

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058006.D
 Acq On : 13 Sep 2019 10:34
 Operator : JC/SP
 Sample : VN0914WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBL02

Quant Time: Sep 14 02:17:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	308790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	518647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	463209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	230137	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	334484	53.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.96%	
35) Dibromofluoromethane	7.57	113	229869	48.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.04%	
50) Toluene-d8	10.09	98	901364	48.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.00%	
62) 4-Bromofluorobenzene	12.41	95	287505	40.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.18%	

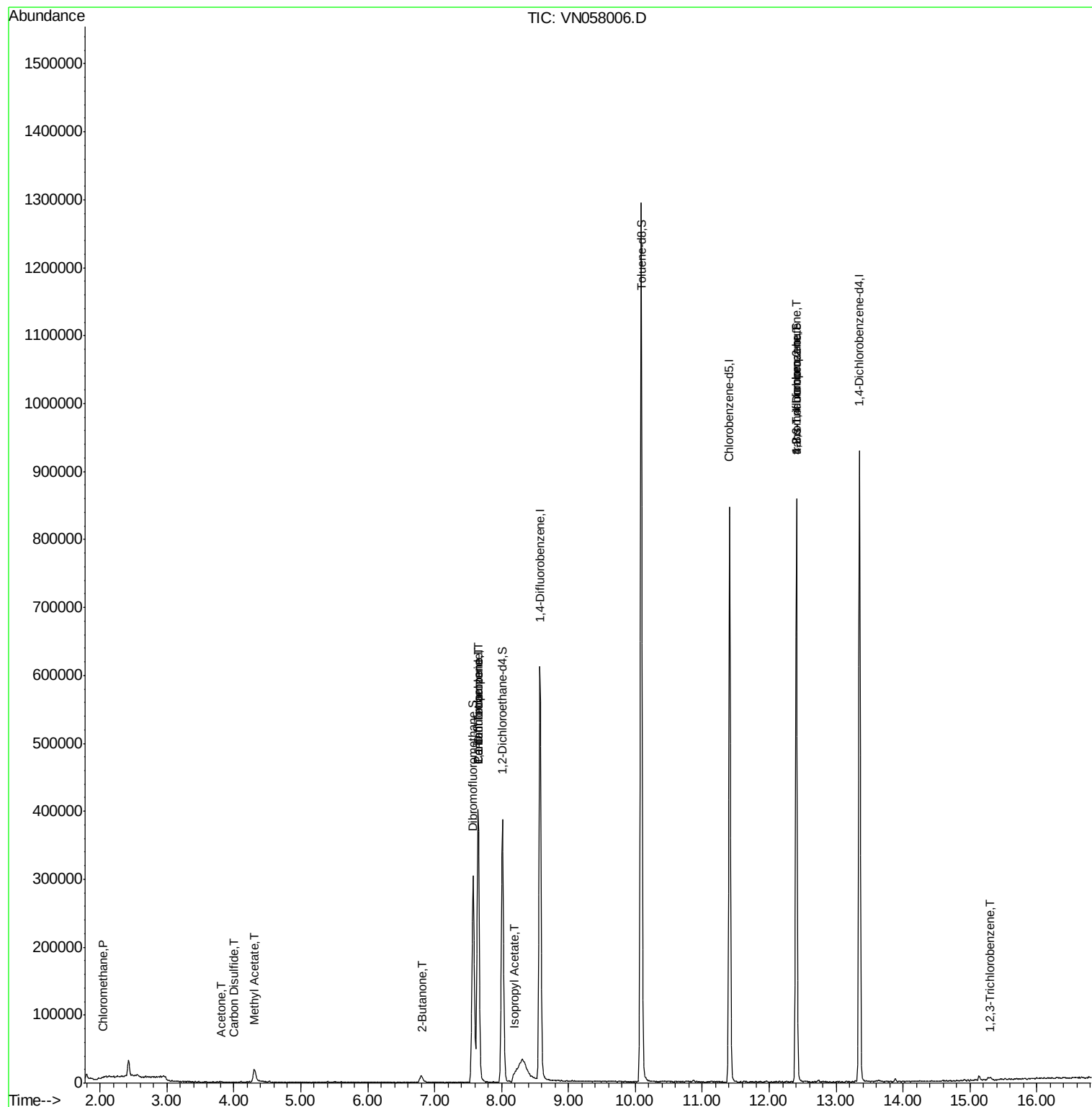
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1365	0.314	ug/l	97
5) Bromomethane	2.55	94	632	Below Cal	#	66
16) Acetone	3.81	43	667	0.325	ug/l #	47
17) Carbon Disulfide	4.01	76	304	0.218	ug/l #	75
18) Methyl Acetate	4.30	43	35767	6.543	ug/l	99
20) Methylene Chloride	4.52	84	380	Below Cal	#	19
25) 2-Butanone	6.82	43	614	0.207	ug/l #	49
31) Cyclohexane	7.65	56	7729	Below Cal	#	14
36) 1,1-Dichloropropene	7.65	75	27433	4.561	ug/l #	52
38) Carbon Tetrachloride	7.65	117	32235	5.870	ug/l #	16
43) Isopropyl Acetate	8.18	43	6871	0.657	ug/l #	56
76) 1,2,3-Trichloropropane	12.40	75	156311	30.025	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	156311	105.657	ug/l #	6
95) Naphthalene	15.13	128	5304	Below Cal		98
96) 1,2,3-Trichlorobenzene	15.30	180	1071	1.223	ug/l	95

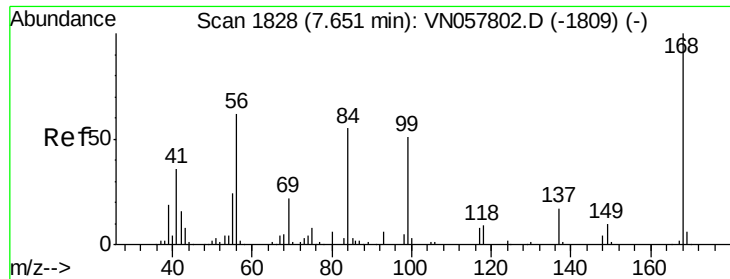
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058006.D

Acq: 13 Sep 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

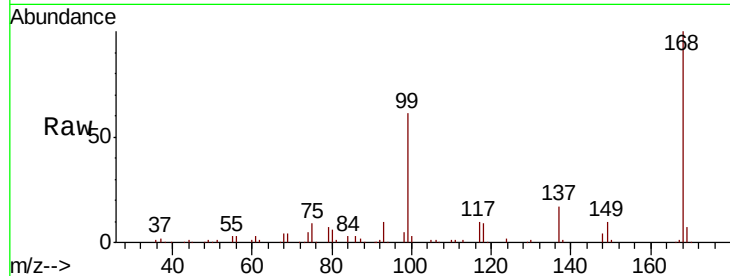
VN0914WBL02

Tgt Ion:168 Resp: 308790

Ion Ratio Lower Upper

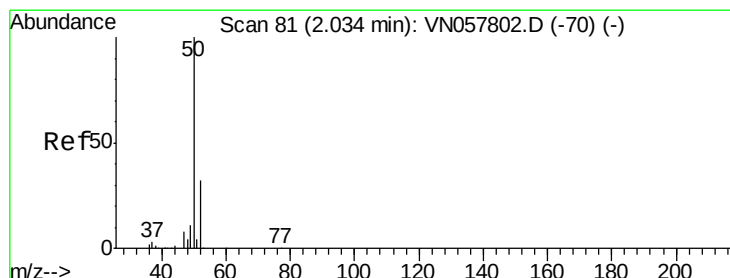
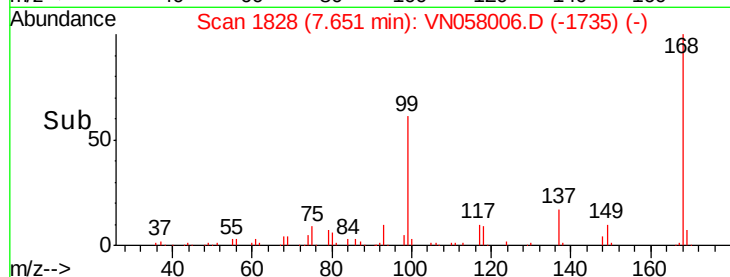
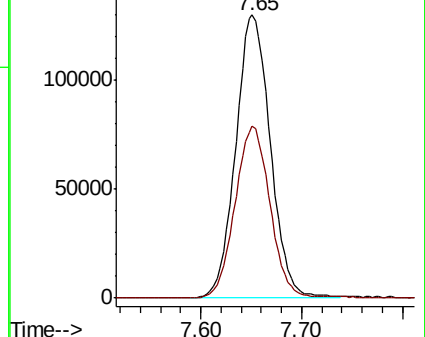
168 100

