

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062519\
 Data File : VN056489.D
 Acq On : 25 Jun 2019 16:11
 Operator : JC/SP
 Sample : K3519-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2RES

Quant Time: Jun 26 03:43:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	360211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	612543	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	173179	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	204151	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
35) Dibromofluoromethane	7.59	113	175400	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	
50) Toluene-d8	10.09	98	747746	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	240024	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	

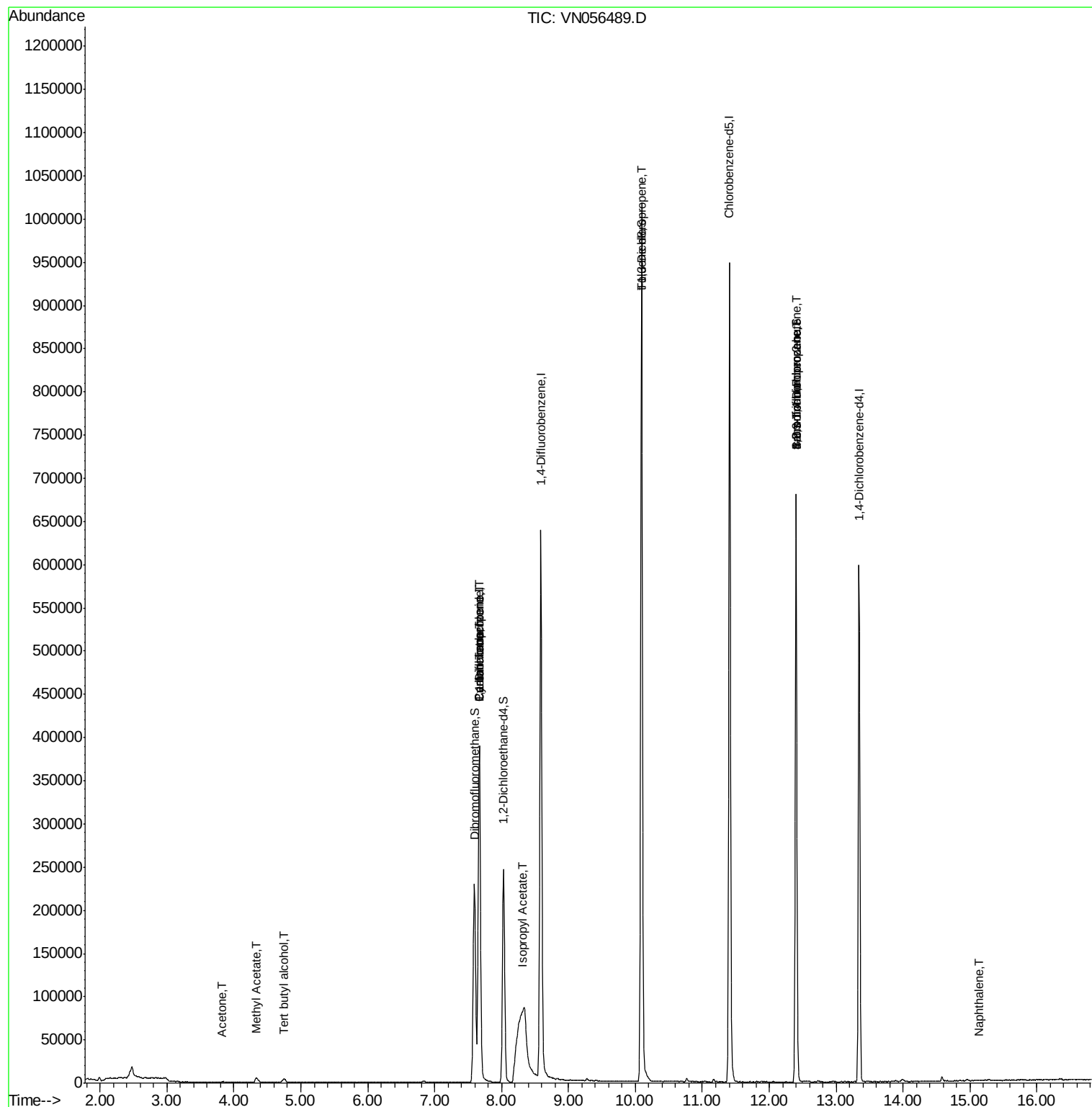
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	4353	6.474	ug/l #	74
16) Acetone	3.83	43	669	0.334	ug/l #	42
18) Methyl Acetate	4.33	43	11751	2.170	ug/l	94
20) Methylene Chloride	4.56	84	213	Below Cal	#	24
31) Cyclohexane	7.67	56	5629	0.913	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	23606	4.378	ug/l #	43
38) Carbon Tetrachloride	7.67	117	30896	6.553	ug/l #	15
43) Isopropyl Acetate	8.31	43	164930	20.187	ug/l #	54
53) t-1,3-Dichloropropene	10.10	75	30	2.896	ug/l	96
71) Bromoform	12.41	173	1803	3.656	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	110705	30.829	ug/l #	100
79) 2-Chlorotoluene	12.40	91	577	Below Cal	#	40
81) trans-1,4-Dichloro-2-buten	12.40	75	110705	109.572	ug/l #	8
95) Naphthalene	15.13	128	66	5.252	ug/l #	70

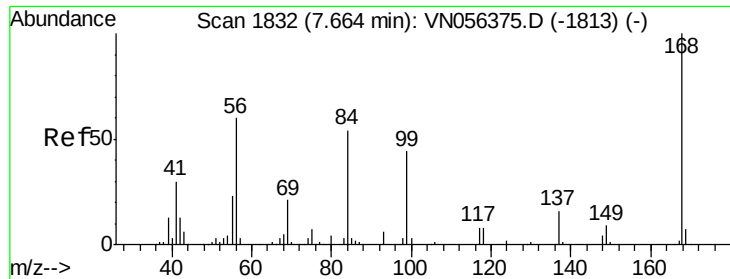
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056489.D

Acq: 25 Jun 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

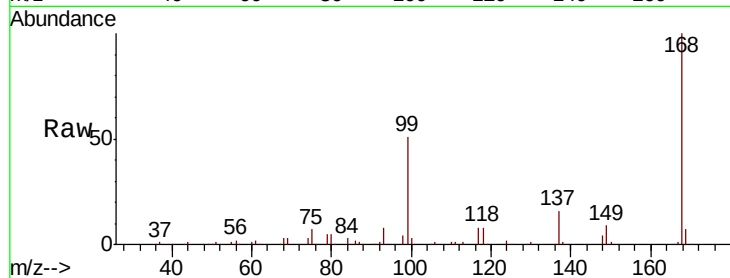
SP-19-LF2RES

Tot Ion:168 Resp: 360211

Ion Ratio Lower Upper

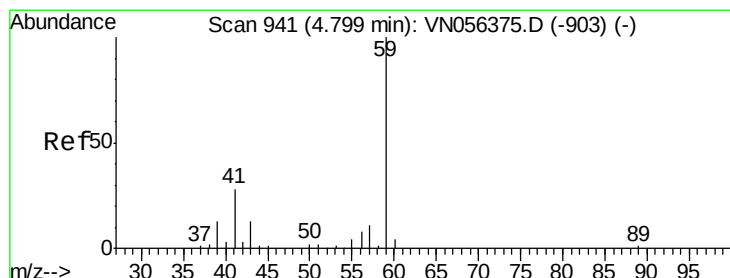
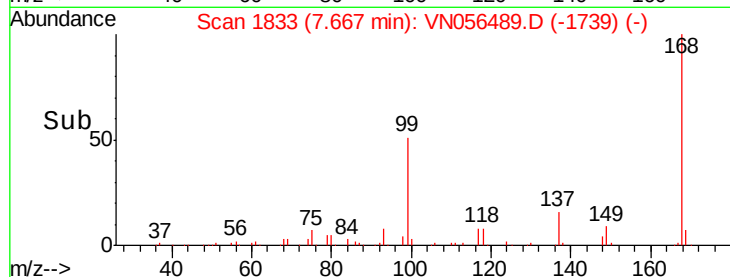
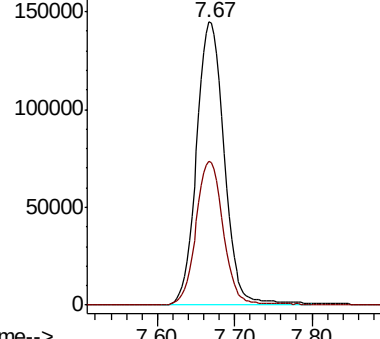
168 100

