

Data File : VN057061.D
Acq On : 2 Aug 2019 13:09
Operator : JC/SP
Sample : K4139-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Quant Time: Aug 03 04:23:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	551538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	791665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	636830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167010	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	266047	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
35) Dibromofluoromethane	7.58	113	243401	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	10.08	98	912060	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
62) 4-Bromofluorobenzene	12.40	95	239000	37.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.98%	

Target Compounds

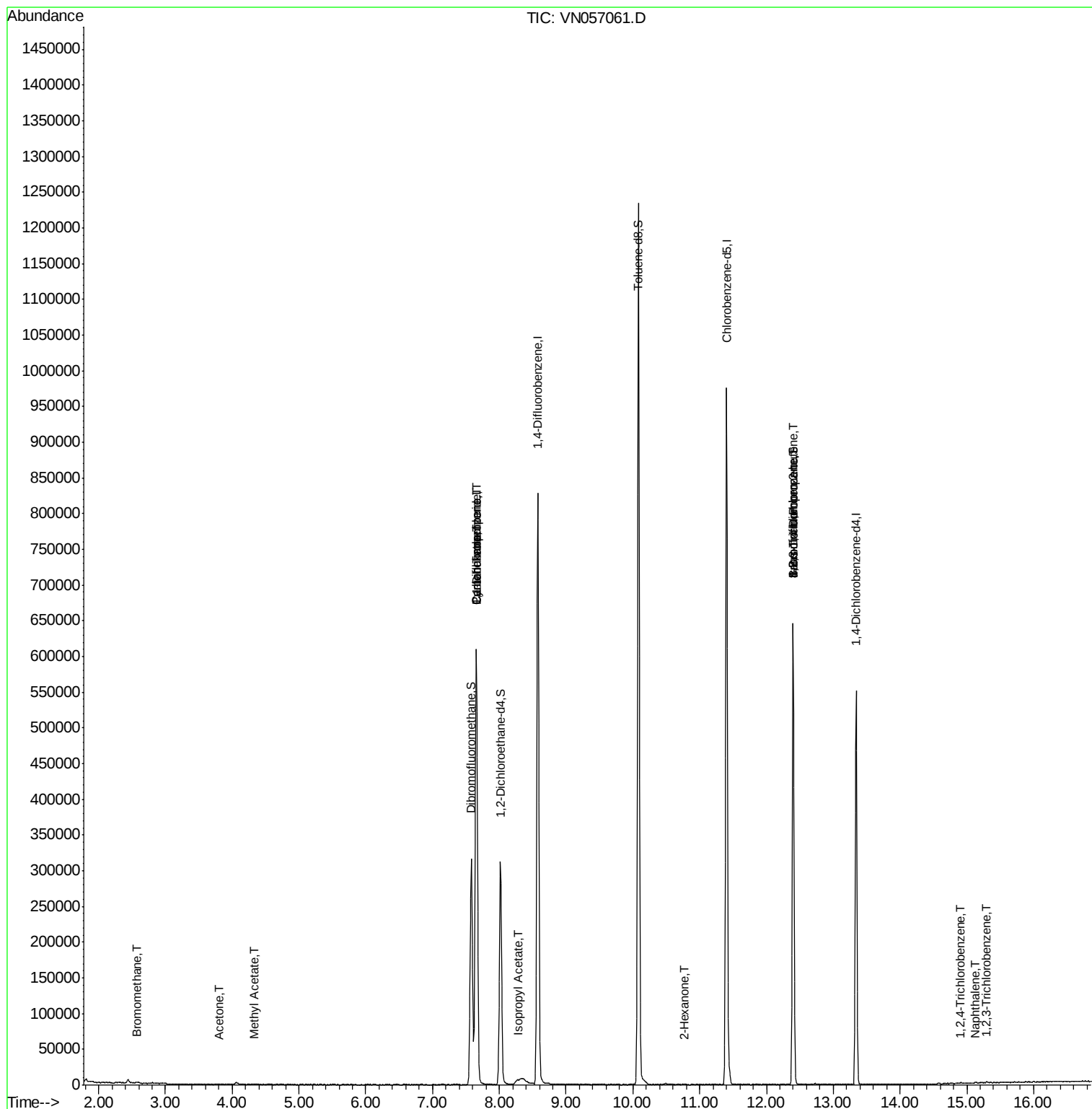
						Qvalue
5) Bromomethane	2.56	94	830	0.213	ug/l	94
16) Acetone	3.81	43	843	0.412	ug/l	95
18) Methyl Acetate	4.32	43	1963	0.301	ug/l #	76
31) Cyclohexane	7.65	56	8193	0.883	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	34301	4.924	ug/l #	48
38) Carbon Tetrachloride	7.65	117	46729	7.092	ug/l #	17
43) Isopropyl Acetate	8.27	43	5635	0.611	ug/l #	52
59) 2-Hexanone	10.76	43	386	2.590	ug/l #	23
71) Bromoform	12.40	173	1632	0.478	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	106574	31.422	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	106574	100.958	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	588	2.903	ug/l	85
95) Naphthalene	15.12	128	1572	3.793	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.30	180	734	2.289	ug/l #	82

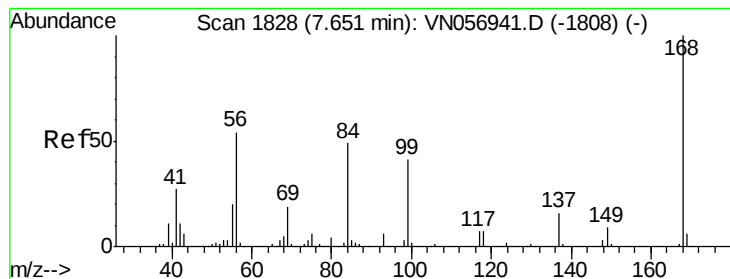
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057061.D

Acq: 2 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

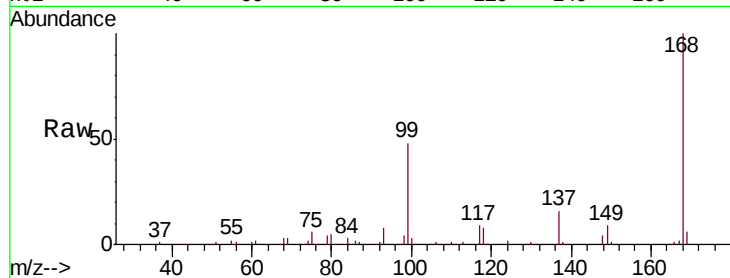
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 551538

Ion Ratio Lower Upper

168 100

99 47.8 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

250000

200000

150000

100000

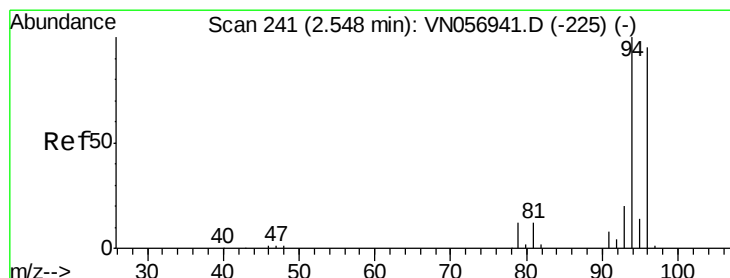
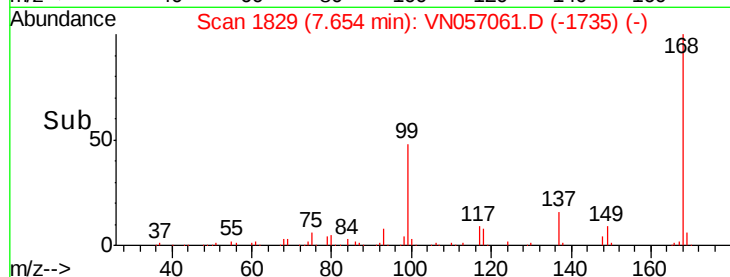
50000

0

7.65

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: 0.213 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.01 min

