

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055796.D
 Acq On : 24 May 2019 15:17
 Operator : JC/SP
 Sample : K3042-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: May 25 04:27:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	424766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	603548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	551286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	199296	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	195939	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	
35) Dibromofluoromethane	7.59	113	182343	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	10.09	98	715983	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.40	95	234752	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	

Target Compounds

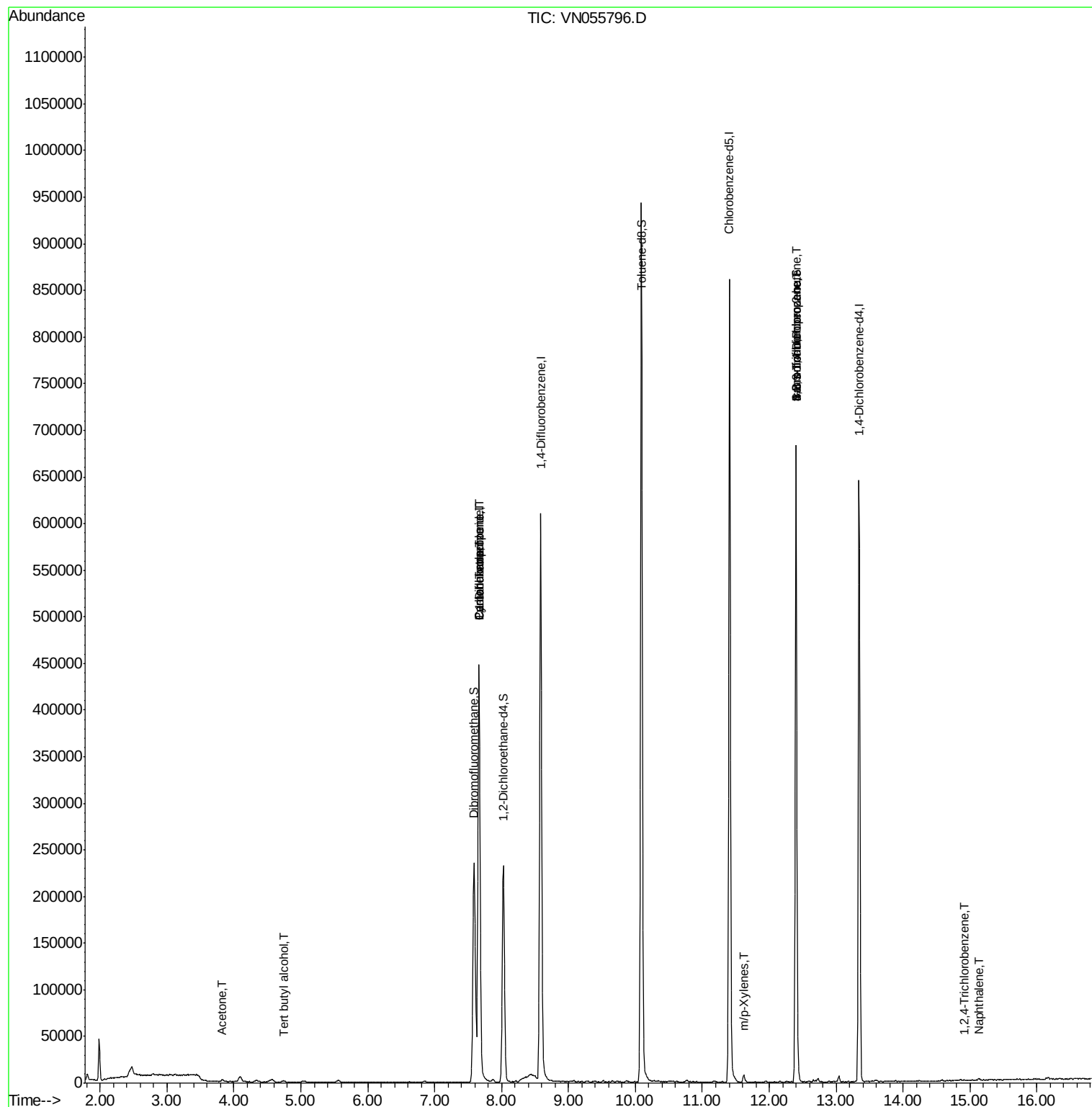
						Qvalue
11) Tert butyl alcohol	4.74	59	1085	1.295	ug/l #	74
16) Acetone	3.82	43	4207	2.182	ug/l	92
18) Methyl Acetate	4.33	43	4405	Below Cal	#	53
31) Cyclohexane	7.66	56	6795	1.032	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	24526	4.663	ug/l #	48
38) Carbon Tetrachloride	7.66	117	34187	6.240	ug/l #	14
68) m/p-Xylenes	11.62	106	2829	0.378	ug/l	91
71) Bromoform	12.40	173	1585	0.422	ug/l #	1
73) Isopropylbenzene	12.25	105	719	Below Cal	#	56
74) N-amyl acetate	12.07	43	325	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	107681	30.127	ug/l #	100
79) 2-Chlorotoluene	12.66	91	444	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	1564	Below Cal		97
81) trans-1,4-Dichloro-2-buten	12.40	75	107681	72.697	ug/l #	15
83) tert-Butylbenzene	12.99	119	205	Below Cal	#	28
84) 1,2,4-Trimethylbenzene	13.04	105	4944	Below Cal		100
85) sec-Butylbenzene	13.17	105	520	Below Cal	#	55
93) 1,2,4-Trichlorobenzene	14.91	180	329	3.716	ug/l #	85
95) Naphthalene	15.14	128	2083	0.226	ug/l #	76

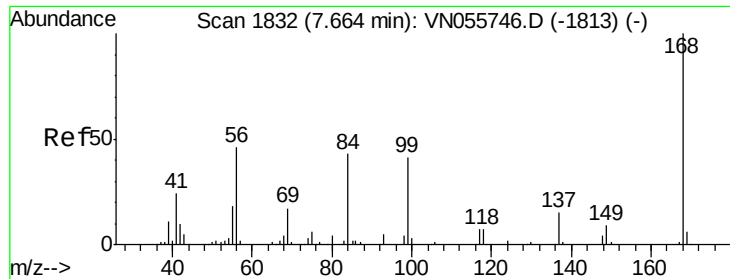
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055796.D

Acq: 24 May 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

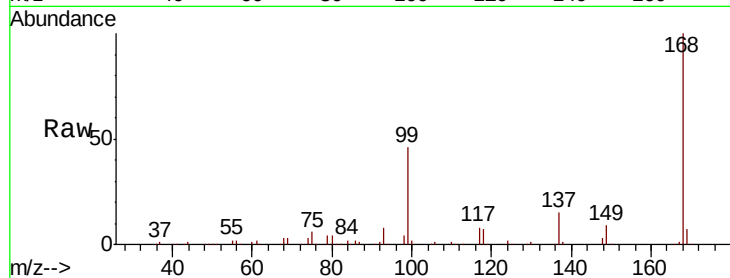
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 424766

Ion Ratio Lower Upper

168 100

99 45.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055746.D (-1813) (-)

7.66

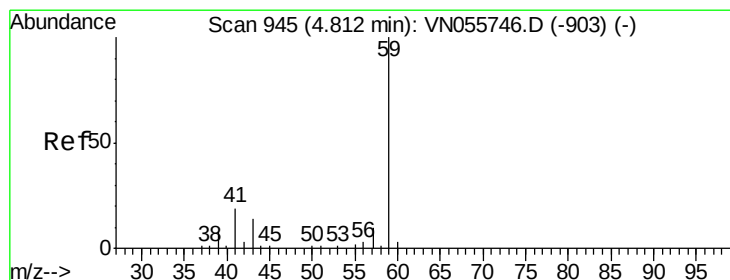
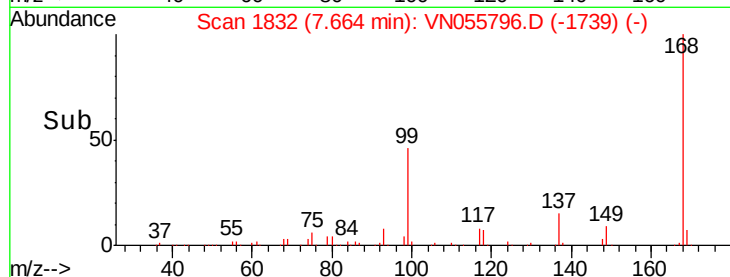
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.295 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.07 min

Lab File: VN055796.D

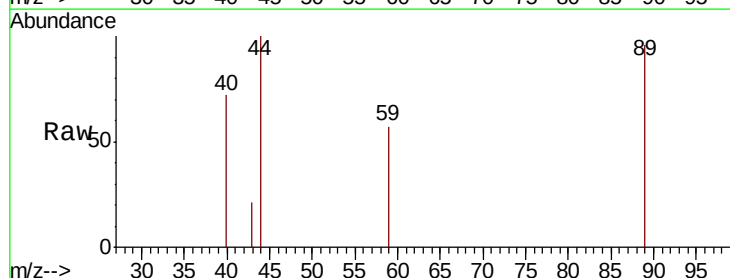
Acq: 24 May 2019 15:17

Tgt Ion: 59 Resp: 1085

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055746.D (-903) (-)

Ion 57.00 (56.70 to 57.70): VN055746.D (-903) (-)