99 50.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 6.474 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.04 min

Lab File: VN056489.D

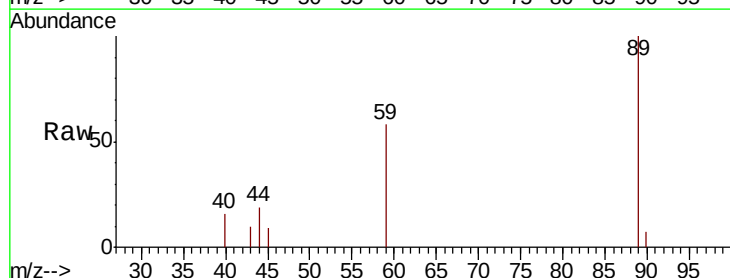
Acq: 25 Jun 2019 16:11

Tgt Ion: 59 Resp: 4353

Ion Ratio Lower Upper

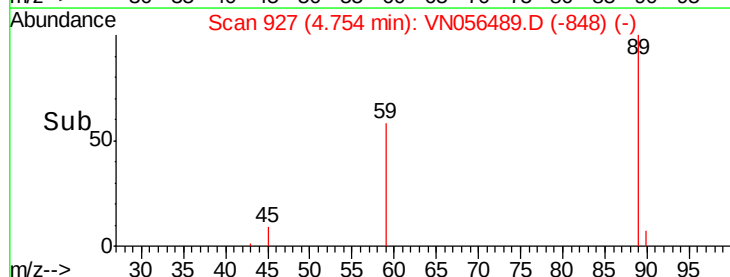
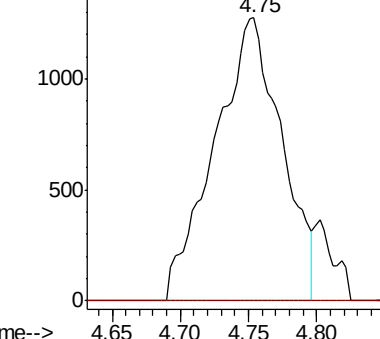
59 100

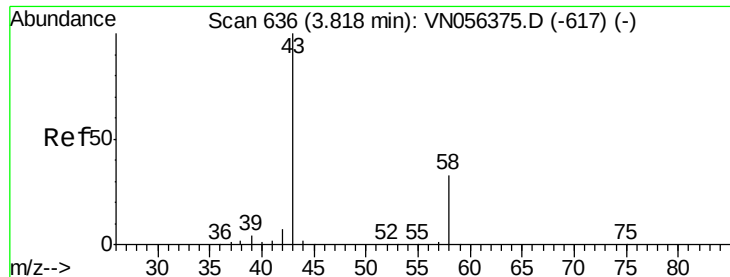
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 0.334 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056489.D

Acq: 25 Jun 2019 16:11

Instrument :

MSVOA_N

ClientSampled :

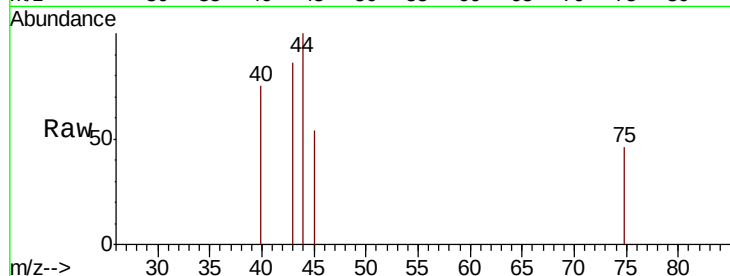
SP-19-LF2RES

Tot Ion: 43 Resp: 669

Ion Ratio Lower Upper

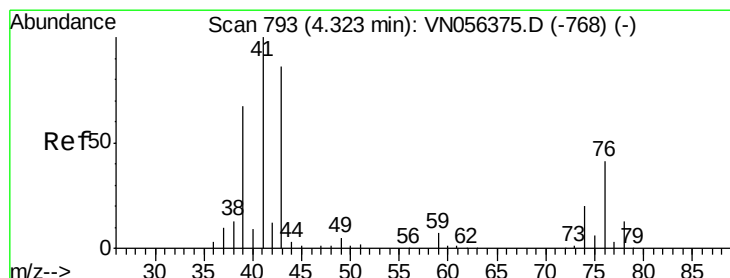
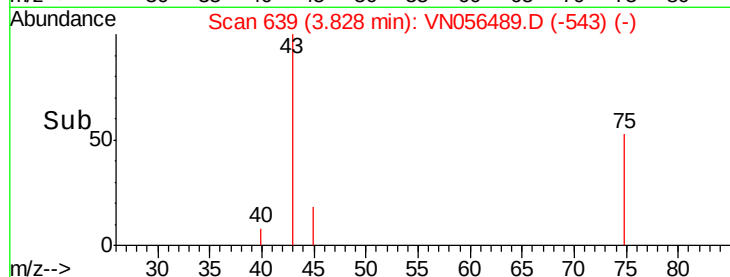
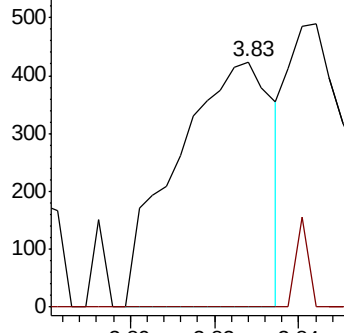
43 100

58 0.0 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 2.170 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN056489.D

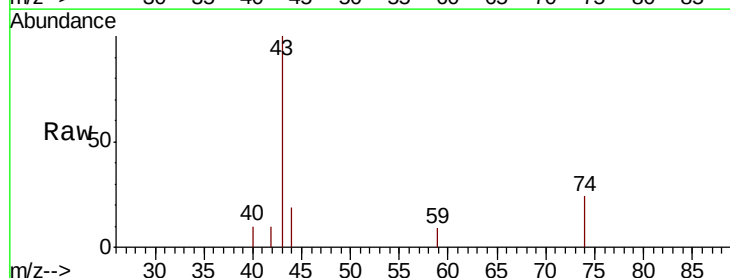
Acq: 25 Jun 2019 16:11

Tgt Ion: 43 Resp: 11751

Ion Ratio Lower Upper

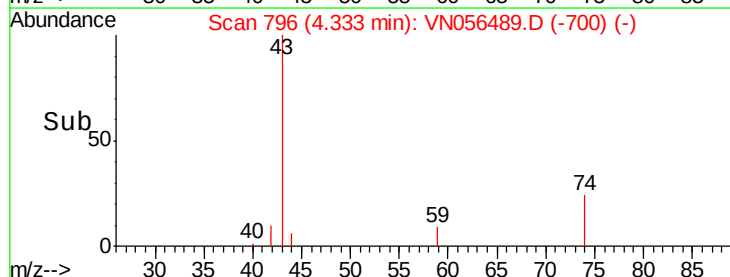
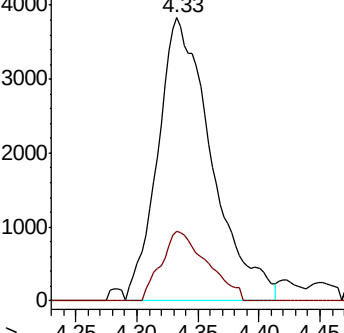
43 100

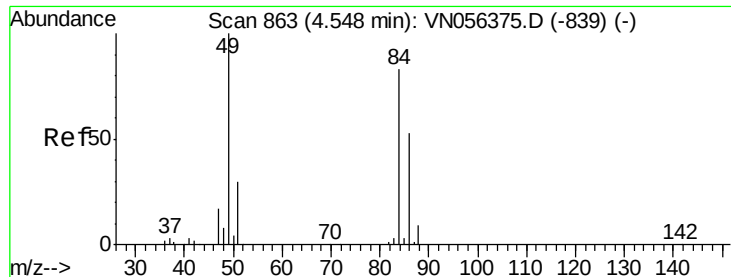
74 21.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