Lab File: VN057061.D

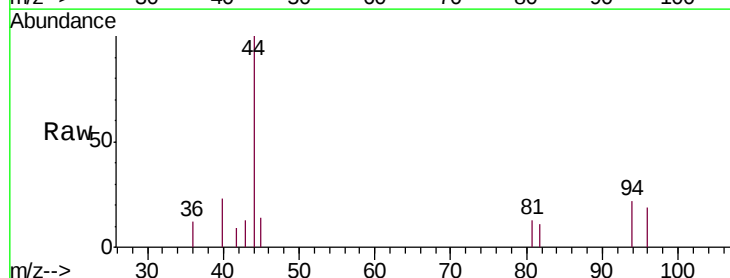
Acq: 2 Aug 2019 13:09

Tgt Ion: 94 Resp: 830

Ion Ratio Lower Upper

94 100

96 89.2 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VN

400

300

200

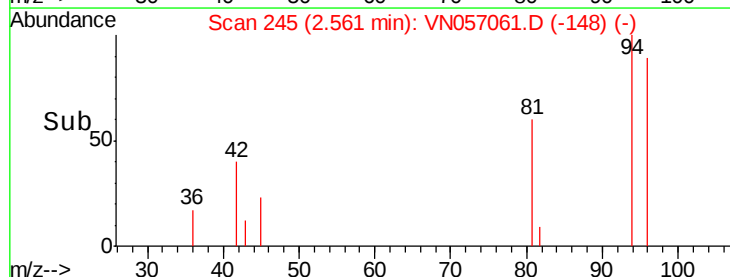
100

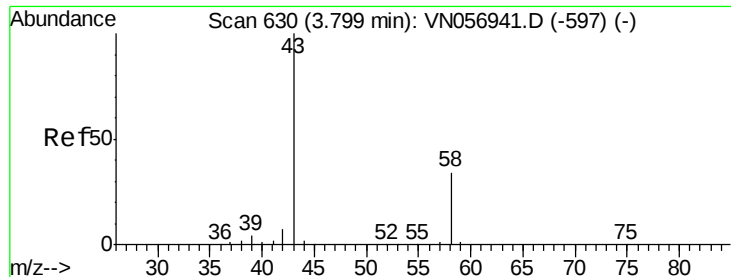
0

2.56

2.55 2.60

Time-->





#16

Acetone

Concen: 0.412 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN057061.D

Acq: 2 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

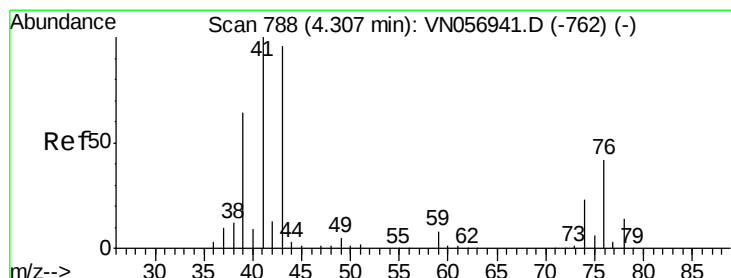
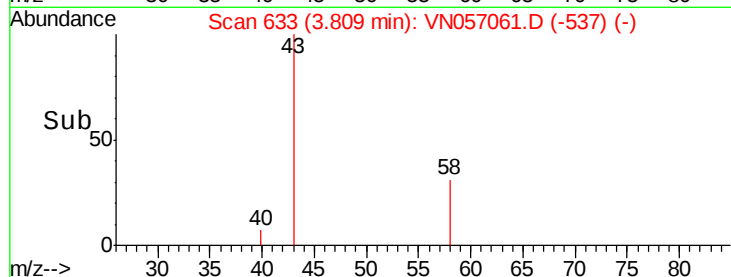
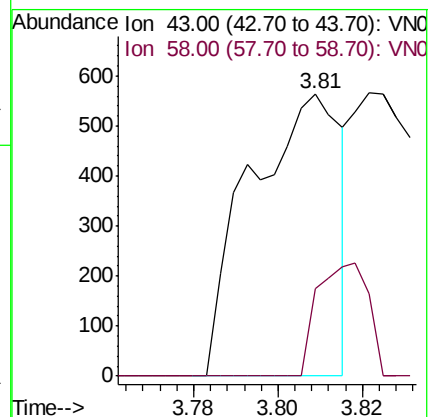
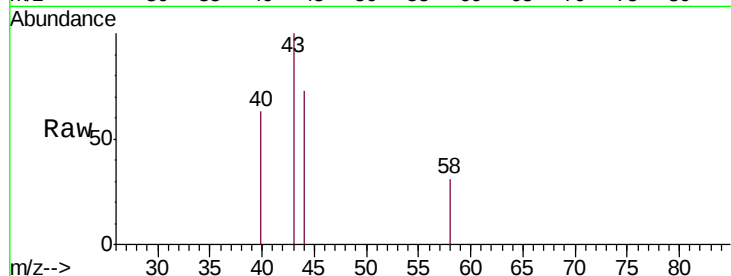
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 43 Resp: 843

Ion Ratio Lower Upper

43 100

58 30.9 27.2 40.8



#18

Methyl Acetate

Concen: 0.301 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.02 min

Lab File: VN057061.D

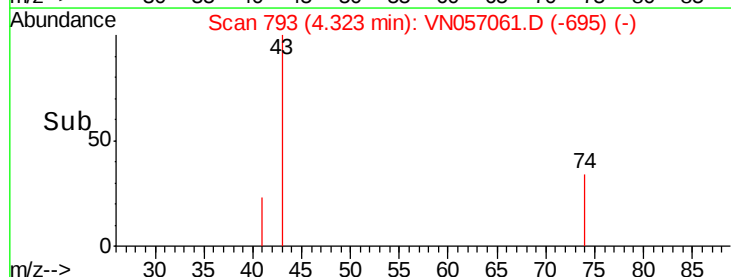
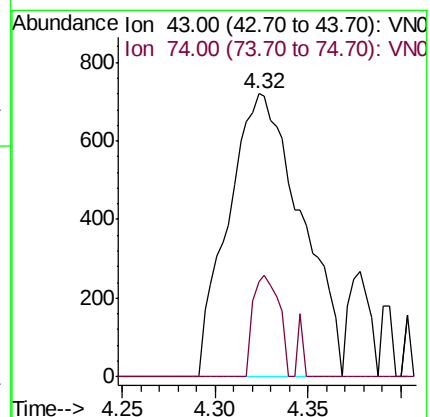
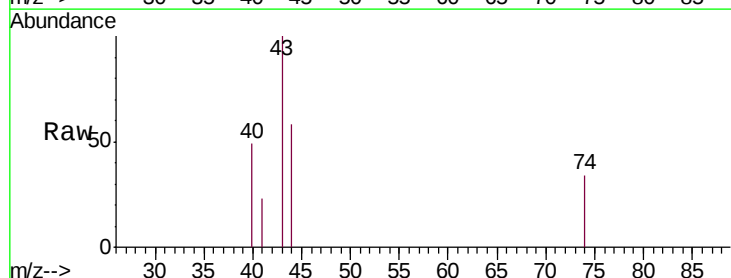
Acq: 2 Aug 2019 13:09

