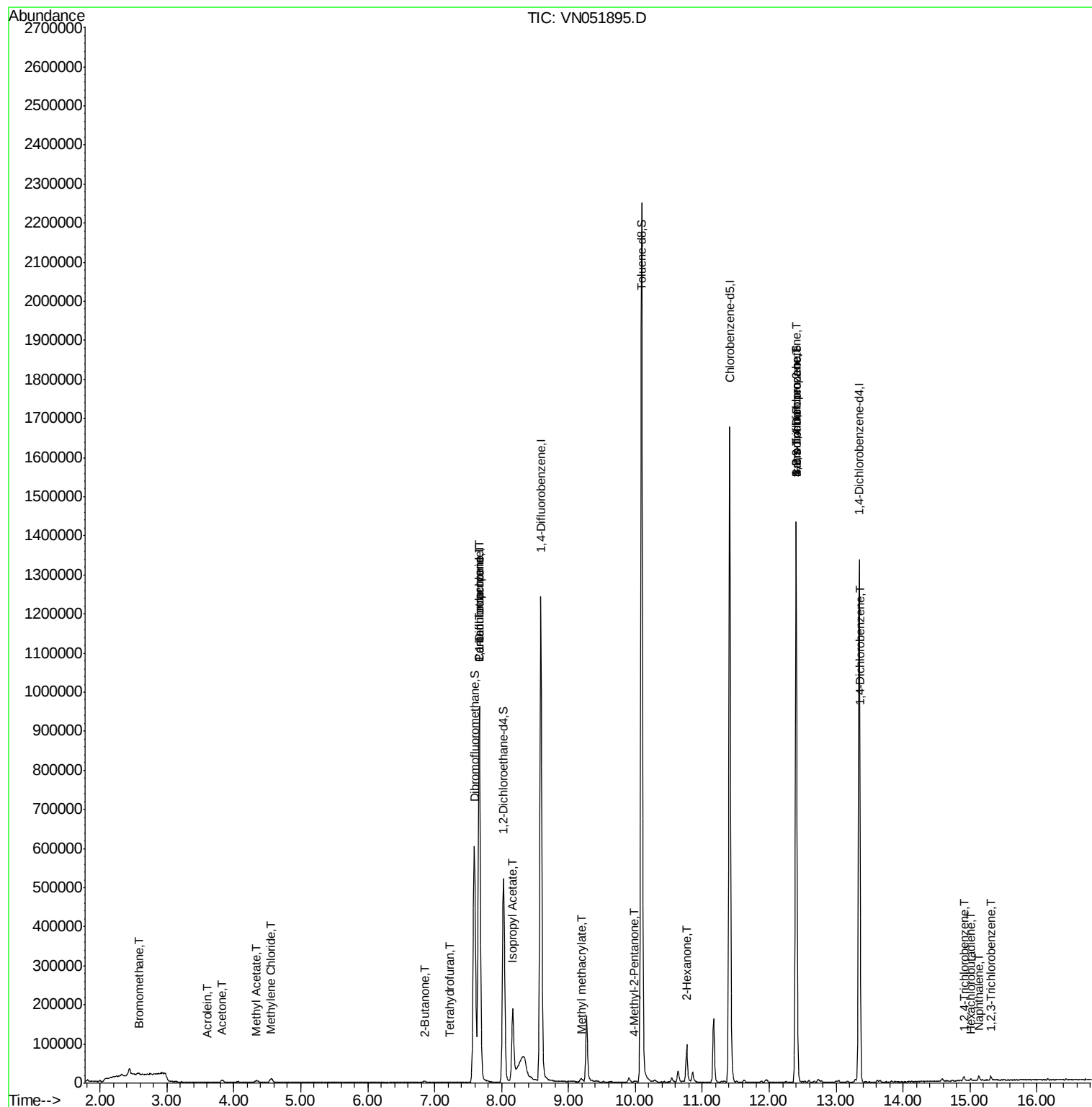
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	2928	0.377	ug/l	82
13) Acrolein	3.61	56	60	16.032	ug/l #	75
16) Acetone	3.83	43	9931	5.649	ug/l #	84
18) Methyl Acetate	4.34	43	8241	0.716	ug/l #	88
20) Methylene Chloride	4.55	84	8546	1.175	ug/l #	77
25) 2-Butanone	6.84	43	1285	0.517	ug/l	94
29) Tetrahydrofuran	7.22	42	1458	0.985	ug/l #	72
31) Cyclohexane	7.67	56	14406	Below Cal	#	19
36) 1,1-Dichloropropene	7.67	75	52075	5.228	ug/l #	51
38) Carbon Tetrachloride	7.67	117	76050	6.587	ug/l #	15
43) Isopropyl Acetate	8.17	43	227410	21.972	ug/l	96
48) Methyl methacrylate	9.18	41	5357	1.176	ug/l #	25
51) 4-Methyl-2-Pentanone	9.99	43	1304	0.246	ug/l	92
59) 2-Hexanone	10.76	43	12990	3.484	ug/l	69
71) Bromoform	12.40	173	2004	3.863	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	240235	49.994	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	240235	142.041	ug/l #	15
88) 1,4-Dichlorobenzene	13.36	146	3300	0.266	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	4303	4.265	ug/l	91
94) Hexachlorobutadiene	15.01	225	1054	0.264	ug/l	84
95) Naphthalene	15.13	128	11738	5.142	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	4150	3.474	ug/l	99

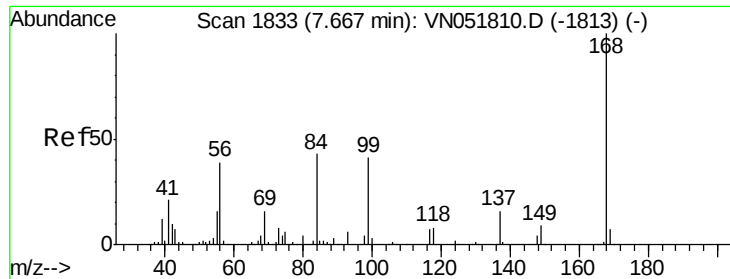
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101618\
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Acq On : 16 Oct 2018 14:52
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Quant Time: Oct 17 02:25:29 2018
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Quant Title : SW846 8260
QLast Update : Fri Oct 12 09:51:20 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: VN051895.D

Acq: 16 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

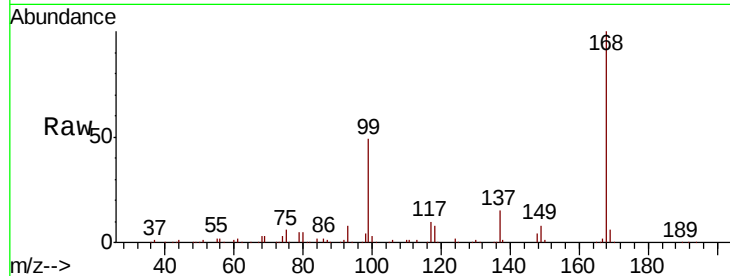
SP-STONE

Tgt Ion:168 Resp: 852817

Ion Ratio Lower Upper

168 100

99 48.8 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN051810.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051810.D (-1813) (-)

7.67

400000

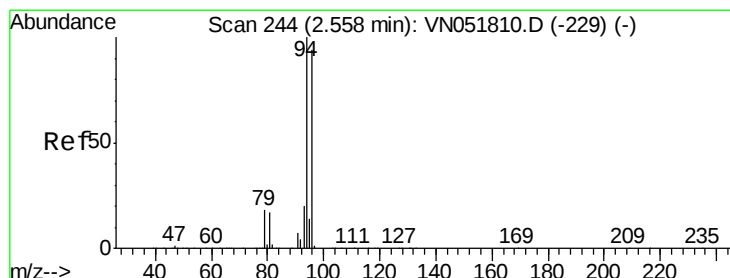
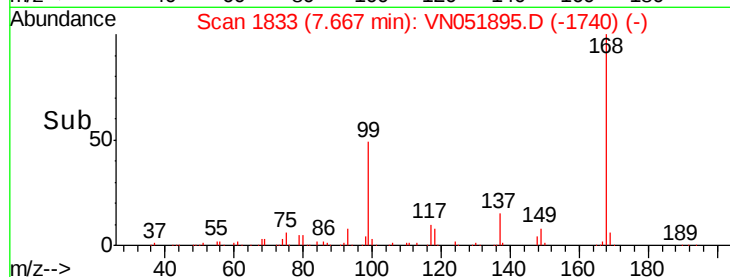
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.377 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051895.D

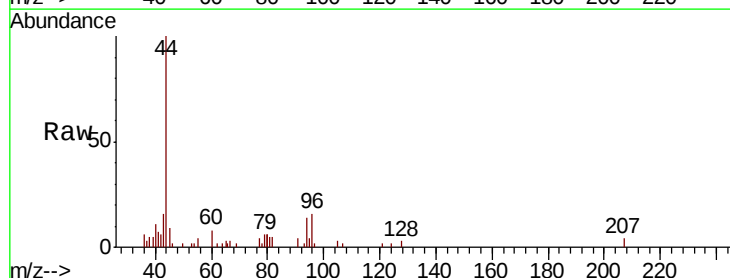
Acq: 16 Oct 2018 14:52

Tgt Ion: 94 Resp: 2928

Ion Ratio Lower Upper

94 100

96 113.1 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN051810.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051810.D (-229) (-)