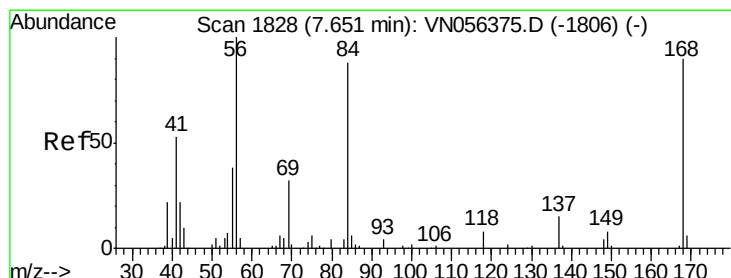
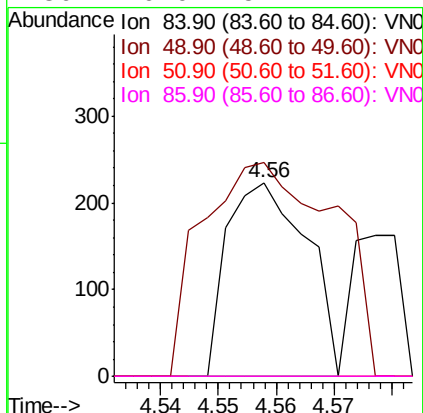
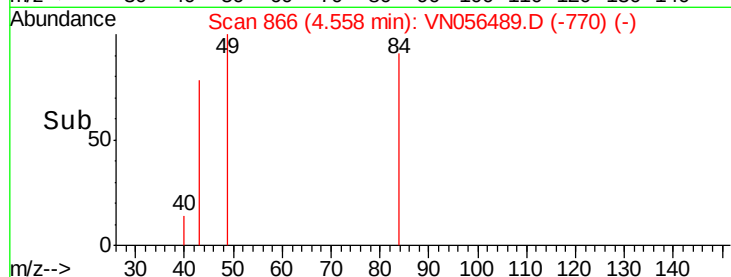
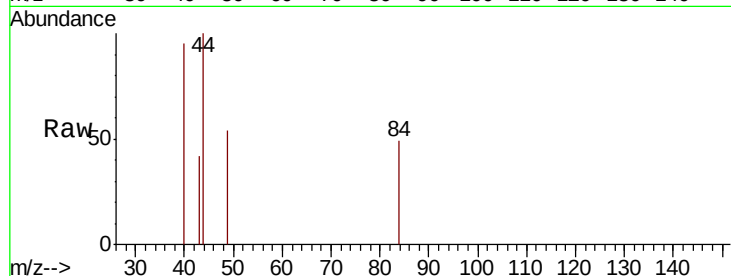




#20
Methylene Chloride
Concen: Below Cal
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN056489.D
Acq: 25 Jun 2019 16:11

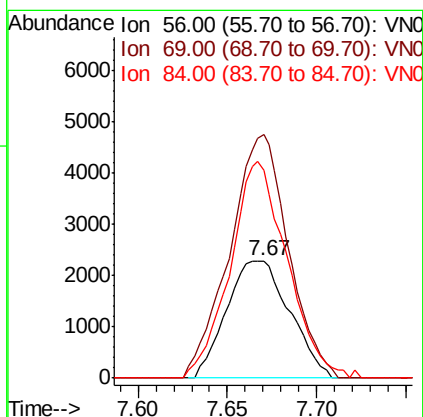
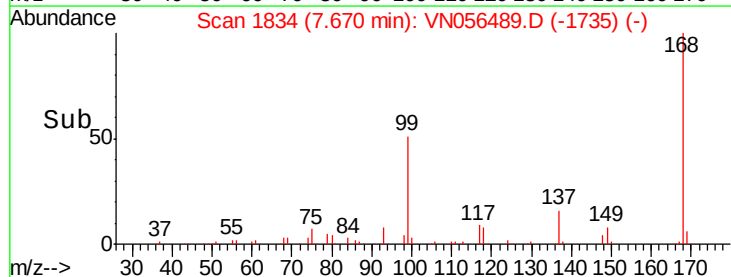
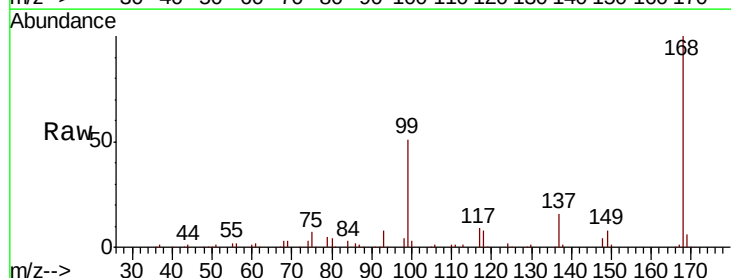
Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2RES

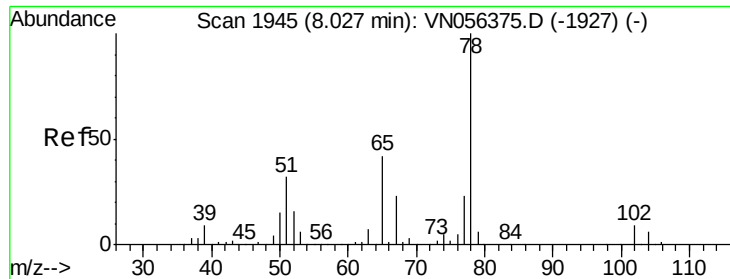
Tot Ion: 84 Resp: 213
Ion Ratio Lower Upper
84 100
49 35.0 96.4 144.6#
51 0.0 28.6 43.0#
86 0.0 51.4 77.2#



#31
Cyclohexane
Concen: 0.913 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN056489.D
Acq: 25 Jun 2019 16:11

Tgt Ion: 56 Resp: 5629
Ion Ratio Lower Upper
56 100
69 207.5 25.8 38.6#
84 169.9 69.4 104.0#

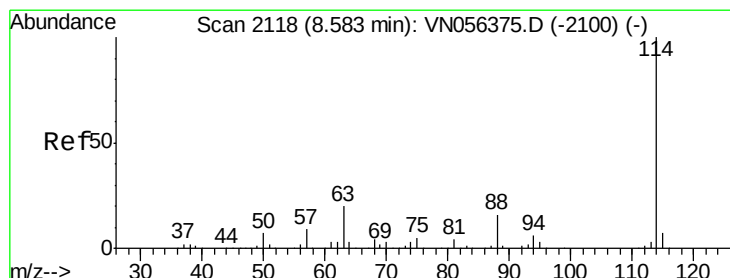
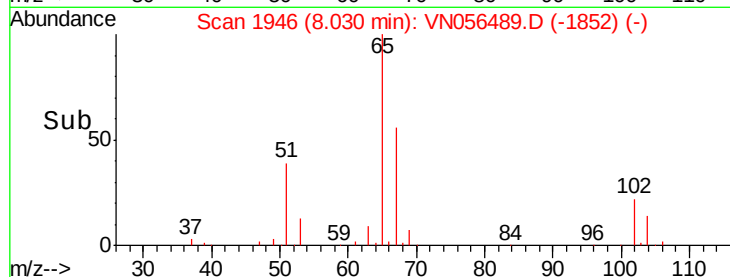
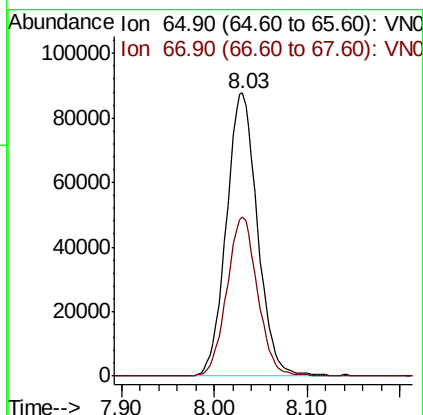
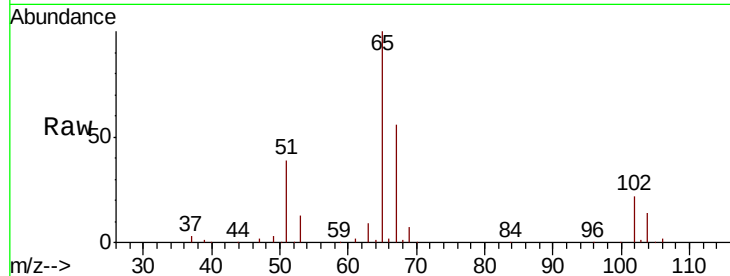