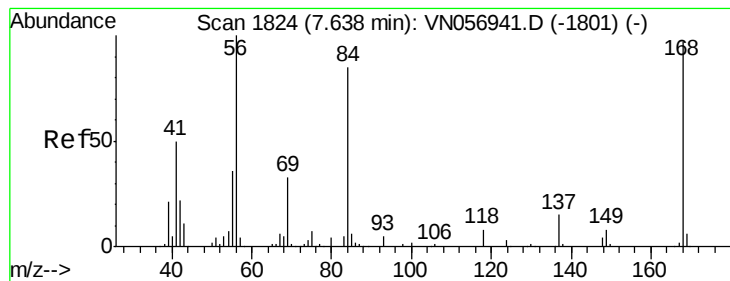
Tgt Ion: 43 Resp: 1963

Ion Ratio Lower Upper

43 100

74 12.7 19.7 29.5#





#31

Cyclohexane

Concen: 0.883 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.02 min

Lab File: VN057061.D

Acq: 2 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

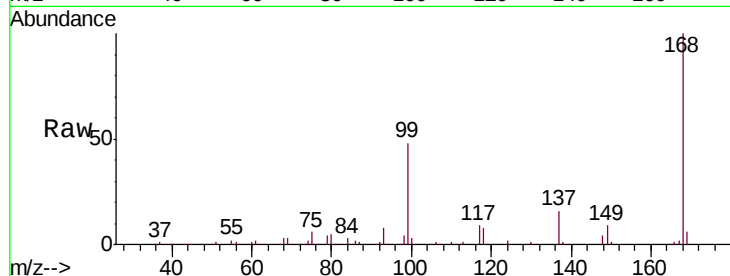
Tgt Ion: 56 Resp: 8193

Ion Ratio Lower Upper

56 100

69 211.5 26.2 39.2#

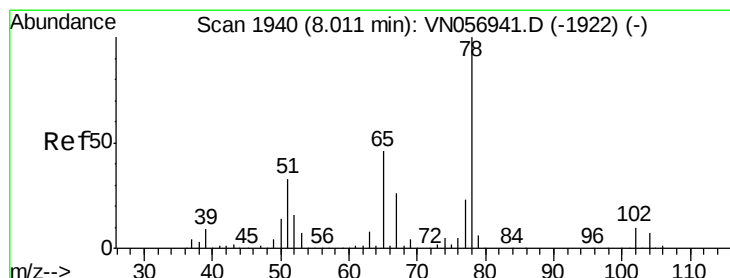
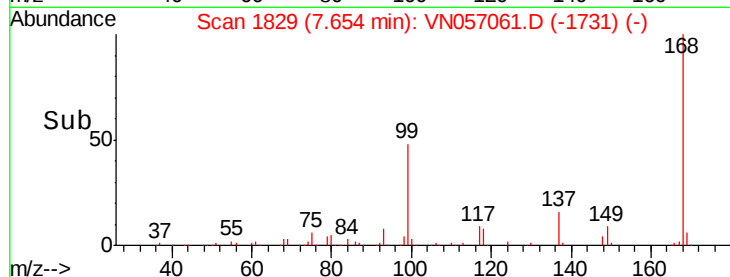
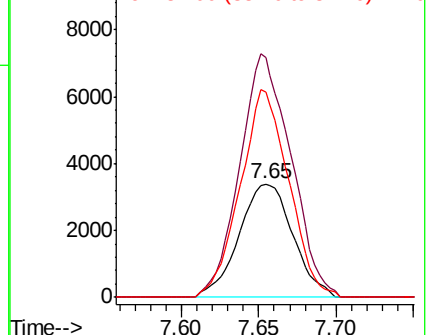
84 180.9 68.2 102.2#



Abundance Ion 56.00 (55.70 to 56.70): VN056941.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN056941.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN056941.D (-1801) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.123 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.01 min

Lab File: VN057061.D

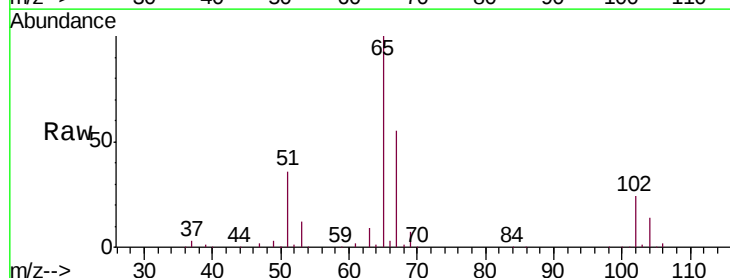
Acq: 2 Aug 2019 13:09

Tgt Ion: 65 Resp: 266047

Ion Ratio Lower Upper

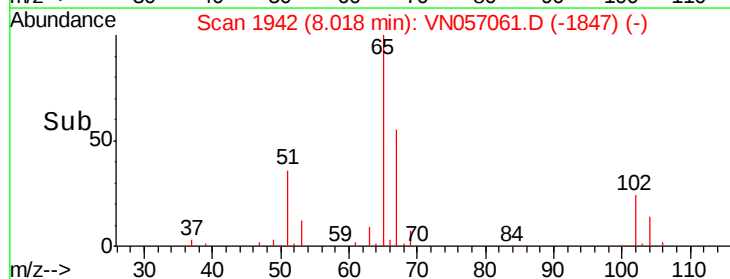
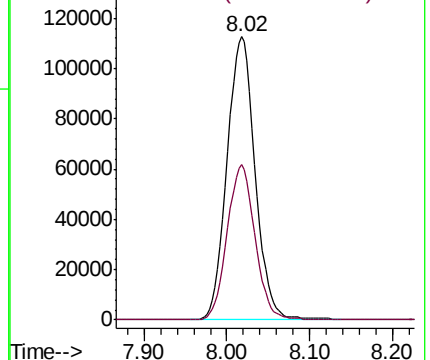
65 100

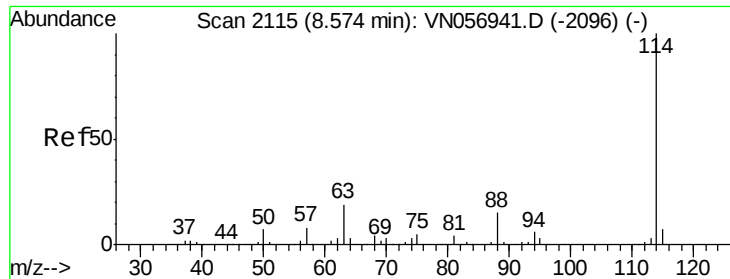
67 54.1 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN056941.D (-1922) (-)

Ion 66.90 (66.60 to 67.60): VN056941.D (-1922) (-)

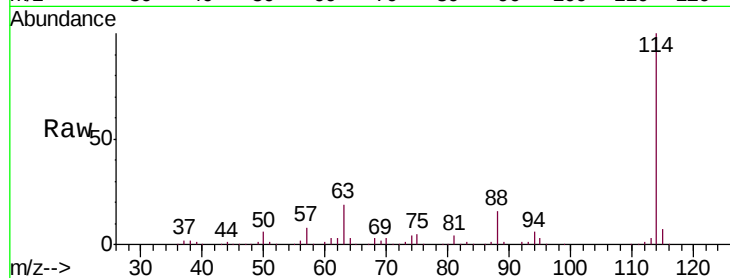




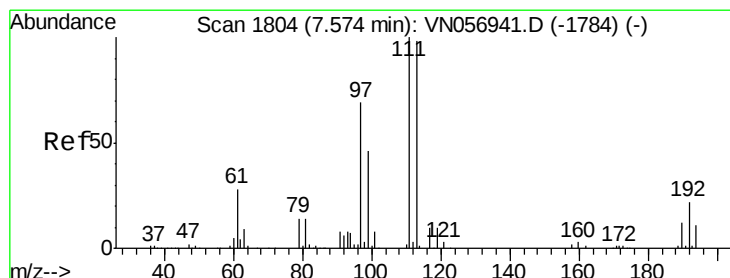
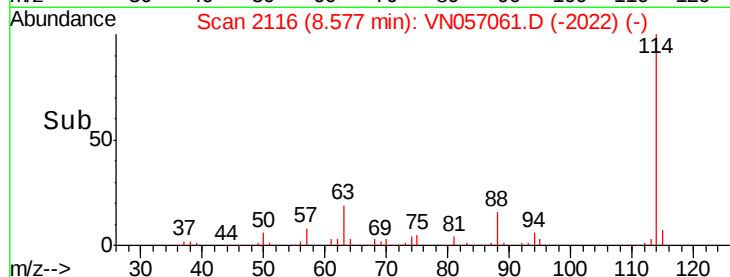
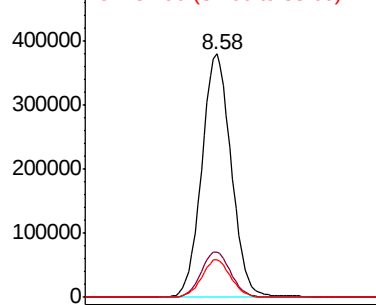
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2116
Delta R.T. 0.00 min
Lab File: VN057061.D
Acq: 2 Aug 2019 13:09

