

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058768.D
 Acq On : 14 Oct 2019 22:48
 Operator : JC/SP
 Sample : K5293-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KEARNY-TOPSOIL

Quant Time: Oct 15 03:17:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	380140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	631770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	237026	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	296188	55.65	ug/l	0.00
Spiked Amount			Recovery	=	111.30%	
35) Dibromofluoromethane	7.57	113	212033	54.34	ug/l	0.00
Spiked Amount			Recovery	=	108.68%	
50) Toluene-d8	10.08	98	747069	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
62) 4-Bromofluorobenzene	12.41	95	255171	43.20	ug/l	0.00
Spiked Amount			Recovery	=	86.40%	

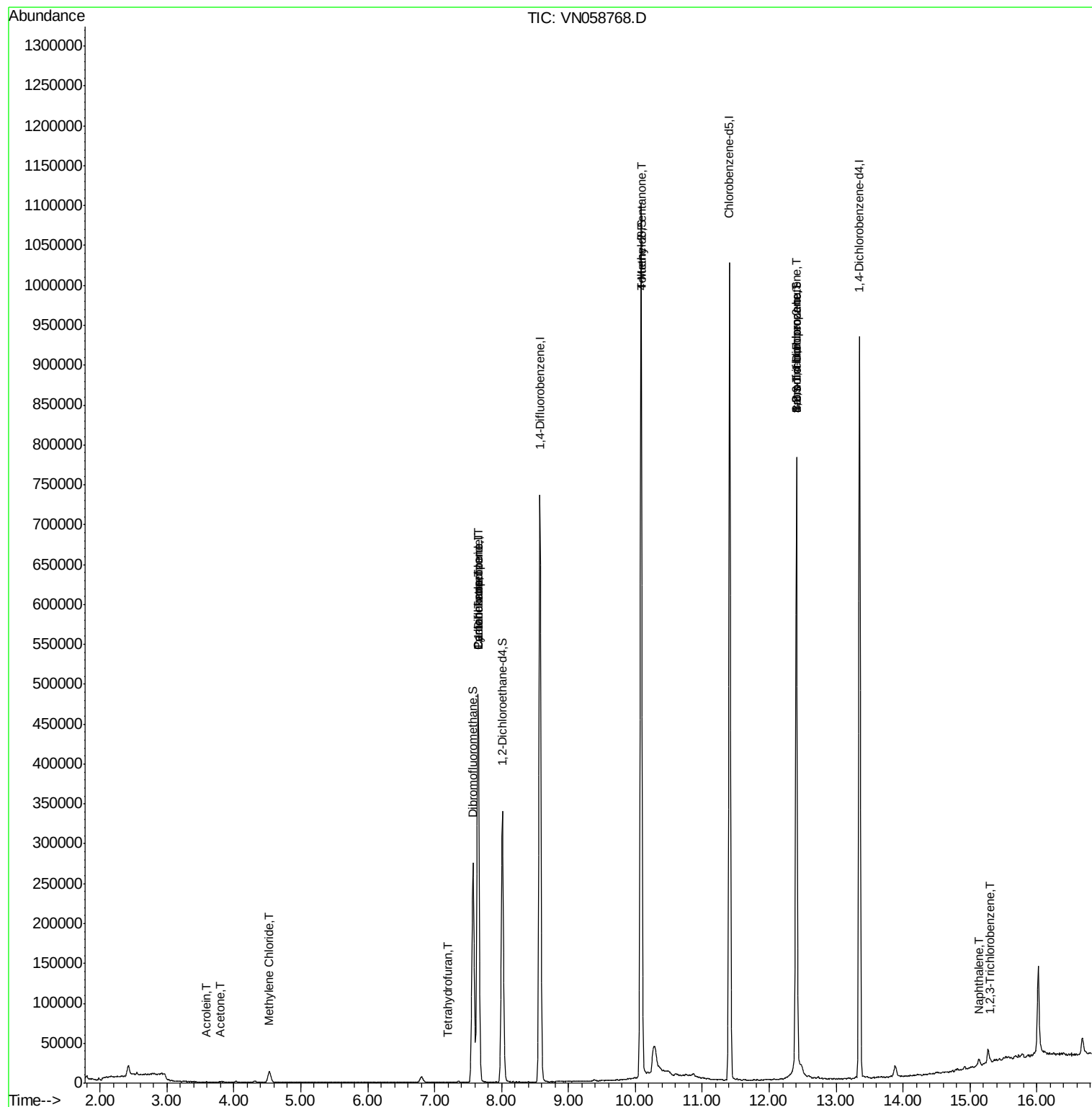
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.58	56	222	0.320	ug/l #	14
16) Acetone	3.80	43	991	0.450	ug/l #	46
20) Methylene Chloride	4.53	84	10855	2.357	ug/l	97
29) Tetrahydrofuran	7.21	42	437	0.212	ug/l #	49
31) Cyclohexane	7.64	56	8972	1.149	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	32340	5.063	ug/l #	50
38) Carbon Tetrachloride	7.65	117	38226	6.140	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	4073	0.659	ug/l #	1
71) Bromoform	12.41	173	1784	0.572	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	140291	26.980	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	140291	72.271	ug/l #	11
95) Naphthalene	15.13	128	3567	0.271	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.30	180	1138	0.255	ug/l	80