2.57

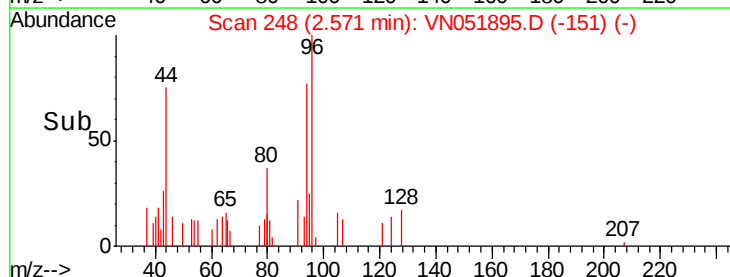
1500

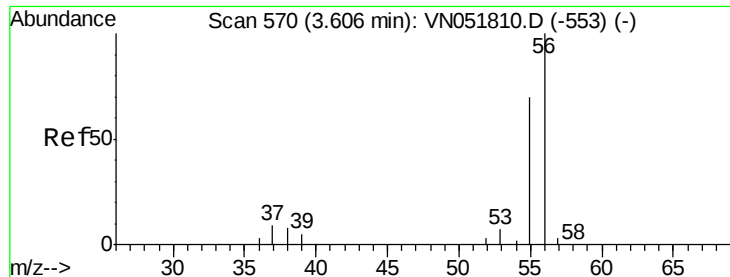
1000

500

0

Time-->





#13

Acrolein

Concen: 16.032 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051895.D

Acq: 16 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

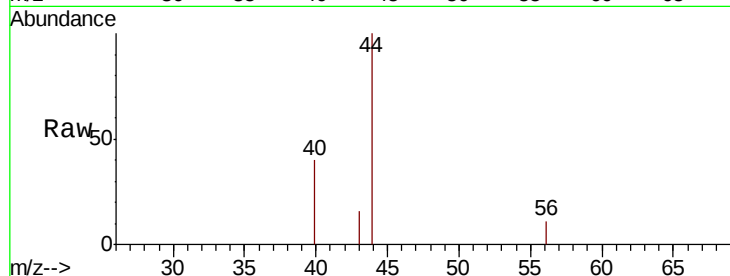
SP-STONE

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

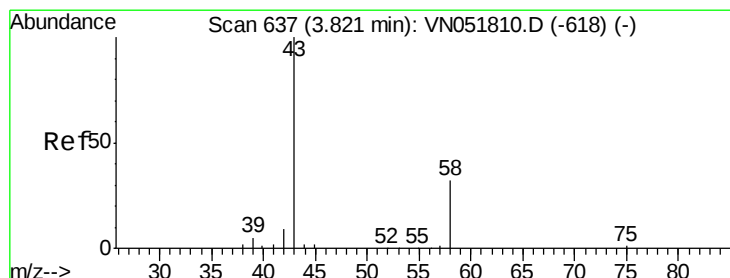
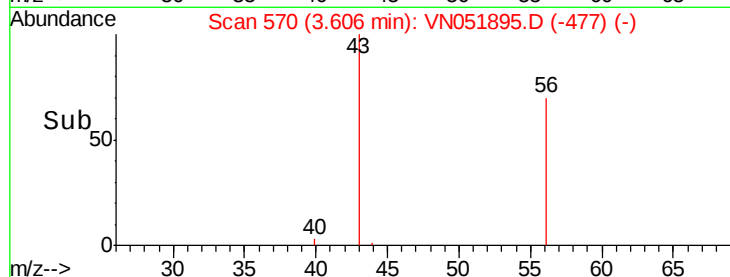
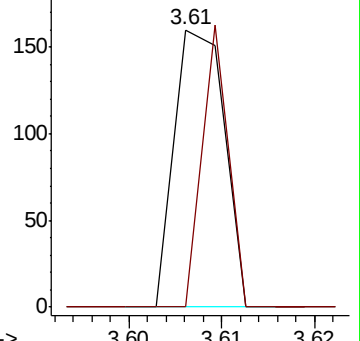
56 100

55 51.7 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 5.649 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051895.D

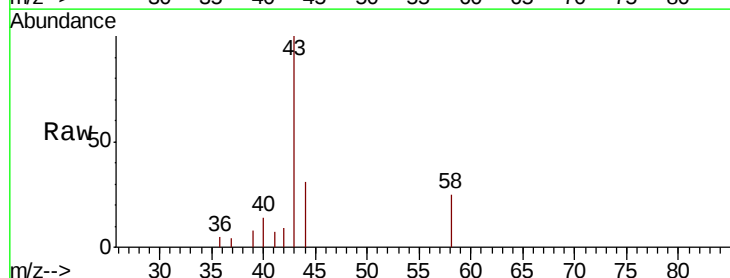
Acq: 16 Oct 2018 14:52

Tgt Ion: 43 Resp: 9931

Ion Ratio Lower Upper

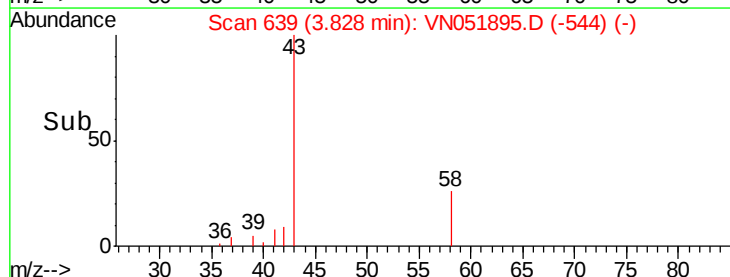
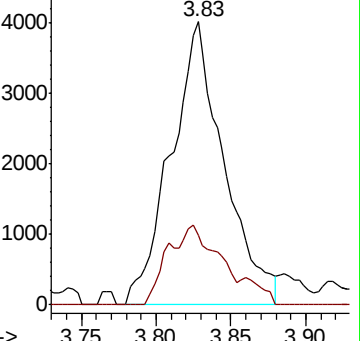
43 100

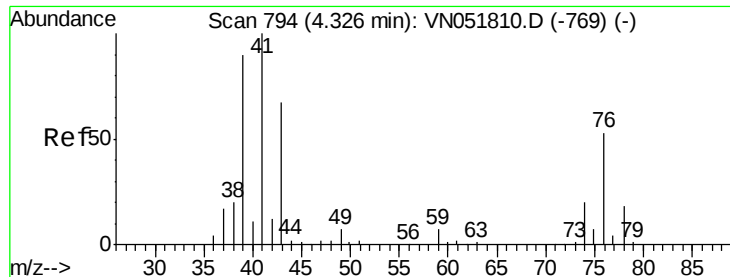
58 24.8 27.2 40.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

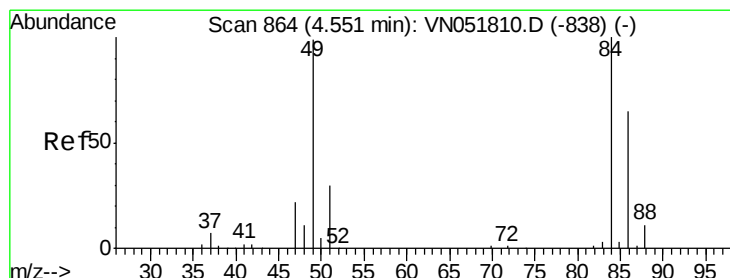
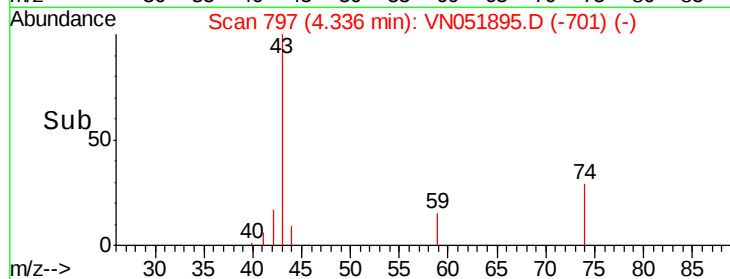
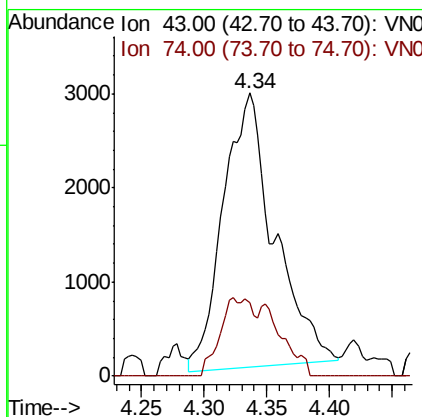
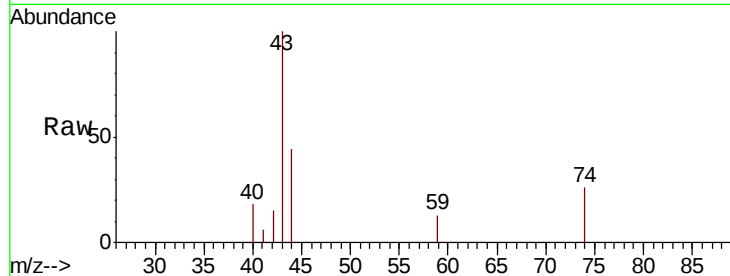




#18
Methyl Acetate
Concen: 0.716 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051895.D
Acq: 16 Oct 2018 14:52

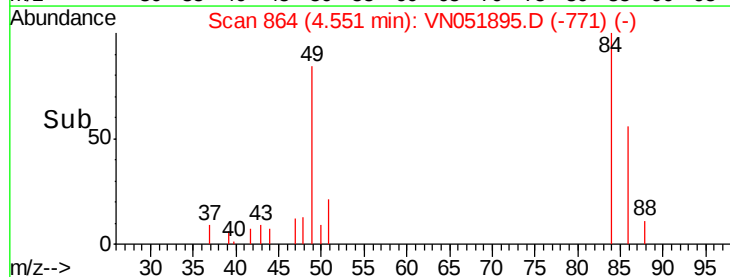
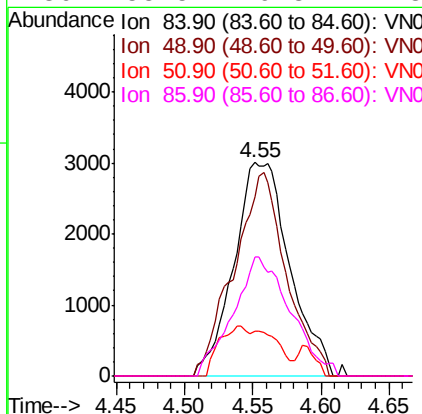
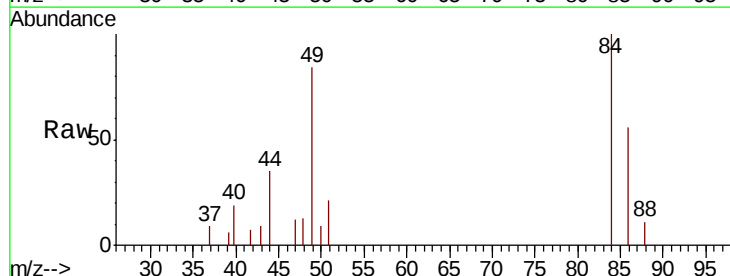
Instrument :
MSVOA_N
ClientSampleId :
SP-STONE

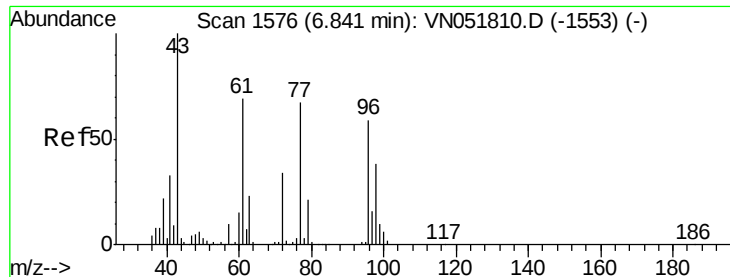
Tgt Ion: 43 Resp: 8241
Ion Ratio Lower Upper
43 100
74 19.0 19.8 29.8#



#20
Methylene Chloride
Concen: 1.175 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051895.D
Acq: 16 Oct 2018 14:52