Instrument :
MSVOA_N
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STORAGE-BLANK-SOIL-REF-6

Tgt Ion:	114	Resp:	791665
Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	38.0
88	15.5	0.0	30.0

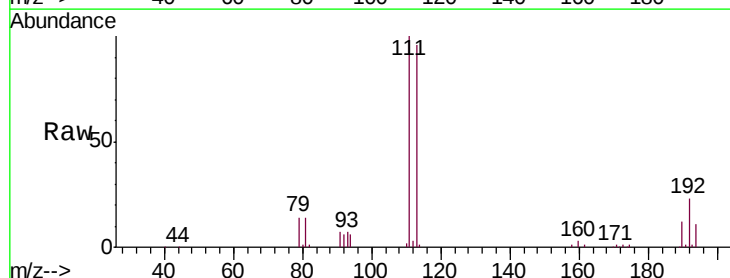


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

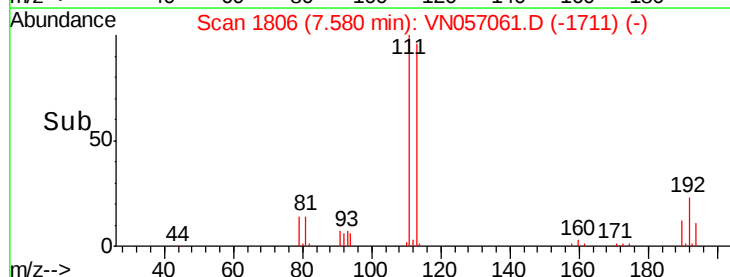
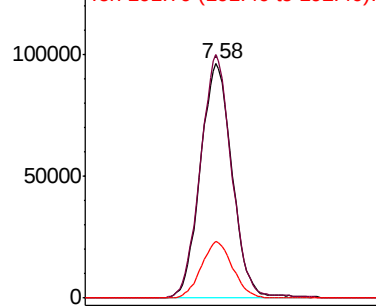


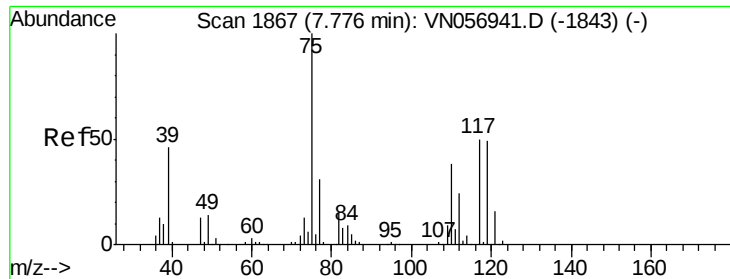
#35
Dibromofluoromethane
Concen: 48.027 ug/l
RT: 7.58 min Scan# 1806
Delta R.T. 0.01 min
Lab File: VN057061.D
Acq: 2 Aug 2019 13:09

Tgt Ion:	113	Resp:	243401
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.0	123.0
192	23.7	18.4	27.6



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

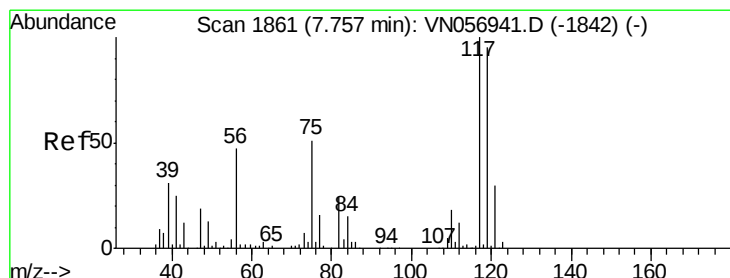
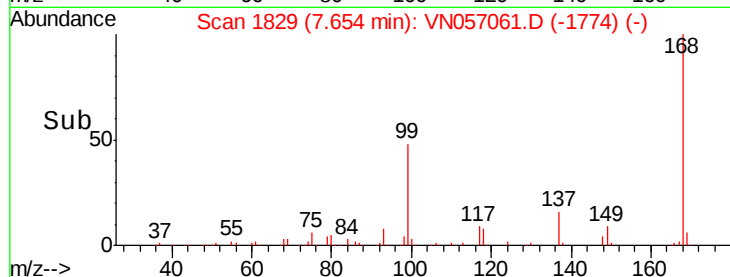
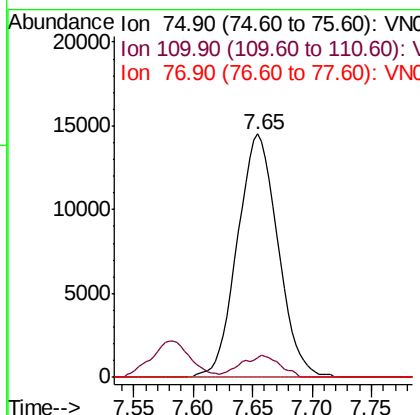
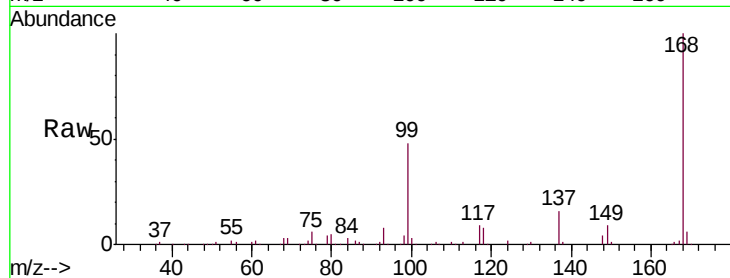




#36
 1,1-Dichloropropene
 Concen: 4.924 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057061.D
 Acq: 2 Aug 2019 13:09

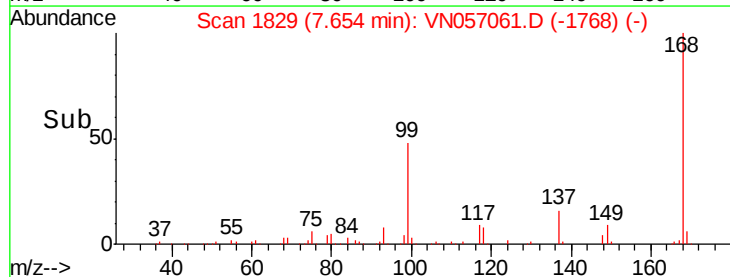
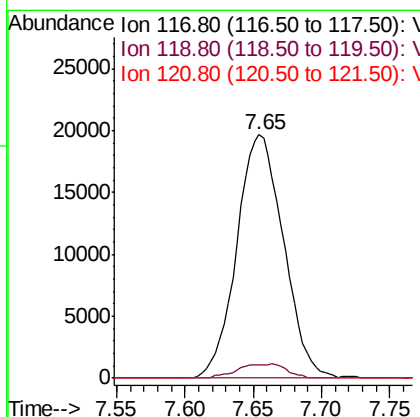
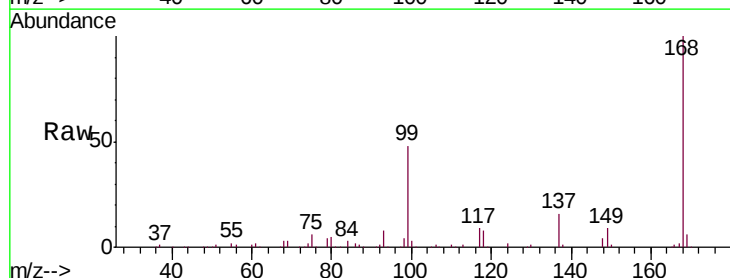
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

