

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
 Data File : VN058407.D
 Acq On : 27 Sep 2019 15:02
 Operator : JC/SP
 Sample : K5087-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Sep 28 00:03:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	457595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	733865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	619070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	238534	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	314502	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
35) Dibromofluoromethane	7.57	113	221907	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	10.09	98	899454	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.41	95	284025	44.19	ug/l	0.00
Spiked Amount			Recovery	=	88.38%	

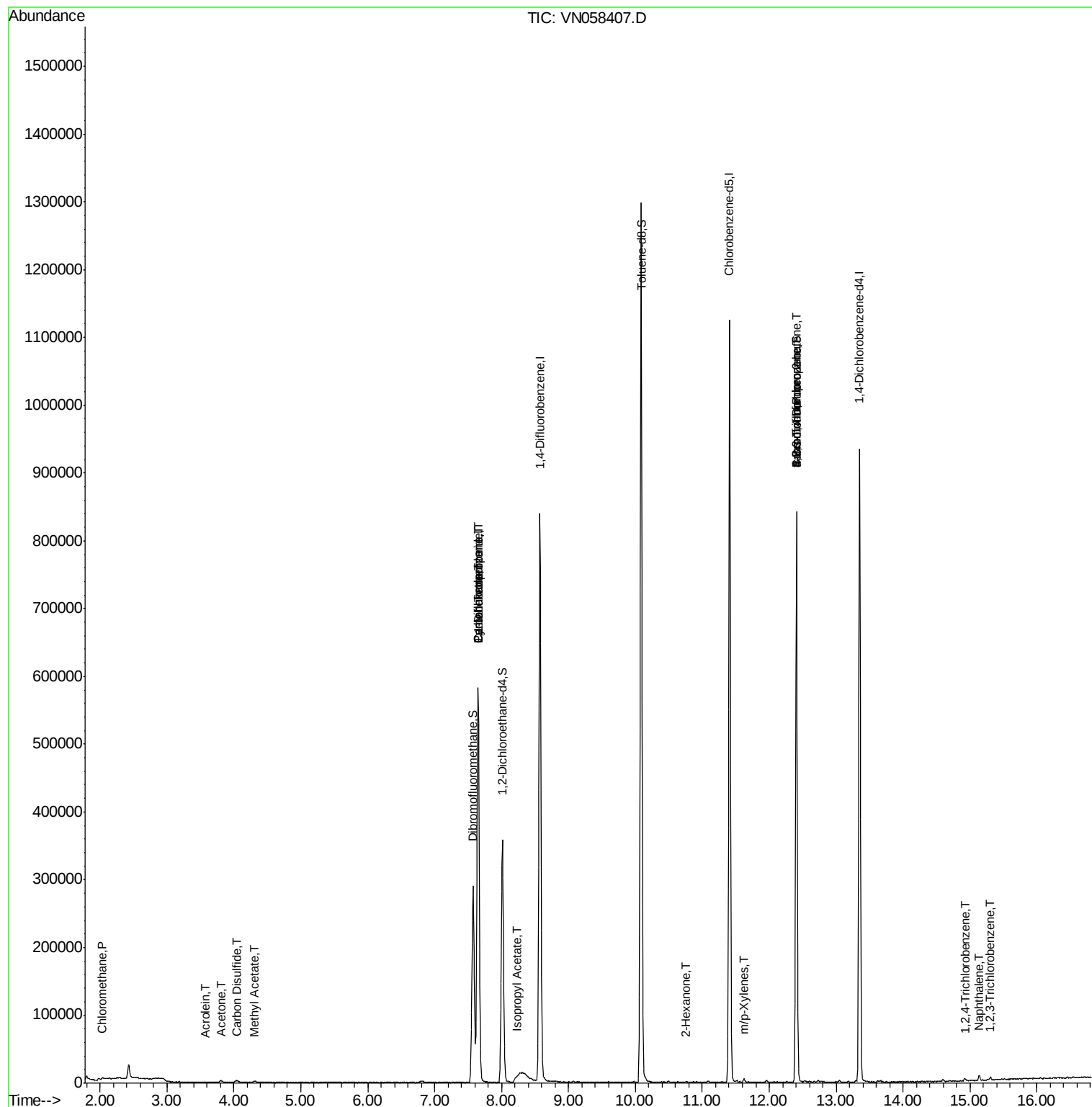
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1227	0.313	ug/l #	60
13) Acrolein	3.58	56	166	1.250	ug/l #	64
16) Acetone	3.80	43	4306	1.942	ug/l	90
17) Carbon Disulfide	4.03	76	2305	0.374	ug/l #	74
18) Methyl Acetate	4.31	43	2405	0.420	ug/l #	62
31) Cyclohexane	7.65	56	11367	1.661	ug/l #	14
36) 1,1-Dichloropropene	7.65	75	38009	6.702	ug/l #	52
38) Carbon Tetrachloride	7.65	117	46196	8.294	ug/l #	16
43) Isopropyl Acetate	8.22	43	6752	0.646	ug/l #	63
59) 2-Hexanone	10.75	43	907	0.223	ug/l	64
68) m/p-Xylenes	11.62	106	1598	0.219	ug/l	91
71) Bromoform	12.40	173	539	0.214	ug/l #	29
76) 1,2,3-Trichloropropane	12.41	75	153557	35.463	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	153557	115.293	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.92	180	1474	0.338	ug/l	88
95) Naphthalene	15.14	128	6558	0.581	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.31	180	1658	0.404	ug/l	87

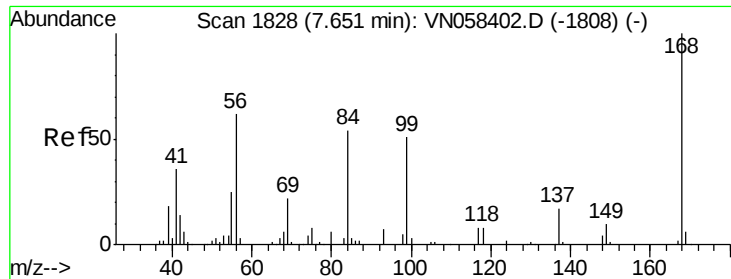
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058407.D

Acq: 27 Sep 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

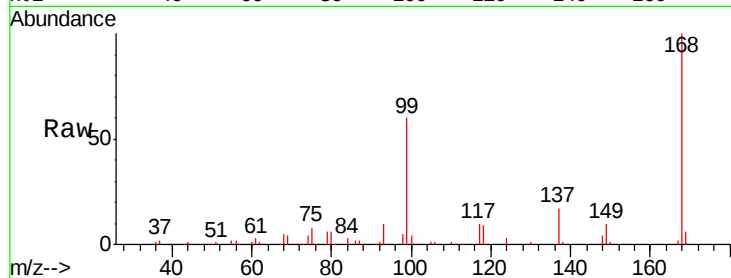
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 457595

Ion Ratio Lower Upper

168 100

99 60.2 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VN058407.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN058407.D (-1735) (-)

7.65

200000

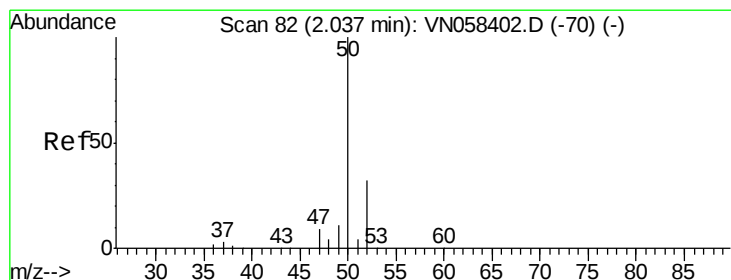
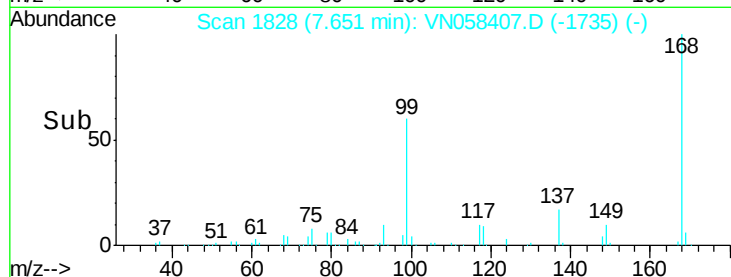
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.313 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058407.D

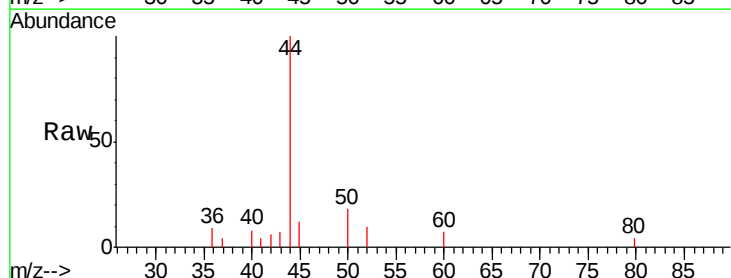
Acq: 27 Sep 2019 15:02

Tgt Ion: 50 Resp: 1227

Ion Ratio Lower Upper

50 100

52 54.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN058407.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN058407.D (-1) (-)