4.74

500

400

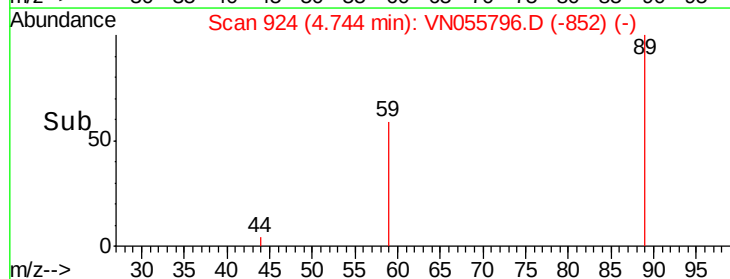
300

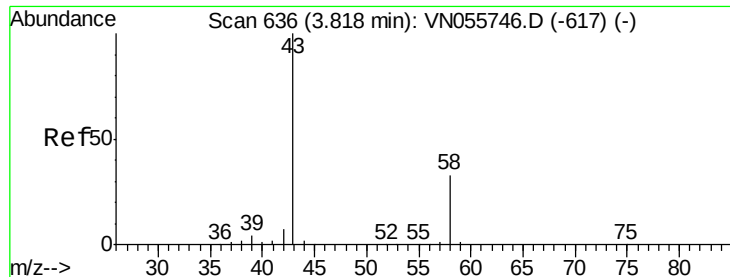
200

100

0

Time-->





#16

Acetone

Concen: 2.182 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055796.D

Acq: 24 May 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

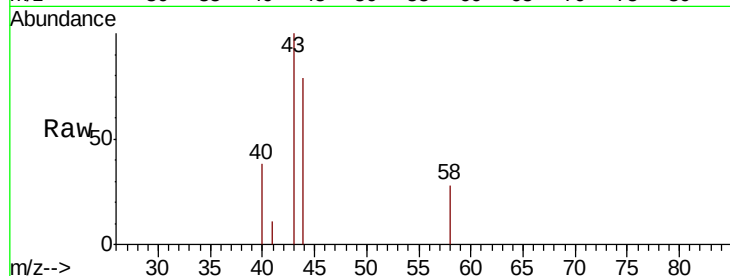
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 4207

Ion Ratio Lower Upper

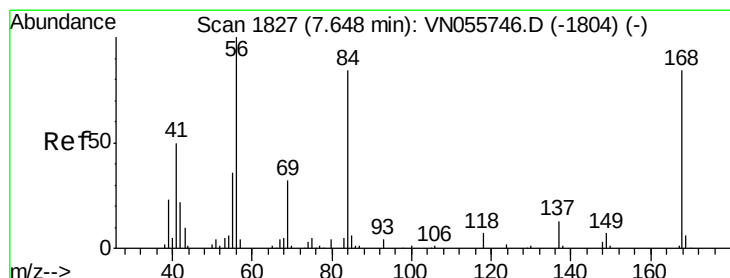
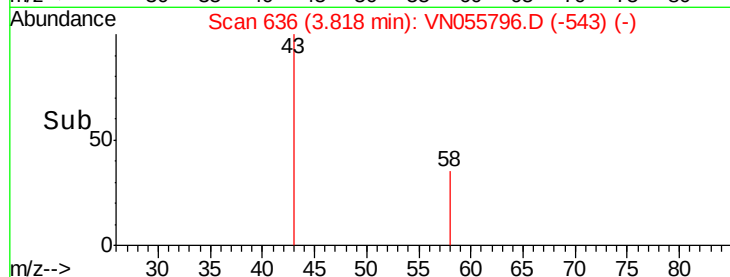
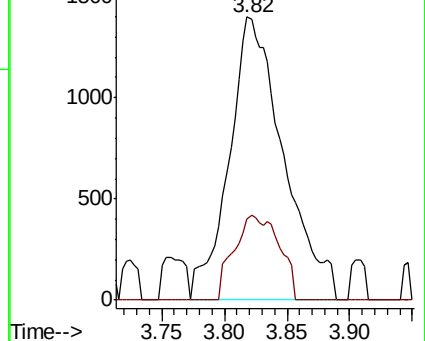
43 100

58 28.5 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#31

Cyclohexane

Concen: 1.032 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN055796.D

Acq: 24 May 2019 15:17

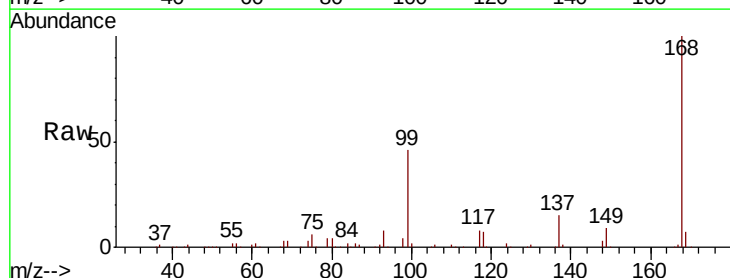
Tgt Ion: 56 Resp: 6795

Ion Ratio Lower Upper

56 100

69 179.0 25.6 38.4#

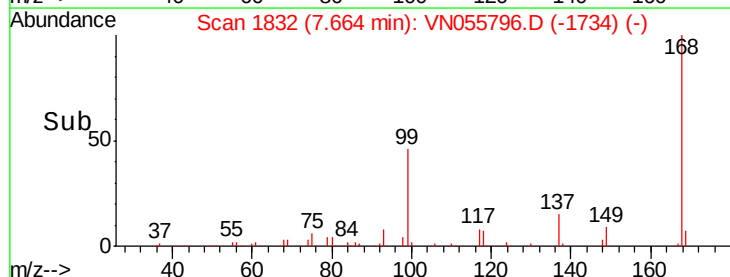
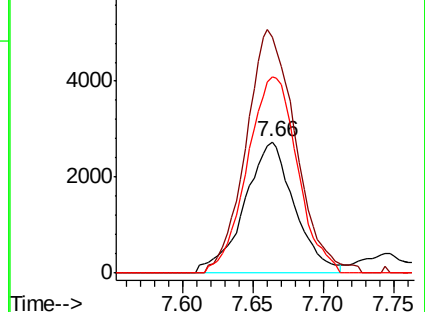
84 155.7 67.4 101.0#

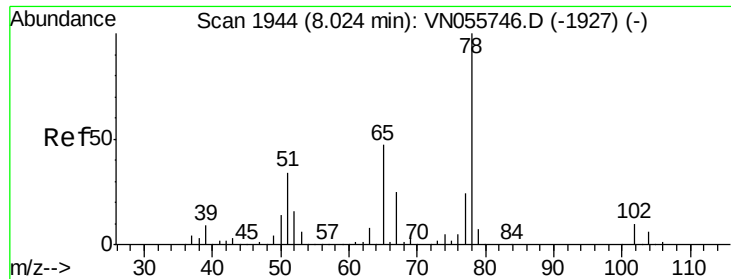


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

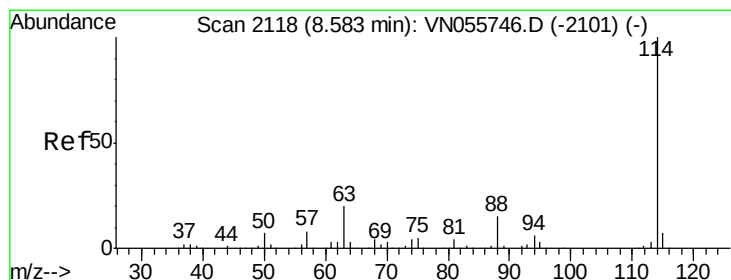
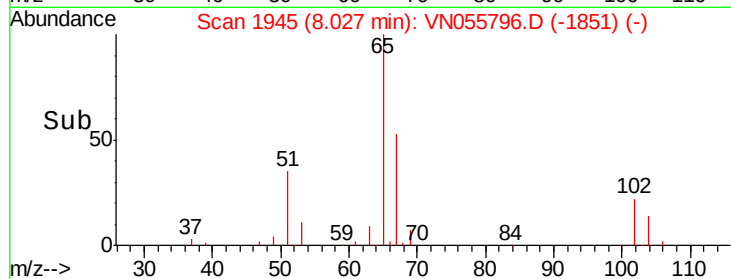
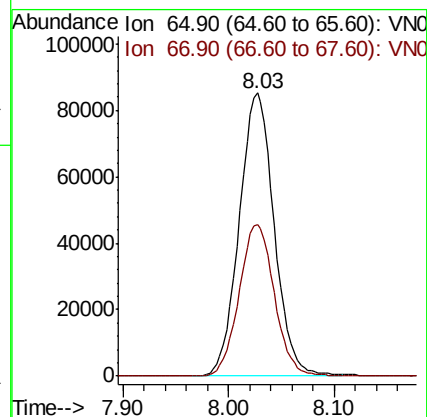
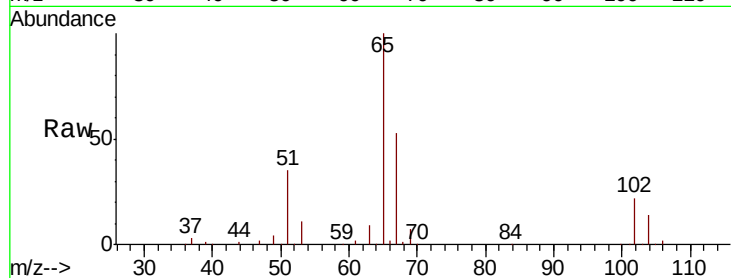