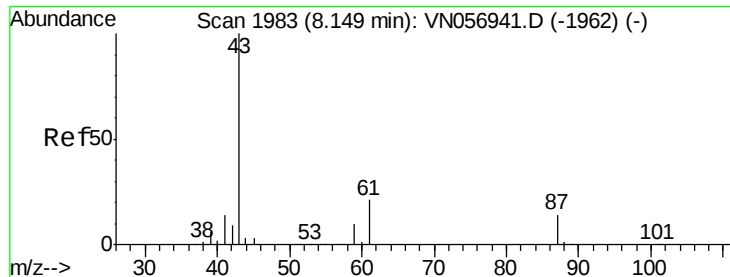
Tgt Ion: 75 Resp: 34301
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.6 55.8#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 7.092 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.10 min
 Lab File: VN057061.D
 Acq: 2 Aug 2019 13:09

Tgt Ion: 117 Resp: 46729
 Ion Ratio Lower Upper
 117 100
 119 5.4 75.3 112.9#
 121 0.0 24.2 36.4#





#43

Isopropyl Acetate

Concen: 0.611 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.12 min

Lab File: VN057061.D

Acq: 2 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

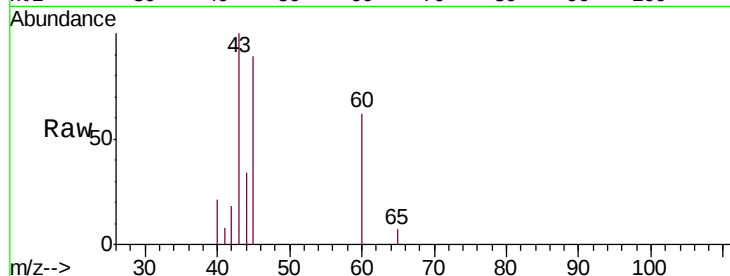
Tgt Ion: 43 Resp: 5635

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

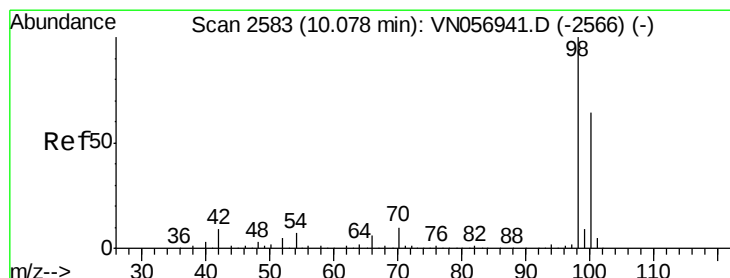
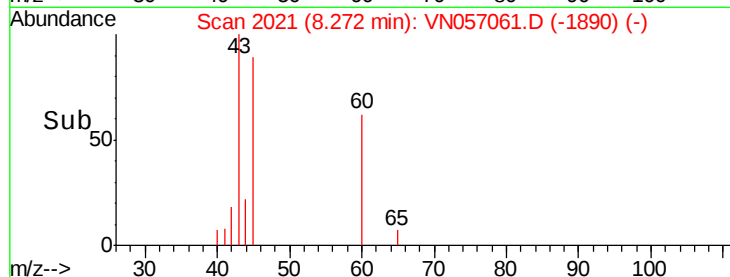
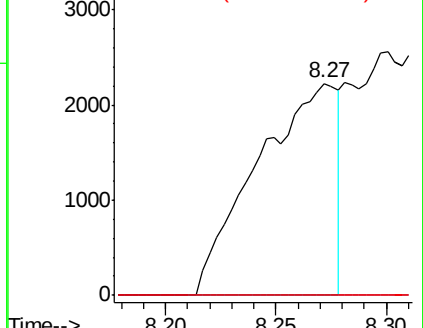
87 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)



#50

Toluene-d8

Concen: 47.192 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057061.D

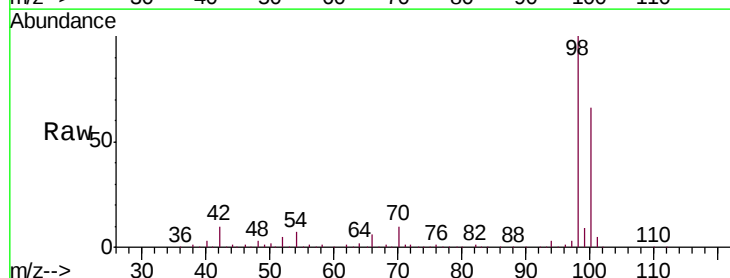
Acq: 2 Aug 2019 13:09

Tgt Ion: 98 Resp: 912060

Ion Ratio Lower Upper

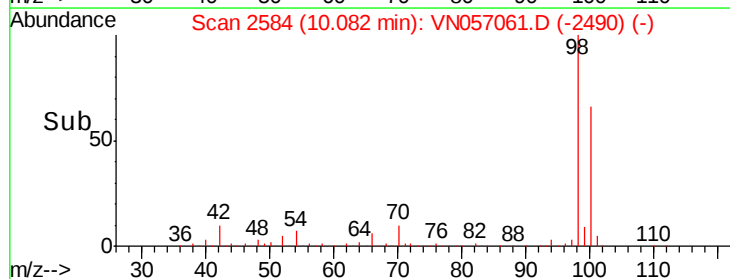
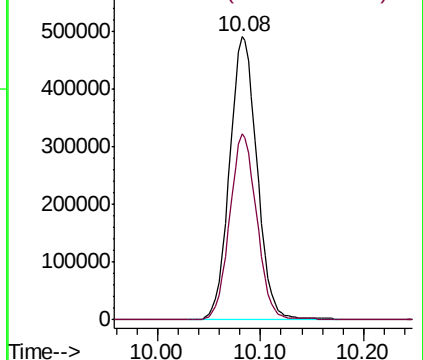
98 100

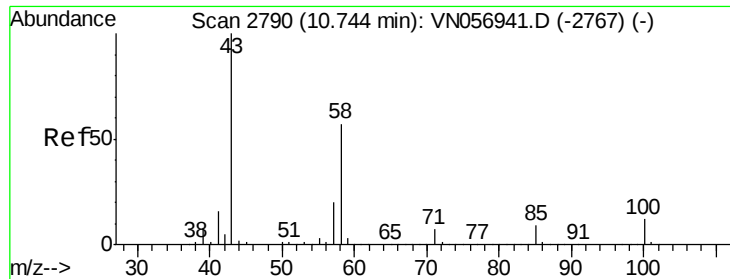
100 64.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN056941.D (-2566) (-)

Ion 100.00 (99.70 to 100.70): VN056941.D (-2566) (-)

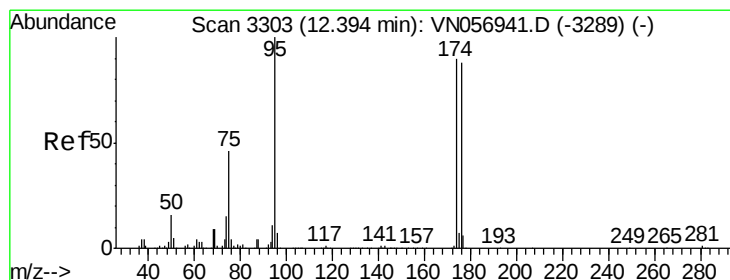
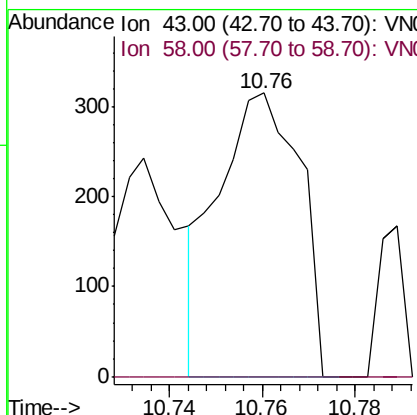
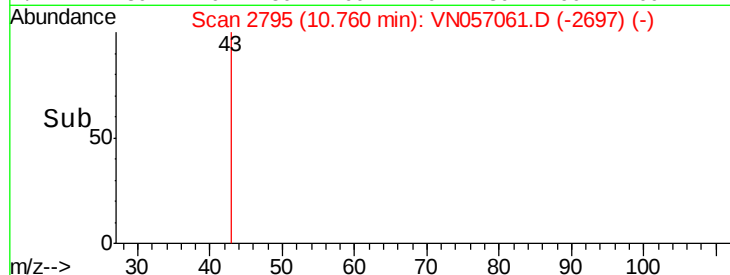
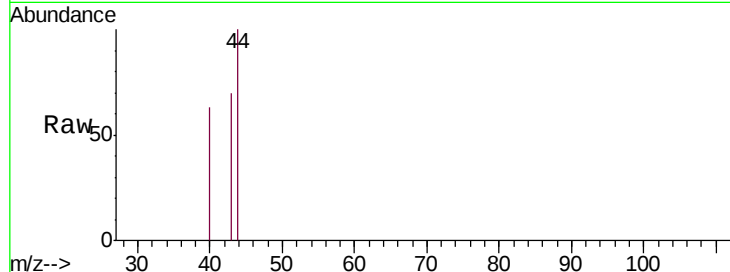