2.04

800

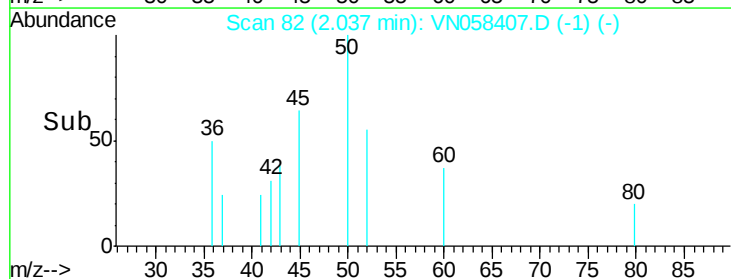
600

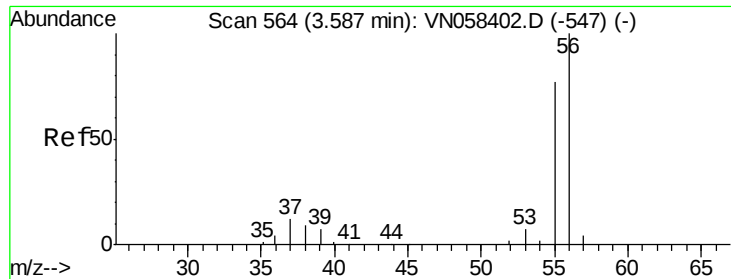
400

200

0

Time-->





#13

Acrolein

Concen: 1.250 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058407.D

Acq: 27 Sep 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

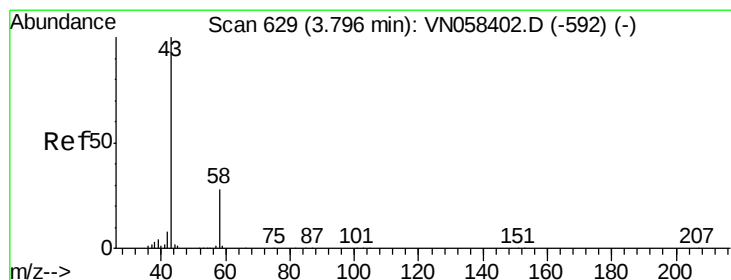
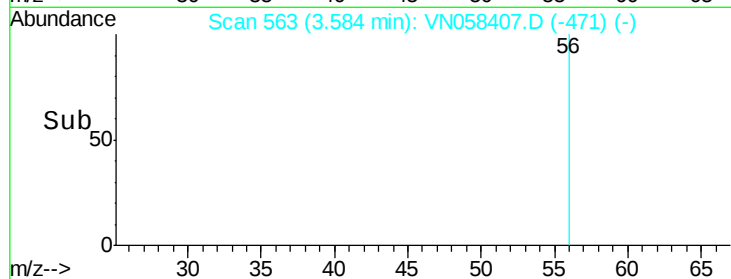
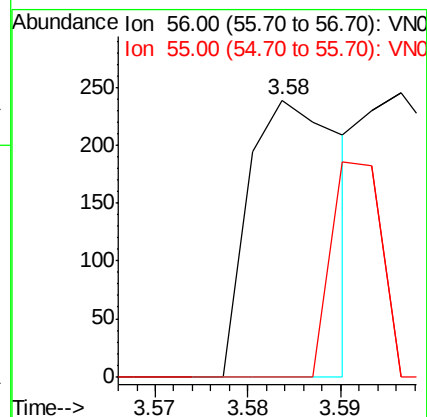
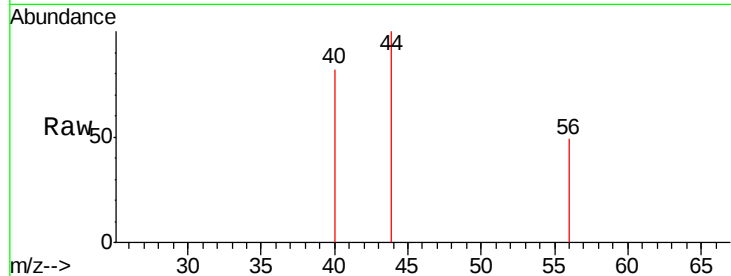
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 56 Resp: 166

Ion Ratio Lower Upper

56 100

55 42.8 58.3 87.5#



#16

Acetone

Concen: 1.942 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058407.D

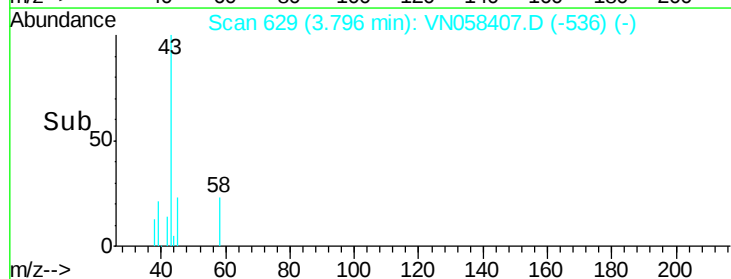
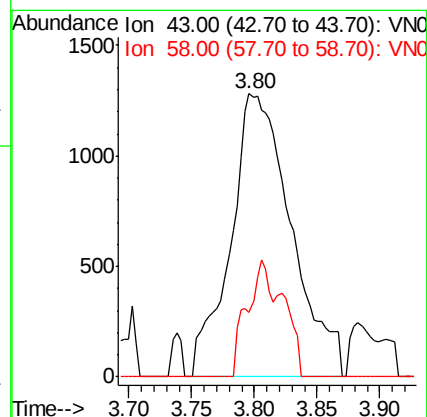
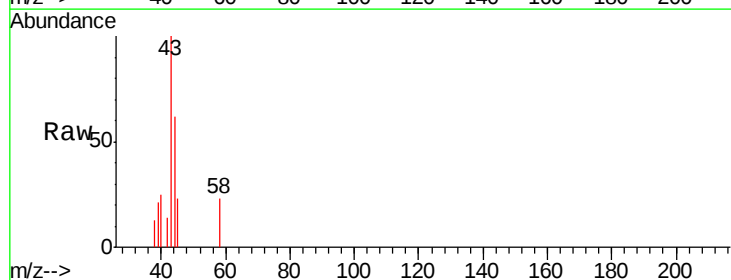
Acq: 27 Sep 2019 15:02

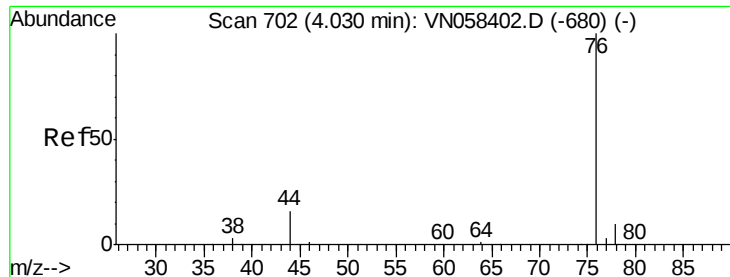
Tgt Ion: 43 Resp: 4306

Ion Ratio Lower Upper

43 100

58 23.0 22.4 33.6

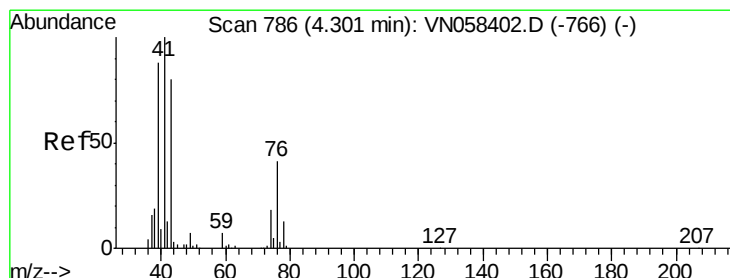
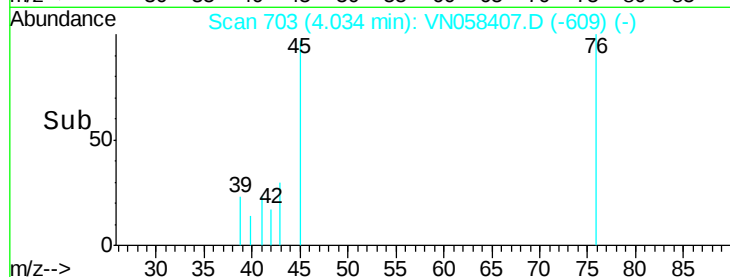
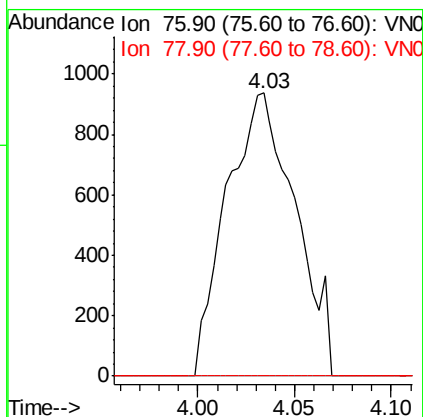
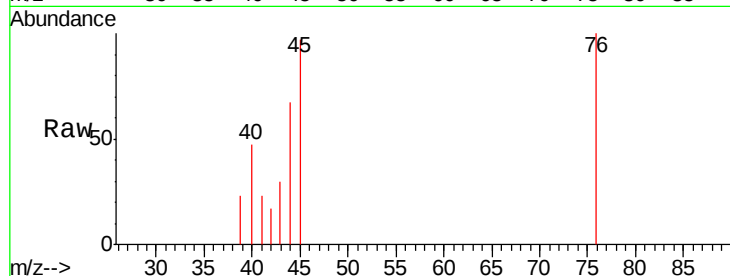