99 60.6 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)



#3

Chloromethane

Concen: 0.314 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN058006.D

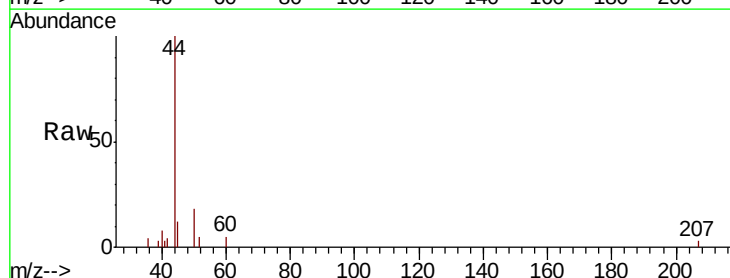
Acq: 13 Sep 2019 10:34

Tgt Ion: 50 Resp: 1365

Ion Ratio Lower Upper

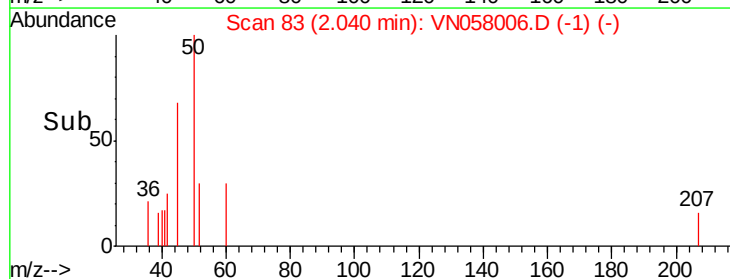
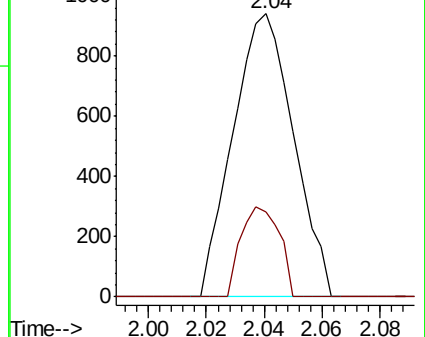
50 100

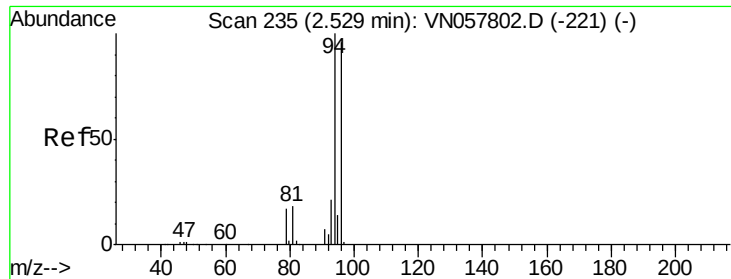
52 30.0 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN057802.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN057802.D (-70) (-)





#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN058006.D

Acq: 13 Sep 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

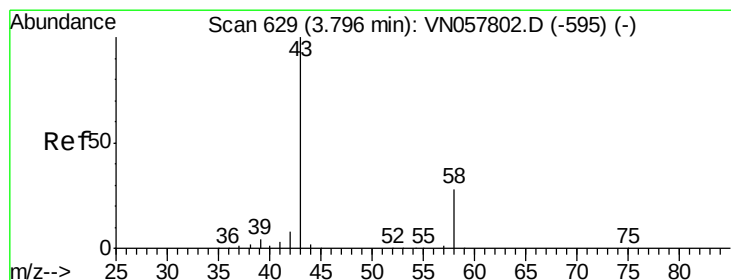
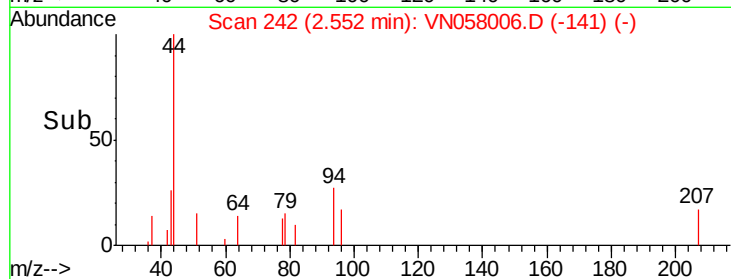
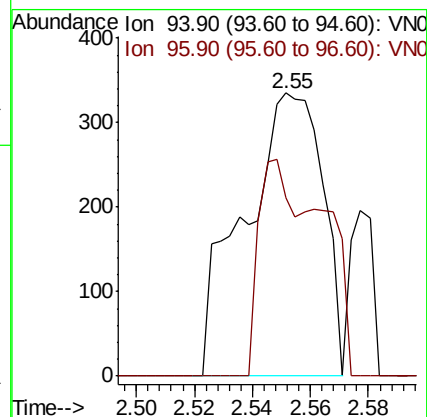
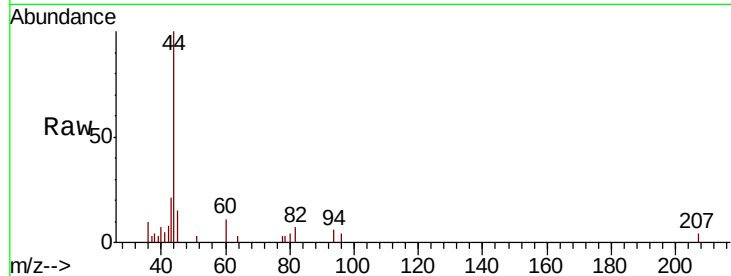
VN0914WBL02

Tgt Ion: 94 Resp: 632

Ion Ratio Lower Upper

94 100

96 63.0 77.0 115.4#



#16

Acetone

Concen: 0.325 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN058006.D

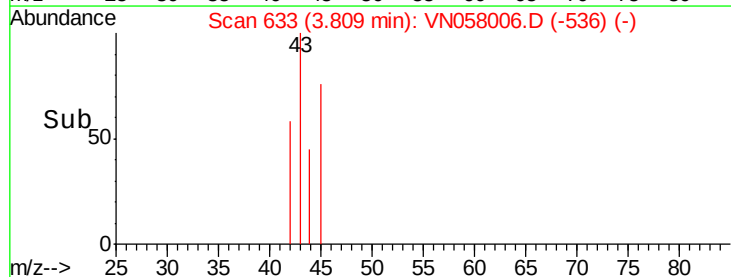
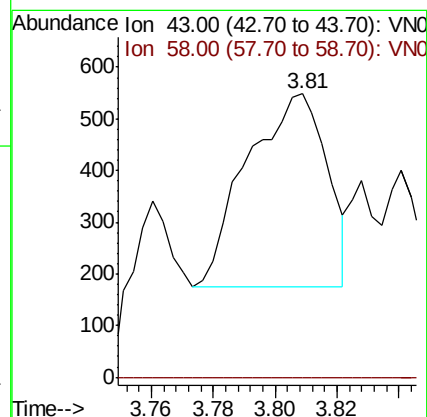
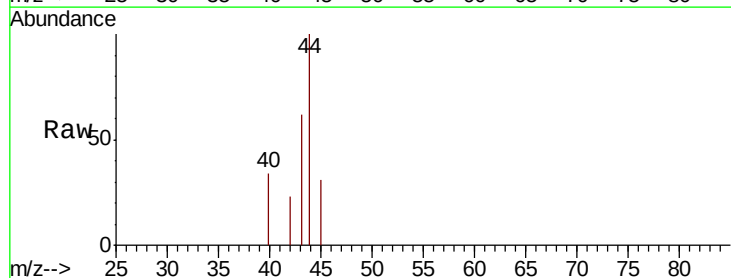
Acq: 13 Sep 2019 10:34