#33
 1,2-Dichloroethane-d4
 Concen: 51.137 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN056489.D
 Acq: 25 Jun 2019 16:11

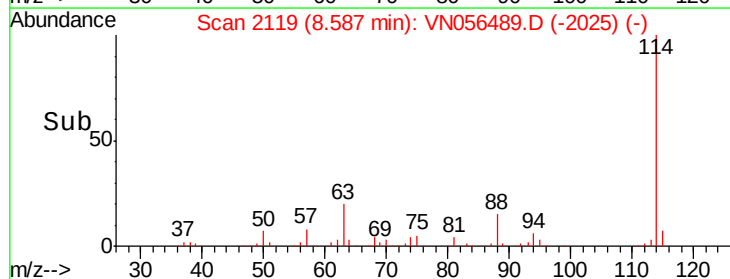
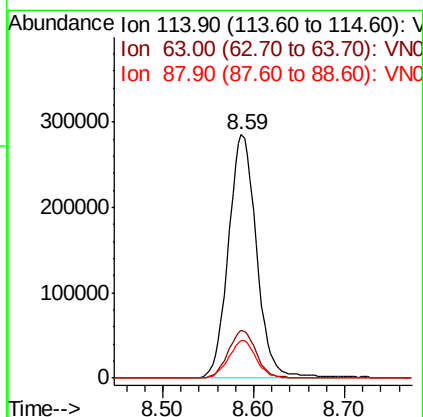
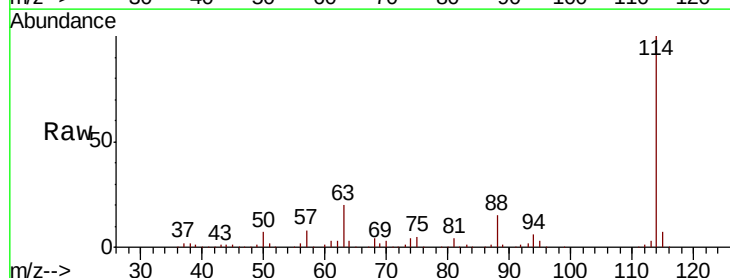
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2RES

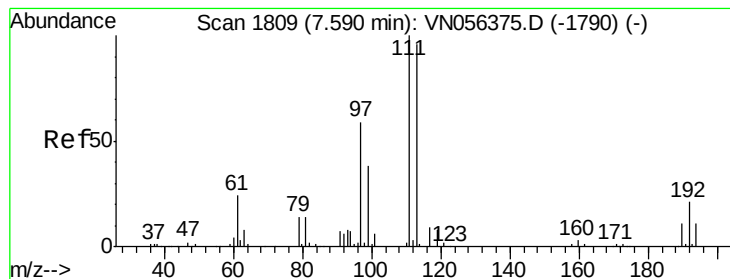
Tot Ion: 65 Resp: 204151
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056489.D
 Acq: 25 Jun 2019 16:11

Tgt Ion: 114 Resp: 612543
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.2
 88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.901 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056489.D

Acq: 25 Jun 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2RES

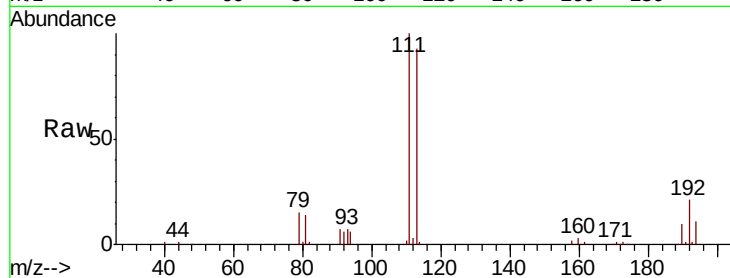
Tot Ion:113 Resp: 175400

Ion Ratio Lower Upper

113 100

111 105.4 82.9 124.3

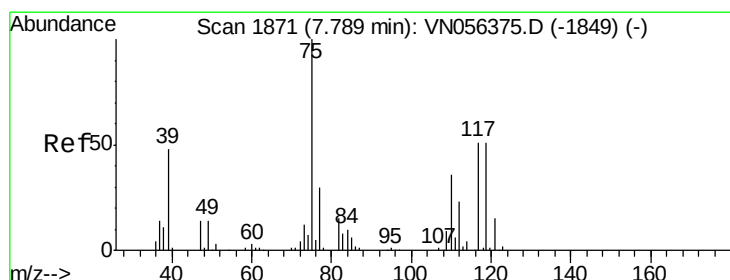
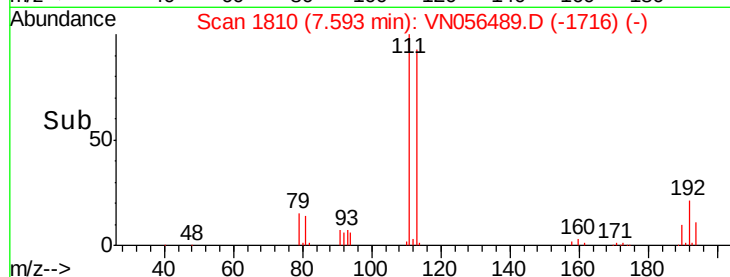
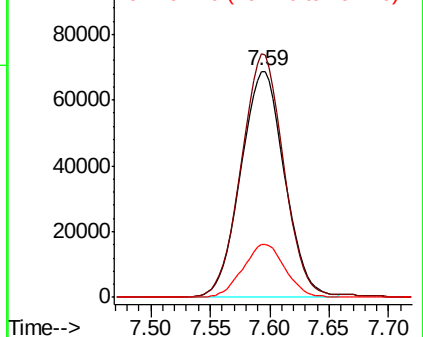
192 22.6 17.7 26.5



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: 4.378 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN056489.D

Acq: 25 Jun 2019 16:11

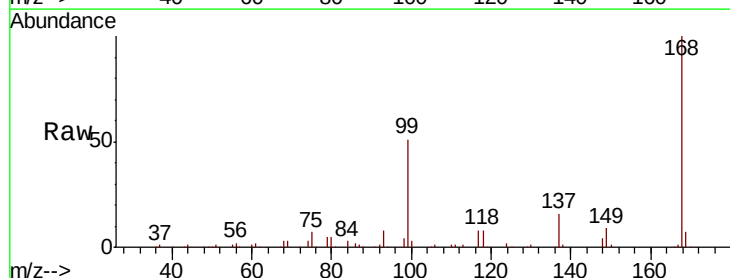
Tgt Ion: 75 Resp: 23606

Ion Ratio Lower Upper

75 100

110 2.4 18.1 54.3#

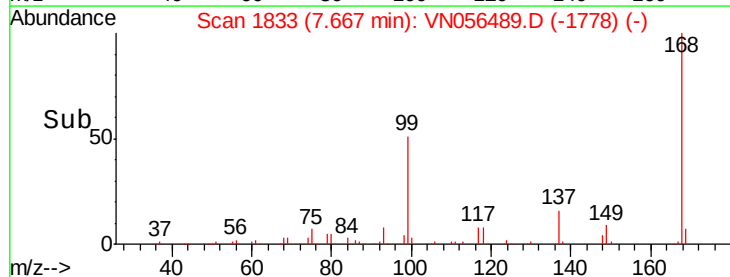
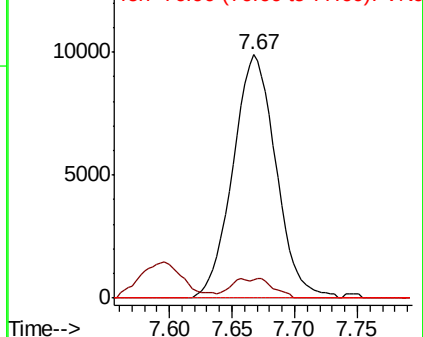
77 0.0 24.6 36.8#