#17
Carbon Disulfide
Concen: 0.374 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058407.D
Acq: 27 Sep 2019 15:02

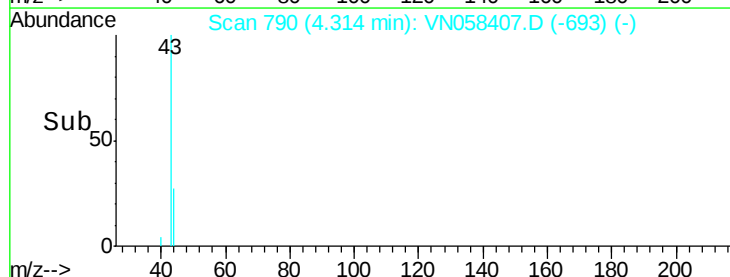
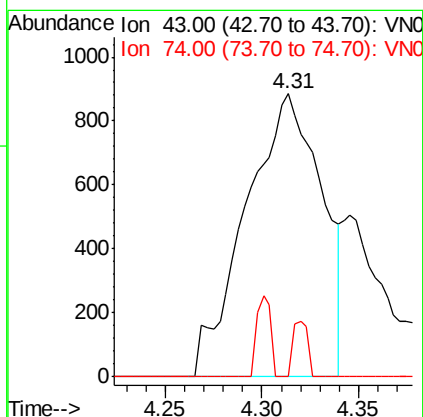
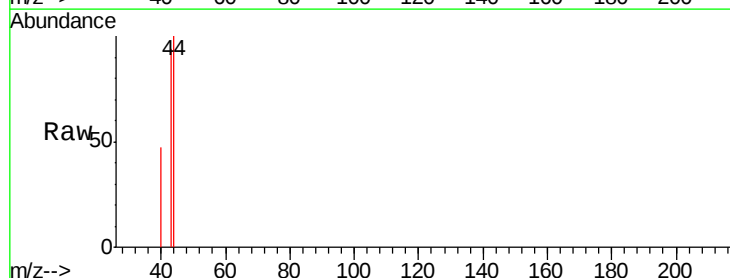
Instrument :
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STORAGE-BLANK-SOIL-REF-6

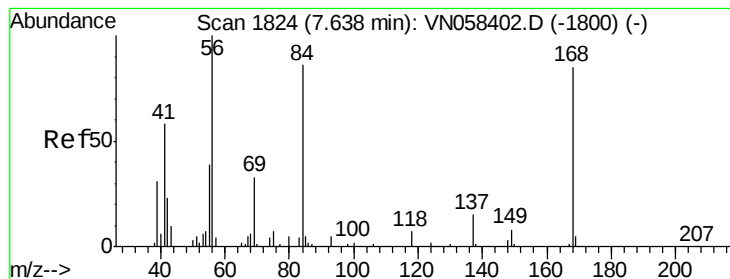
Tgt Ion: 76 Resp: 2305
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: 0.420 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN058407.D
Acq: 27 Sep 2019 15:02

Tgt Ion: 43 Resp: 2405
Ion Ratio Lower Upper
43 100
74 4.0 18.0 27.0#





#31

Cyclohexane

Concen: 1.661 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058407.D

Acq: 27 Sep 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

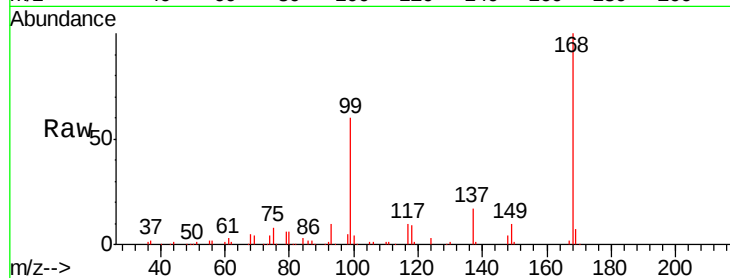
Tgt Ion: 56 Resp: 11367

Ion Ratio Lower Upper

56 100

69 158.3 26.2 39.4#

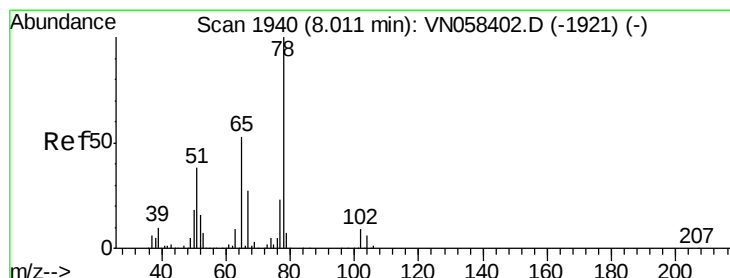
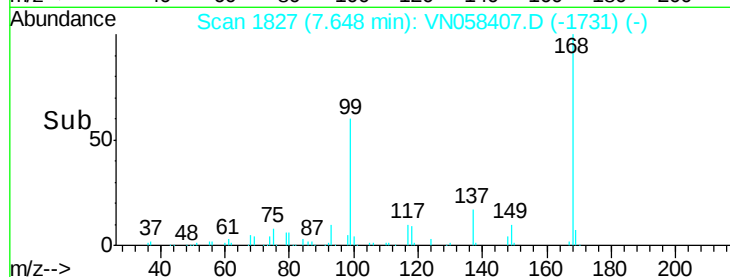
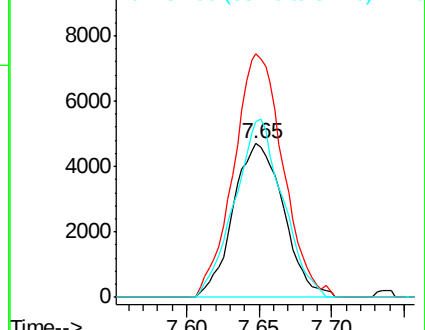
84 114.4 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.844 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058407.D

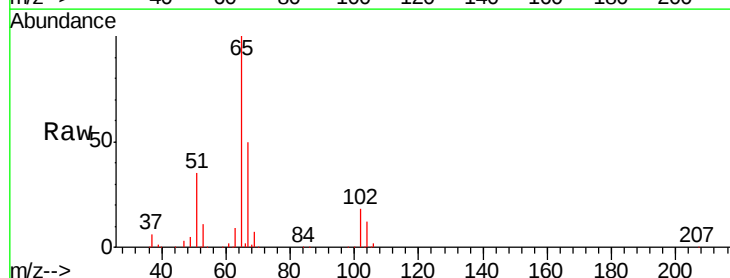
Acq: 27 Sep 2019 15:02

Tgt Ion: 65 Resp: 314502

Ion Ratio Lower Upper

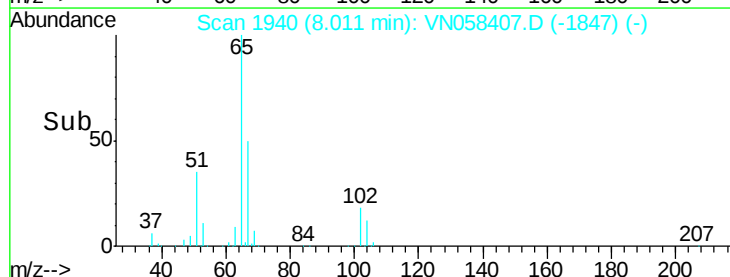
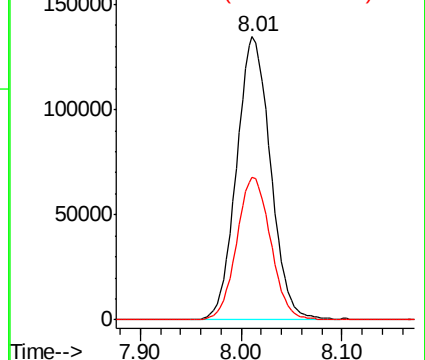
65 100