Tgt Ion: 84 Resp: 8546
Ion Ratio Lower Upper
84 100
49 84.2 93.2 139.8#
51 20.8 29.0 43.6#
86 55.5 49.8 74.8

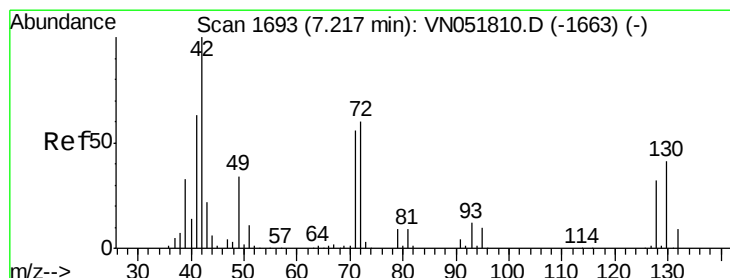
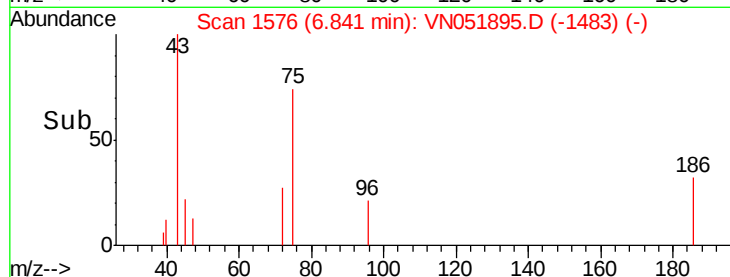
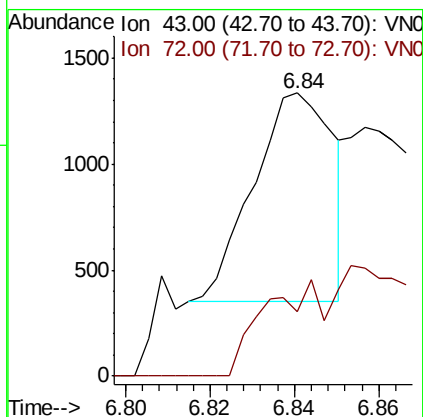
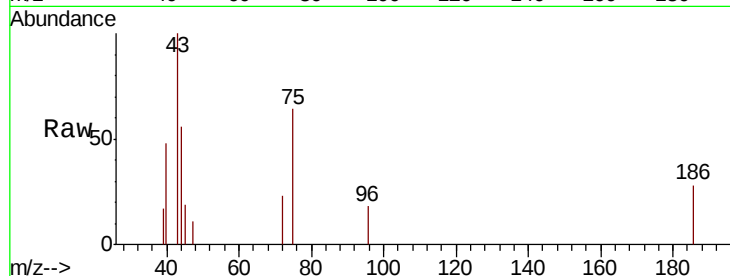




#25
2-Butanone
Concen: 0.517 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051895.D
Acq: 16 Oct 2018 14:52

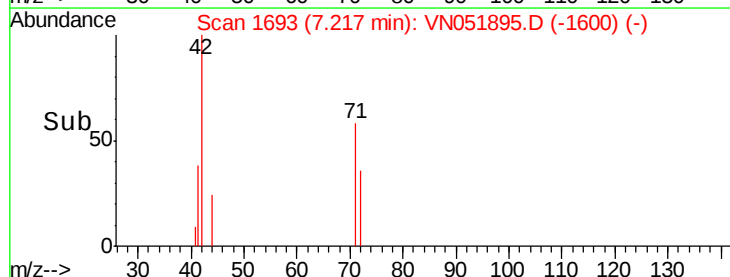
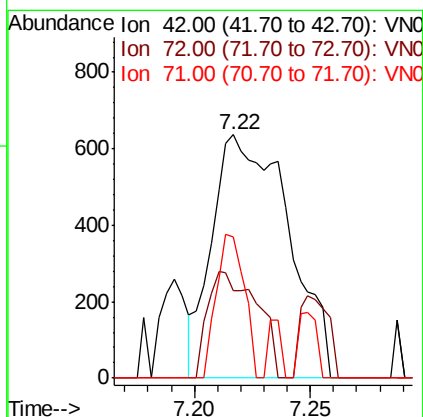
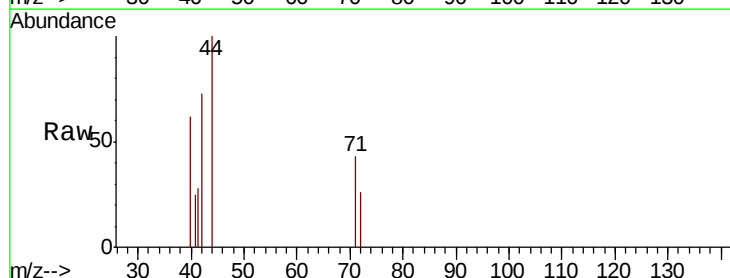
Instrument :
MSVOA_N
ClientSampled :
SP-STONE

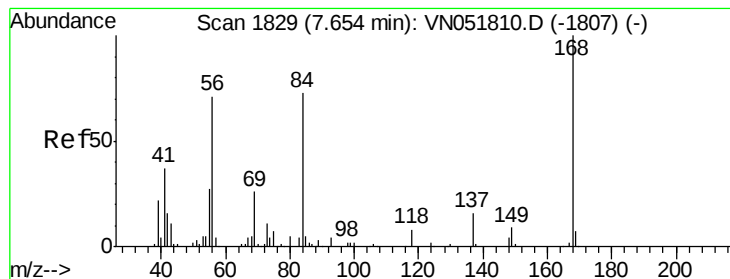
Tgt Ion: 43 Resp: 1285
Ion Ratio Lower Upper
43 100
72 30.9 22.3 33.5



#29
Tetrahydrofuran
Concen: 0.985 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051895.D
Acq: 16 Oct 2018 14:52

Tgt Ion: 42 Resp: 1458
Ion Ratio Lower Upper
42 100
72 28.4 35.5 53.3#
71 21.7 33.7 50.5#





#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN051895.D

Acq: 16 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampled :

SP-STONE

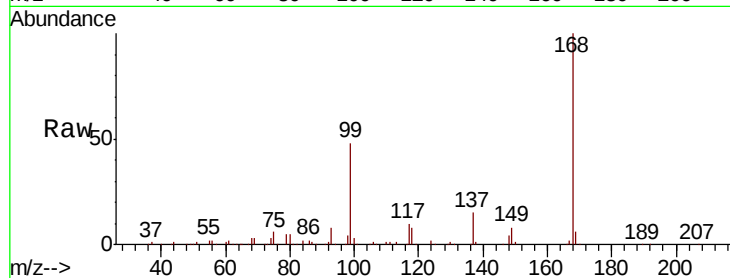
Tgt Ion: 56 Resp: 14406

Ion Ratio Lower Upper

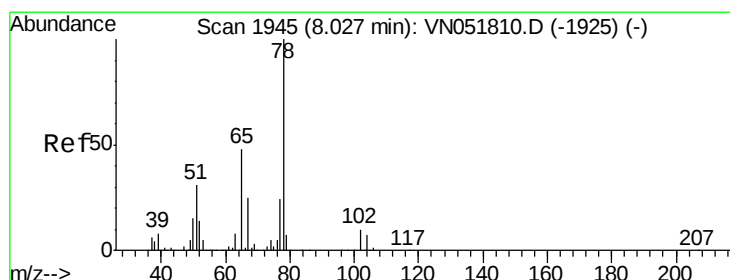
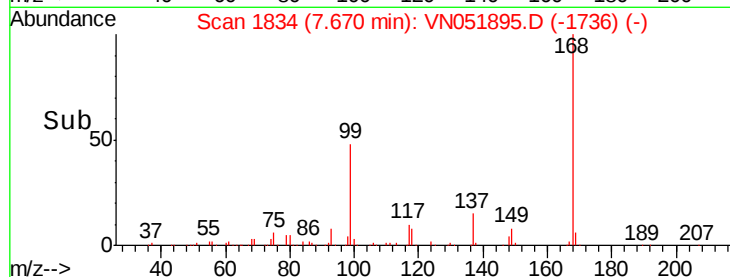
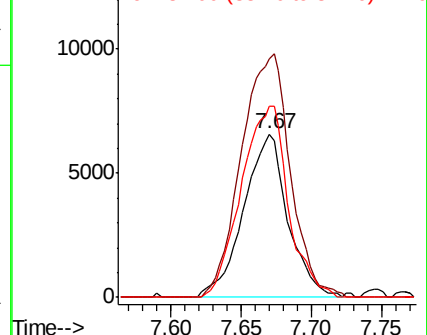
56 100

69 146.5 26.2 39.4#

84 116.9 68.3 102.5#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051895.D

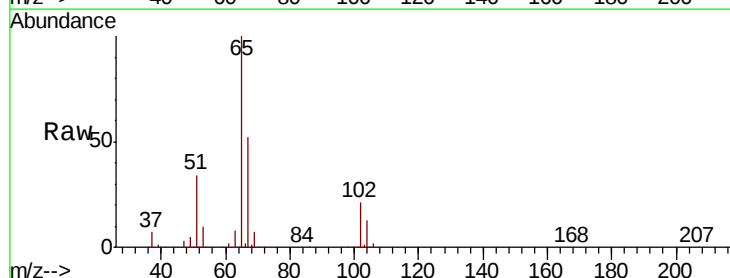
Acq: 16 Oct 2018 14:52

Tgt Ion: 65 Resp: 458581

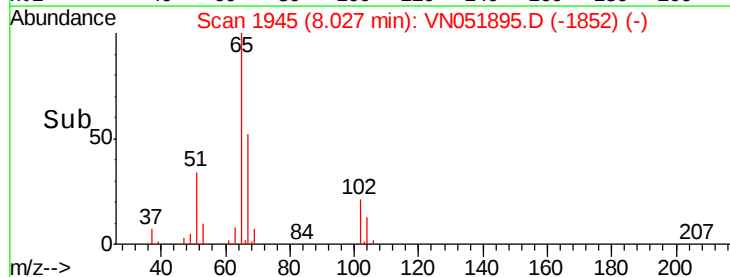
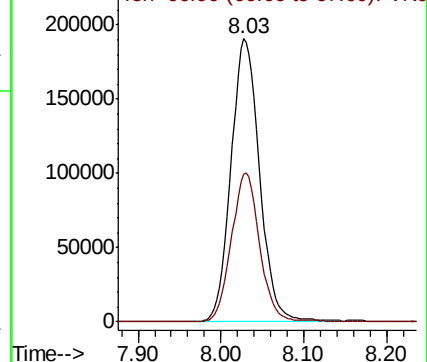
Ion Ratio Lower Upper