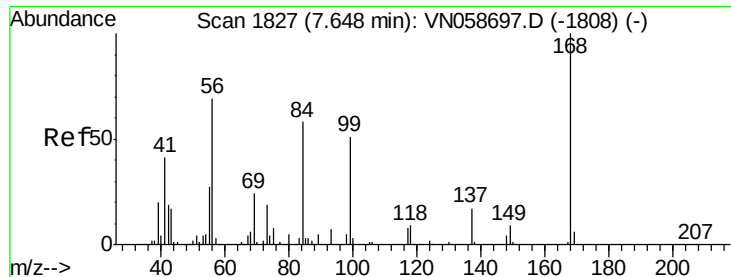
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058768.D

Acq: 14 Oct 2019 22:48

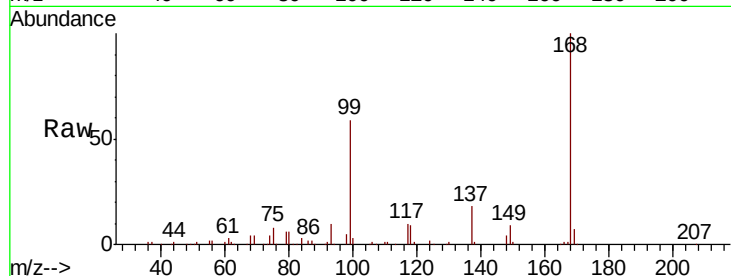
Instrument :
MSVOA_N
ClientSampleId :
KEARNY-TOPSOIL

Tot Ion:168 Resp: 380140

Ion Ratio Lower Upper

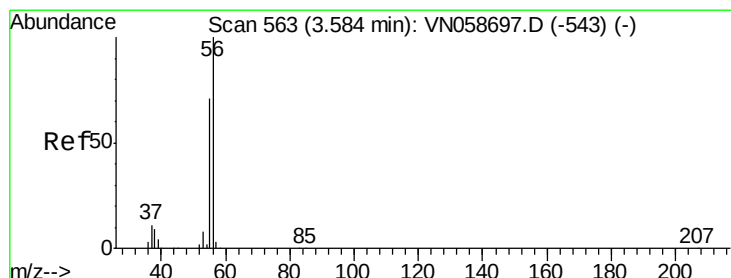
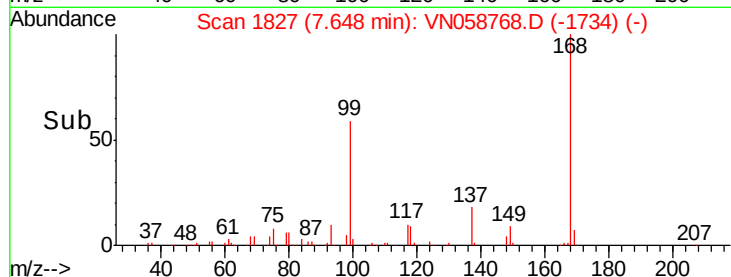
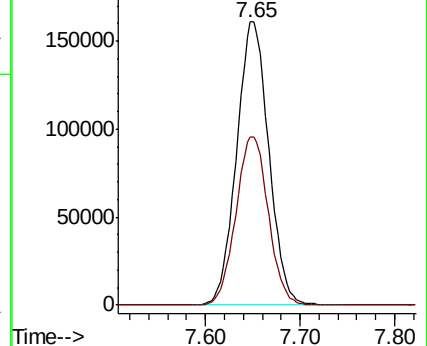
168 100