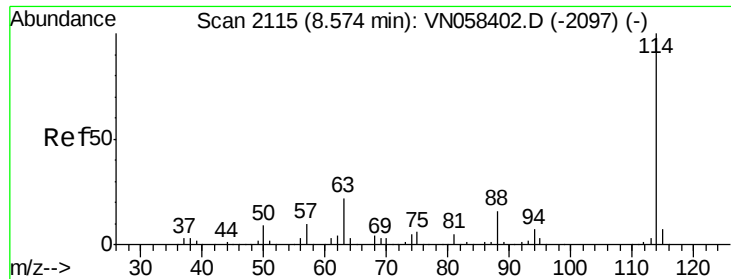
67 50.5 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

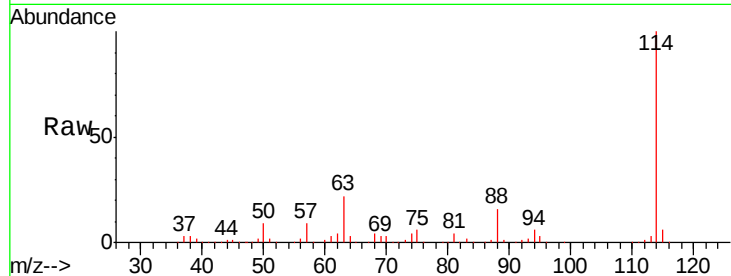




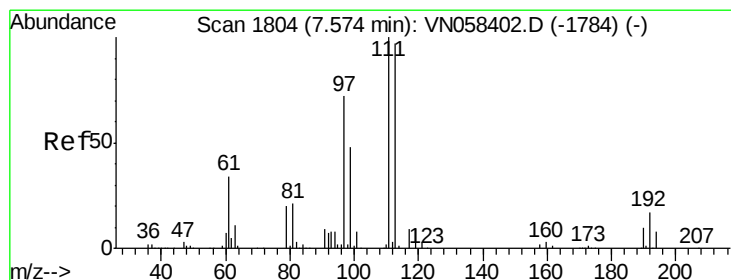
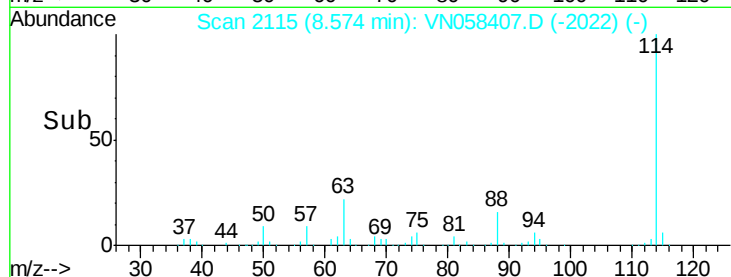
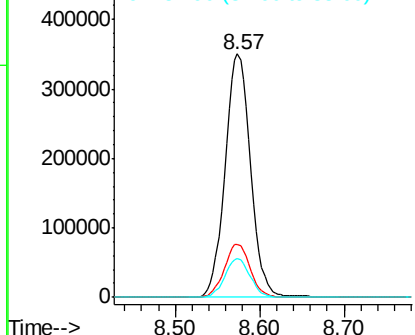
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058407.D
 Acq: 27 Sep 2019 15:02

Instrument :
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Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	45.0
88	16.1	0.0	32.2

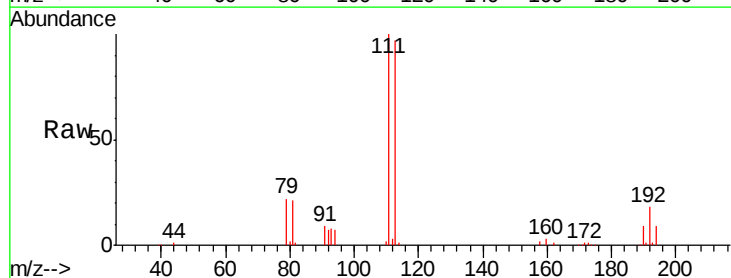


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

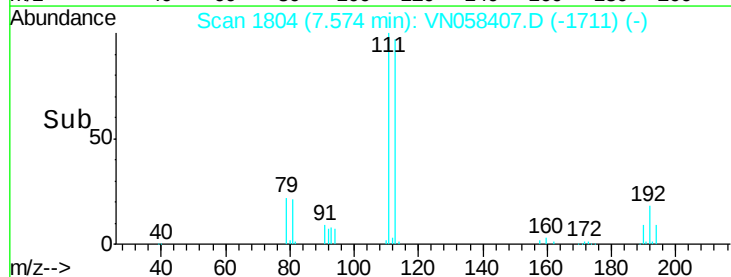
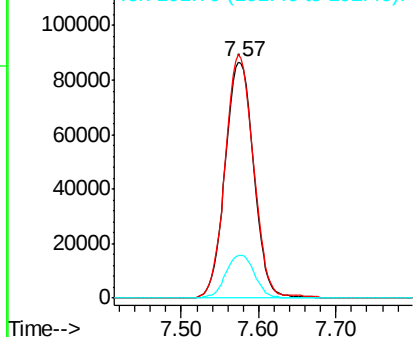


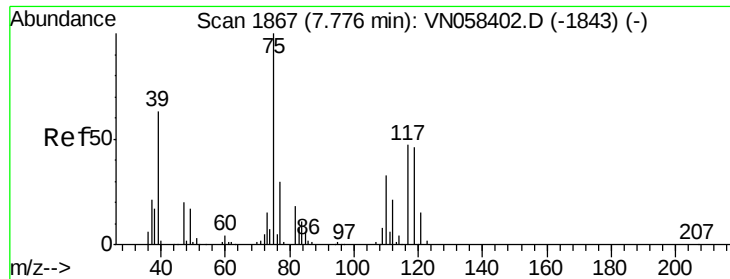
#35
 Dibromofluoromethane
 Concen: 49.691 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058407.D
 Acq: 27 Sep 2019 15:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	83.4	125.2
192	18.2	14.9	22.3



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

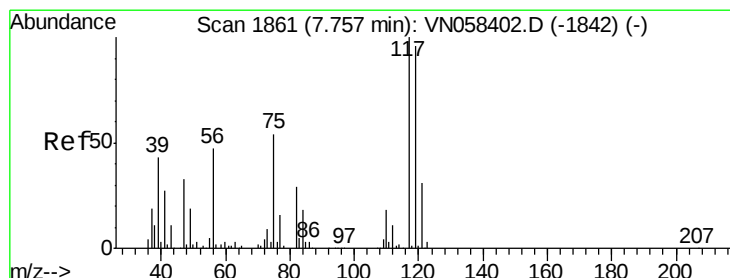
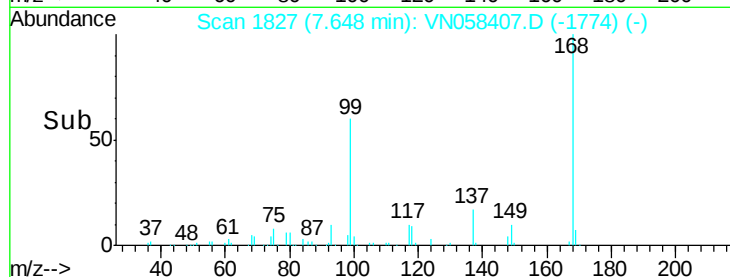
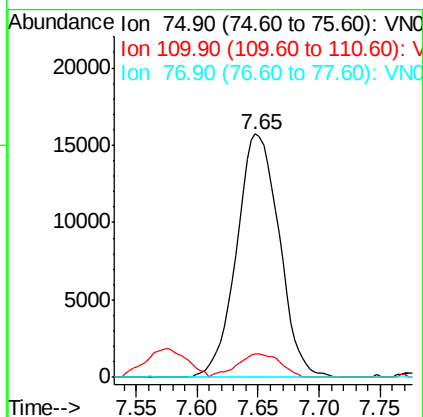
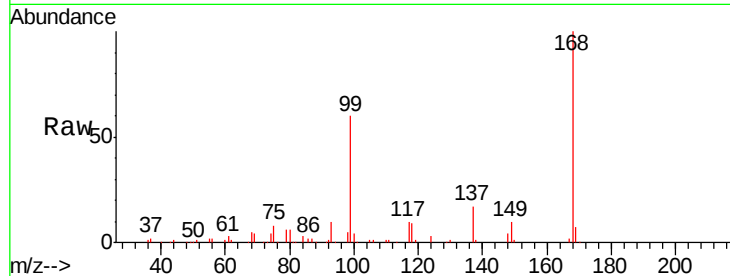




#36
 1,1-Dichloropropene
 Concen: 6.702 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058407.D
 Acq: 27 Sep 2019 15:02