#33
 1,2-Dichloroethane-d4
 Concen: 44.667 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055796.D
 Acq: 24 May 2019 15:17

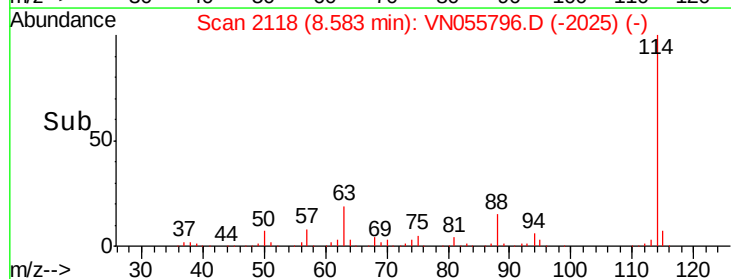
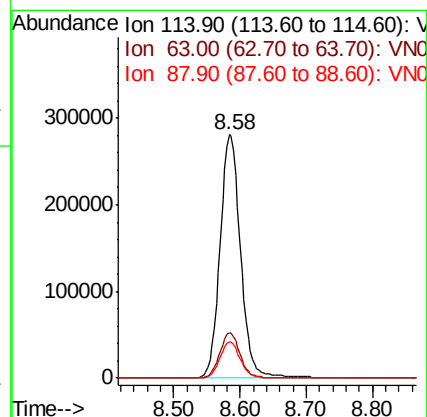
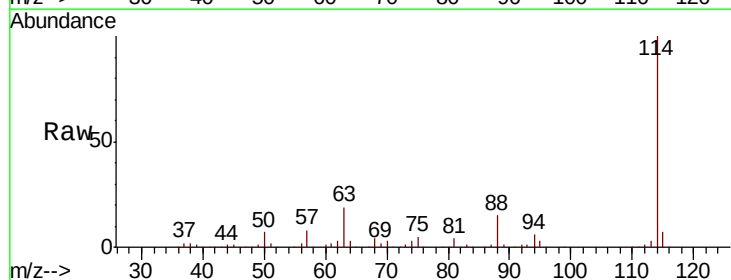
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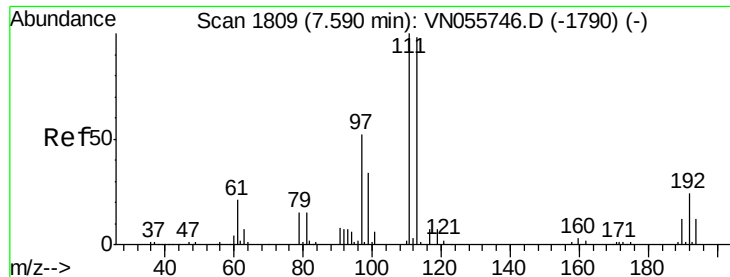
Tot Ion: 65 Resp: 195939
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055796.D
 Acq: 24 May 2019 15:17

Tgt Ion: 114 Resp: 603548
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 14.9 0.0 31.0

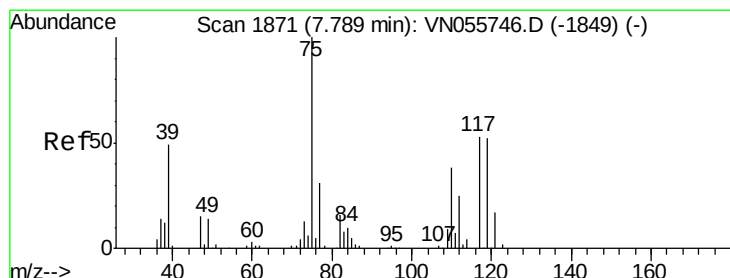
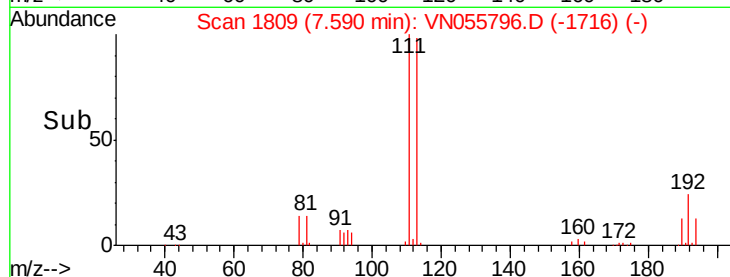
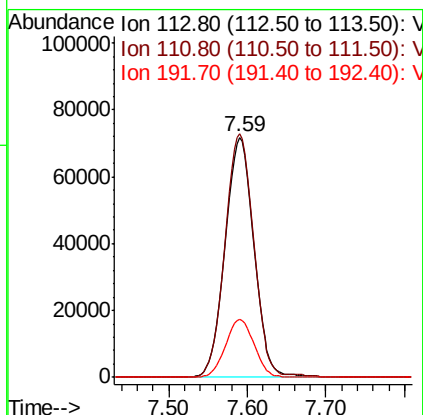
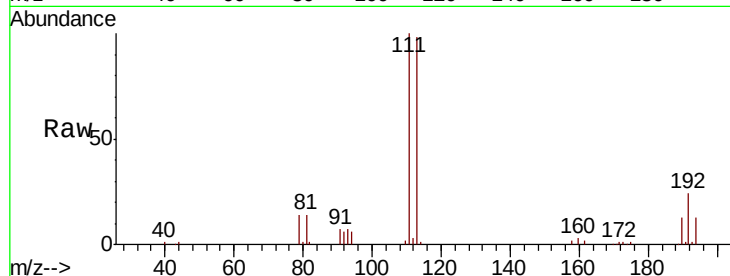




#35
 Dibromofluoromethane
 Concen: 47.786 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055796.D
 Acq: 24 May 2019 15:17

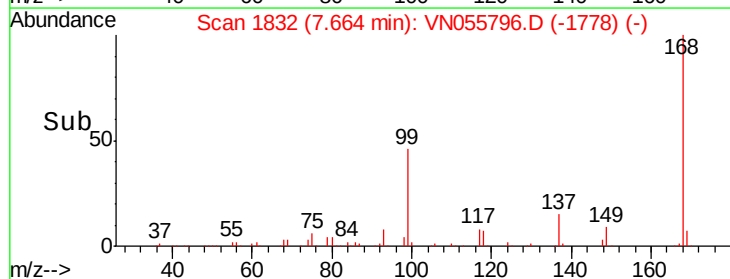
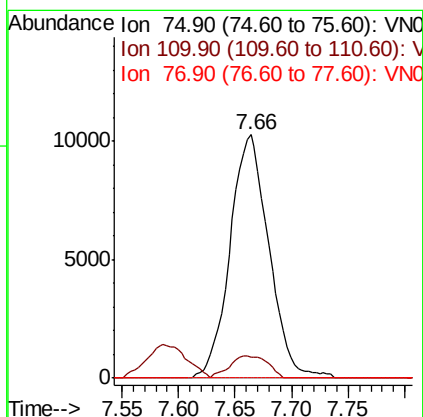
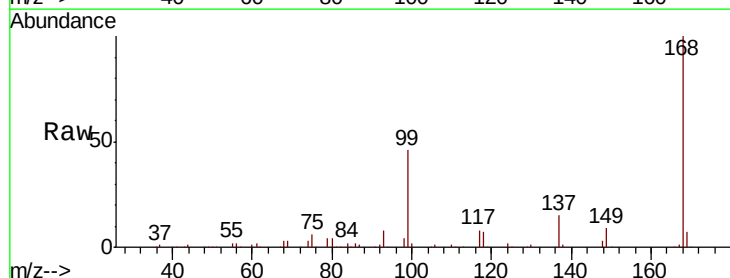
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

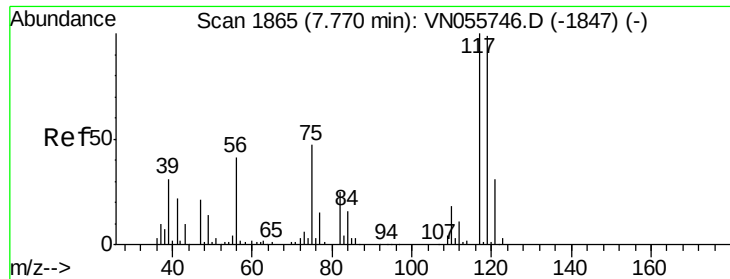
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.9	122.9
192	24.0	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 4.663 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055796.D
 Acq: 24 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	19.0	57.0#
77	0.0	25.1	37.7#