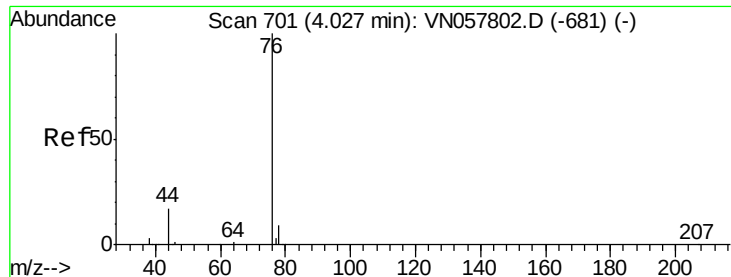
Tgt Ion: 43 Resp: 667

Ion Ratio Lower Upper

43 100

58 0.0 22.2 33.2#





#17

Carbon Disulfide

Concen: 0.218 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.02 min

Lab File: VN058006.D

Acq: 13 Sep 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

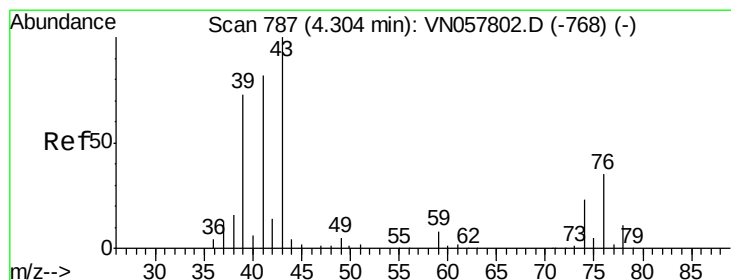
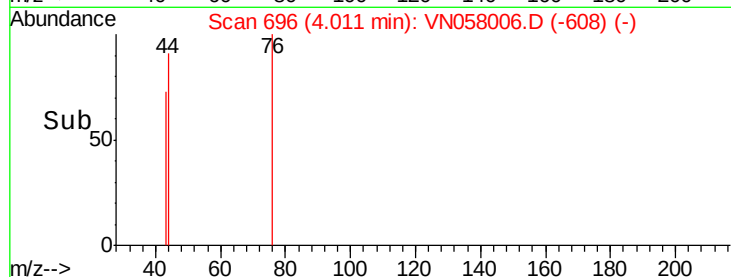
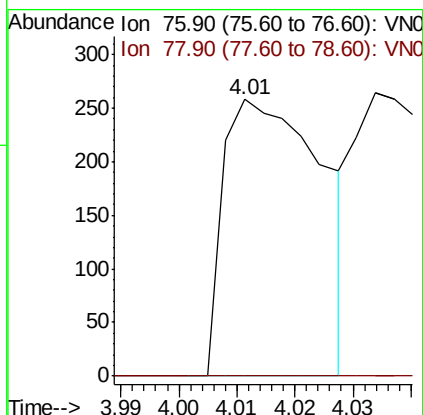
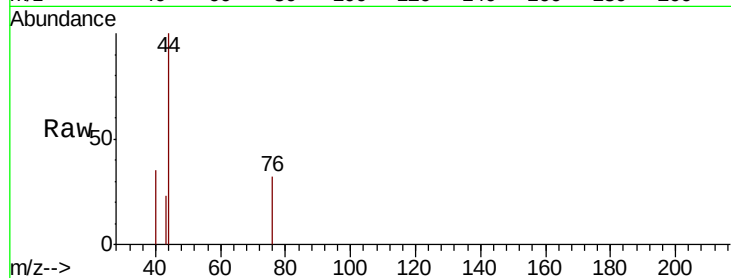
VN0914WBL02

Tgt Ion: 76 Resp: 304

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#18

Methyl Acetate

Concen: 6.543 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058006.D

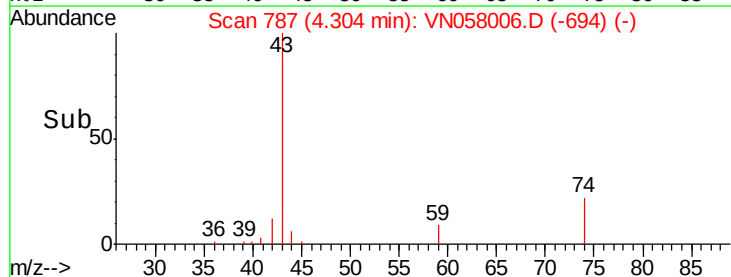
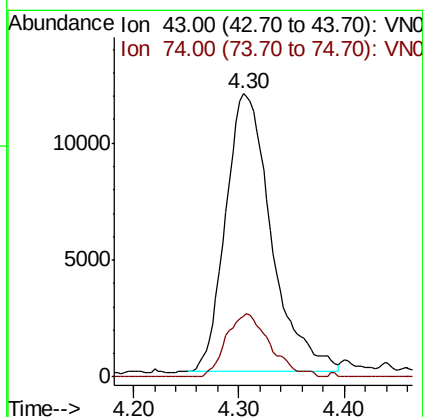
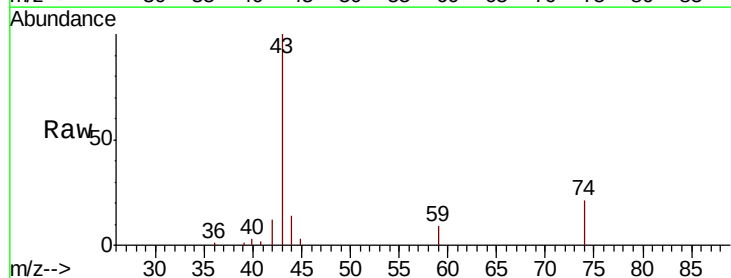
Acq: 13 Sep 2019 10:34

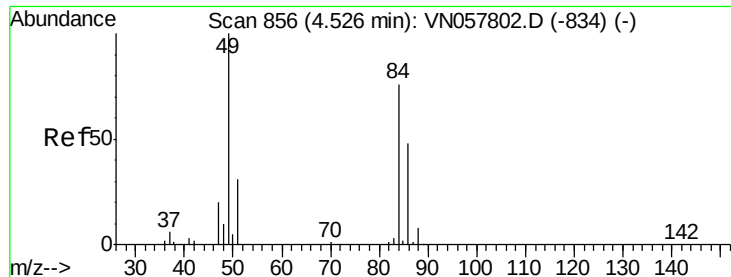
Tgt Ion: 43 Resp: 35767

Ion Ratio Lower Upper

43 100

74 21.8 17.9 26.9

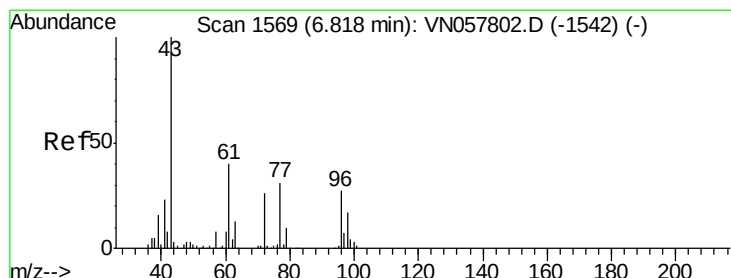
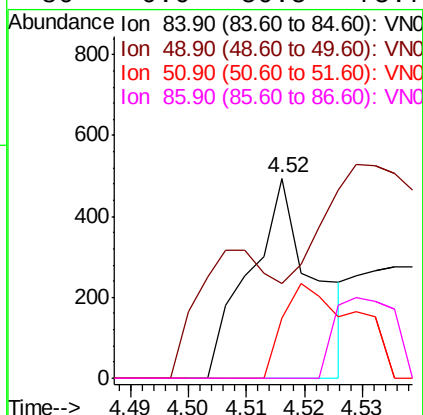
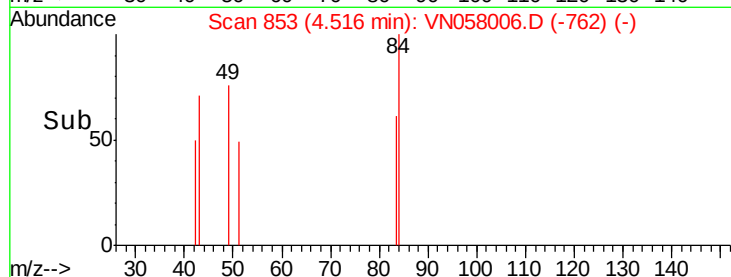
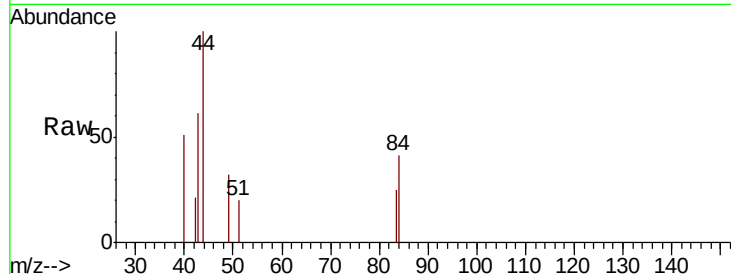