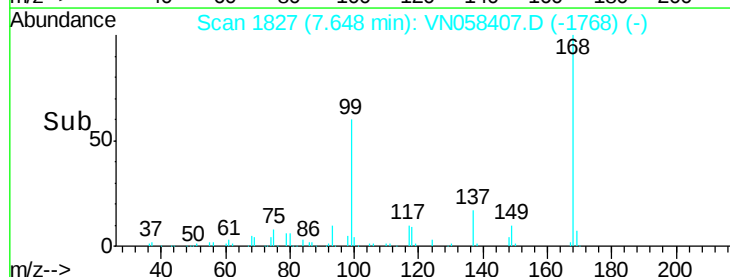
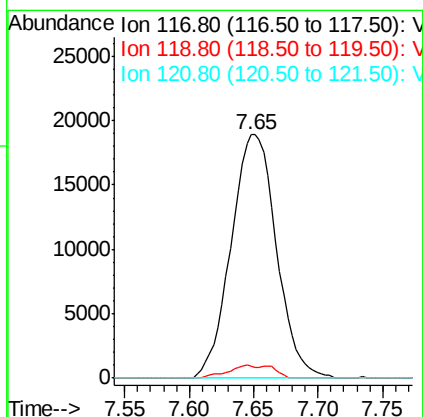
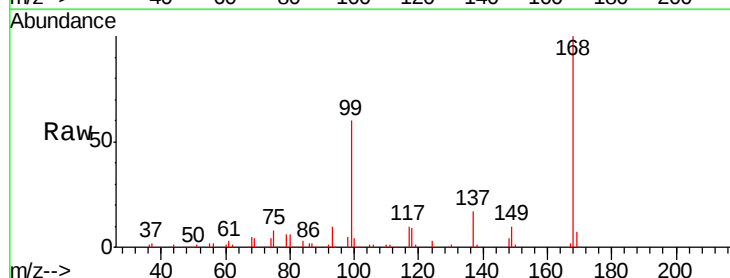
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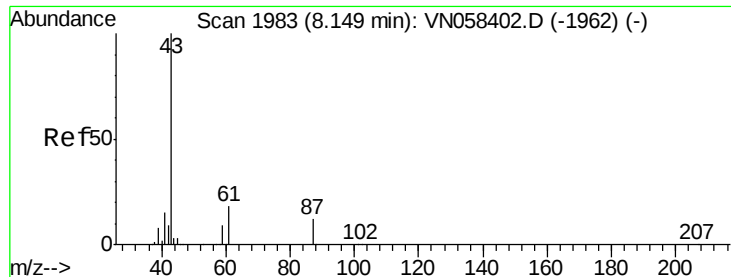
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	16.4	49.2#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 8.294 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058407.D
 Acq: 27 Sep 2019 15:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.6	115.0#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.646 ug/l

RT: 8.22 min Scan# 2006

Delta R.T. 0.07 min

Lab File: VN058407.D

Acq: 27 Sep 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

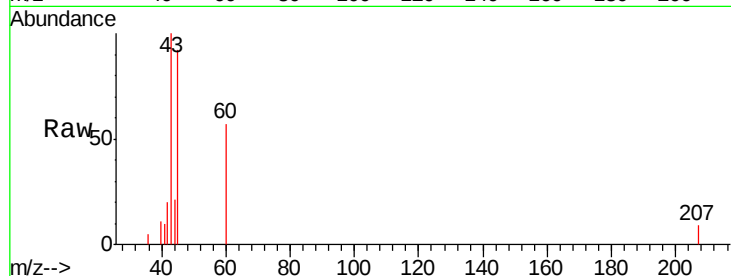
Tgt Ion: 43 Resp: 6752

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

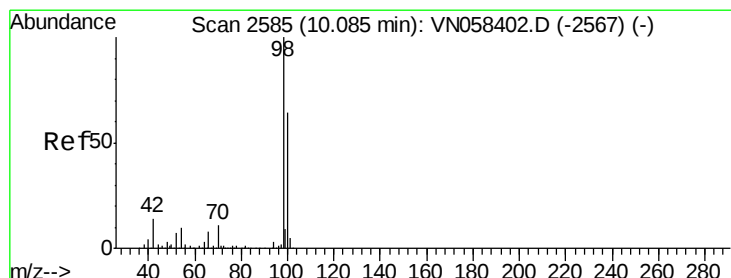
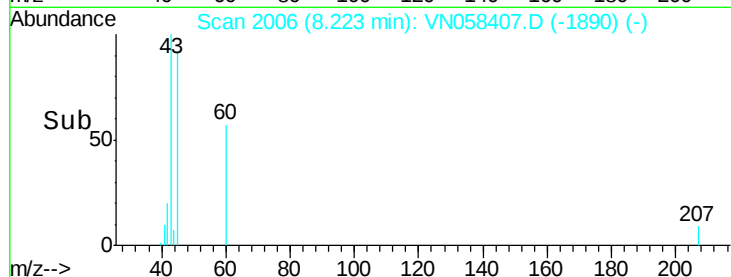
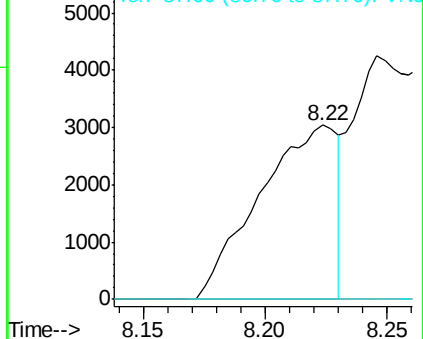
87 0.0 9.7 14.5#



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: 51.829 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058407.D

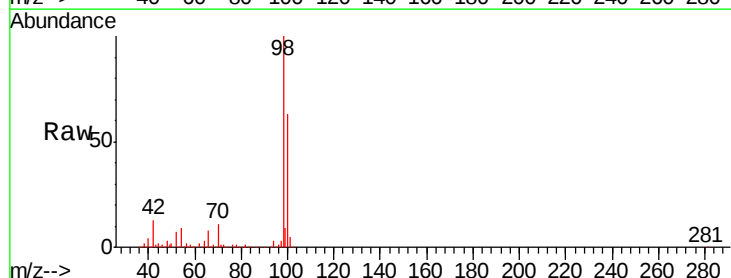
Acq: 27 Sep 2019 15:02

Tgt Ion: 98 Resp: 899454

Ion Ratio Lower Upper

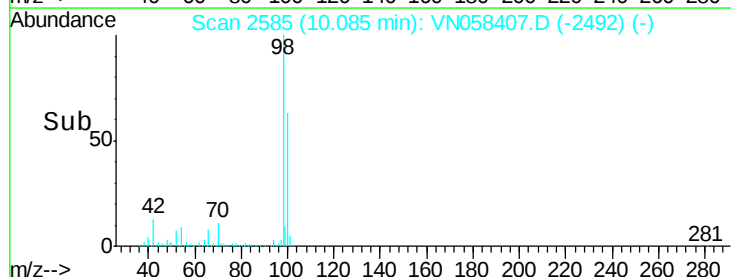
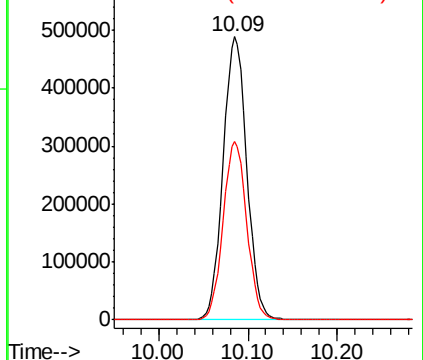
98 100

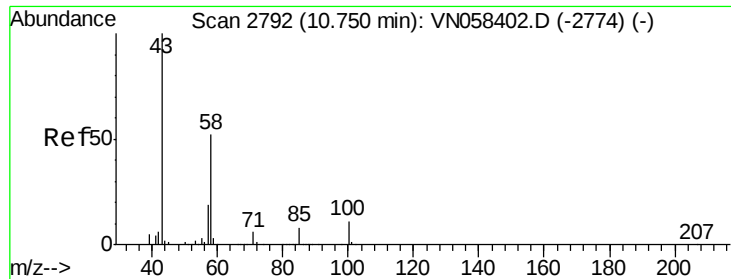
100 63.0 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