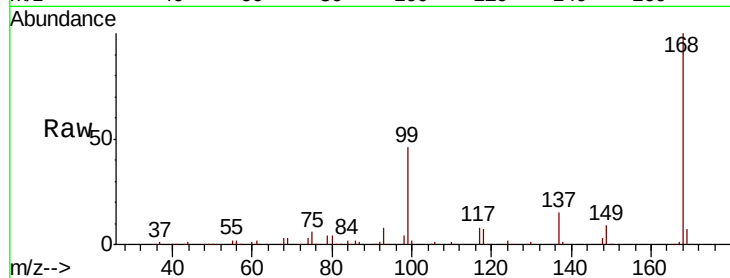




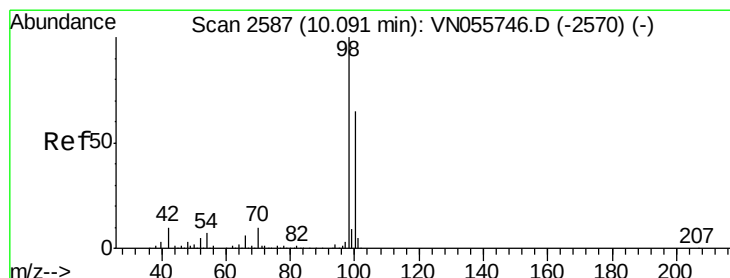
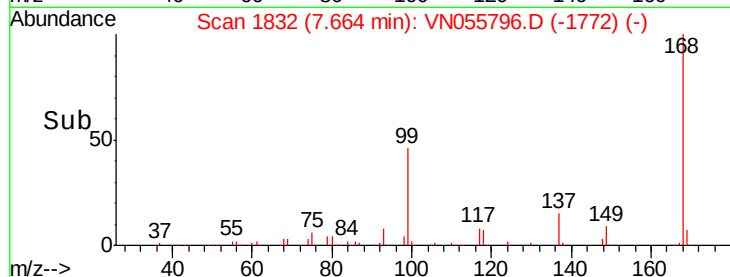
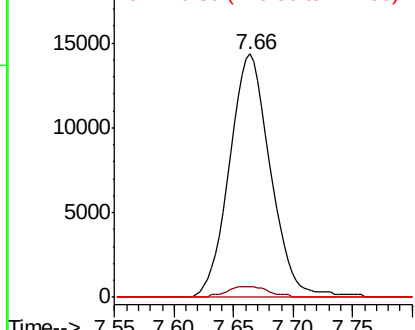
#38
Carbon Tetrachloride
Concen: 6.240 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN055796.D
Acq: 24 May 2019 15:17

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

Tot Ion:117 Resp: 34187
Ion Ratio Lower Upper
117 100
119 4.3 79.0 118.6#
121 0.0 24.7 37.1#

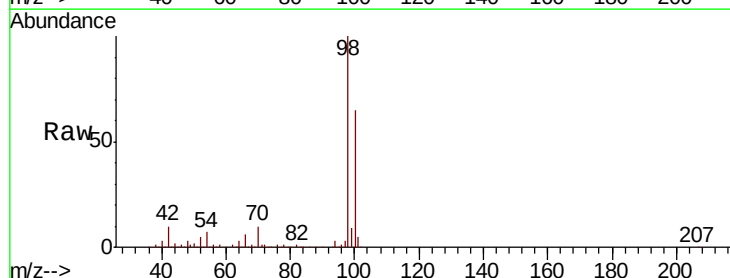


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

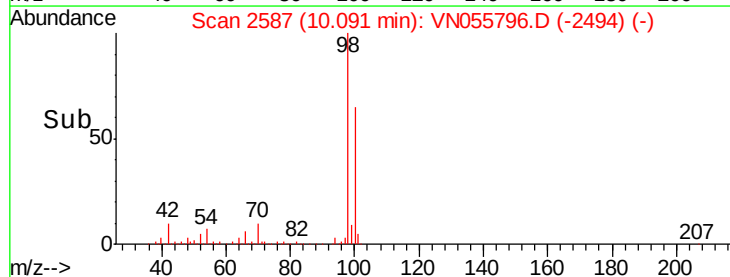
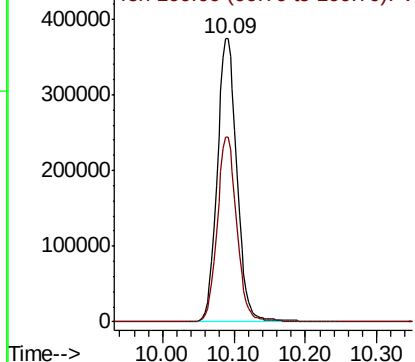


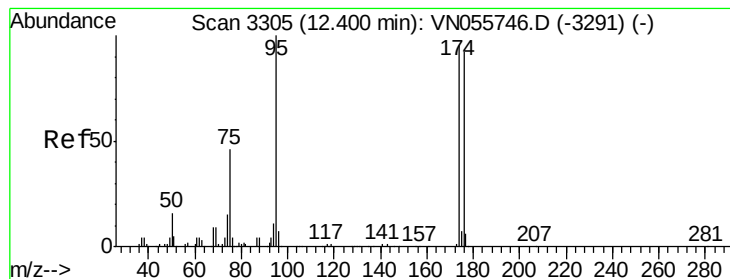
#50
Toluene-d8
Concen: 48.915 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055796.D
Acq: 24 May 2019 15:17

Tgt Ion: 98 Resp: 715983
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 46.773 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055796.D

Acq: 24 May 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

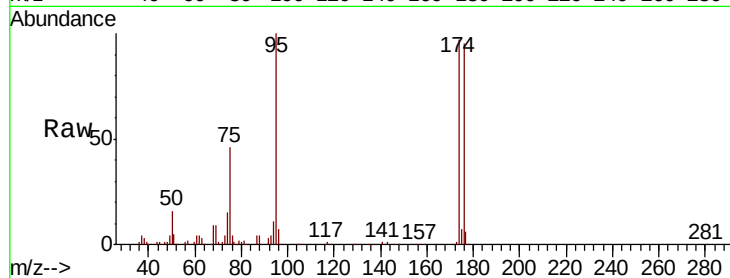
Tot Ion: 95 Resp: 234752

Ion Ratio Lower Upper

95 100

174 97.6 0.0 191.0

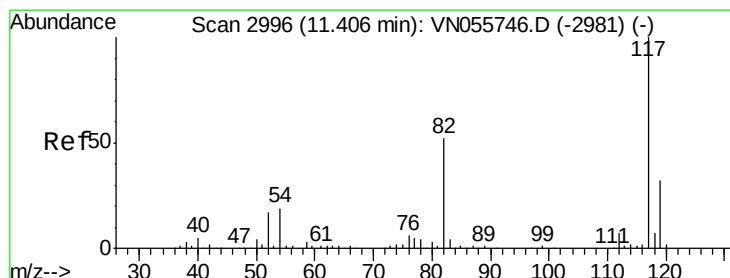
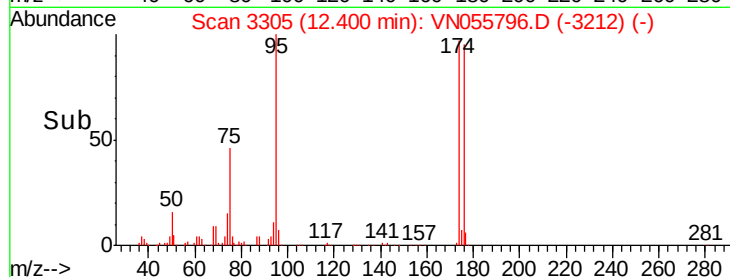
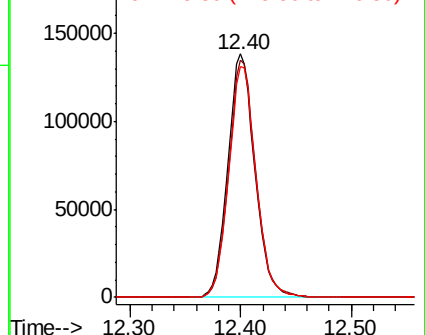
176 95.4 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055746.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055746.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055746.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055796.D

Acq: 24 May 2019 15:17

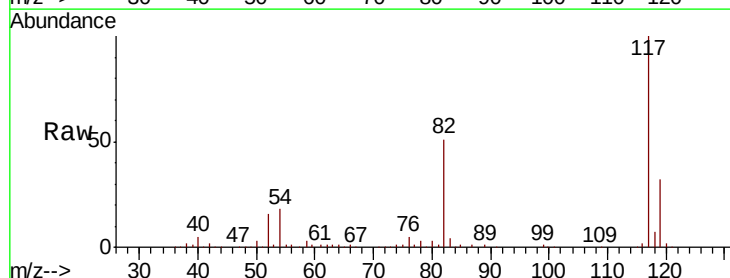
Tgt Ion: 117 Resp: 551286

Ion Ratio Lower Upper

117 100

82 51.4 41.8 62.8

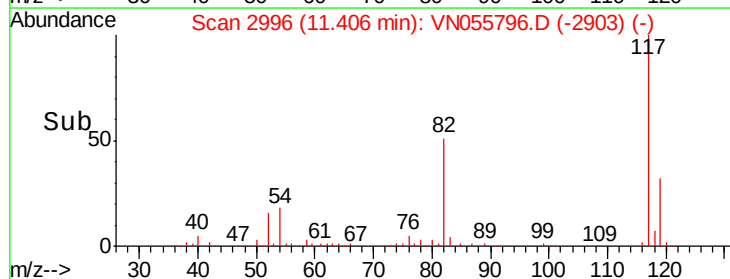
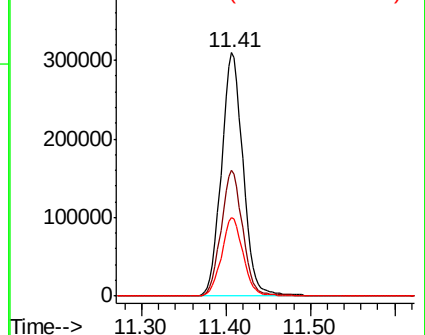
119 32.1 25.4 38.0