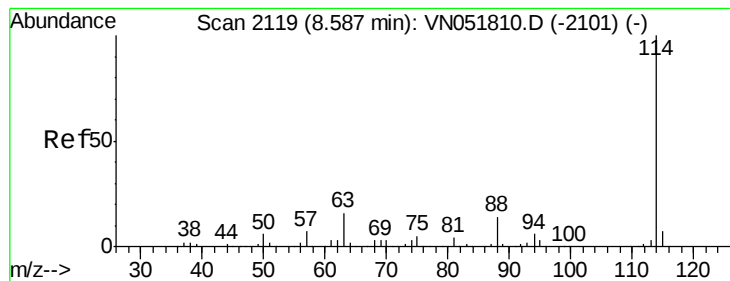
65 100

67 51.7 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051895.D

Acq: 16 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

SP-STONE

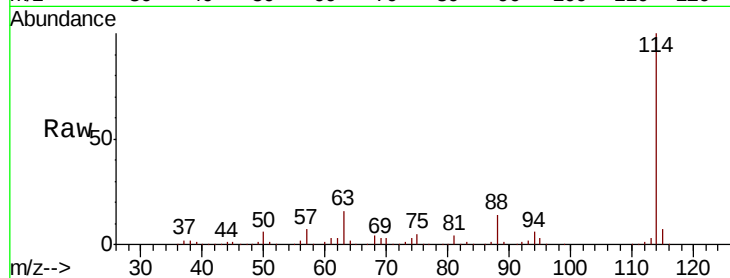
Tgt Ion:114 Resp: 1230401

Ion Ratio Lower Upper

114 100

63 16.3 0.0 38.6

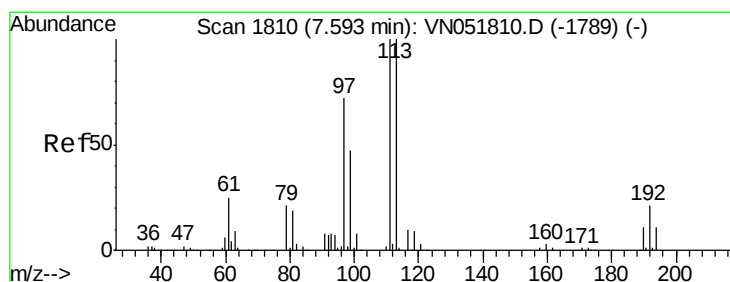
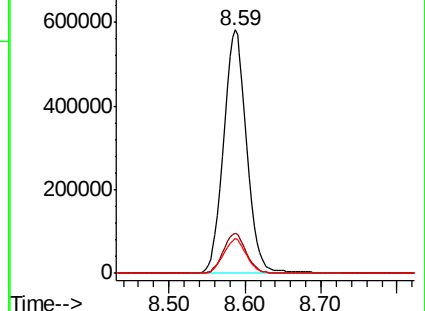
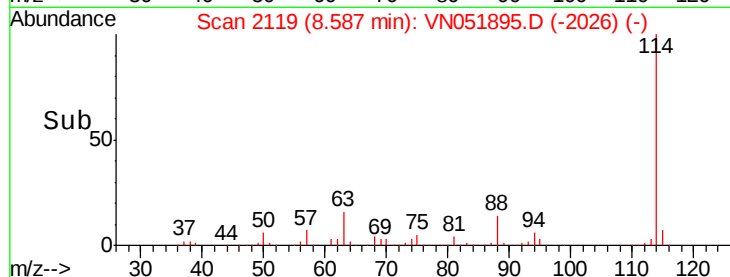
88 14.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051895.D

Acq: 16 Oct 2018 14:52

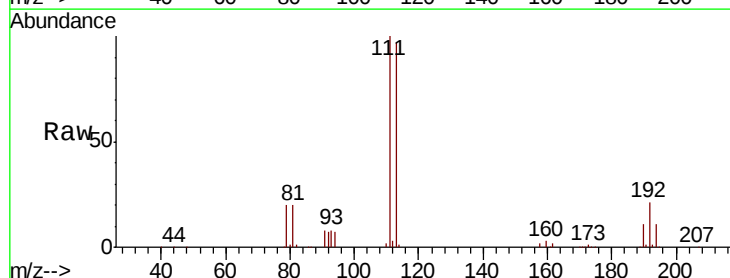
Tgt Ion:113 Resp: 457664

Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

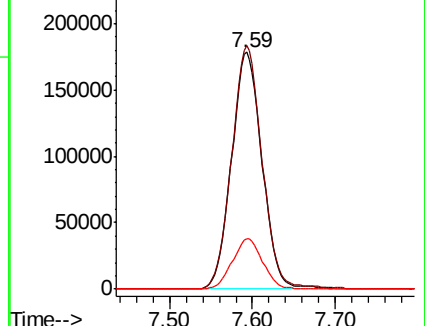
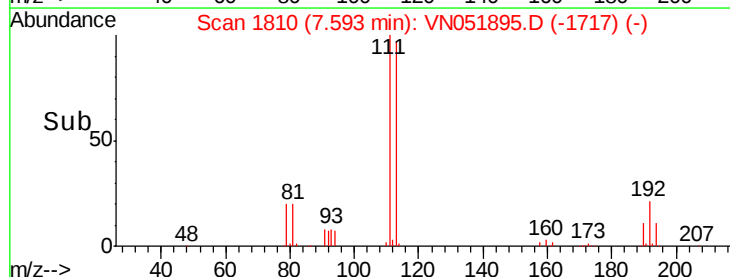
192 21.0 18.0 27.0

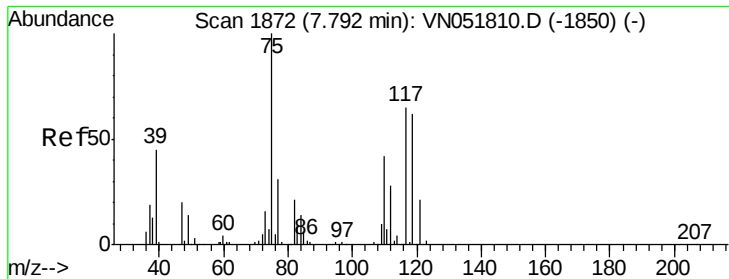


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

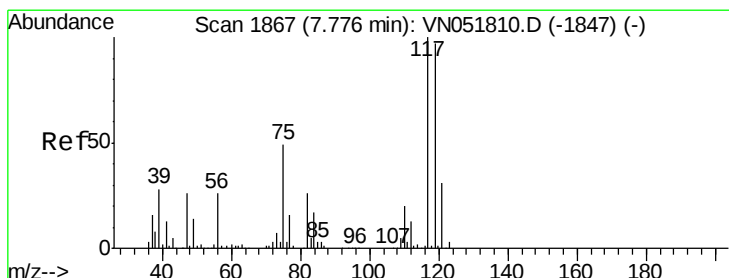
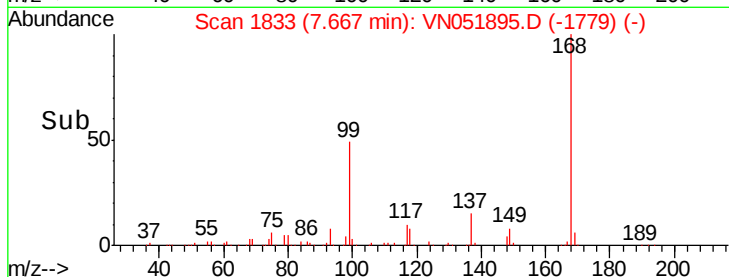
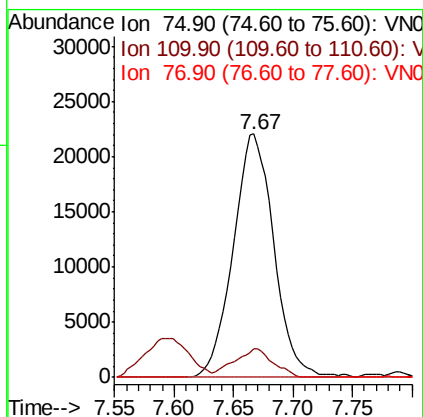
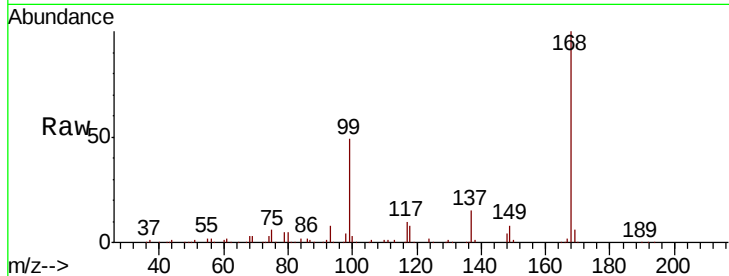




#36
 1,1-Dichloropropene
 Concen: 5.228 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051895.D
 Acq: 16 Oct 2018 14:52

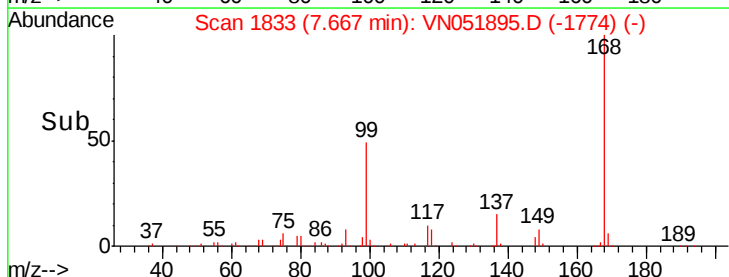
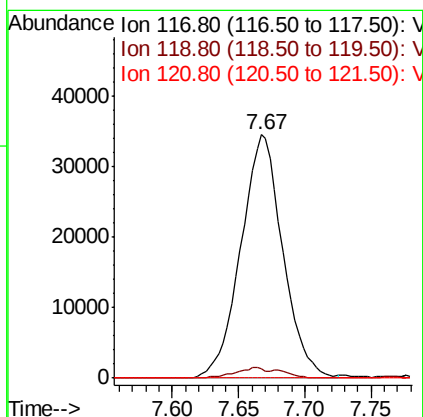
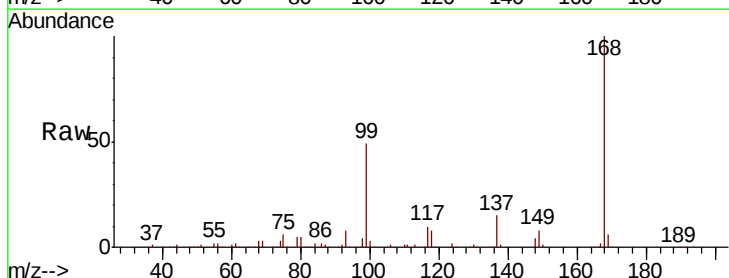
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-STONE