#59
 2-Hexanone
 Concen: 2.590 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.02 min
 Lab File: VN057061.D
 Acq: 2 Aug 2019 13:09

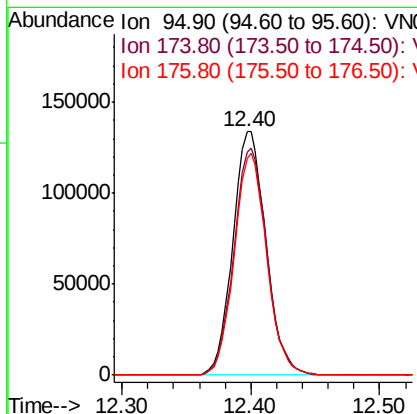
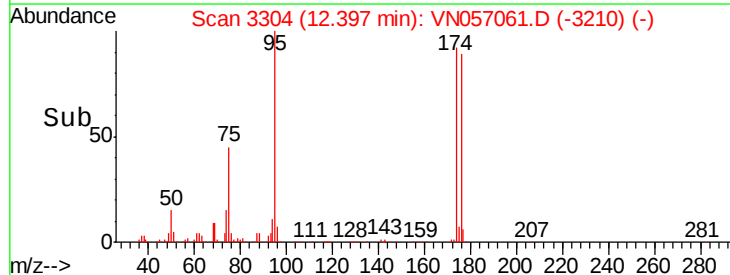
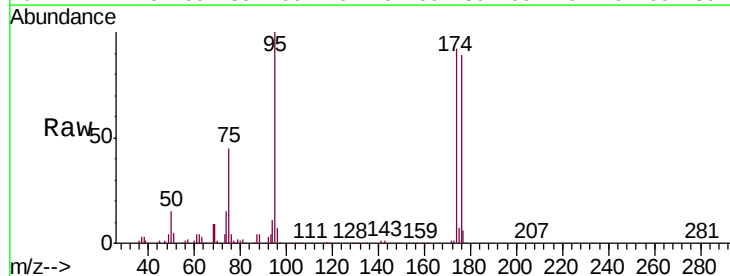
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

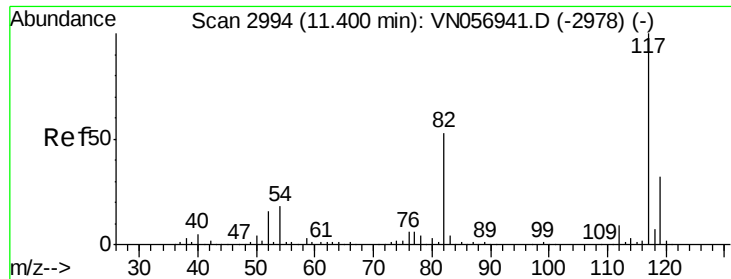
Tgt Ion: 43 Resp: 386
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.5 85.5#



#62
 4-Bromofluorobenzene
 Concen: 37.987 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057061.D
 Acq: 2 Aug 2019 13:09

Tgt Ion: 95 Resp: 239000
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 182.2
 176 89.2 0.0 179.4

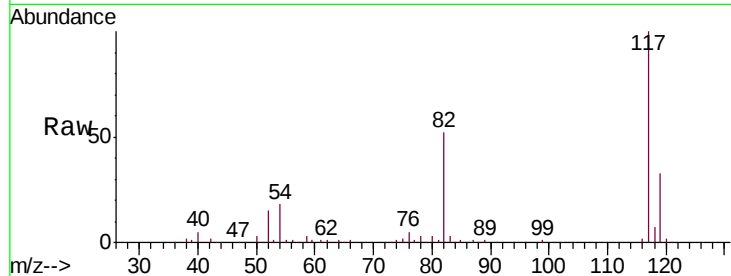




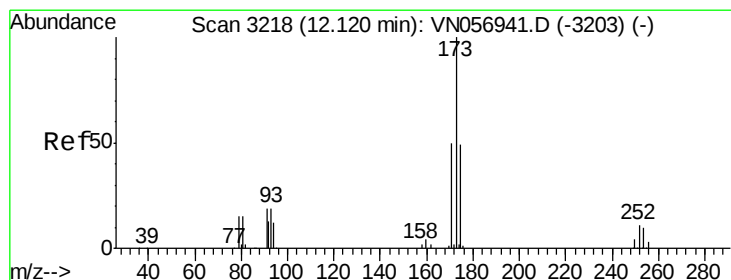
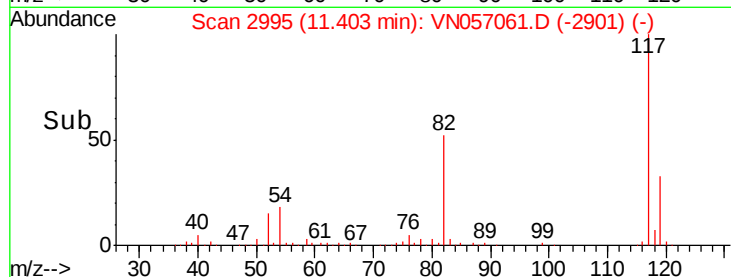
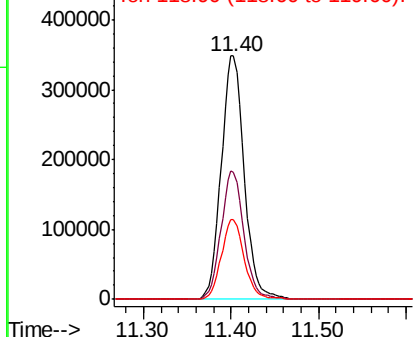
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057061.D
Acq: 2 Aug 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:117 Resp: 636830
Ion Ratio Lower Upper
117 100
82 52.2 42.2 63.4
119 32.5 25.8 38.6

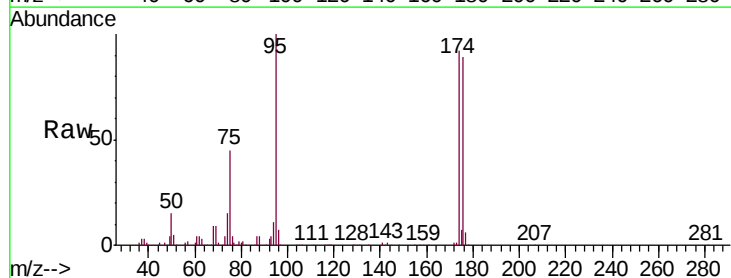


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

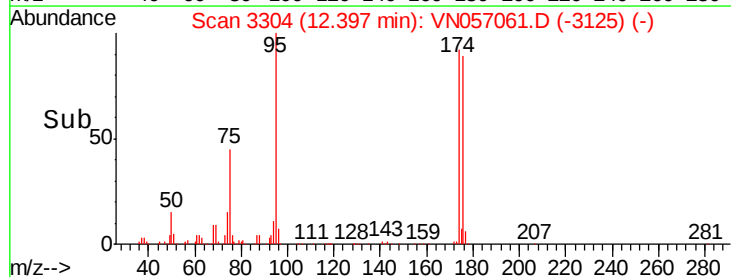
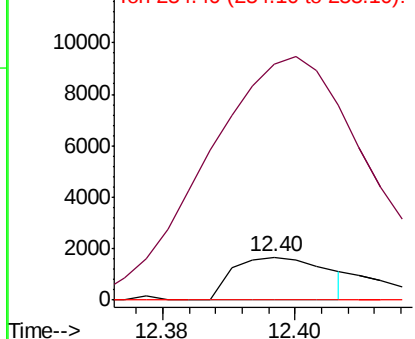