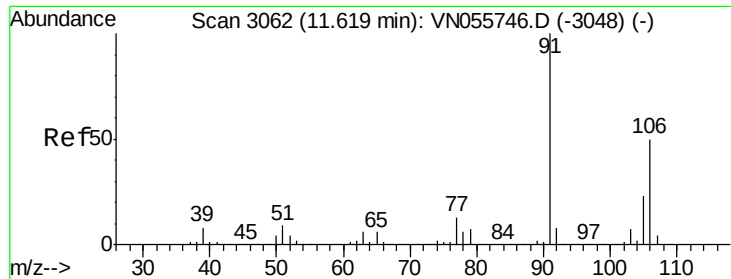


Abundance Ion 116.90 (116.60 to 117.60): VN055746.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055746.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055746.D (-2981) (-)

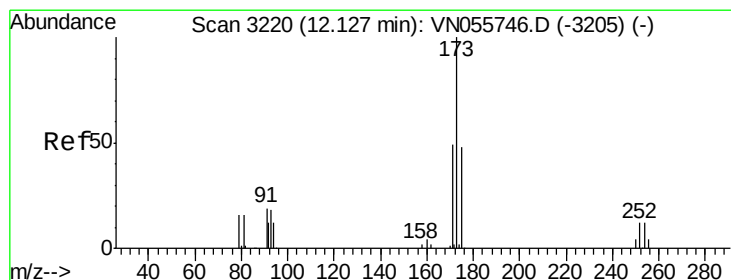
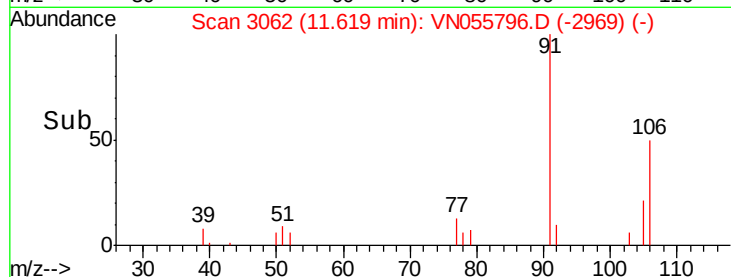
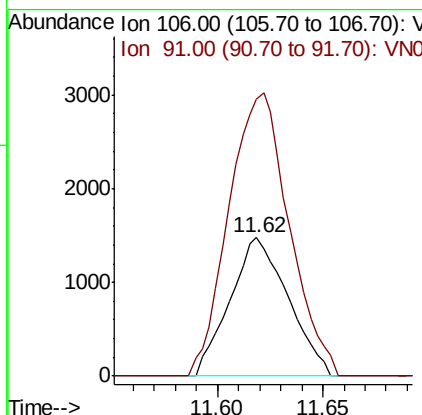
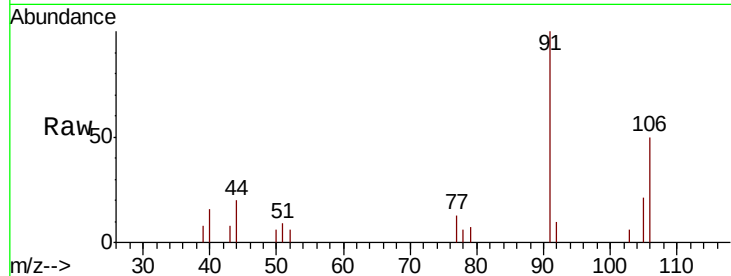




#68
m/p-Xvlenes
Concen: 0.378 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055796.D
Acq: 24 May 2019 15:17

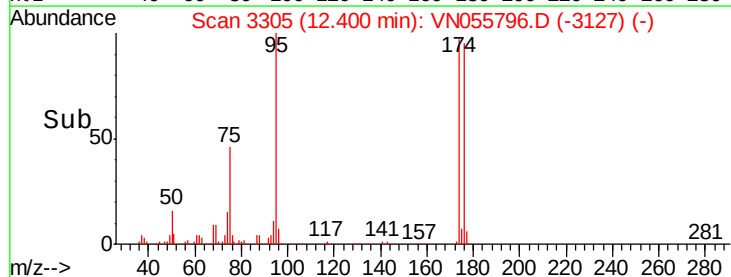
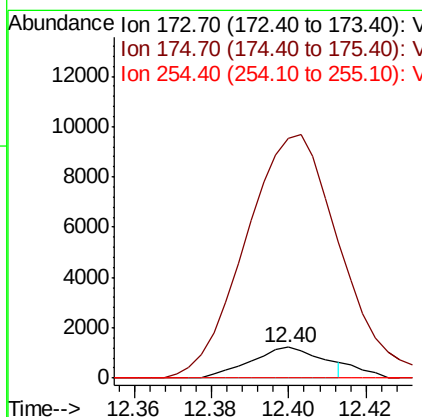
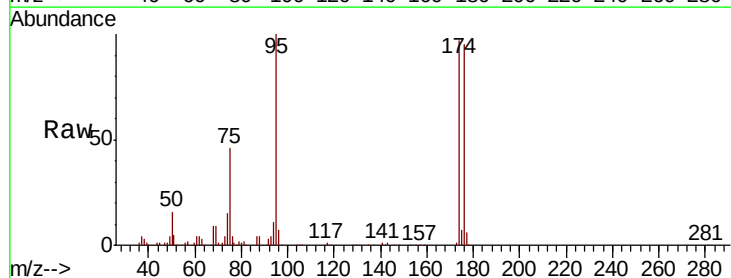
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

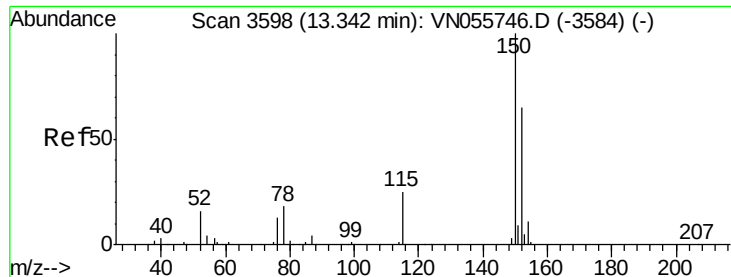
Tot Ion:106 Resp: 2829
Ion Ratio Lower Upper
106 100
91 212.3 159.3 238.9



#71
Bromoform
Concen: 0.422 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055796.D
Acq: 24 May 2019 15:17

Tgt Ion:173 Resp: 1585
Ion Ratio Lower Upper
173 100
175 905.8 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055796.D

Acq: 24 May 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

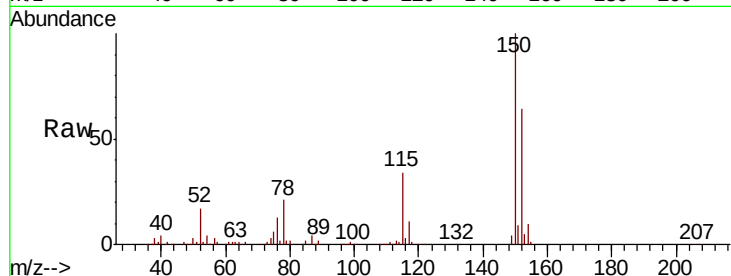
Tot Ion:152 Resp: 199296

Ion Ratio Lower Upper

152 100

115 53.0 27.0 81.0

150 157.6 0.0 343.2

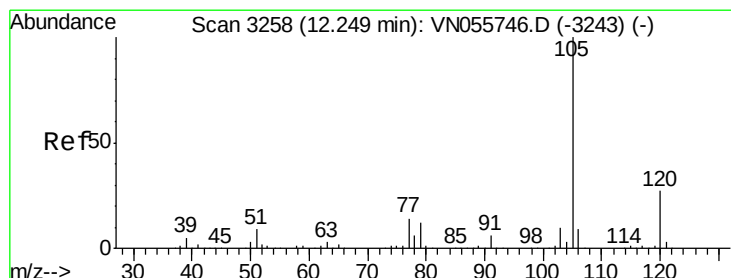
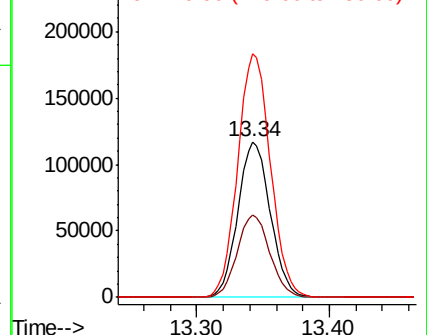
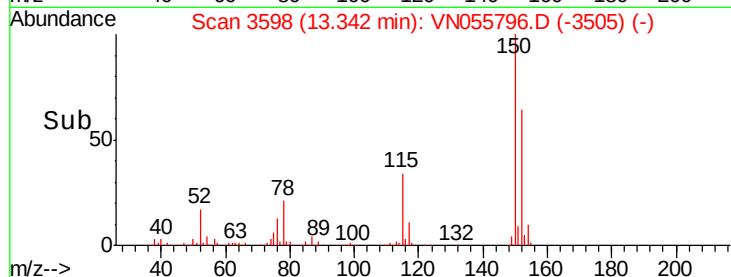


Abundance

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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055796.D