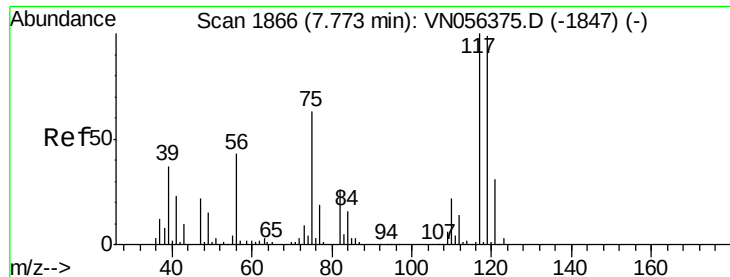


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 6.553 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.10 min

Lab File: VN056489.D

Acq: 25 Jun 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2RES

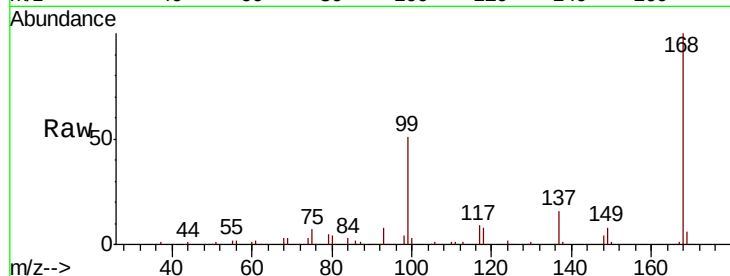
Tot Ion:117 Resp: 30896

Ion Ratio Lower Upper

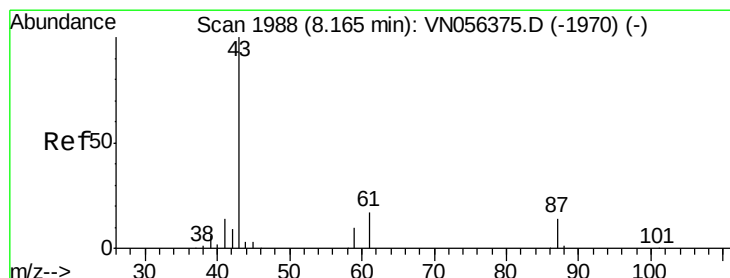
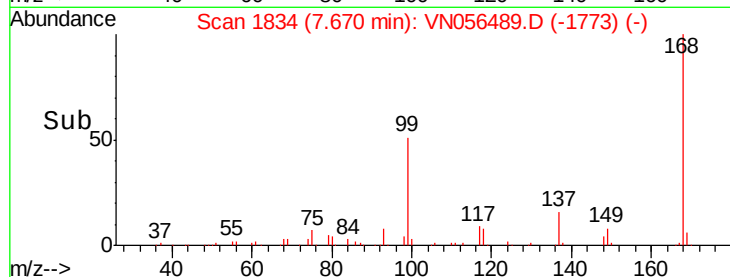
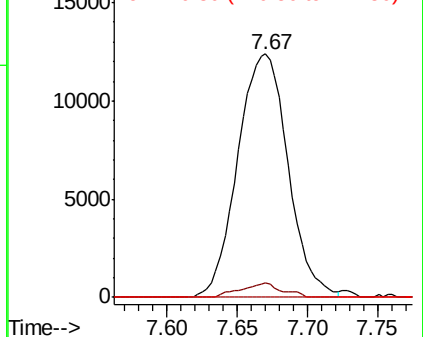
117 100

119 5.8 79.1 118.7#

121 0.0 24.8 37.2#



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: 20.187 ug/l

RT: 8.31 min Scan# 2033

Delta R.T. 0.14 min

Lab File: VN056489.D

Acq: 25 Jun 2019 16:11

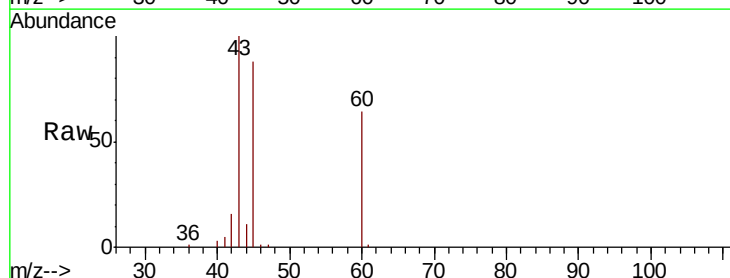
Tgt Ion: 43 Resp: 164930

Ion Ratio Lower Upper

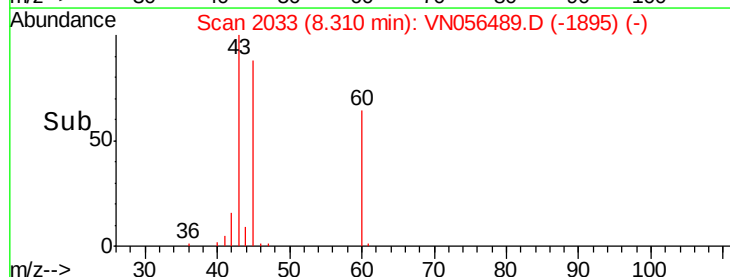
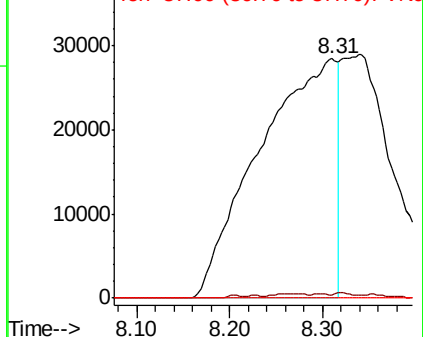
43 100

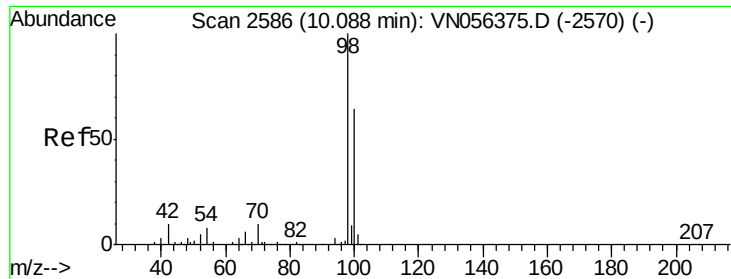
61 0.2 22.0 33.0#

87 0.0 11.0 16.4#



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





#50

Toluene-d8

Concen: 50.290 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056489.D

Acq: 25 Jun 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

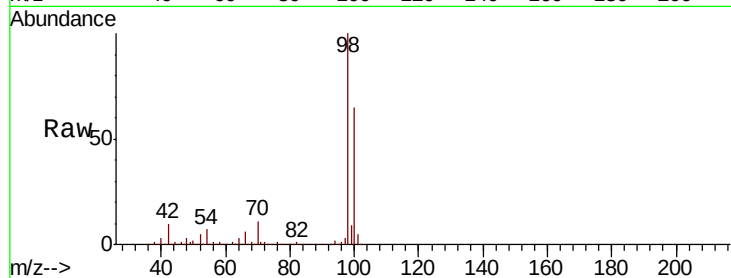
SP-19-LF2RES

Tot Ion: 98 Resp: 747746

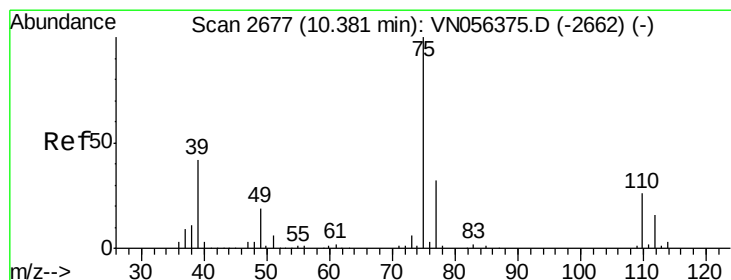
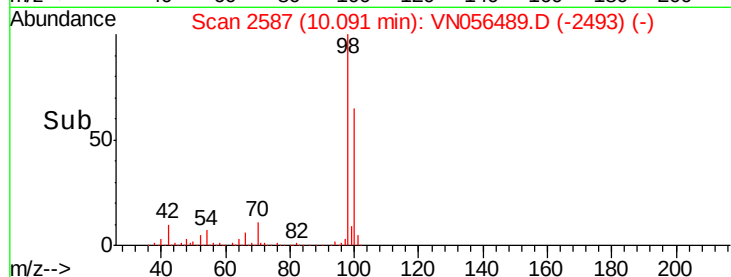
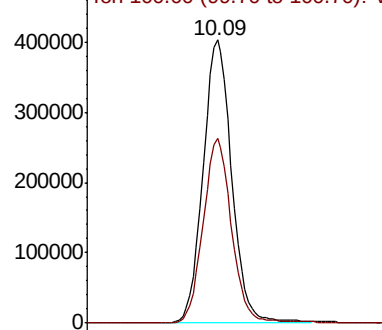
Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN056375.D (-2570) (-)