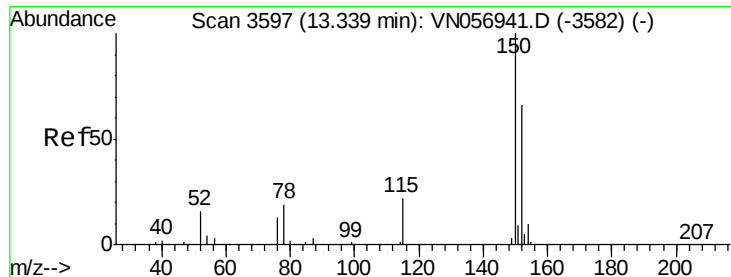
#71
Bromoform
Concen: 0.478 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN057061.D
Acq: 2 Aug 2019 13:09

Tgt Ion:173 Resp: 1632
Ion Ratio Lower Upper
173 100
175 787.2 24.1 72.4#
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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057061.D

Acq: 2 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

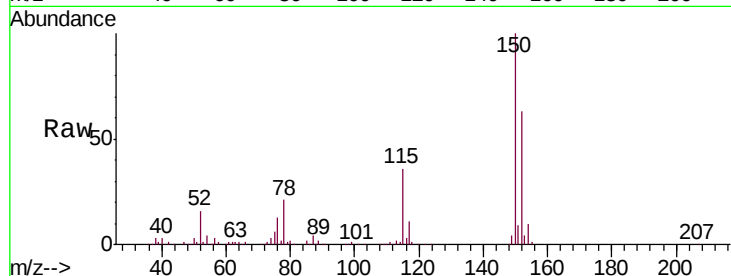
Tgt Ion:152 Resp: 167010

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.6

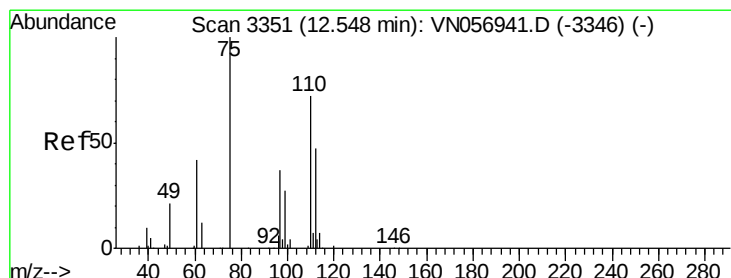
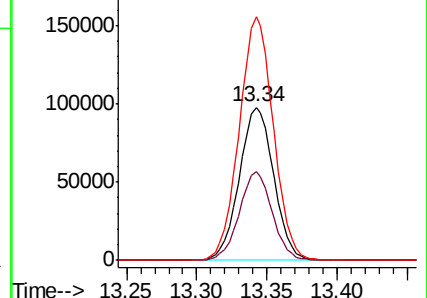
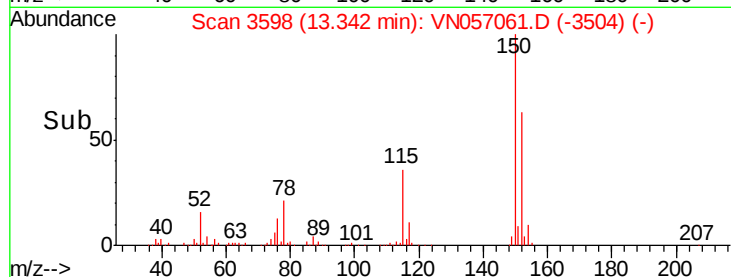
150 157.8 0.0 349.4



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: 31.422 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057061.D

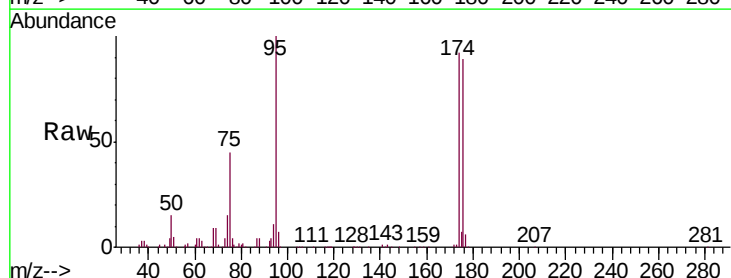
Acq: 2 Aug 2019 13:09

Tgt Ion: 75 Resp: 106574

Ion Ratio Lower Upper

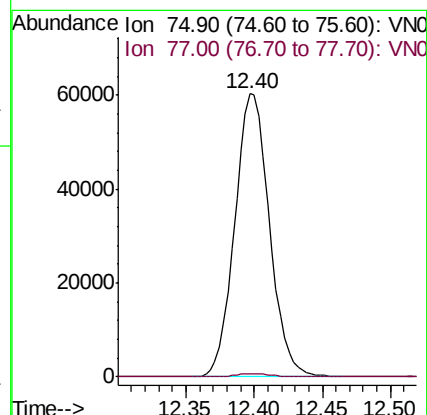
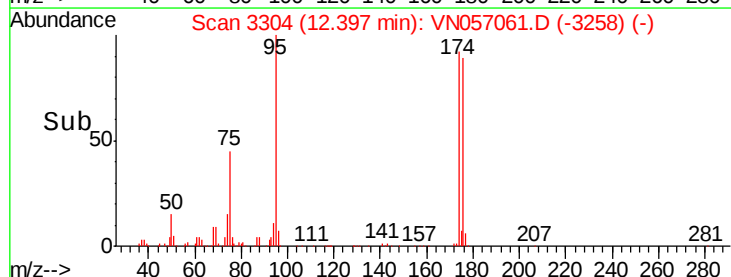
75 100

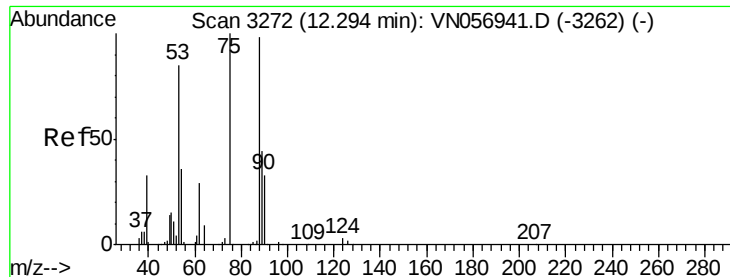
77 1.1 0.0 0.0#



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: 100.958 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057061.D