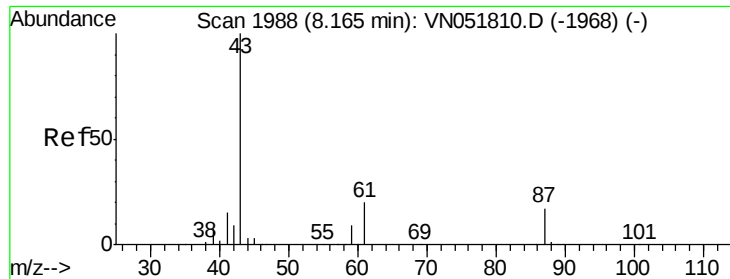
Tgt Ion: 75 Resp: 52075
 Ion Ratio Lower Upper
 75 100
 110 11.2 18.1 54.4#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.587 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051895.D
 Acq: 16 Oct 2018 14:52

Tgt Ion: 117 Resp: 76050
 Ion Ratio Lower Upper
 117 100
 119 3.7 76.3 114.5#
 121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 21.972 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051895.D

Acq: 16 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

SP-STONE

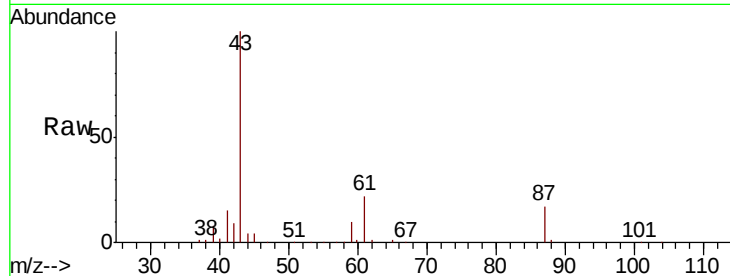
Tgt Ion: 43 Resp: 227410

Ion Ratio Lower Upper

43 100

61 20.3 17.5 26.3

87 16.4 11.3 16.9

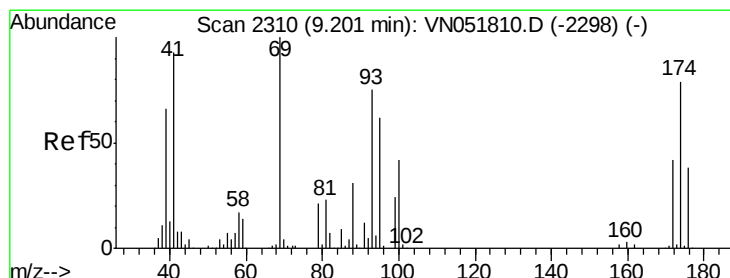
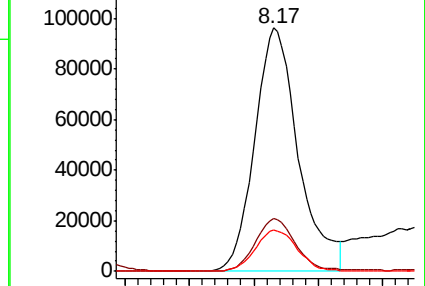
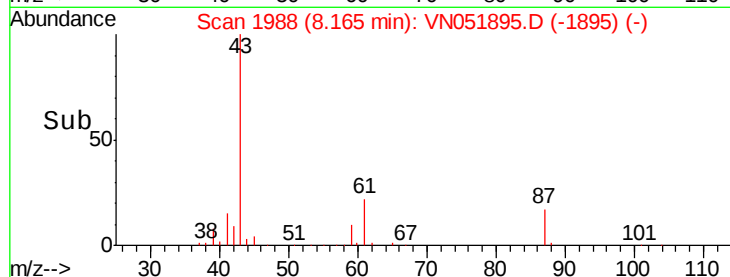


Abundance Ion 43.00 (42.70 to 43.70): VN051810.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN051810.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN051810.D (-1968) (-)

Time-->



#48

Methyl methacrylate

Concen: 1.176 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN051895.D

Acq: 16 Oct 2018 14:52

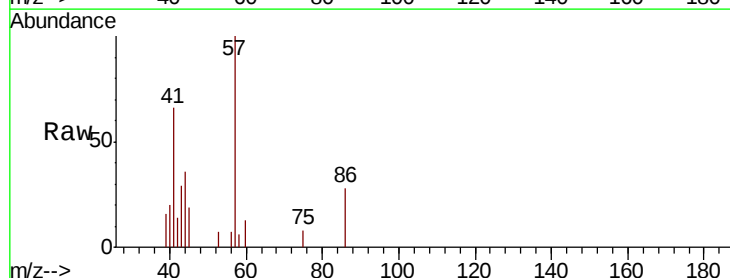
Tgt Ion: 41 Resp: 5357

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 27.4 42.2 63.2#

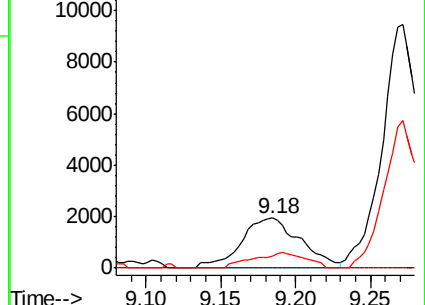
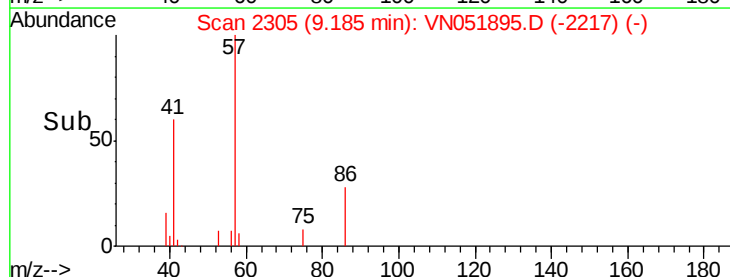


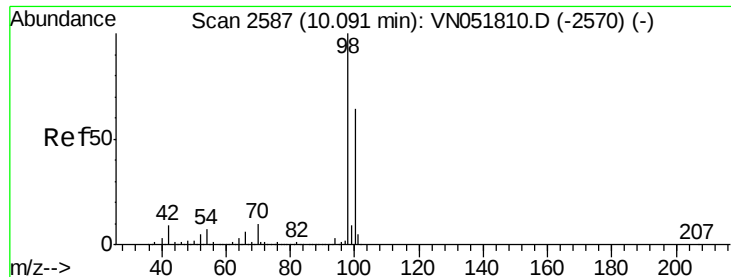
Abundance Ion 41.00 (40.70 to 41.70): VN051810.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051810.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051810.D (-2298) (-)

Time-->





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051895.D

Acq: 16 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampled :

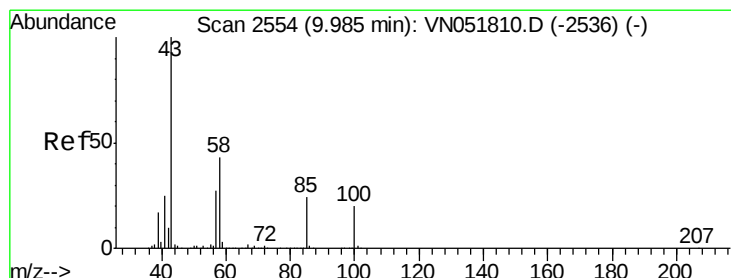
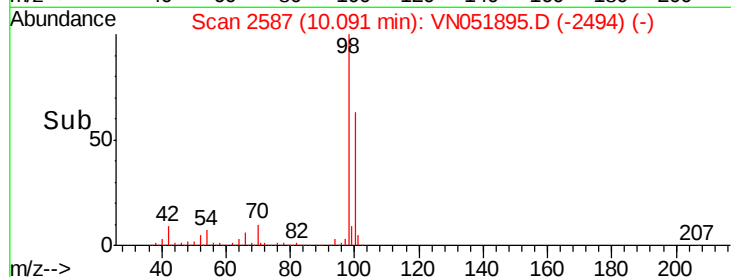
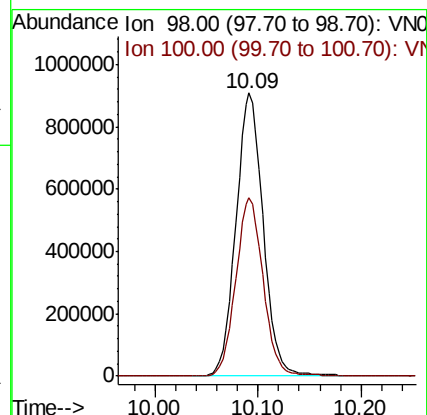
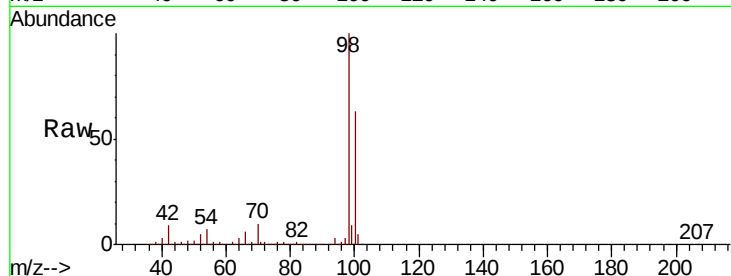
SP-STONE

Tgt Ion: 98 Resp: 1672805

Ion Ratio Lower Upper

98 100

100 63.4 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 0.246 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051895.D

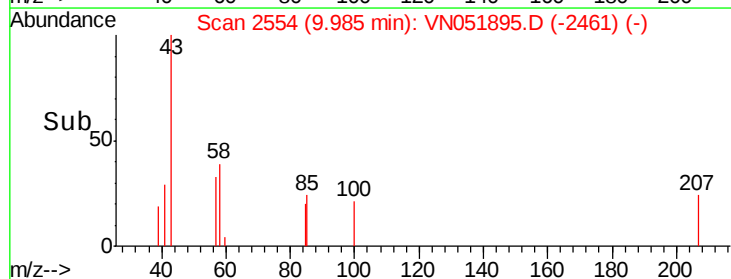
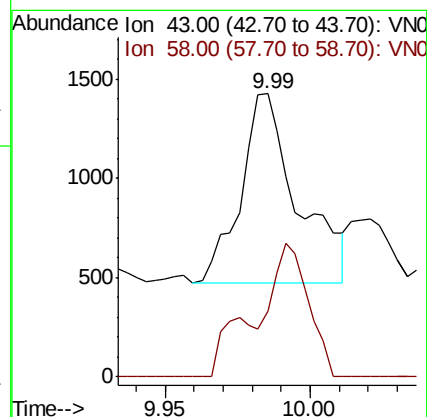
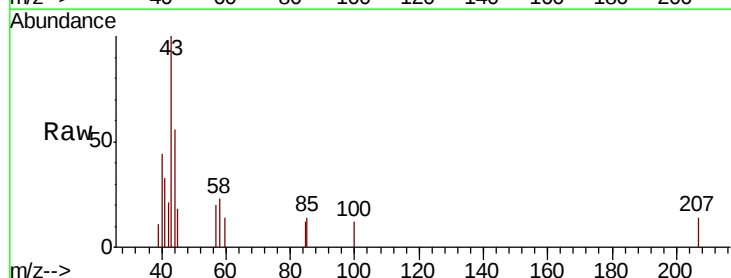
Acq: 16 Oct 2018 14:52