#53

t-1,3-Dichloropropene

Concen: 2.896 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.28 min

Lab File: VN056489.D

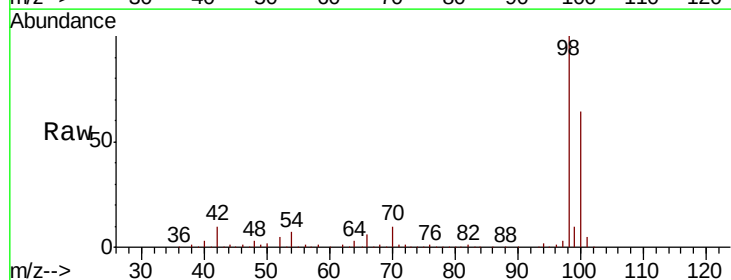
Acq: 25 Jun 2019 16:11

Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

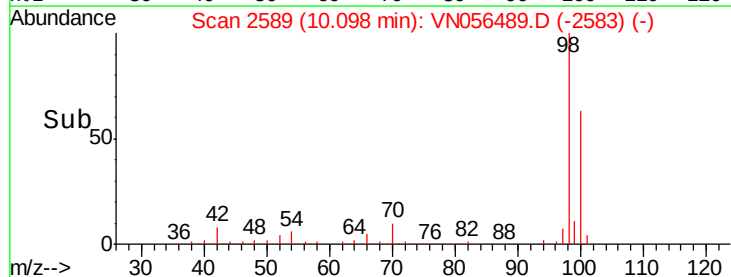
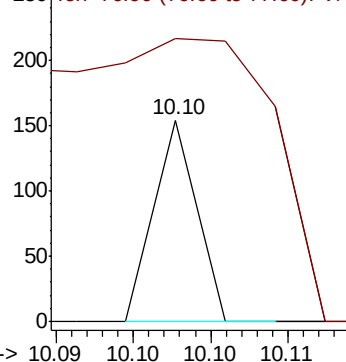
75 100

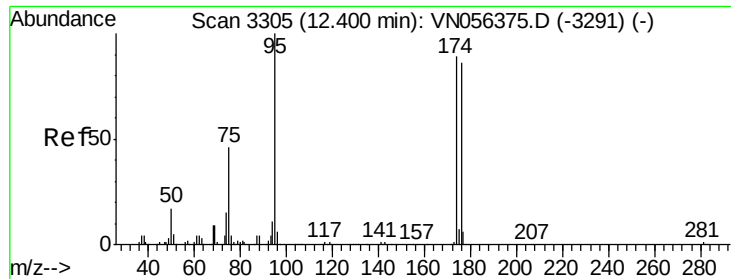
77 33.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN056375.D (-2662) (-)

Ion 76.90 (76.60 to 77.60): VN056375.D (-2662) (-)

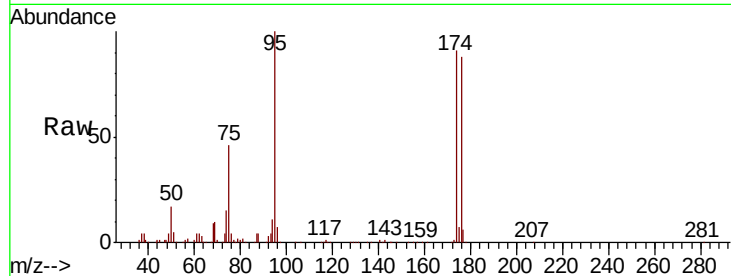




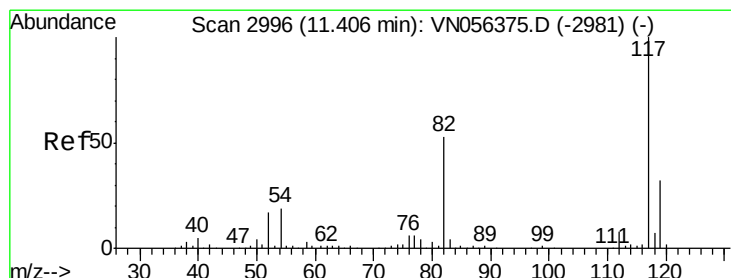
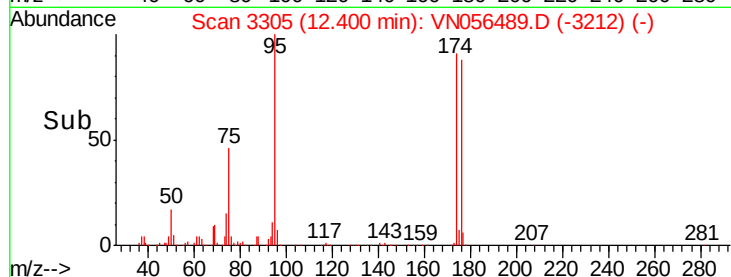
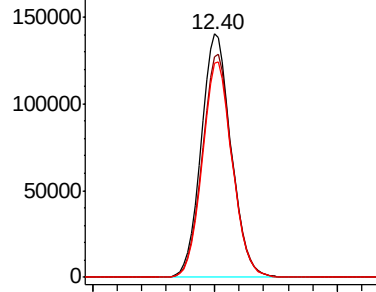
#62
4-Bromofluorobenzene
Concen: 48.425 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056489.D
Acq: 25 Jun 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2RES

Tot Ion: 95 Resp: 240024
Ion Ratio Lower Upper
95 100
174 91.3 0.0 179.4
176 87.9 0.0 173.4

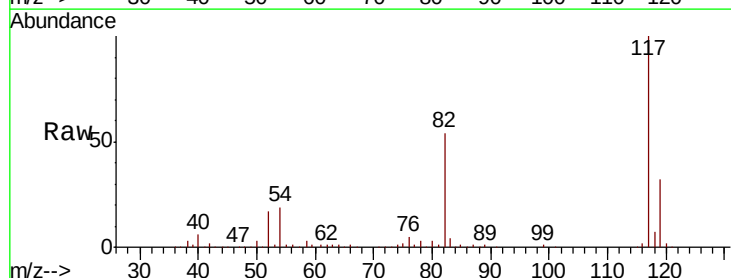


Abundance Ion 94.90 (94.60 to 95.60): VN056375.D (-3291) (-)
Ion 173.80 (173.50 to 174.50): VN056375.D (-3291) (-)
Ion 175.80 (175.50 to 176.50): VN056375.D (-3291) (-)

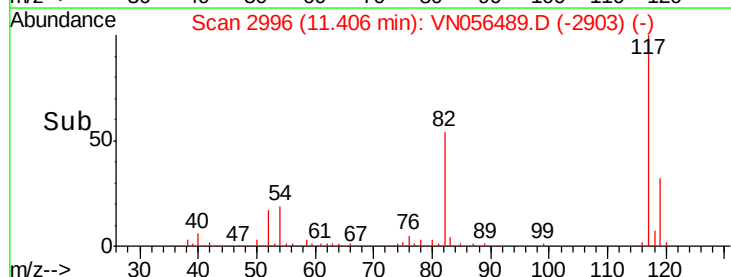
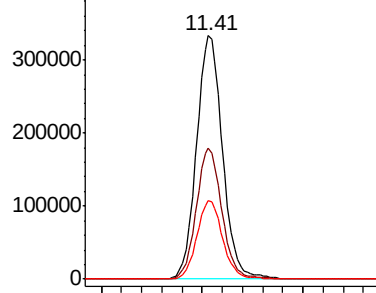