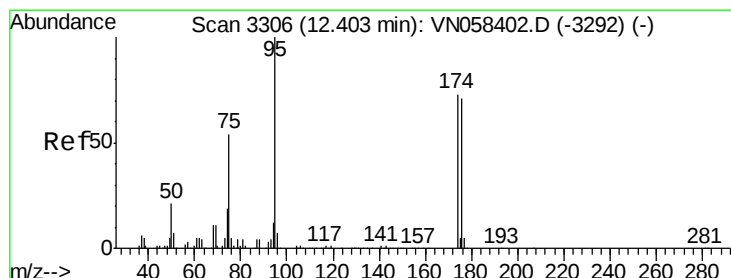
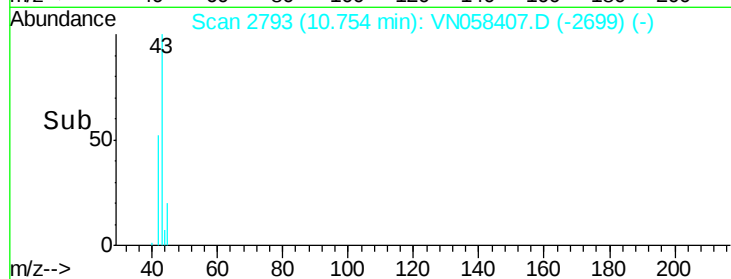
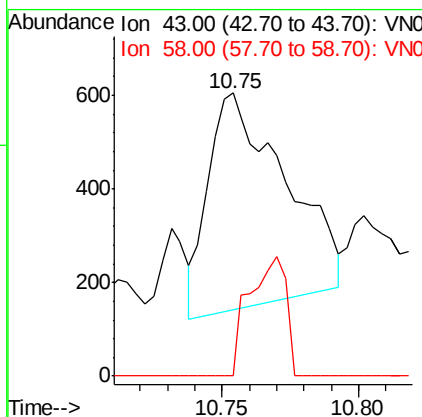
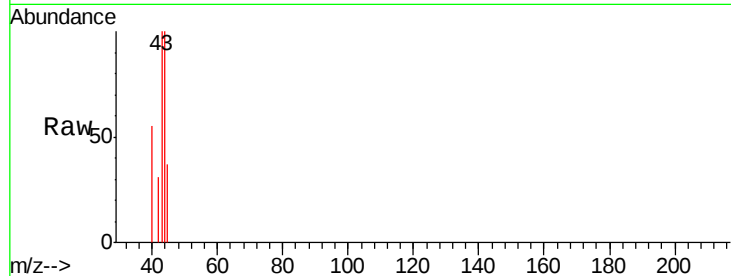




#59
2-Hexanone
Concen: 0.223 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN058407.D
Acq: 27 Sep 2019 15:02

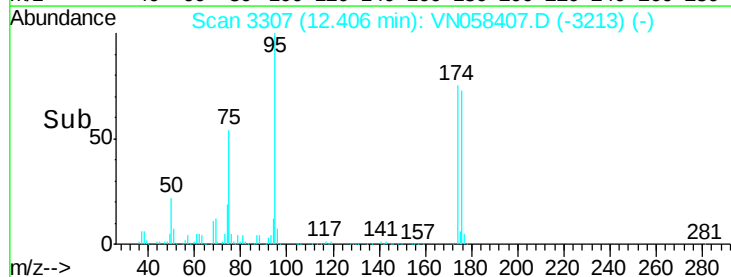
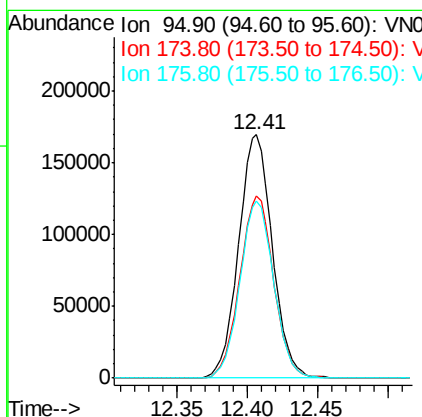
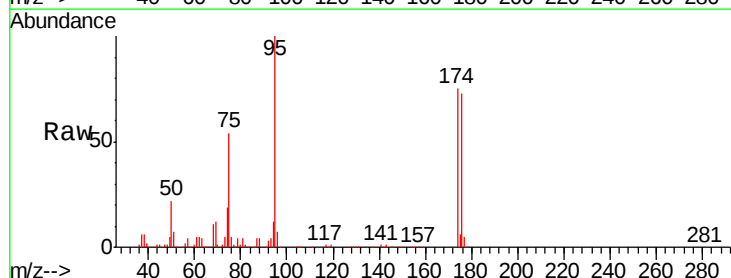
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

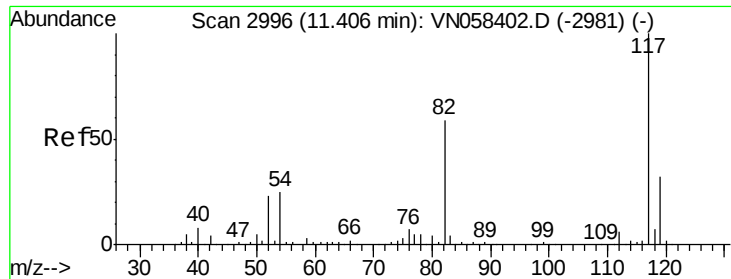
Tgt Ion: 43 Resp: 907
Ion Ratio Lower Upper
43 100
58 26.1 25.8 77.3



#62
4-Bromofluorobenzene
Concen: 44.187 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058407.D
Acq: 27 Sep 2019 15:02

Tgt Ion: 95 Resp: 284025
Ion Ratio Lower Upper
95 100
174 75.5 0.0 150.6
176 72.9 0.0 146.2

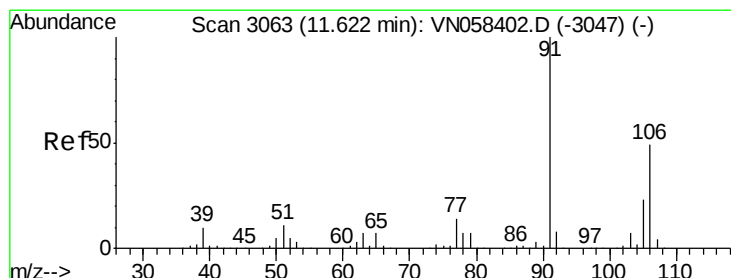
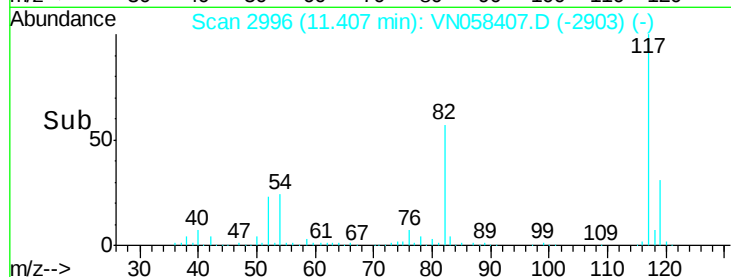
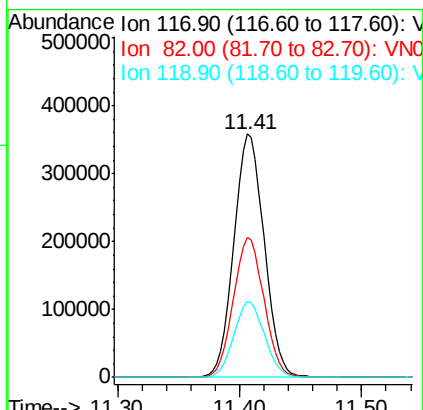
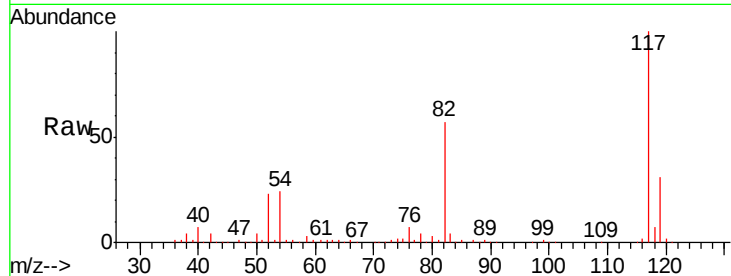




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058407.D
Acq: 27 Sep 2019 15:02

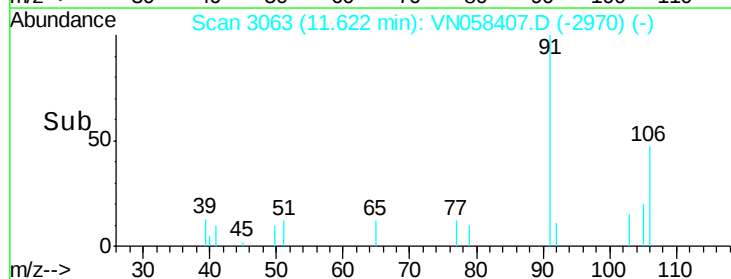
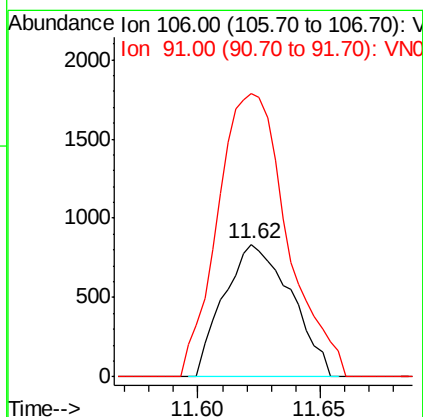
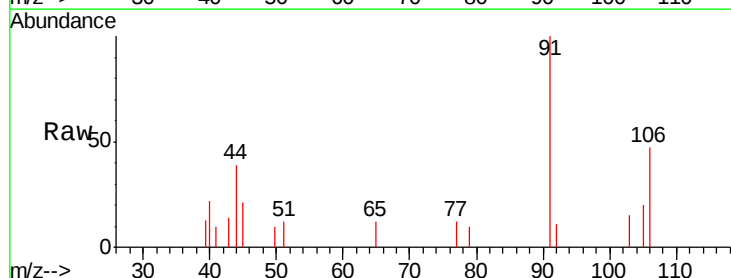
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