#20
Methylene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN058006.D
Acq: 13 Sep 2019 10:34

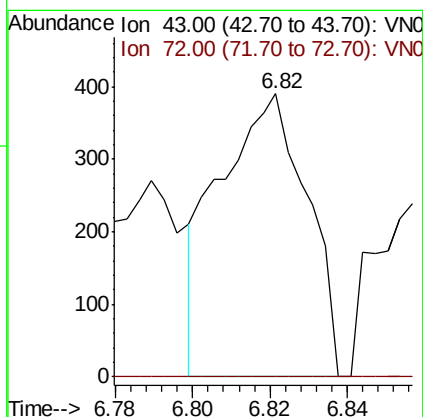
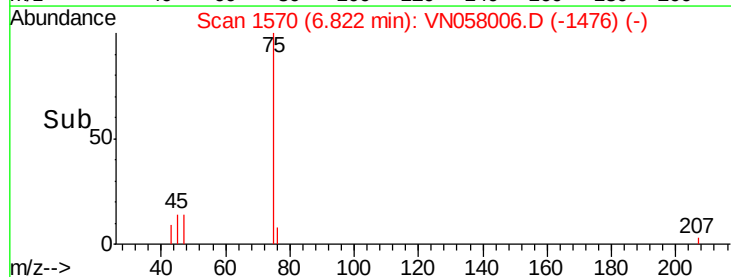
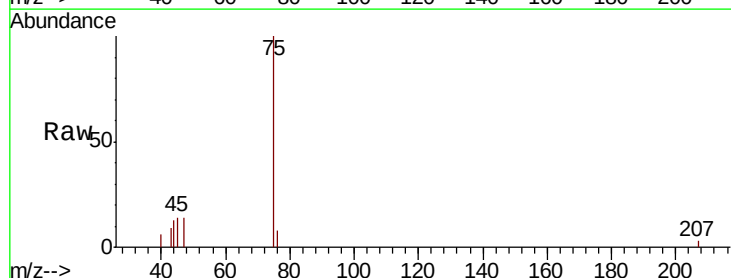
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBL02

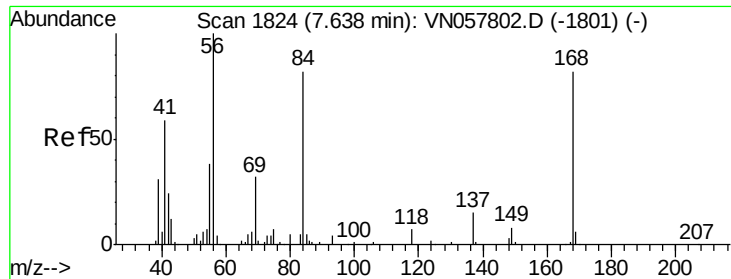
Tgt Ion: 84 Resp: 380
Ion Ratio Lower Upper
84 100
49 13.8 104.8 157.2#
51 30.4 33.0 49.4#
86 0.0 50.5 75.7#



#25
2-Butanone
Concen: 0.207 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN058006.D
Acq: 13 Sep 2019 10:34

Tgt Ion: 43 Resp: 614
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#

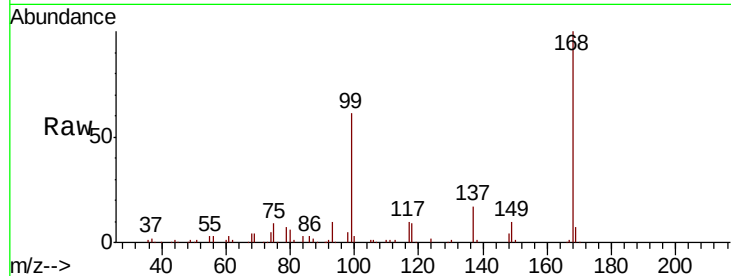




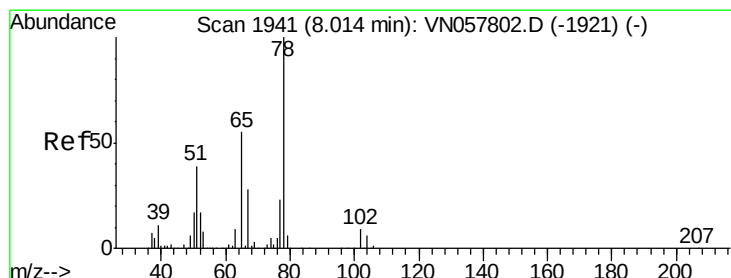
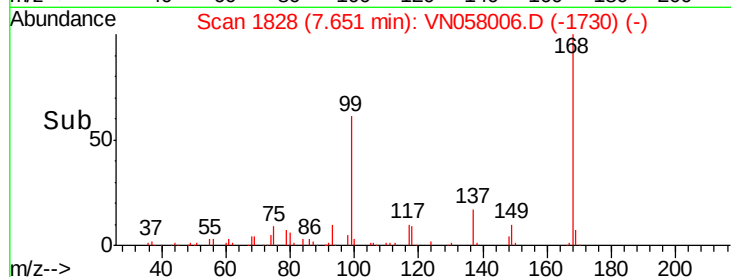
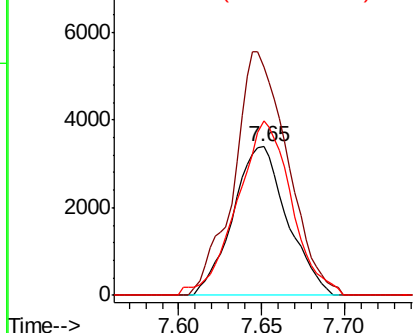
#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN058006.D
Acq: 13 Sep 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBL02

Tgt Ion: 56 Resp: 7729
Ion Ratio Lower Upper
56 100
69 153.7 25.9 38.9#
84 112.7 65.6 98.4#

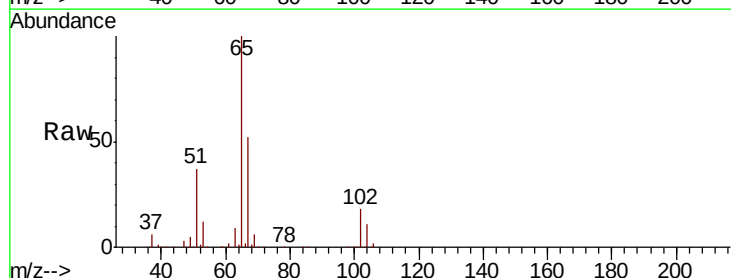


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

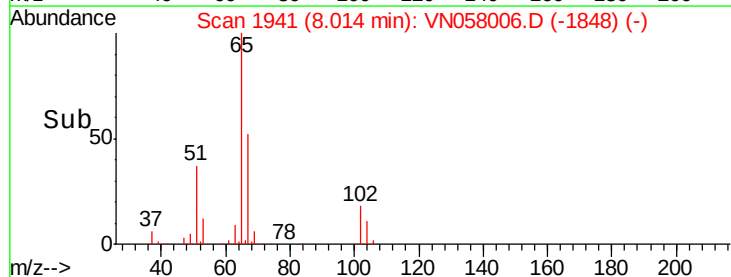
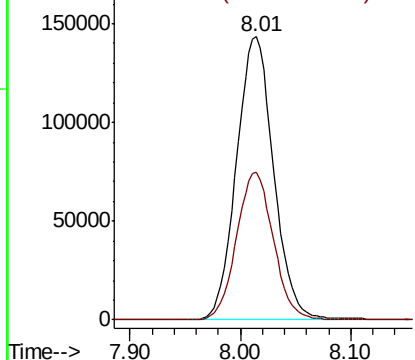