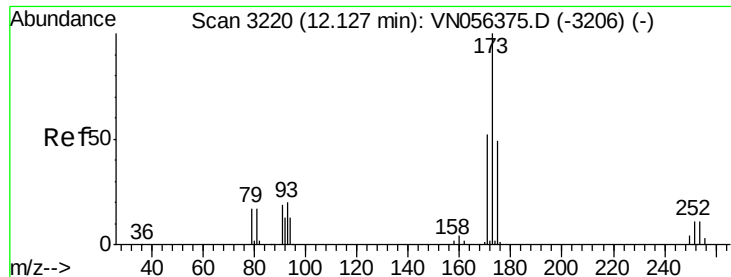
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056489.D
Acq: 25 Jun 2019 16:11

Tgt Ion: 117 Resp: 600224
Ion Ratio Lower Upper
117 100
82 53.7 42.0 63.0
119 32.4 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN056375.D (-2981) (-)
Ion 82.00 (81.70 to 82.70): VN056375.D (-2981) (-)
Ion 118.90 (118.60 to 119.60): VN056375.D (-2981) (-)

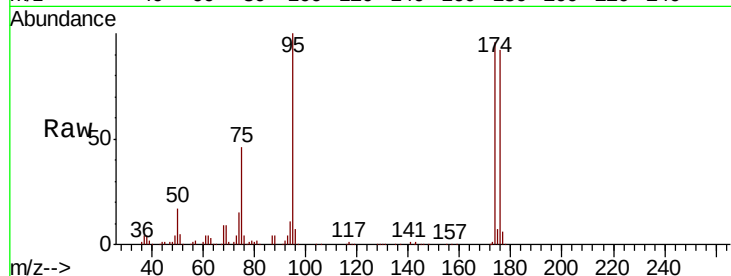




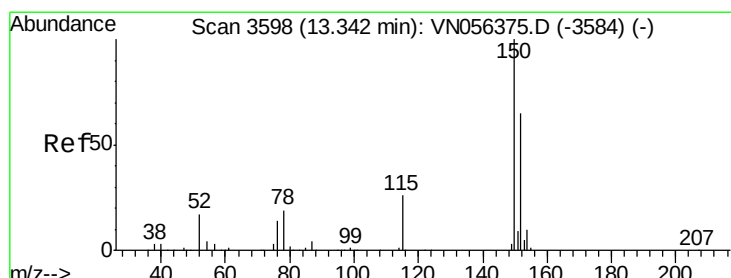
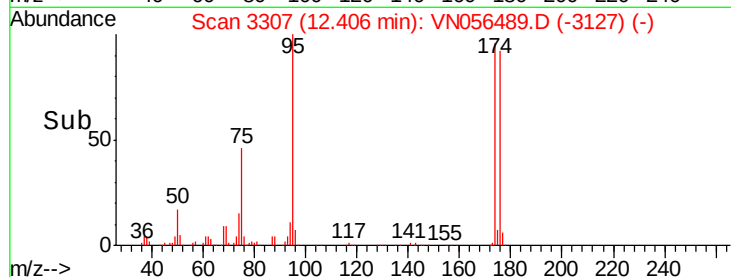
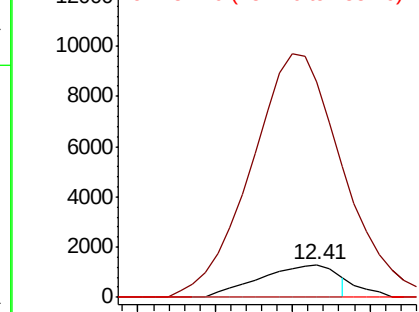
#71
Bromoform
Concen: 3.656 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN056489.D
Acq: 25 Jun 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2RES

Tot Ion:173 Resp: 1803
Ion Ratio Lower Upper
173 100
175 776.2 24.4 73.4#
254 0.0 0.0 0.0

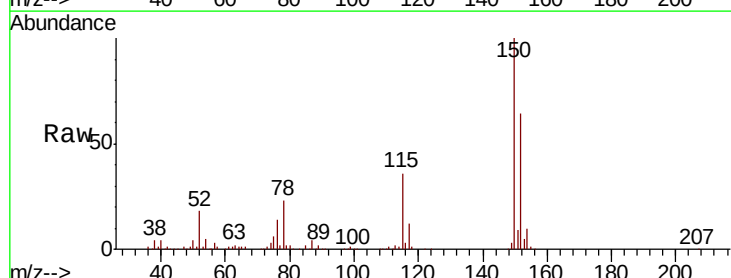


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

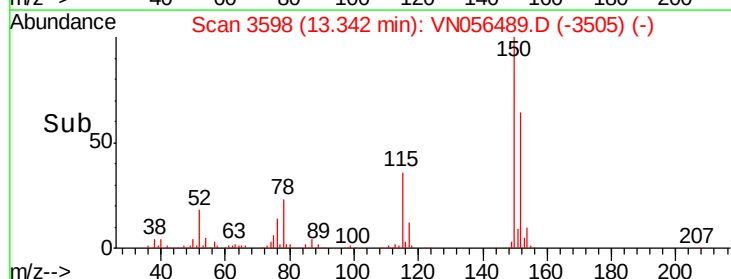
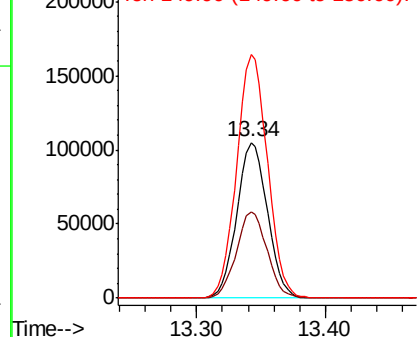


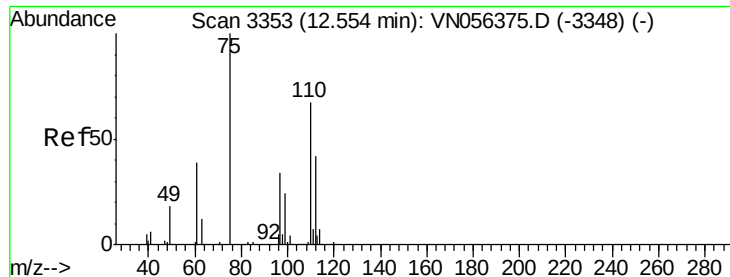
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056489.D
Acq: 25 Jun 2019 16:11

Tgt Ion:152 Resp: 173179
Ion Ratio Lower Upper
152 100
115 55.5 28.1 84.4
150 157.6 0.0 348.4