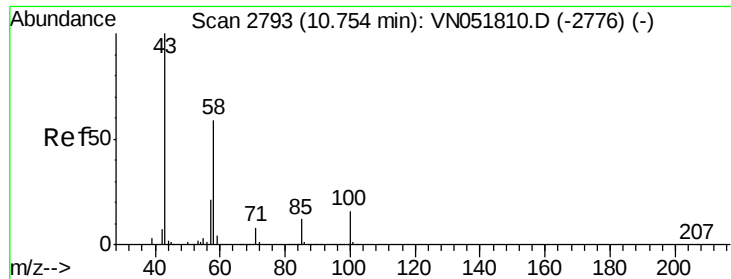
Tgt Ion: 43 Resp: 1304

Ion Ratio Lower Upper

43 100

58 45.2 32.4 48.6

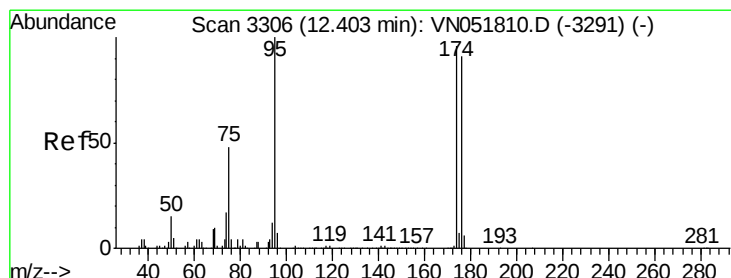
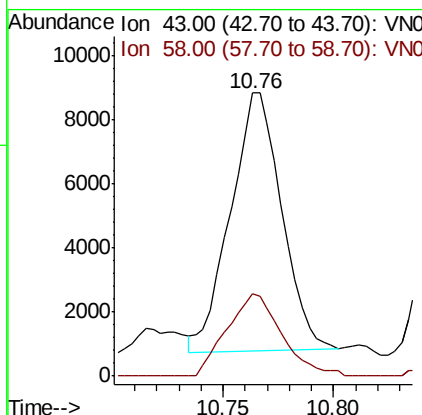
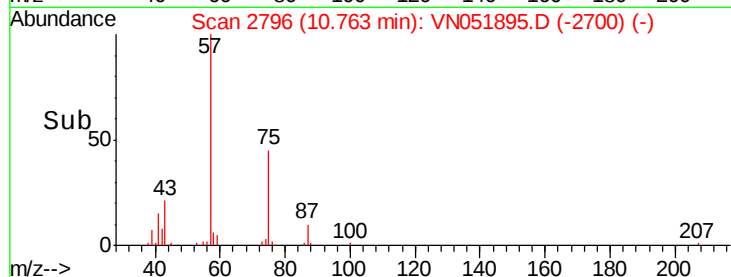
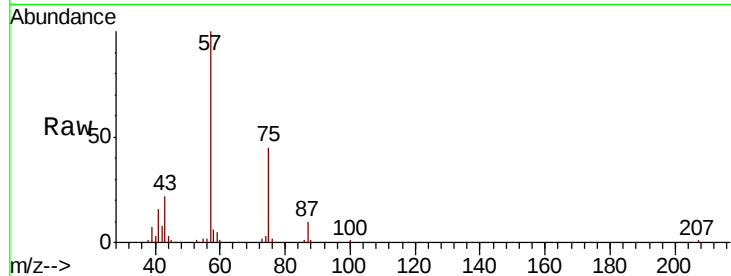




#59
2-Hexanone
Concen: 3.484 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN051895.D
Acq: 16 Oct 2018 14:52

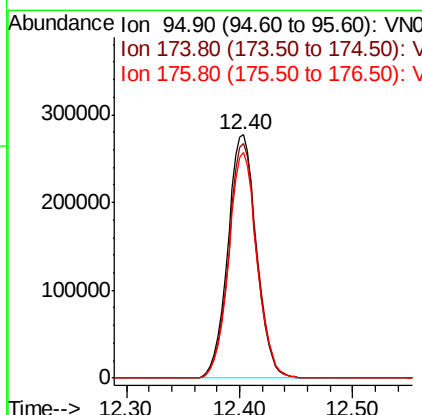
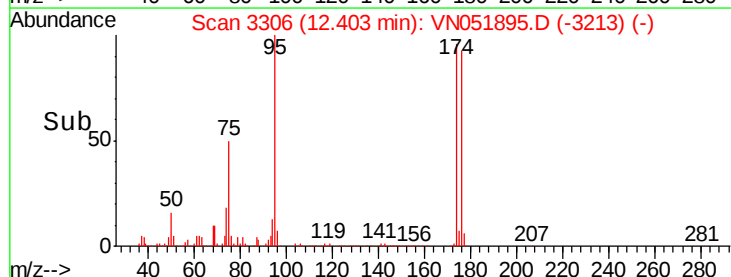
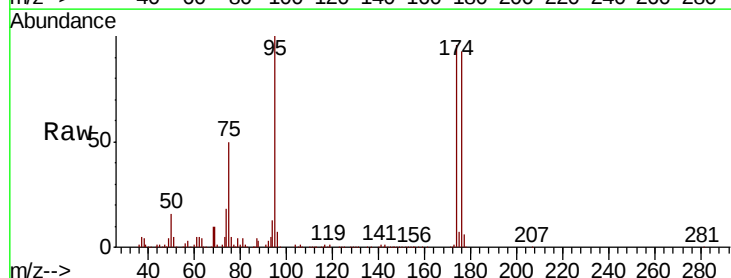
Instrument :
MSVOA_N
ClientSampleId :
SP-STONE

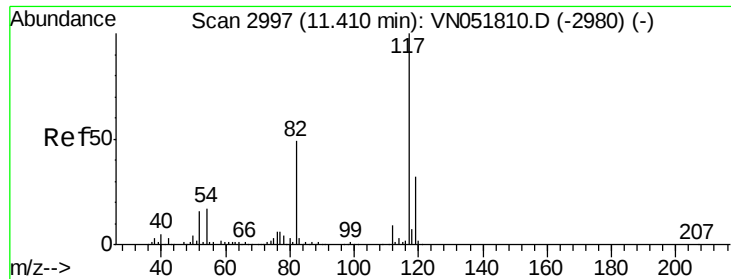
Tgt Ion: 43 Resp: 12990
Ion Ratio Lower Upper
43 100
58 34.1 28.3 85.0



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051895.D
Acq: 16 Oct 2018 14:52

Tgt Ion: 95 Resp: 484429
Ion Ratio Lower Upper
95 100
174 96.3 0.0 183.0
176 91.7 0.0 178.8

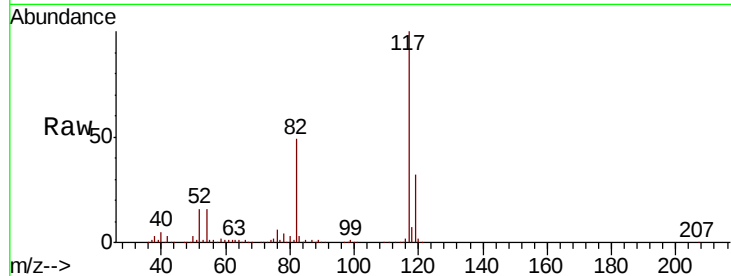




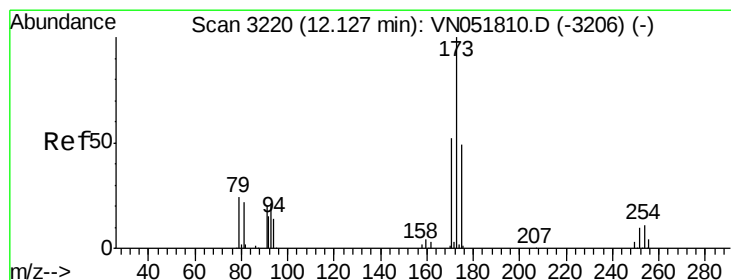
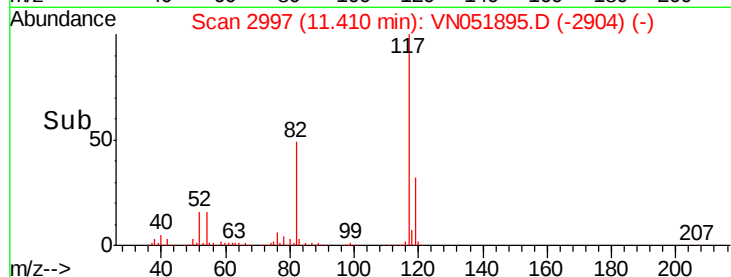
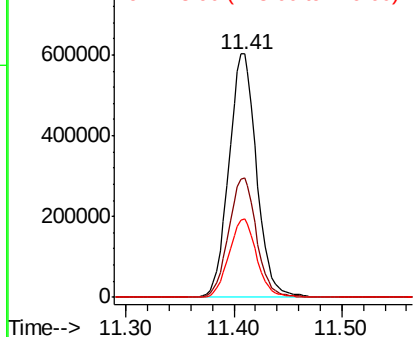
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051895.D
Acq: 16 Oct 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :
SP-STONE

Tgt Ion:117 Resp: 1080658
Ion Ratio Lower Upper
117 100
82 49.1 42.6 64.0
119 32.1 25.8 38.6

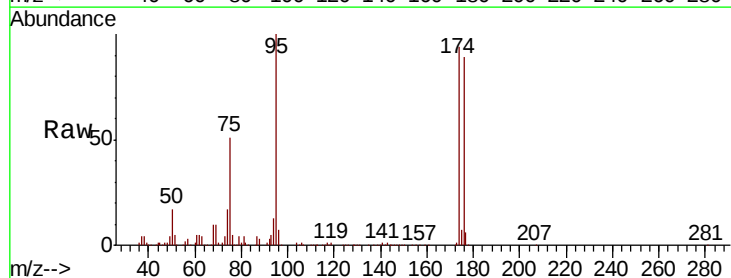


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

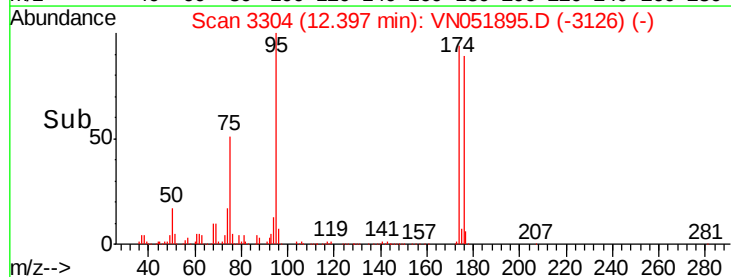
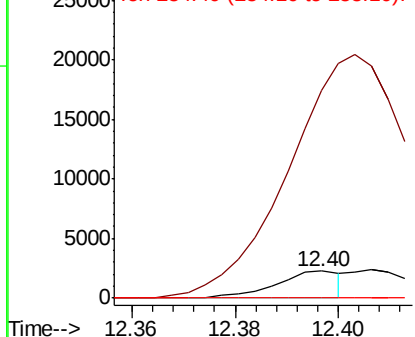