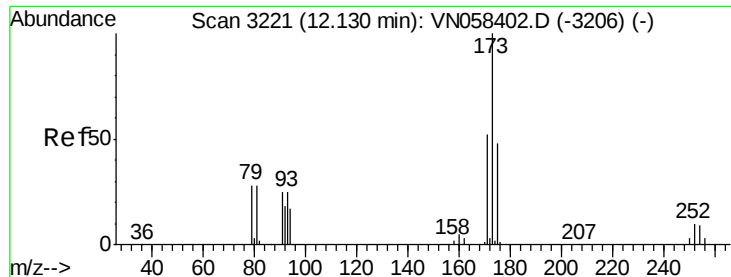
Tgt Ion:117 Resp: 619070
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.0
119 31.1 25.5 38.3



#68
m/p-Xylenes
Concen: 0.219 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058407.D
Acq: 27 Sep 2019 15:02

Tgt Ion:106 Resp: 1598
Ion Ratio Lower Upper
106 100
91 220.8 165.0 247.4





#71

Bromoform

Concen: 0.214 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN058407.D

Acq: 27 Sep 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

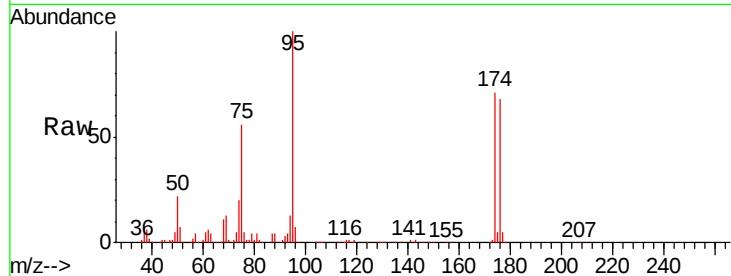
Tgt Ion:173 Resp: 539

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

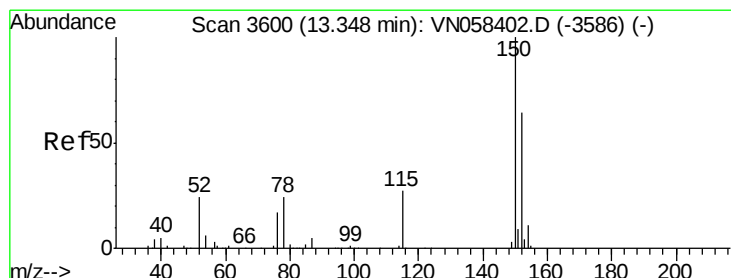
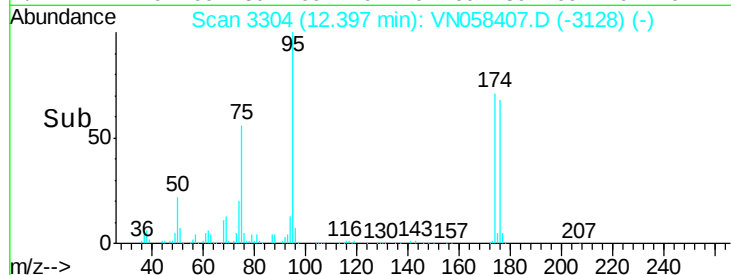
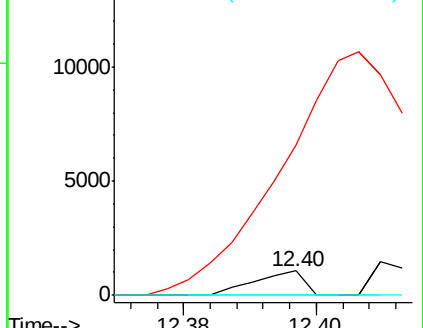
254 0.0 0.1 0.1#



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# 3601

Delta R.T. 0.00 min

Lab File: VN058407.D

Acq: 27 Sep 2019 15:02

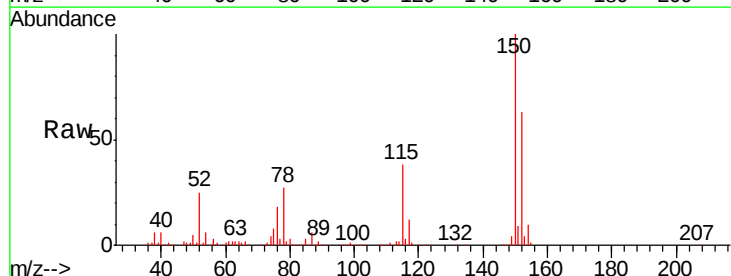
Tgt Ion:152 Resp: 238534

Ion Ratio Lower Upper

152 100

115 60.3 30.0 90.0

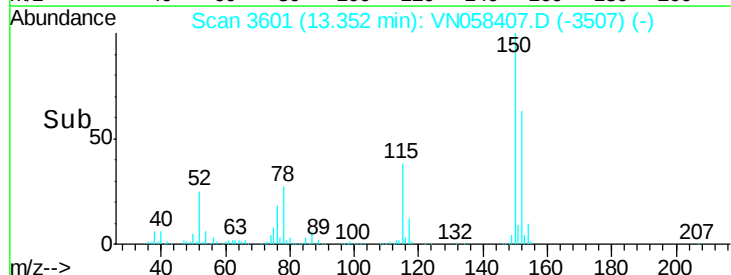
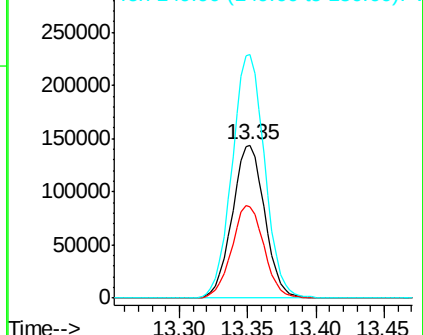
150 159.6 0.0 348.2

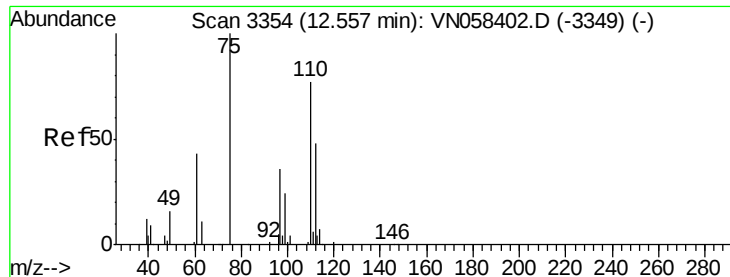


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.463 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058407.D

Acq: 27 Sep 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

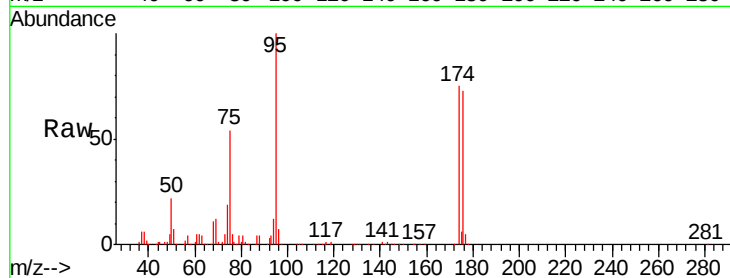
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 153557

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.41

100000

80000

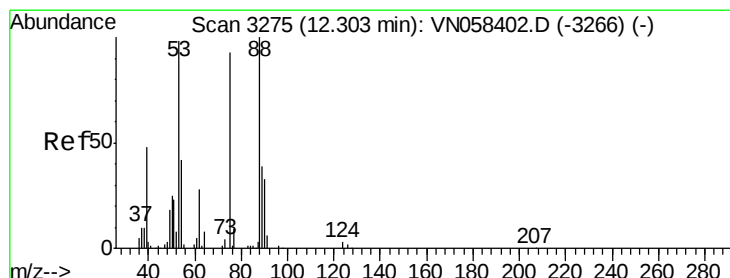
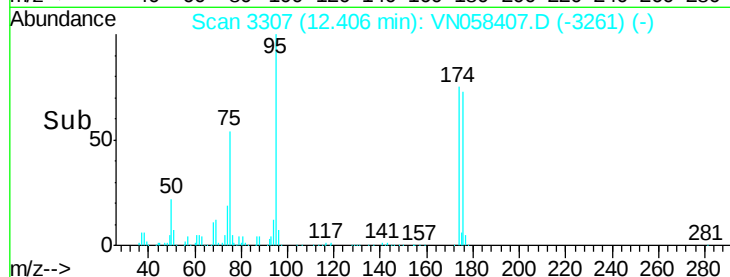
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 115.293 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058407.D