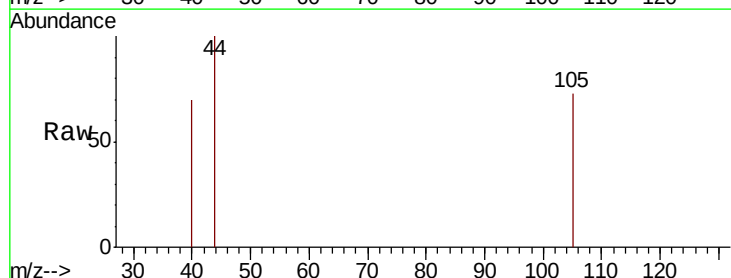
Acq: 24 May 2019 15:17

Tgt Ion:105 Resp: 719

Ion Ratio Lower Upper

105 100

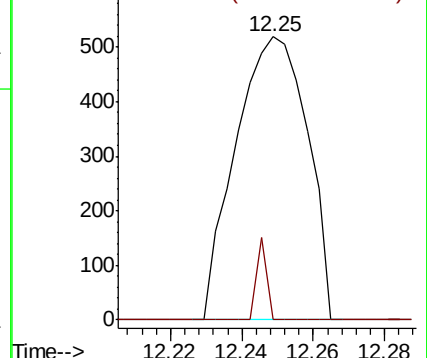
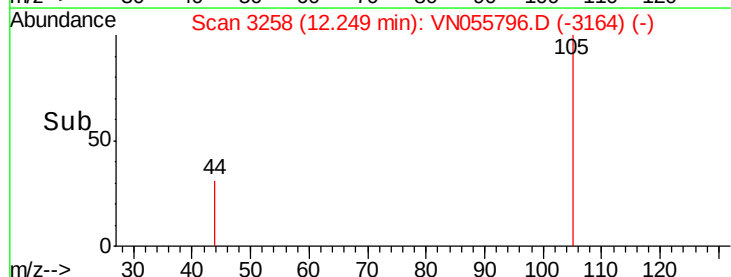
120 4.0 13.6 40.7#

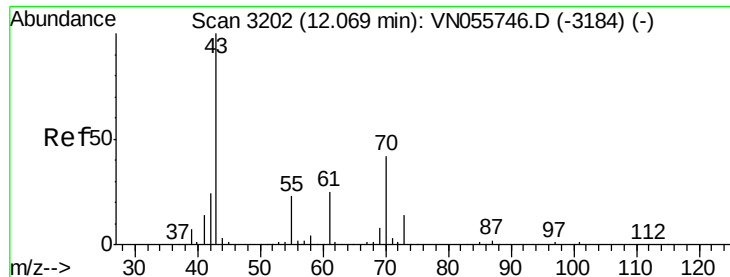


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055796.D

Acq: 24 May 2019 15:17

Instrument :

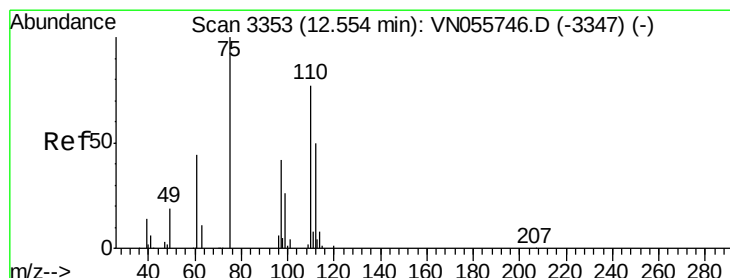
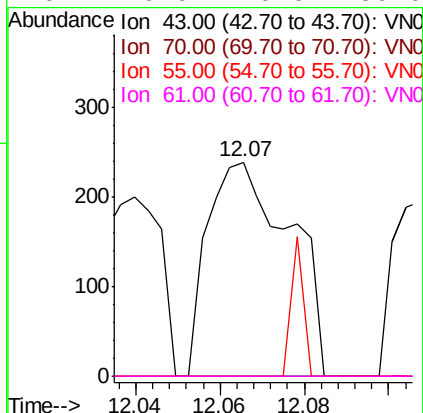
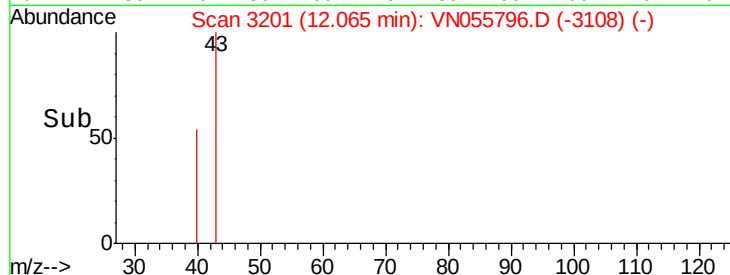
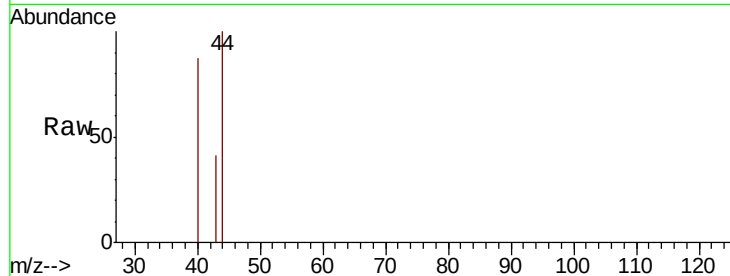
MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 325

Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.0	51.0#
55	9.2	18.6	28.0#
61	0.0	20.0	30.0#



#76

1,2,3-Trichloropropane

Concen: 30.127 ug/l

RT: 12.40 min Scan# 3305

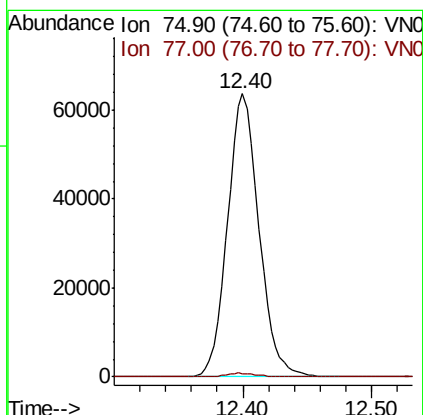
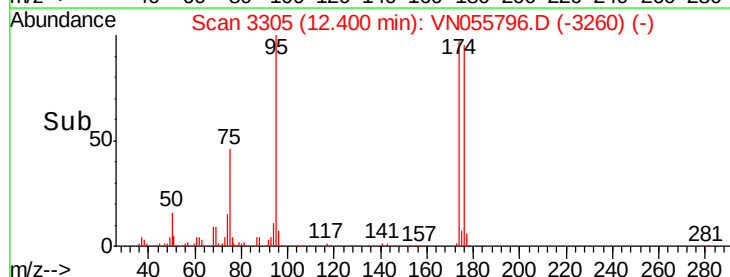
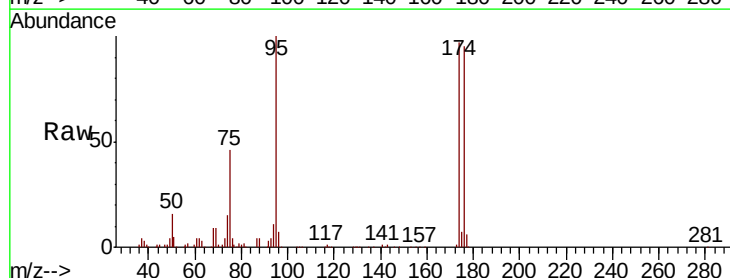
Delta R.T. -0.15 min

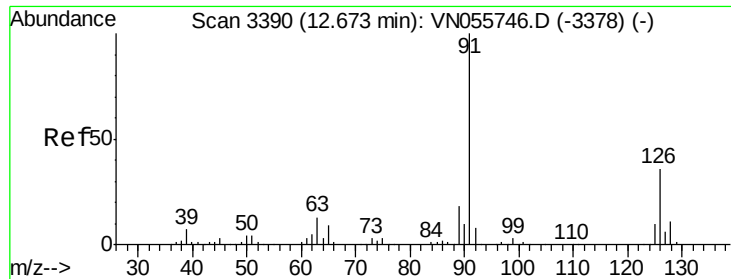
Lab File: VN055796.D

Acq: 24 May 2019 15:17

Tgt Ion: 75 Resp: 107681

Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.66 min Scan# 3386

Delta R.T. -0.01 min

Lab File: VN055796.D

Acq: 24 May 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

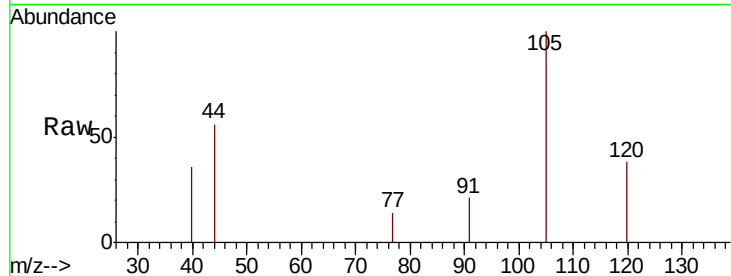
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 91 Resp: 444