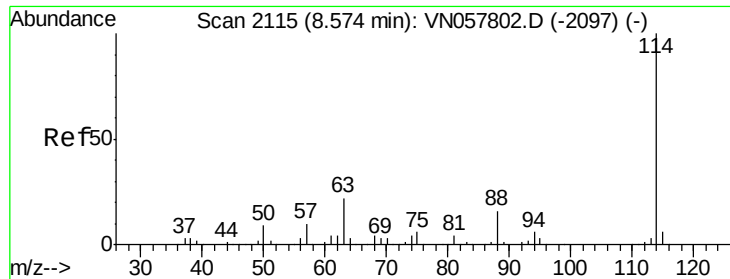
#33
1,2-Dichloroethane-d4
Concen: 53.481 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN058006.D
Acq: 13 Sep 2019 10:34

Tgt Ion: 65 Resp: 334484
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.0



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

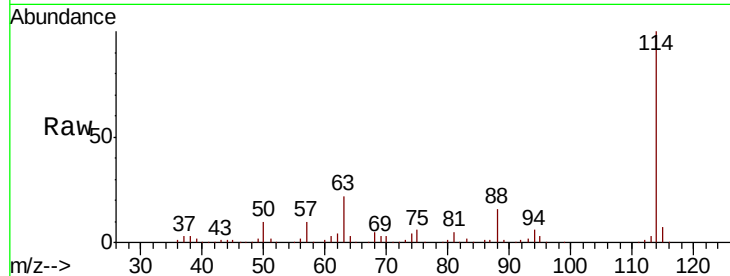




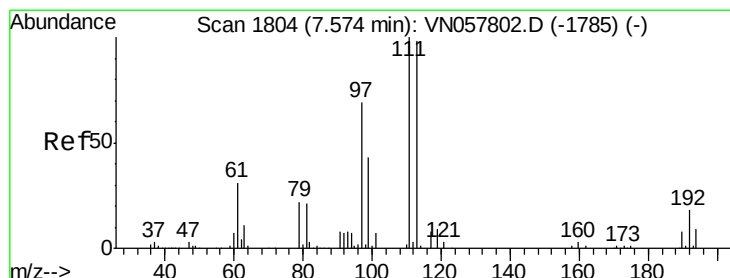
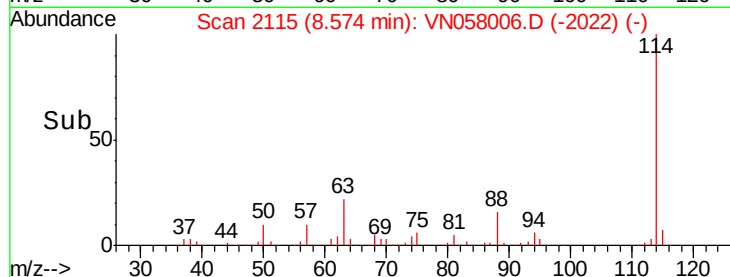
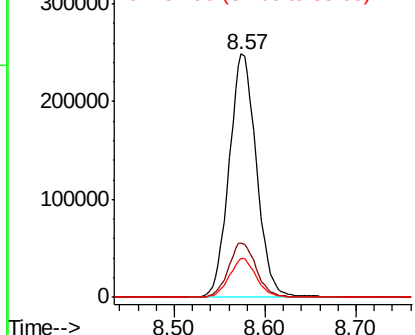
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058006.D
 Acq: 13 Sep 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBL02

Tgt Ion:114 Resp: 518647
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.0
 88 16.0 0.0 31.4

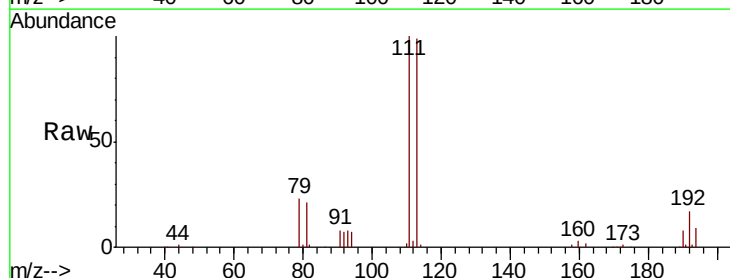


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

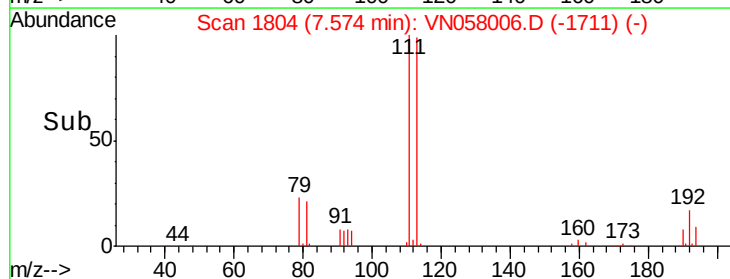
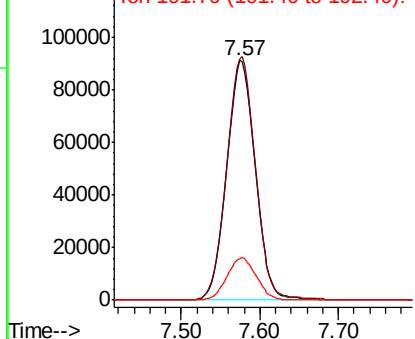


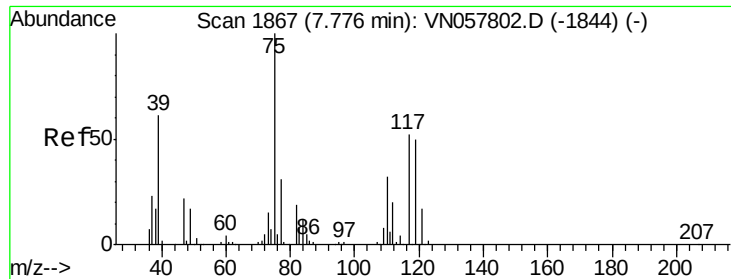
#35
 Dibromofluoromethane
 Concen: 48.020 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058006.D
 Acq: 13 Sep 2019 10:34

Tgt Ion:113 Resp: 229869
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.3 121.9
 192 18.1 14.6 22.0



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

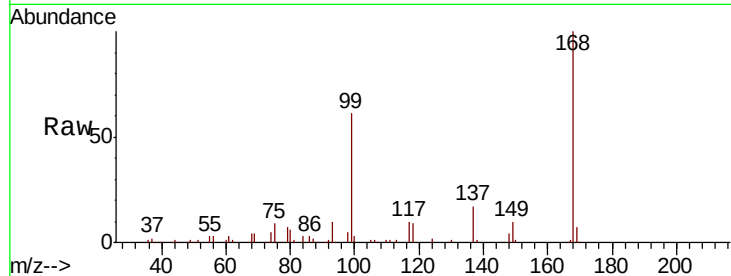




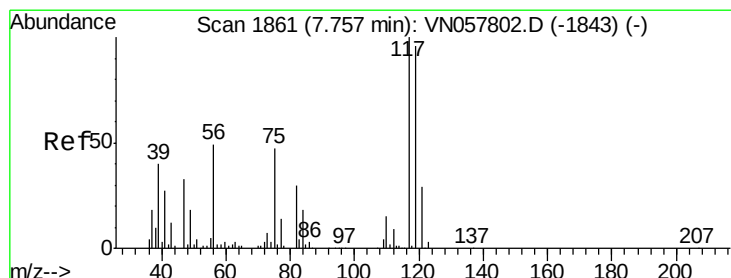
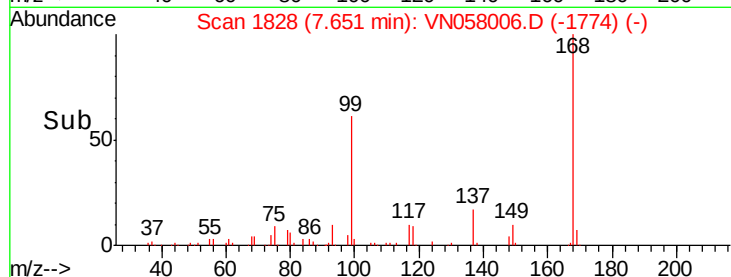
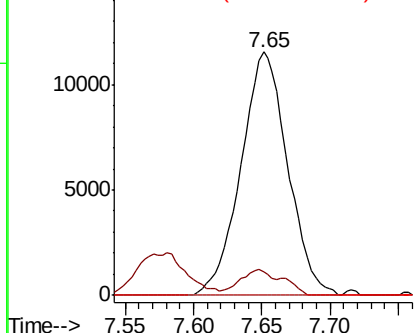
#36
 1,1-Dichloropropene
 Concen: 4.561 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058006.D
 Acq: 13 Sep 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBL02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	16.3	48.9#
77	0.0	25.0	37.4#