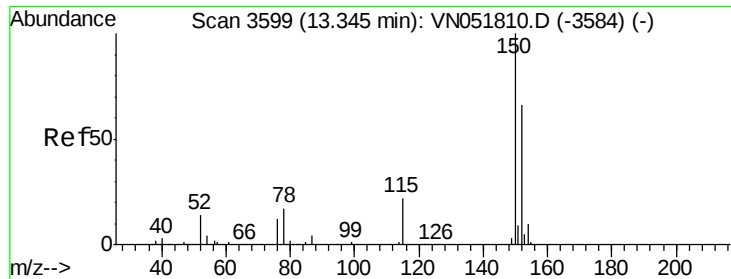
#71
Bromoform
Concen: 3.863 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN051895.D
Acq: 16 Oct 2018 14:52

Tgt Ion:173 Resp: 2004
Ion Ratio Lower Upper
173 100
175 1456.8 24.4 73.4#
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: VN051895.D

Acq: 16 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

SP-STONE

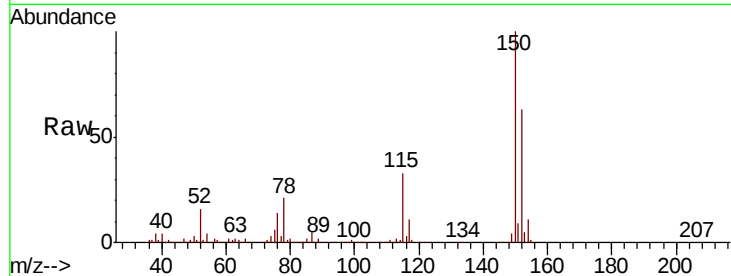
Tgt Ion:152 Resp: 389475

Ion Ratio Lower Upper

152 100

115 53.9 27.8 83.4

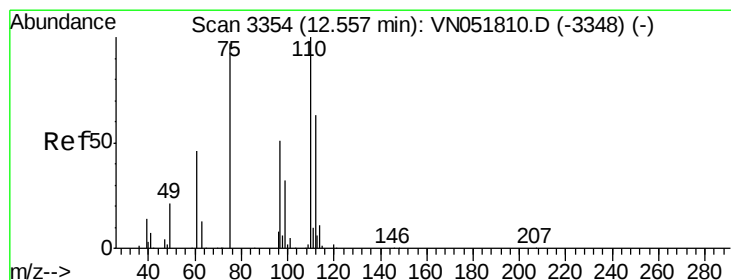
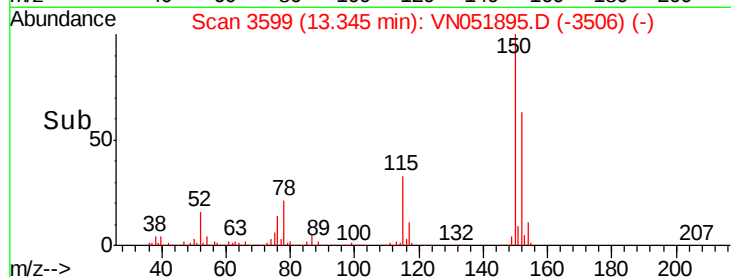
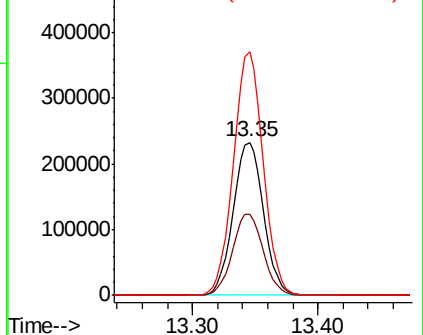
150 156.8 0.0 351.4



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: 49.994 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.16 min

Lab File: VN051895.D

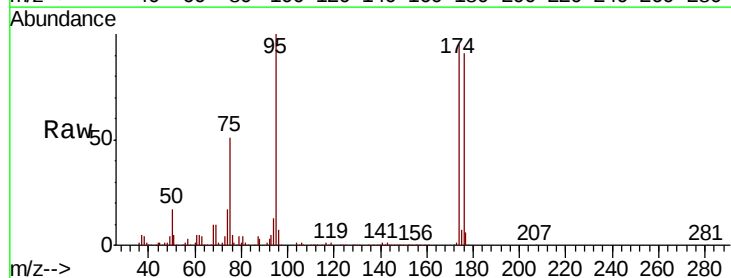
Acq: 16 Oct 2018 14:52

Tgt Ion: 75 Resp: 240235

Ion Ratio Lower Upper

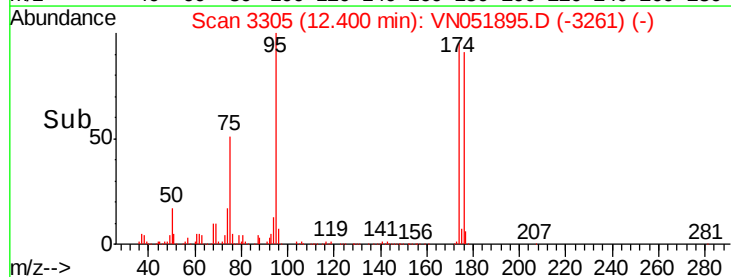
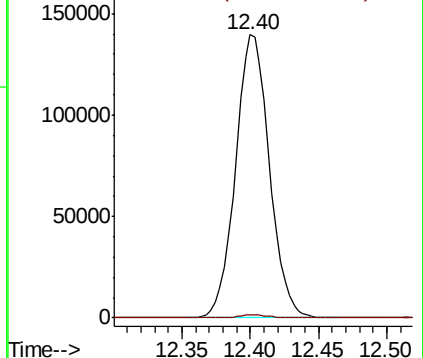
75 100

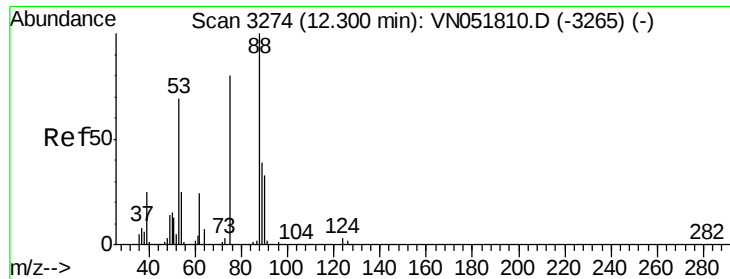
77 1.0 0.0 0.0#



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: 142.041 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051895.D

Acq: 16 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampled :

SP-STONE

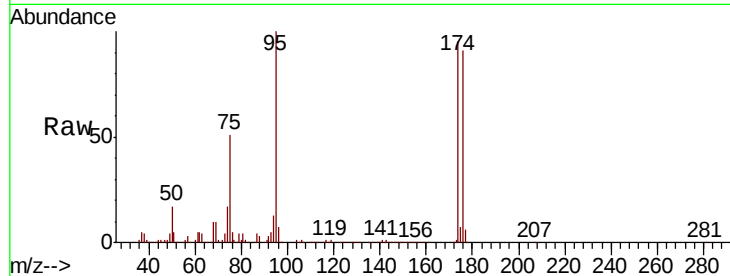
Tgt Ion: 75 Resp: 240235

Ion Ratio Lower Upper

75 100

53 0.0 68.9 103.3#

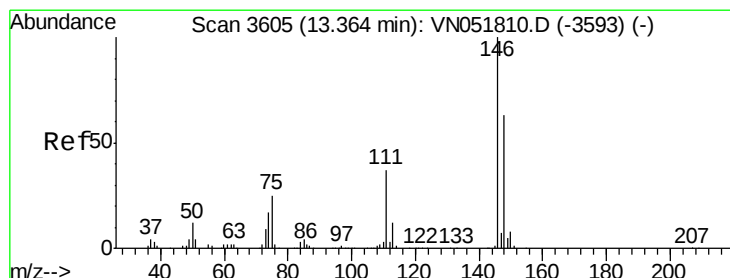
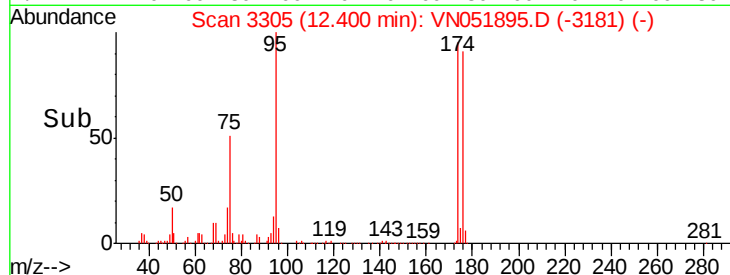
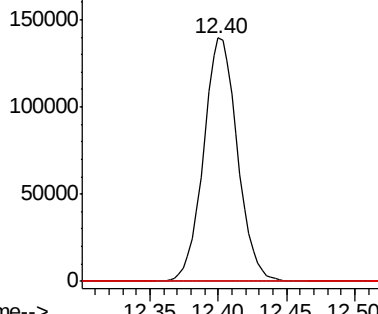
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN051810.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN051810.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN051810.D (-3265) (-)