Ion Ratio Lower Upper

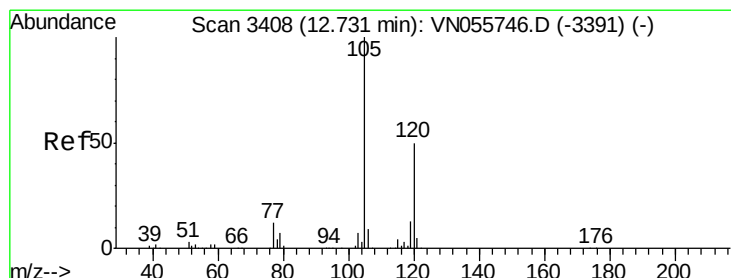
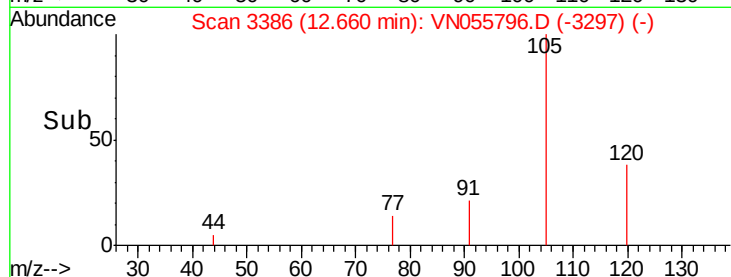
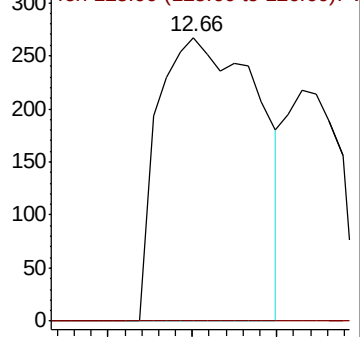
91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055796.D

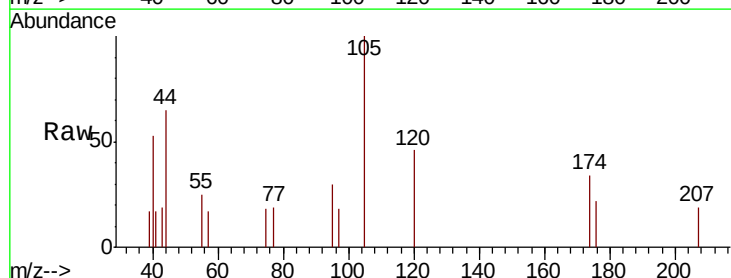
Acq: 24 May 2019 15:17

Tgt Ion:105 Resp: 1564

Ion Ratio Lower Upper

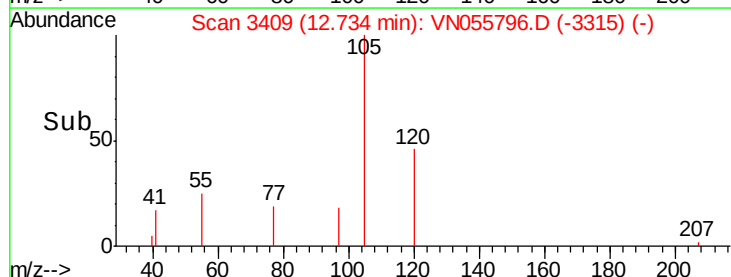
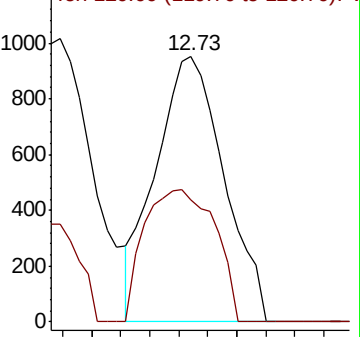
105 100

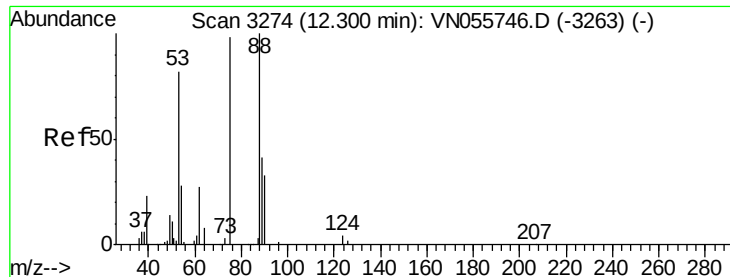
120 51.7 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

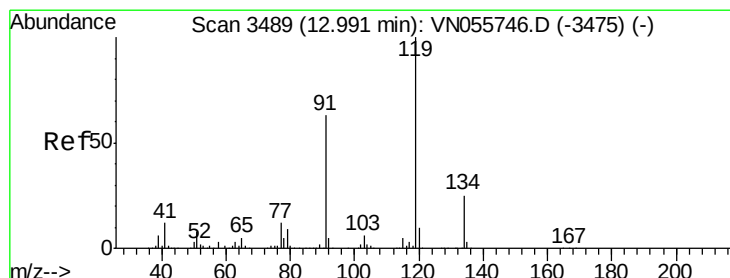
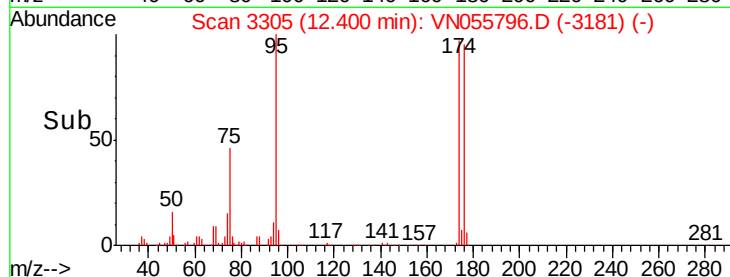
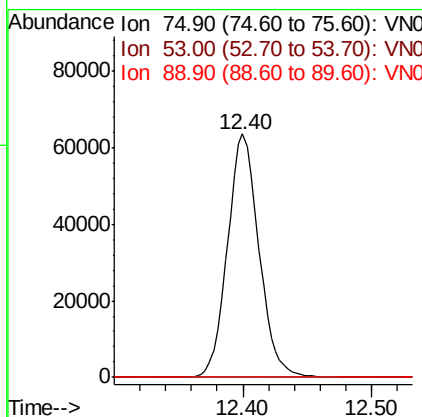
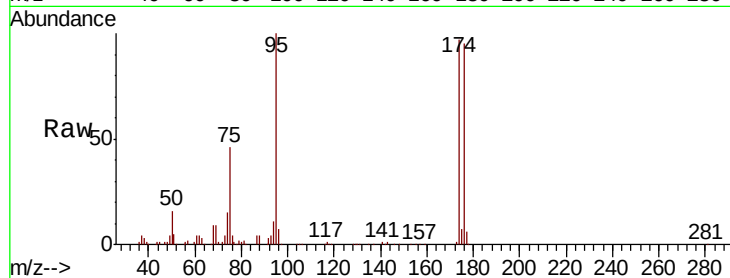




#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.697 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055796.D
 Acq: 24 May 2019 15:17

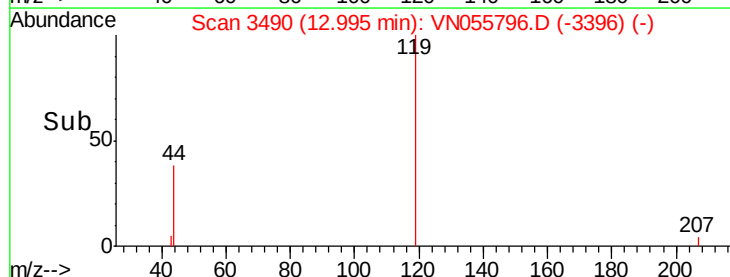
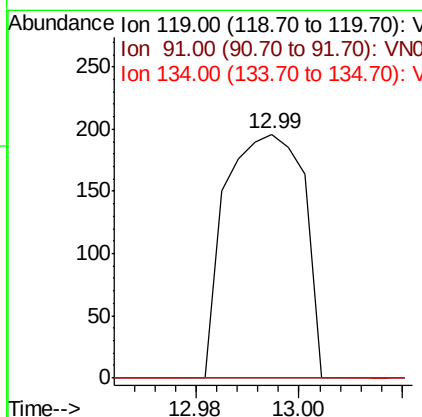
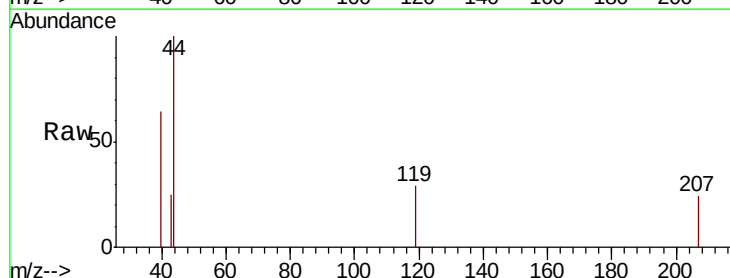
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