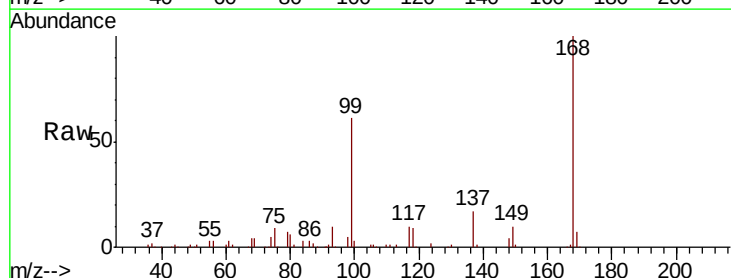


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

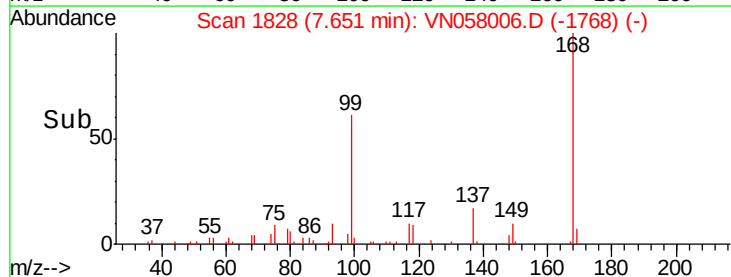
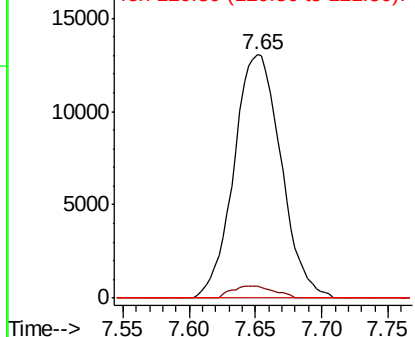


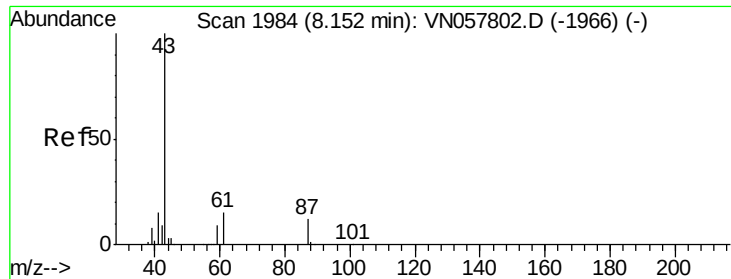
#38
 Carbon Tetrachloride
 Concen: 5.870 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058006.D
 Acq: 13 Sep 2019 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.9	115.3#
121	0.0	23.4	35.2#



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: 0.657 ug/l

RT: 8.18 min Scan# 1992

Delta R.T. 0.03 min

Lab File: VN058006.D

Acq: 13 Sep 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBL02

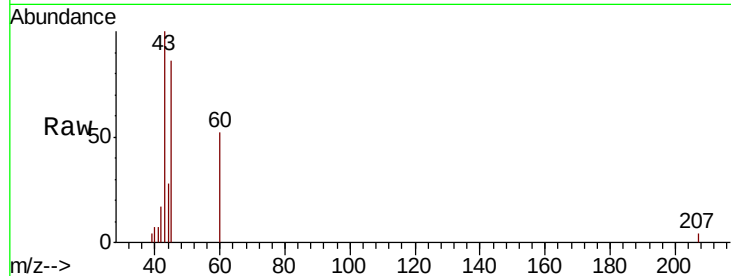
Tgt Ion: 43 Resp: 6871

Ion Ratio Lower Upper

43 100

61 0.0 20.1 30.1#

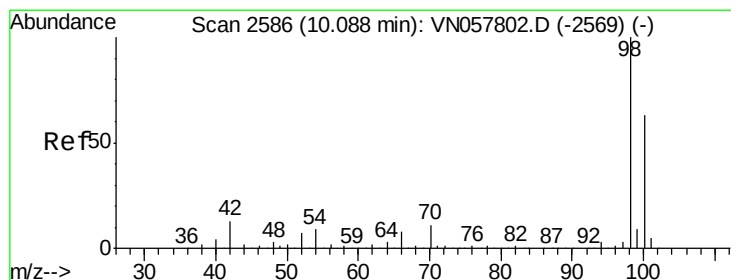
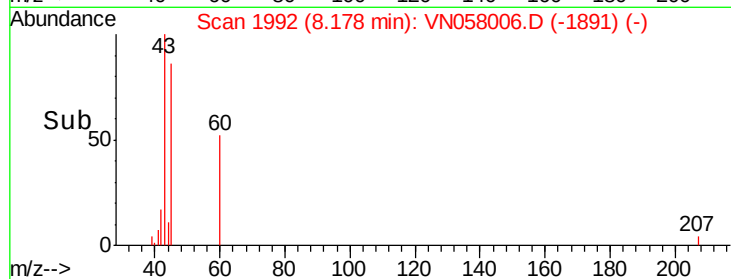
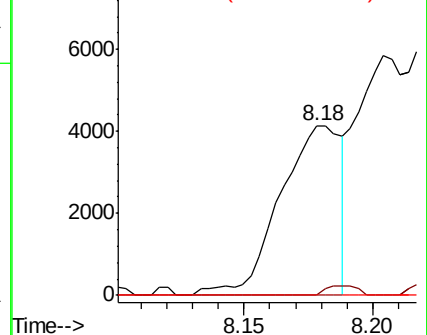
87 0.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 48.499 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058006.D

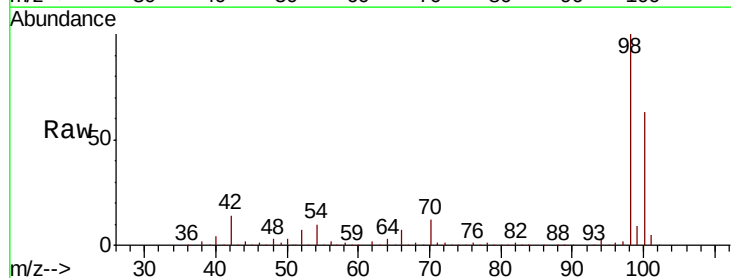
Acq: 13 Sep 2019 10:34

Tgt Ion: 98 Resp: 901364

Ion Ratio Lower Upper

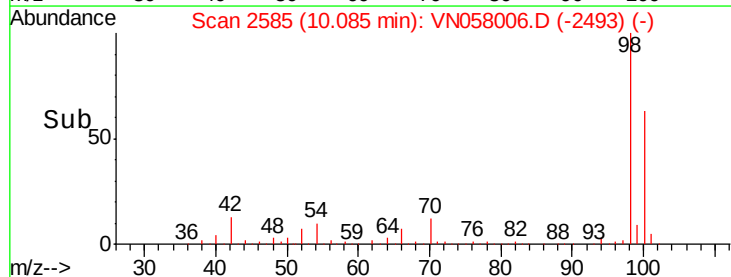
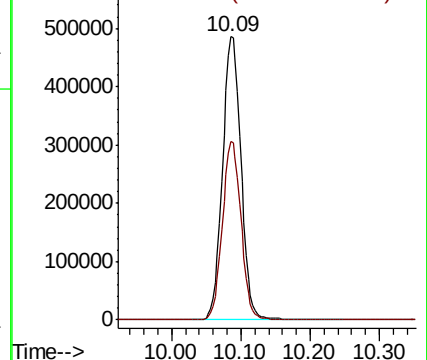
98 100

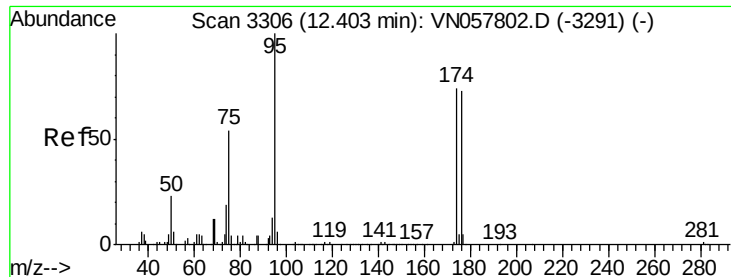
100 63.1 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