#88

1,4-Dichlorobenzene

Concen: 0.266 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051895.D

Acq: 16 Oct 2018 14:52

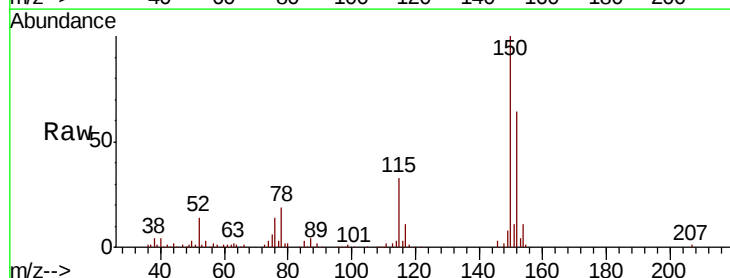
Tgt Ion: 146 Resp: 3300

Ion Ratio Lower Upper

146 100

111 167.5 18.8 56.3#

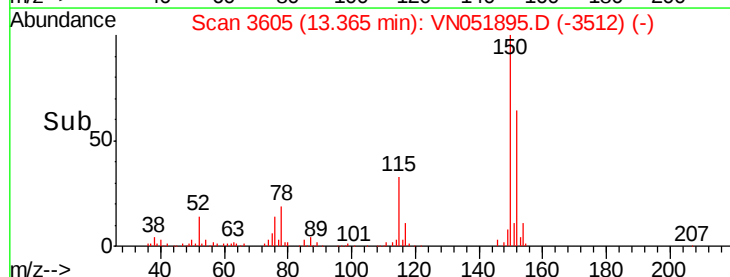
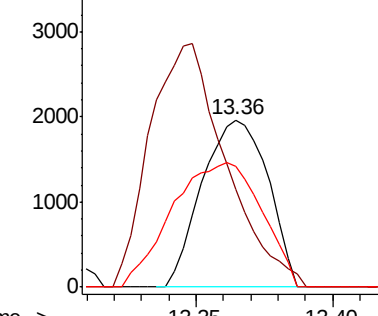
148 100.8 32.2 96.6#

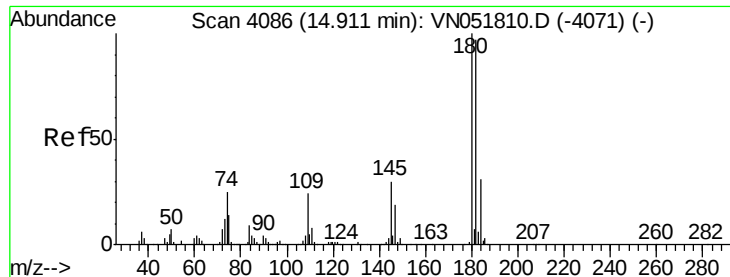


Abundance Ion 145.90 (145.60 to 146.60): VN051810.D (-3593) (-)

Ion 110.90 (110.60 to 111.60): VN051810.D (-3593) (-)

Ion 147.90 (147.60 to 148.60): VN051810.D (-3593) (-)

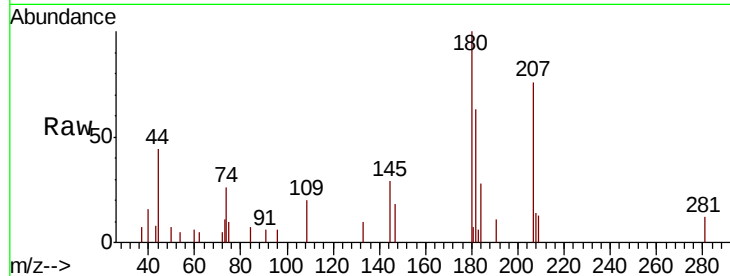




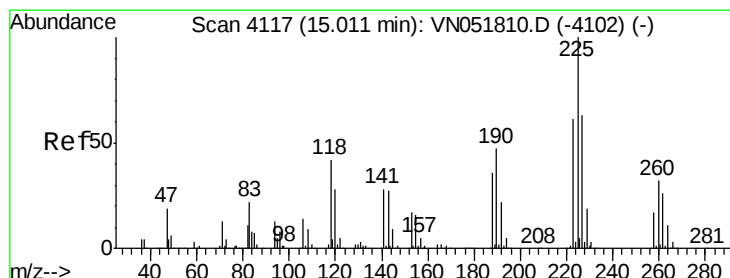
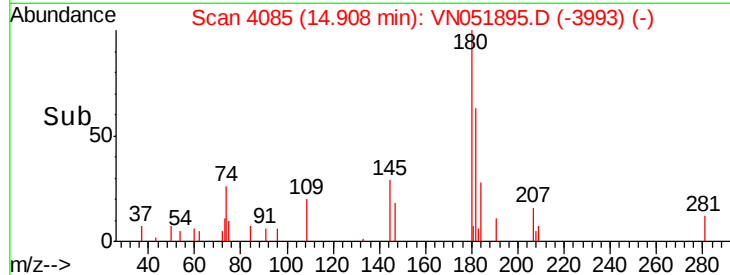
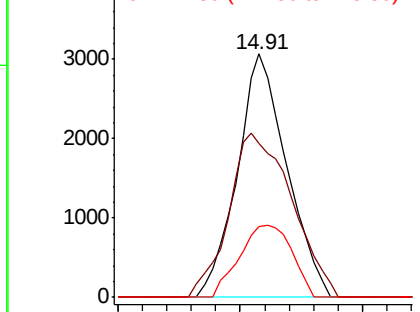
#93
 1,2,4-Trichlorobenzene
 Concen: 4.265 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051895.D
 Acq: 16 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-STONE

Tgt Ion:180 Resp: 4303
 Ion Ratio Lower Upper
 180 100
 182 86.2 48.2 144.6
 145 31.3 14.1 42.2

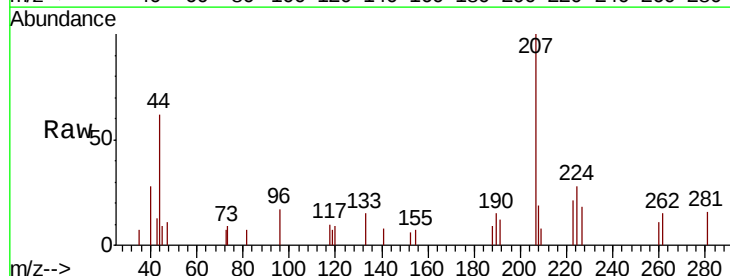


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

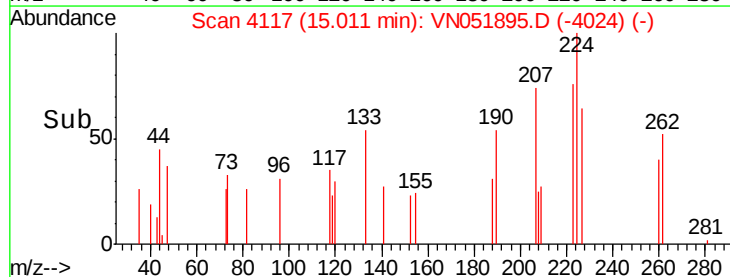
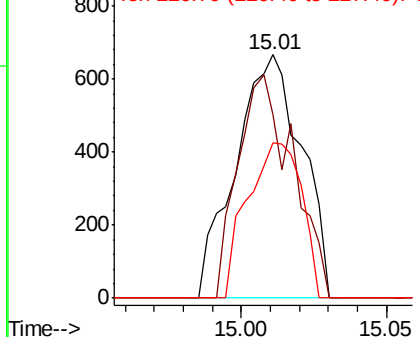


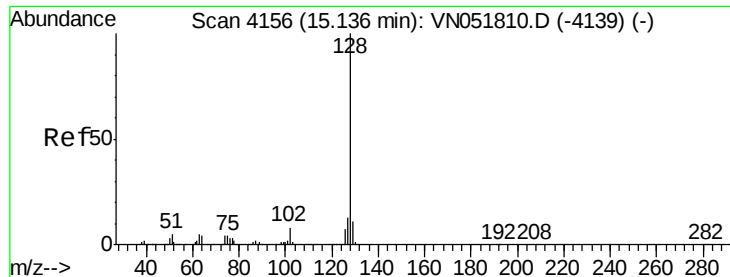
#94
 Hexachlorobutadiene
 Concen: 0.264 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051895.D
 Acq: 16 Oct 2018 14:52

Tgt Ion:225 Resp: 1054
 Ion Ratio Lower Upper
 225 100
 223 76.2 31.3 93.8
 227 52.6 32.0 96.2



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

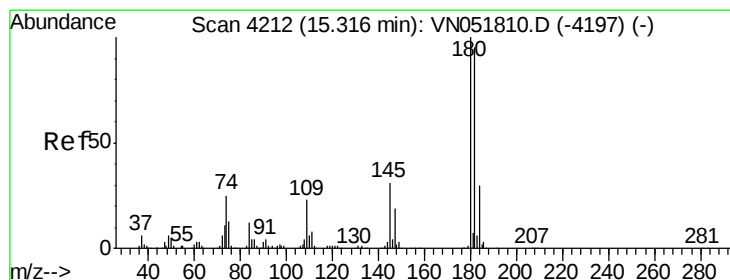
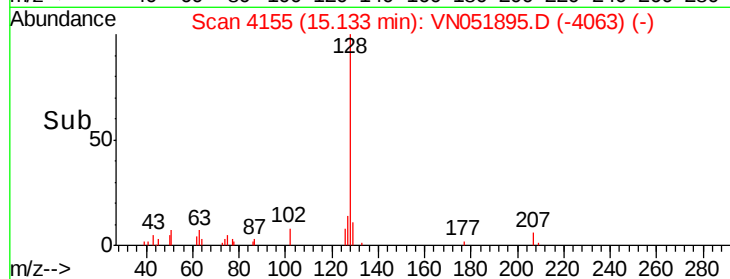
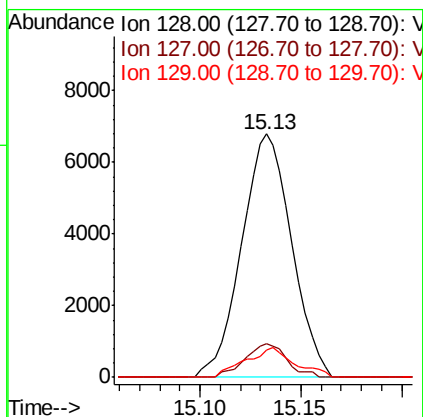
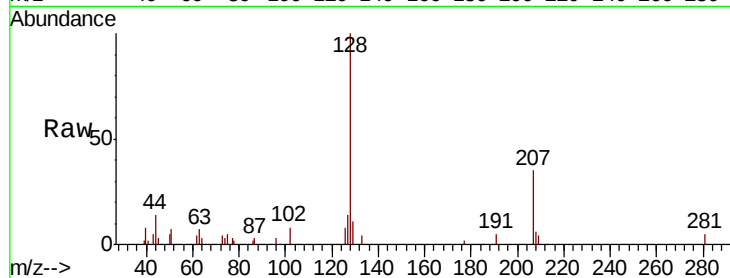




#95
Naphthalene
Concen: 5.142 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051895.D
Acq: 16 Oct 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :
SP-STONE

Tgt Ion:128 Resp: 11738
Ion Ratio Lower Upper
128 100
127 11.6 10.5 15.7
129 11.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.474 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051895.D
Acq: 16 Oct 2018 14:52

Tgt Ion:180 Resp: 4150
Ion Ratio Lower Upper
180 100
182 96.1 48.0 144.2
145 33.1 15.2 45.6