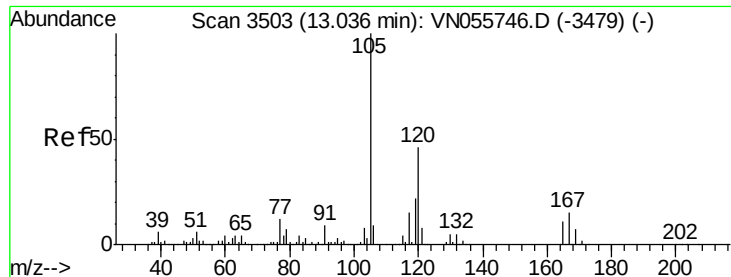
Tot Ion: 75 Resp: 107681
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.1 102.1#
 89 0.0 36.9 55.3#



#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055796.D
 Acq: 24 May 2019 15:17

Tgt Ion: 119 Resp: 205
 Ion Ratio Lower Upper
 119 100
 91 0.0 30.9 92.8#
 134 0.0 13.3 39.8#

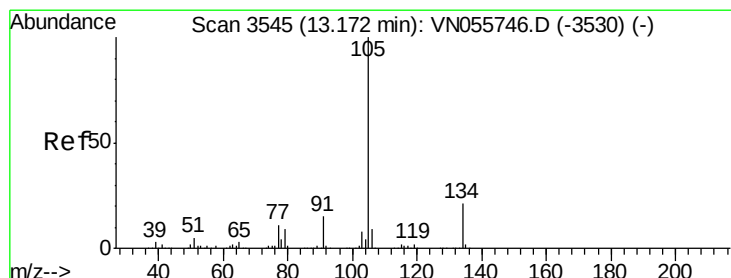
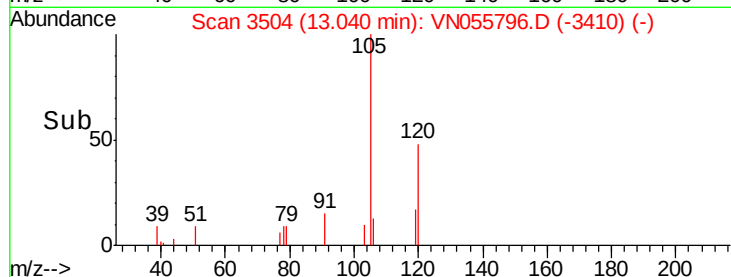
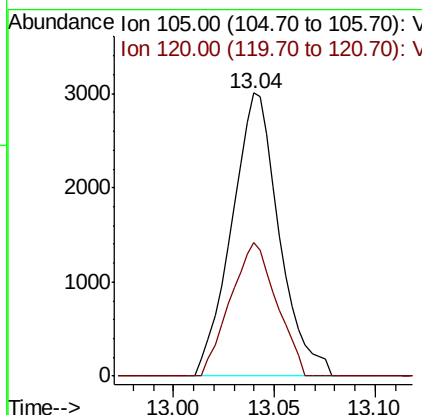
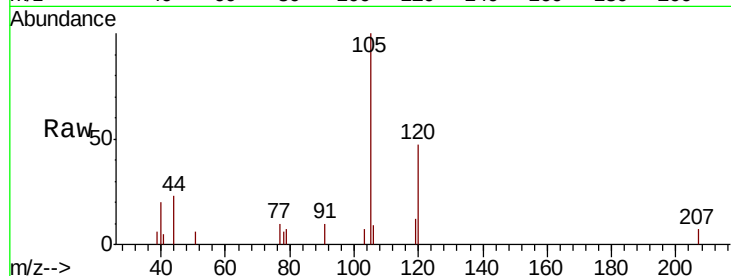




#84
1,2,4-Trimethylbenzene
Concen: Below Cal
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055796.D
Acq: 24 May 2019 15:17

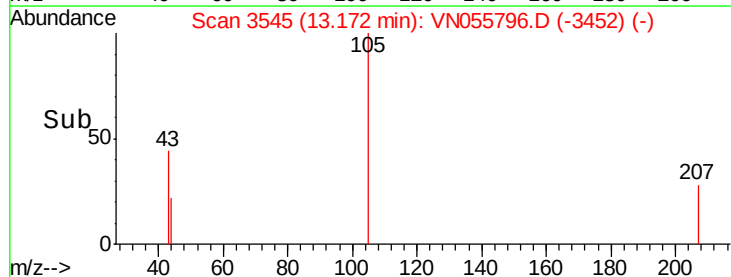
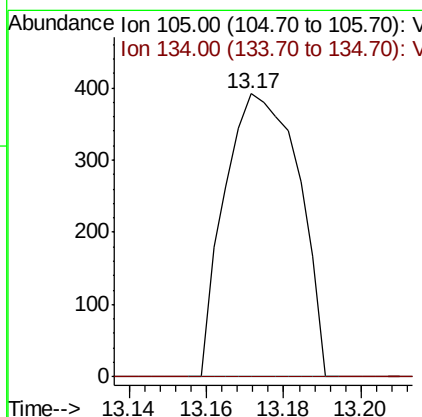
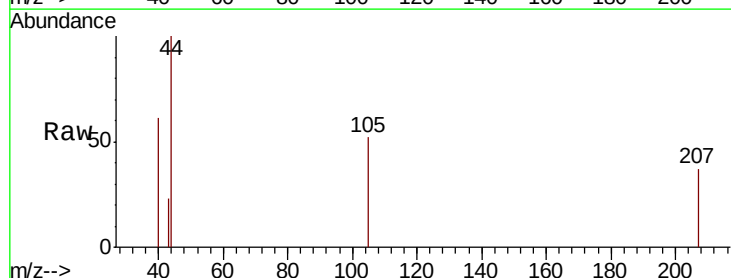
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

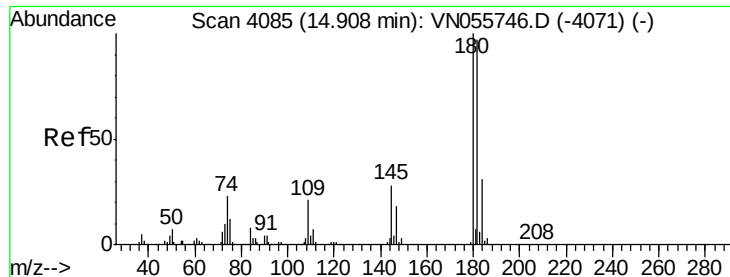
Tot Ion:105 Resp: 4944
Ion Ratio Lower Upper
105 100
120 46.0 23.0 69.0



#85
sec-Butylbenzene
Concen: Below Cal
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN055796.D
Acq: 24 May 2019 15:17

Tgt Ion:105 Resp: 520
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.2#

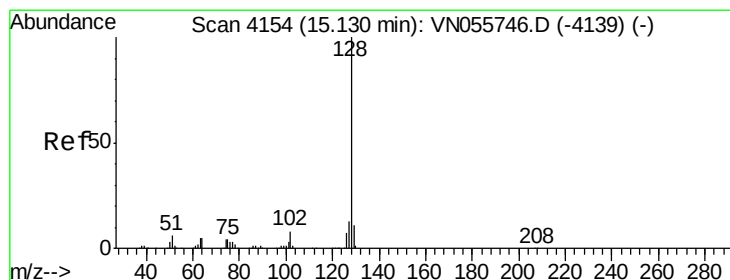
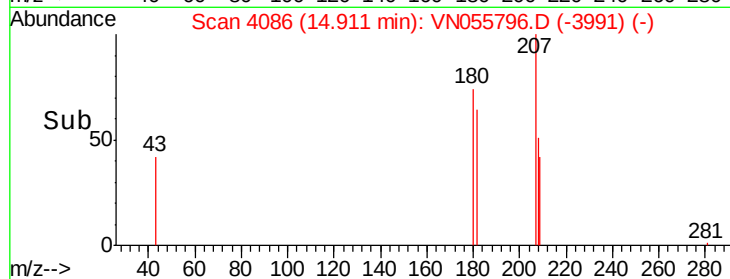
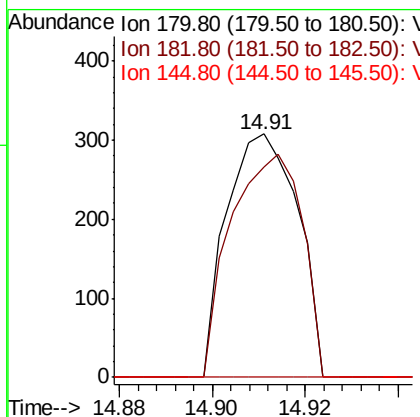
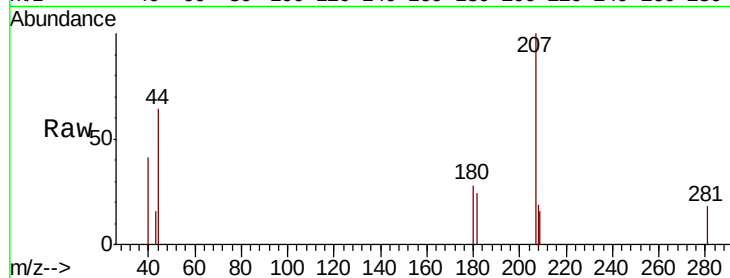




#93
 1,2,4-Trichlorobenzene
 Concen: 3.716 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055796.D
 Acq: 24 May 2019 15:17

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	48.3	144.9
145	0.0	14.0	41.9#



#95
 Naphthalene
 Concen: 0.226 ug/l
 RT: 15.14 min Scan# 4157
 Delta R.T. 0.01 min
 Lab File: VN055796.D
 Acq: 24 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	5.3	10.3	15.5#
129	0.0	8.7	13.1#