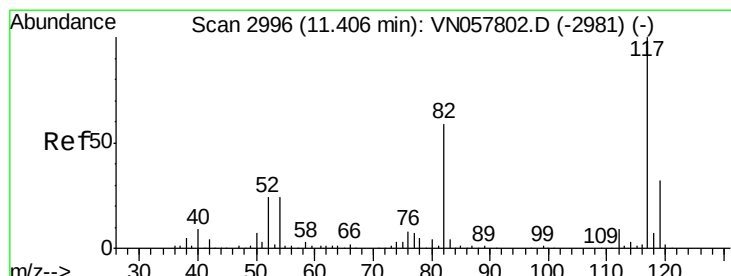
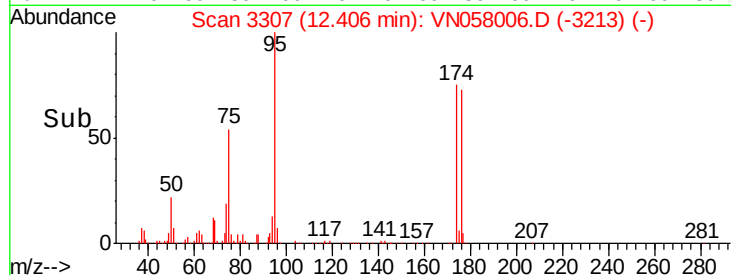
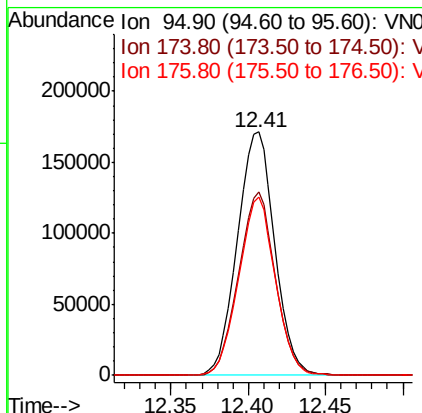
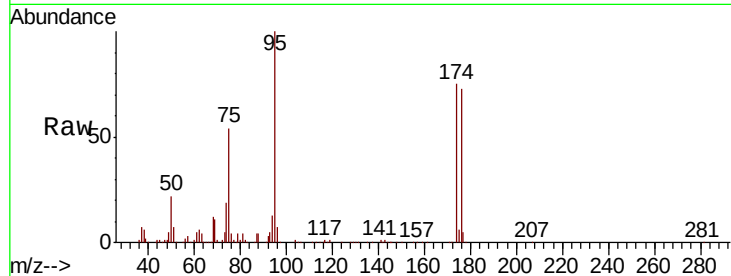




#62
4-Bromofluorobenzene
Concen: 40.593 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058006.D
Acq: 13 Sep 2019 10:34

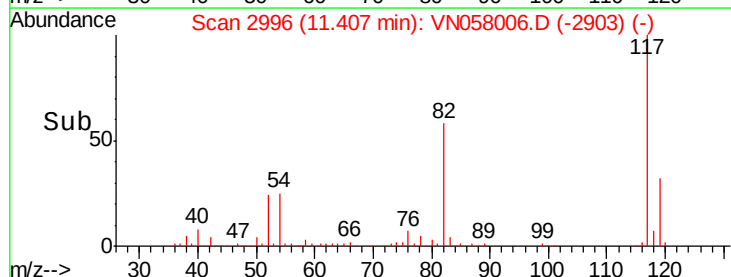
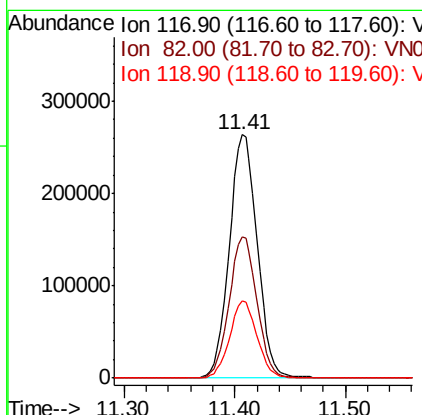
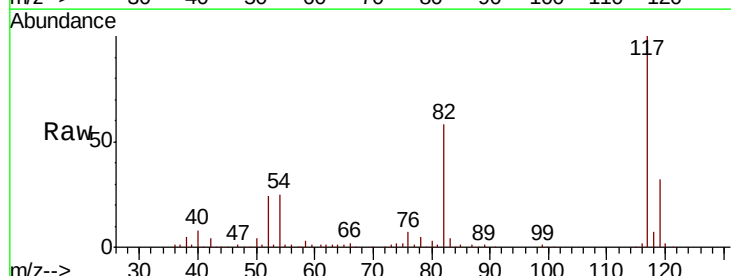
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBL02

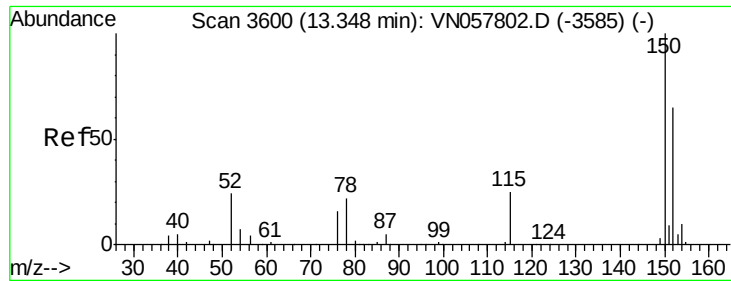
Tgt Ion: 95 Resp: 287505
Ion Ratio Lower Upper
95 100
174 74.2 0.0 150.2
176 72.0 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058006.D
Acq: 13 Sep 2019 10:34

Tgt Ion: 117 Resp: 463209
Ion Ratio Lower Upper
117 100
82 58.2 47.2 70.8
119 31.7 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058006.D

Acq: 13 Sep 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBL02

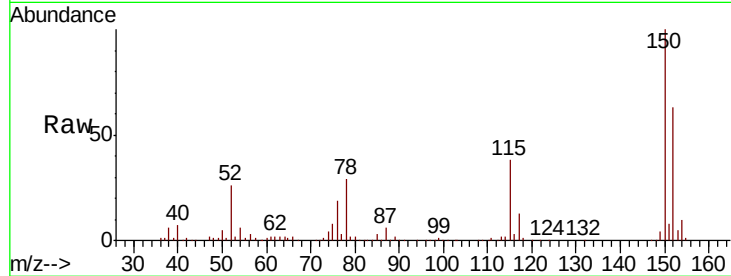
Tgt Ion:152 Resp: 230137

Ion Ratio Lower Upper

152 100

115 61.1 30.3 91.0

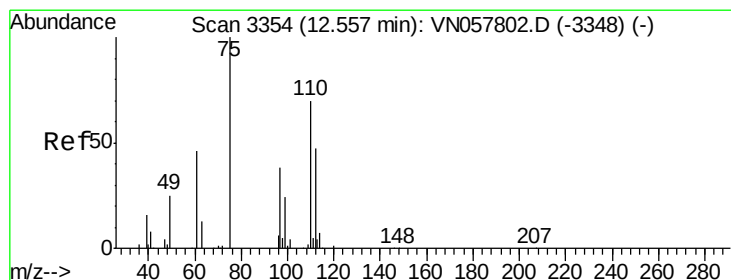
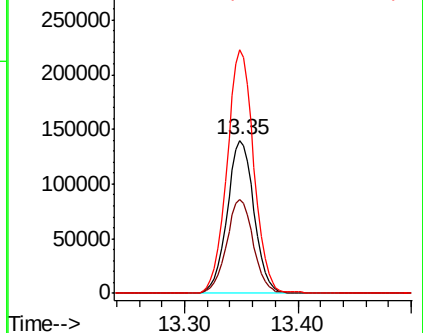
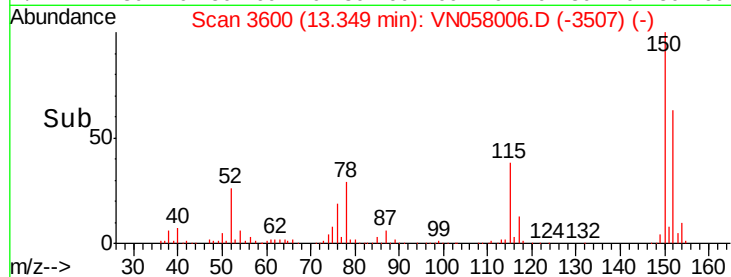
150 159.2 0.0 352.4