Acq: 27 Sep 2019 15:02

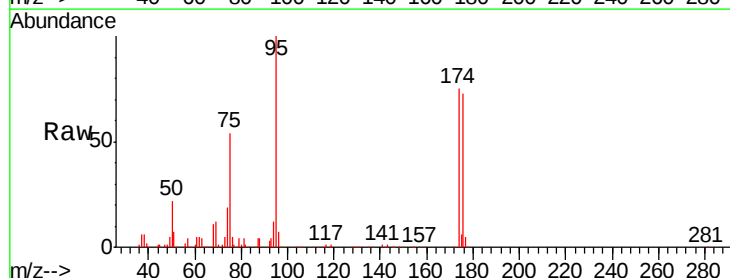
Tgt Ion: 75 Resp: 153557

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.0 35.0 52.4#



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

12.41

120000

100000

80000

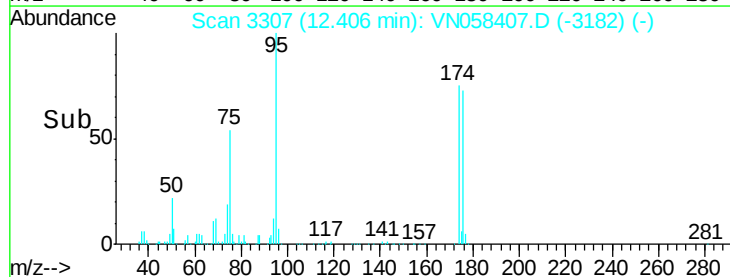
60000

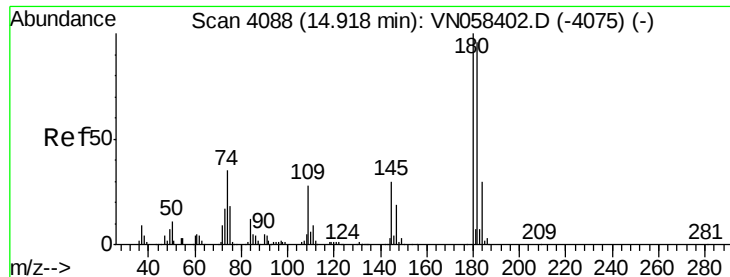
40000

20000

0

Time--> 12.30 12.40 12.50

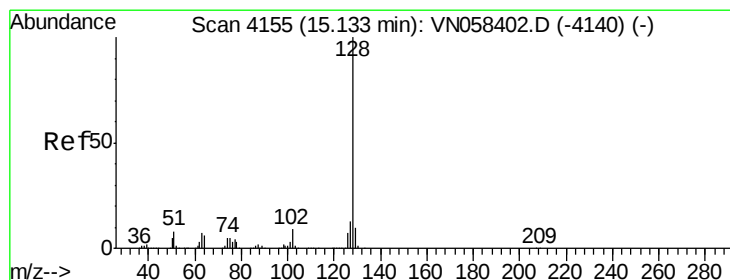
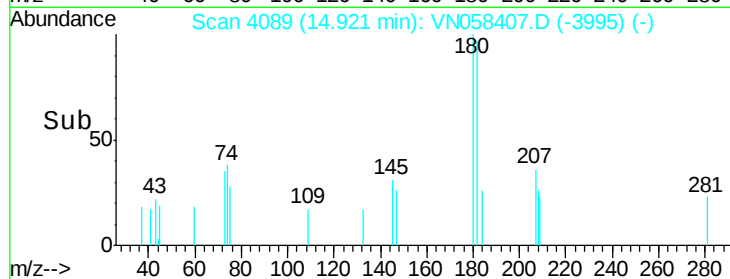
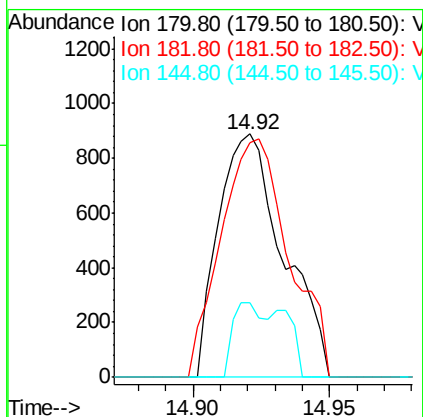
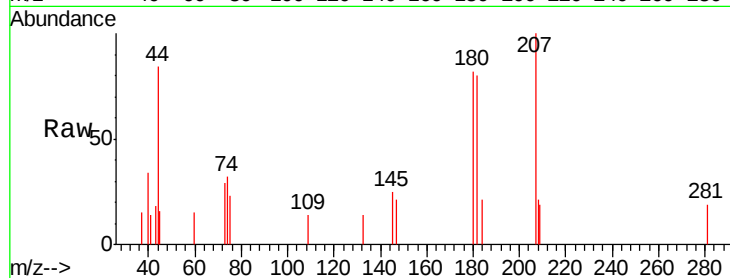




#93
 1,2,4-Trichlorobenzene
 Concen: 0.338 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058407.D
 Acq: 27 Sep 2019 15:02

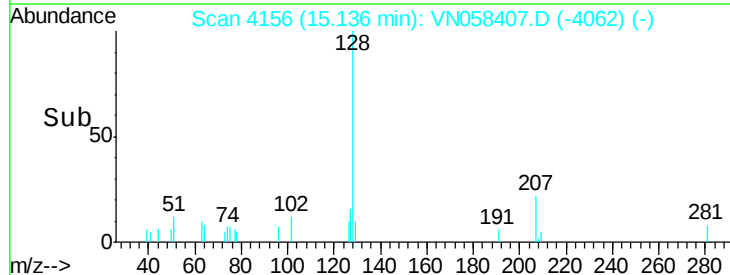
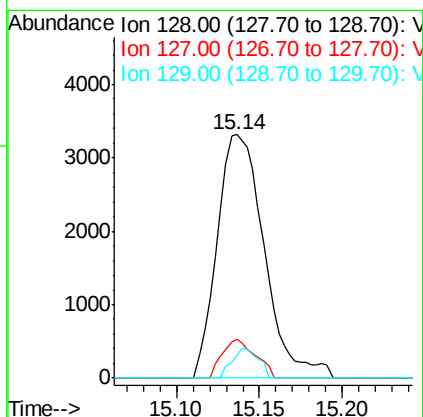
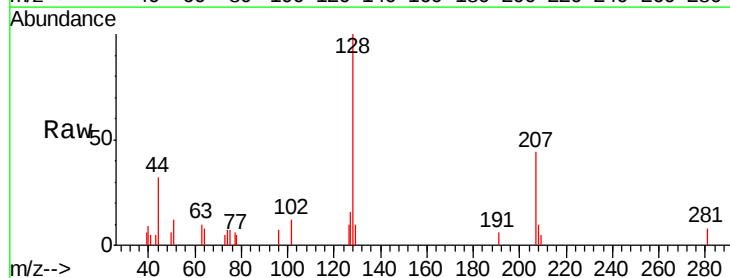
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

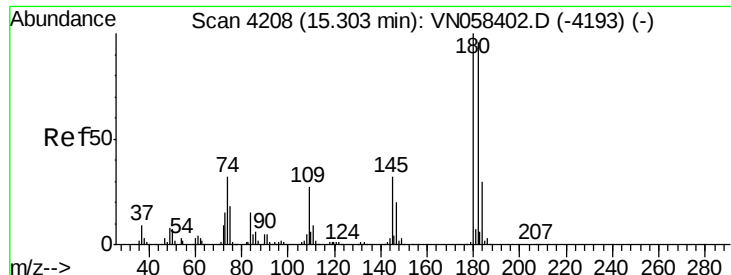
Tgt Ion:180 Resp: 1474
 Ion Ratio Lower Upper
 180 100
 182 102.1 47.4 142.3
 145 15.5 15.3 45.9



#95
 Naphthalene
 Concen: 0.581 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN058407.D
 Acq: 27 Sep 2019 15:02

Tgt Ion:128 Resp: 6558
 Ion Ratio Lower Upper
 128 100
 127 11.0 10.2 15.4
 129 6.8 8.3 12.5#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.404 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.01 min
 Lab File: VN058407.D
 Acq: 27 Sep 2019 15:02

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

Tgt Ion	Ratio	Lower	Upper
180	100		
182	82.3	48.3	144.9
145	27.4	16.1	48.3