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

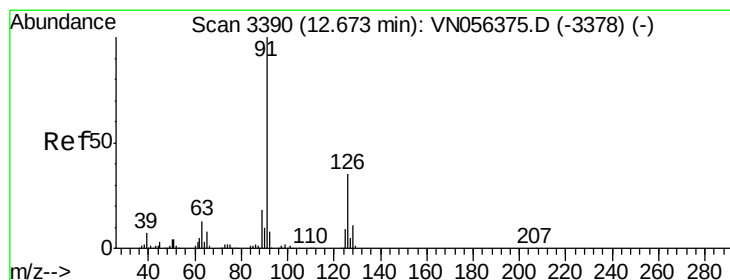
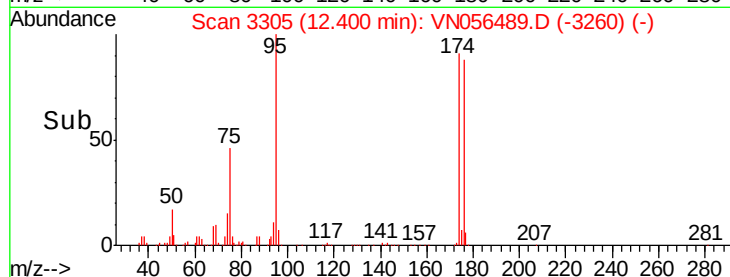
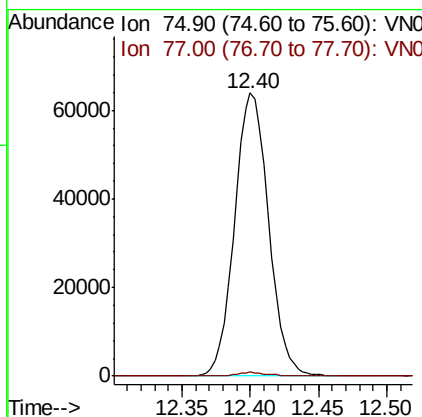
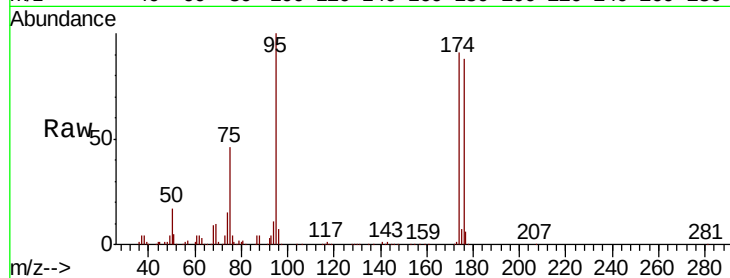




#76
 1,2,3-Trichloropropane
 Concen: 30.829 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN056489.D
 Acq: 25 Jun 2019 16:11

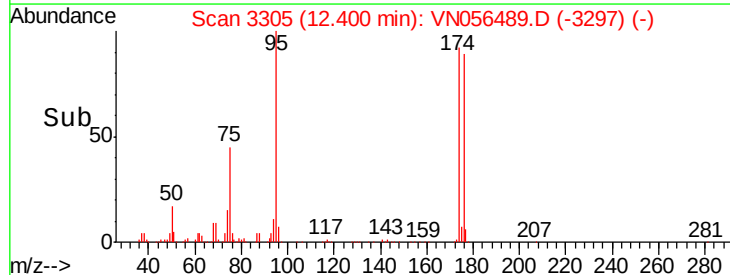
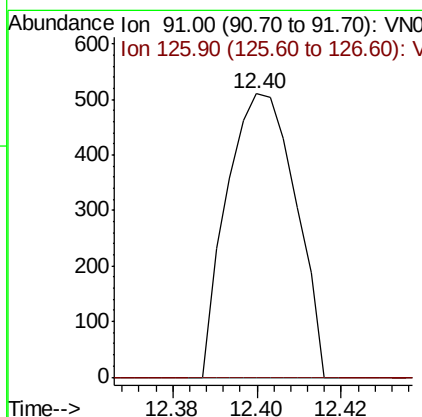
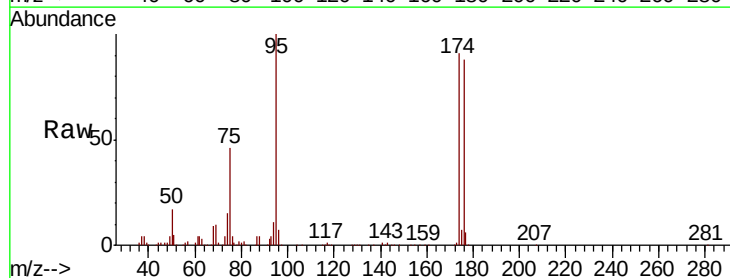
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2RESD

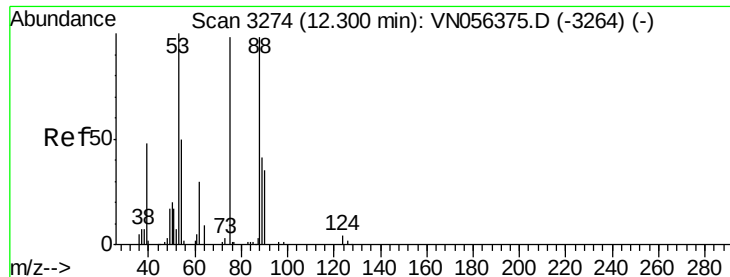
Tot Ion: 75 Resp: 110705
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.27 min
 Lab File: VN056489.D
 Acq: 25 Jun 2019 16:11

Tgt Ion: 91 Resp: 577
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.6 52.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 109.572 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056489.D

Acq: 25 Jun 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2RES

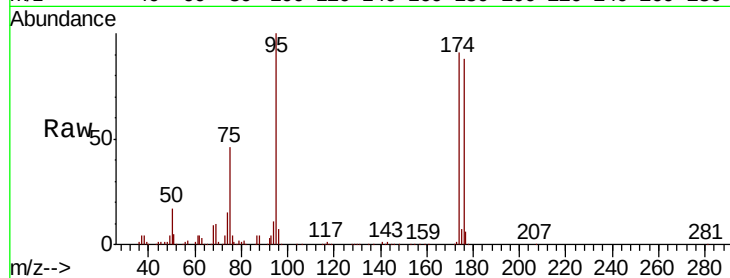
Tot Ion: 75 Resp: 110705

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

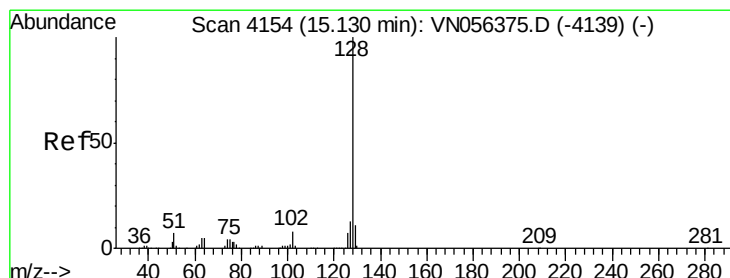
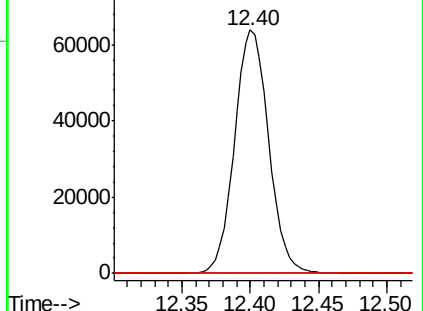
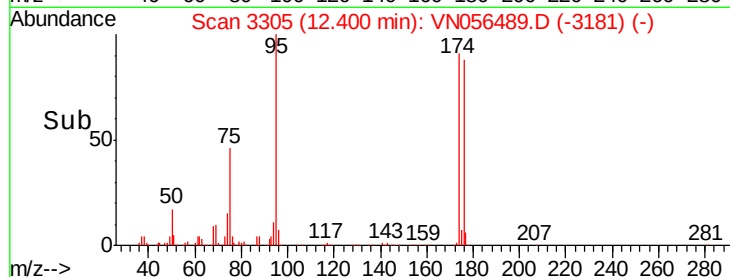
89 0.0 35.0 52.6#



Abundance Ion 74.90 (74.60 to 75.60): VN056375.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN056375.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN056375.D (-3264) (-)



#95

Naphthalene

Concen: 5.252 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056489.D

Acq: 25 Jun 2019 16:11

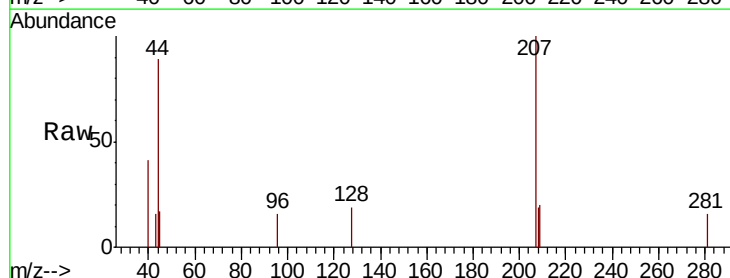
Tgt Ion:128 Resp: 66

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN056375.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN056375.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN056375.D (-4139) (-)