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: 30.025 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058006.D

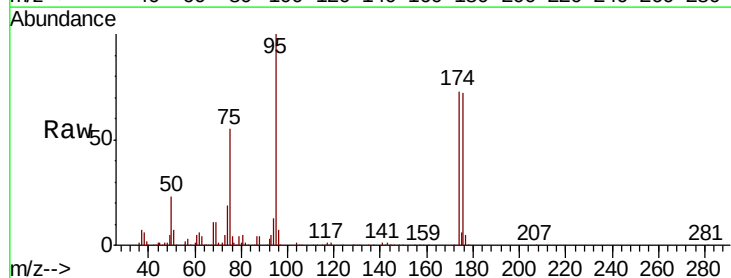
Acq: 13 Sep 2019 10:34

Tgt Ion: 75 Resp: 156311

Ion Ratio Lower Upper

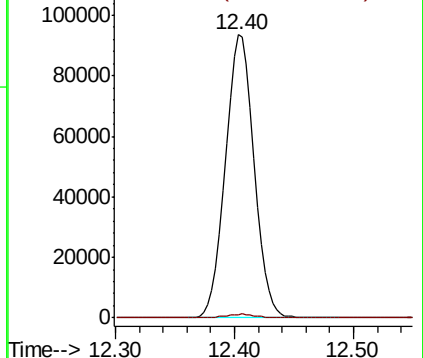
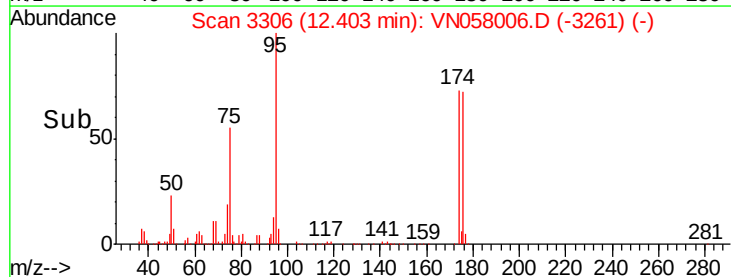
75 100

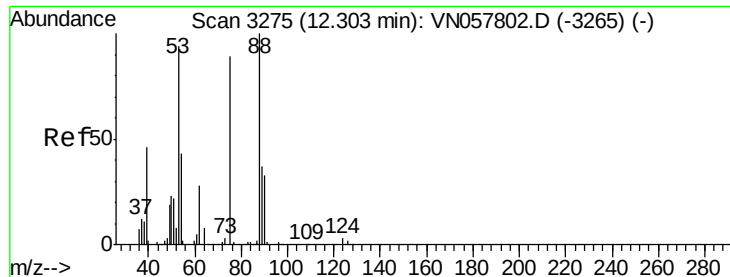
77 1.3 0.0 0.0#



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: 105.657 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058006.D

Acq: 13 Sep 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

VN0914WBL02

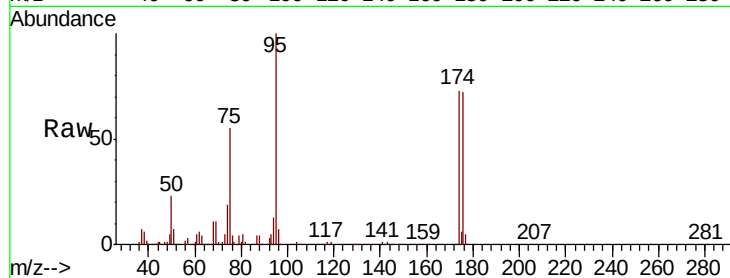
Tgt Ion: 75 Resp: 156311

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 35.3 52.9#

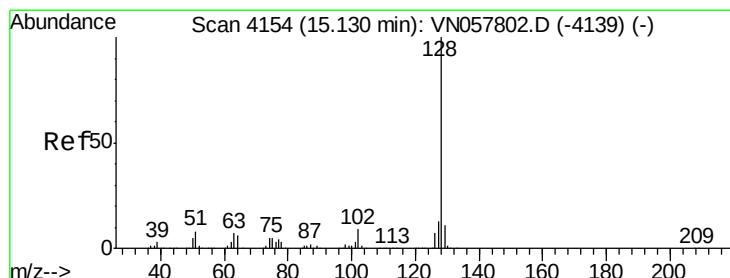
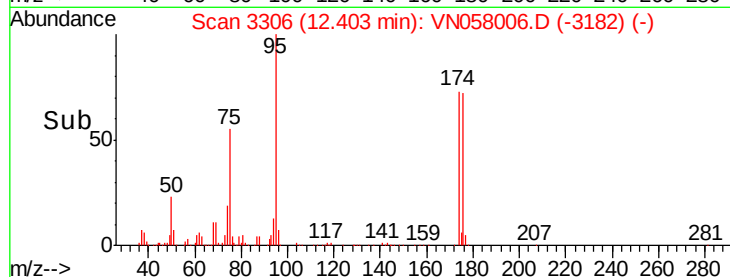
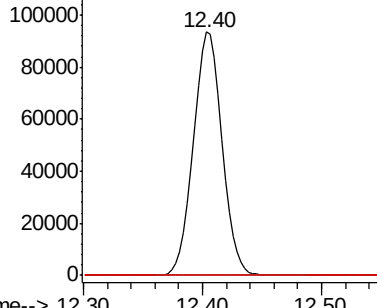


Abundance

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



#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058006.D

Acq: 13 Sep 2019 10:34

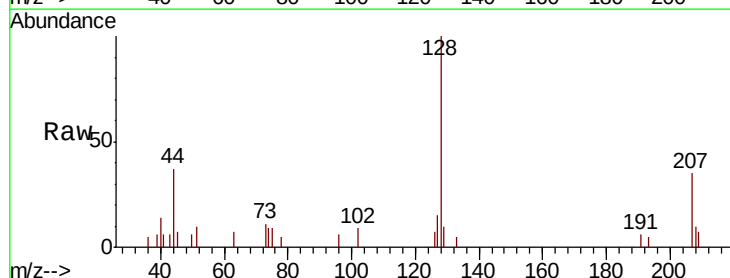
Tgt Ion: 128 Resp: 5304

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

129 9.4 8.6 12.8

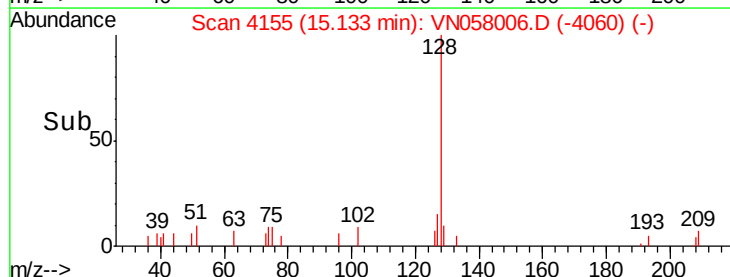
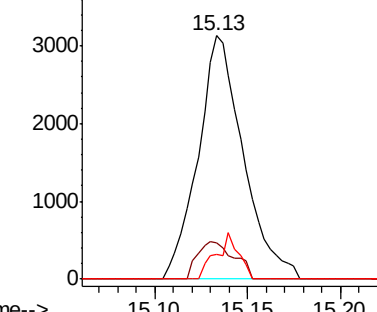


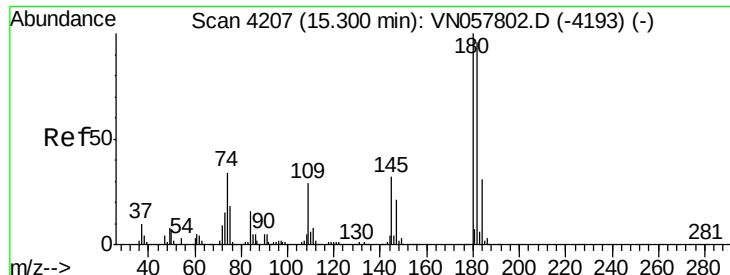
Abundance

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: 1.223 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.00 min
 Lab File: VN058006.D
 Acq: 13 Sep 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBL02

Tgt Ion:180 Resp: 1071
 Ion Ratio Lower Upper
 180 100
 182 100.2 48.3 144.8
 145 27.2 16.3 48.8