Acq: 2 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

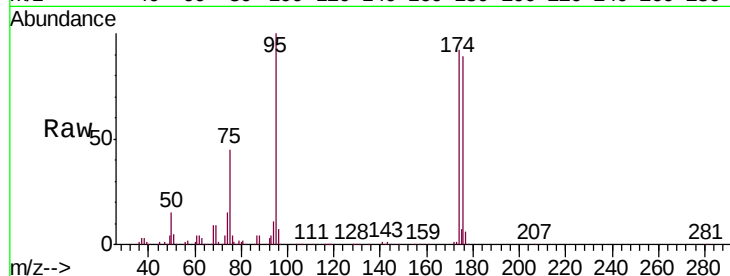
Tgt Ion: 75 Resp: 106574

Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

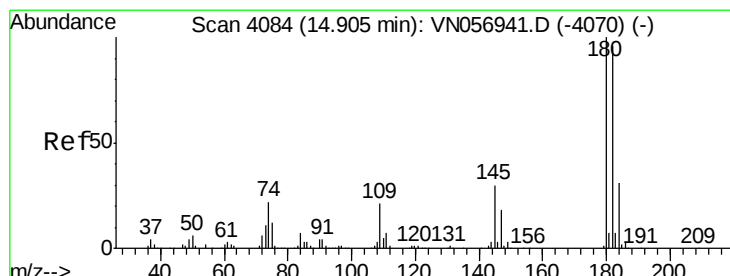
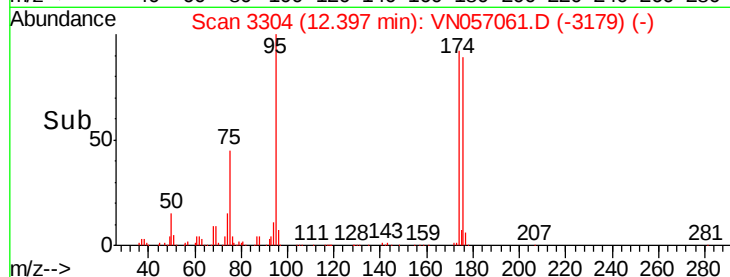
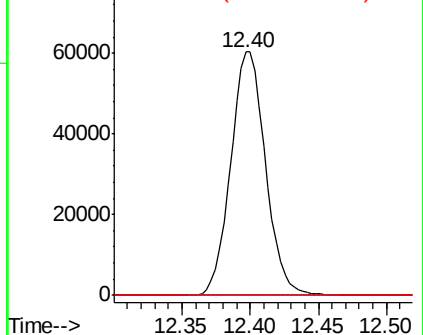
89 0.0 35.8 53.6#



Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-3262) (-)

Ion 53.00 (52.70 to 53.70): VN056941.D (-3262) (-)

Ion 88.90 (88.60 to 89.60): VN056941.D (-3262) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.903 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN057061.D

Acq: 2 Aug 2019 13:09

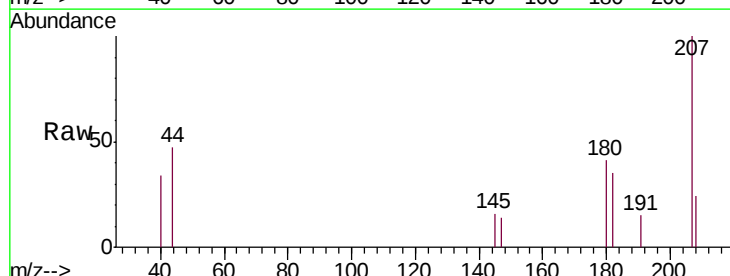
Tgt Ion: 180 Resp: 588

Ion Ratio Lower Upper

180 100

182 108.0 47.6 142.8

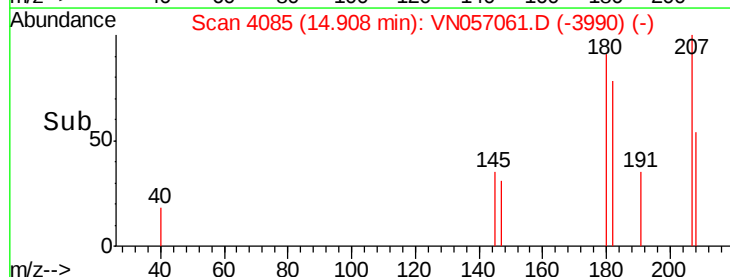
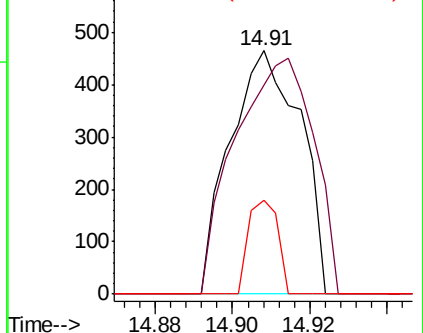
145 16.2 14.2 42.8

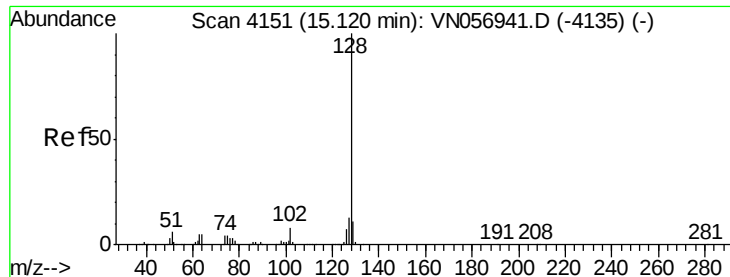


Abundance Ion 179.80 (179.50 to 180.50): VN056941.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN056941.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN056941.D (-4070) (-)





#95

Naphthalene

Concen: 3.793 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057061.D

Acq: 2 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

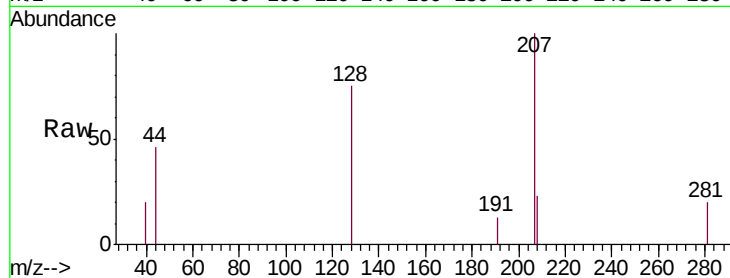
Tgt Ion:128 Resp: 1572

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

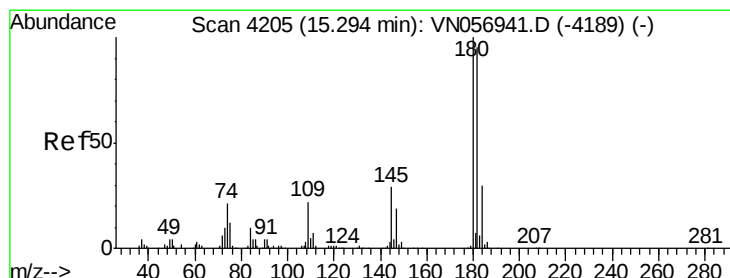
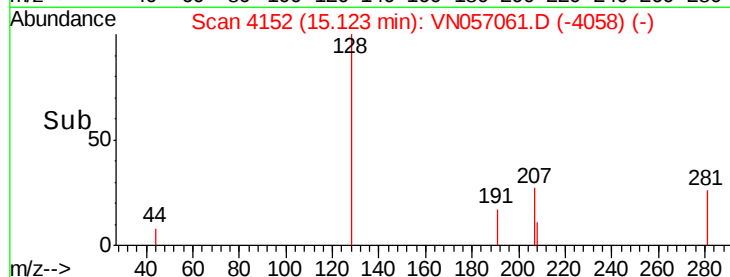
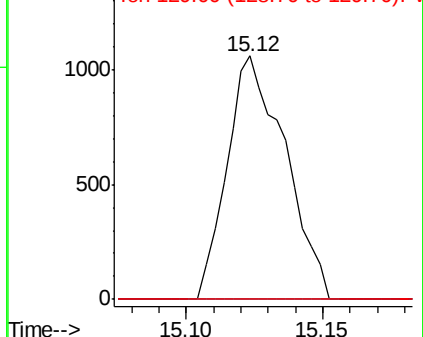
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.289 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.01 min

Lab File: VN057061.D

Acq: 2 Aug 2019 13:09

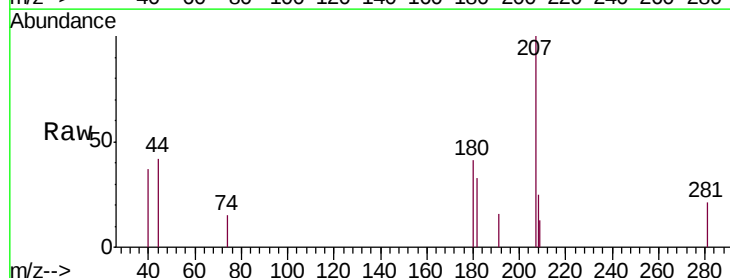
Tgt Ion:180 Resp: 734

Ion Ratio Lower Upper

180 100

182 89.8 48.0 144.2

145 0.0 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