99 59.4 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#13

Acrolein

Concen: 0.320 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058768.D

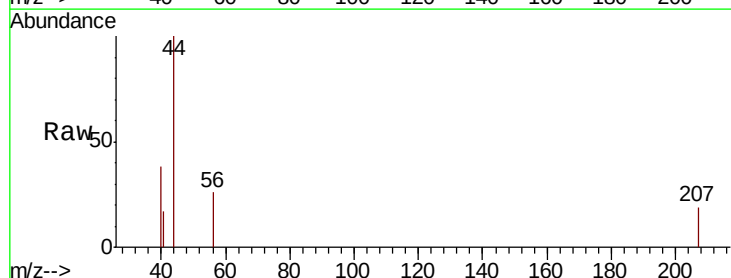
Acq: 14 Oct 2019 22:48

Tgt Ion: 56 Resp: 222

Ion Ratio Lower Upper

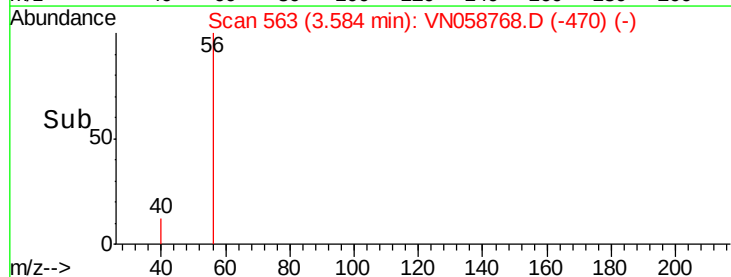
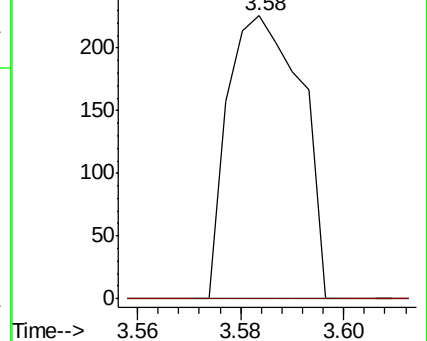
56 100

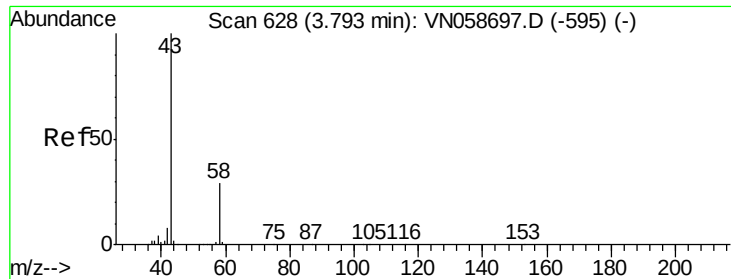
55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

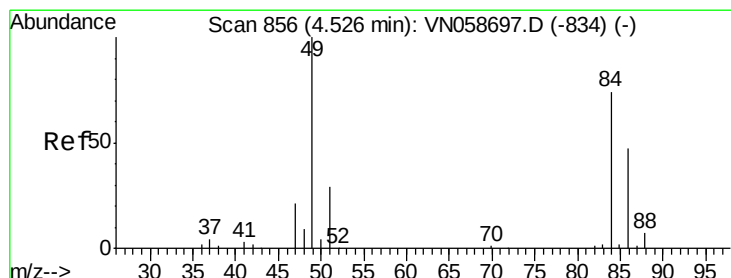
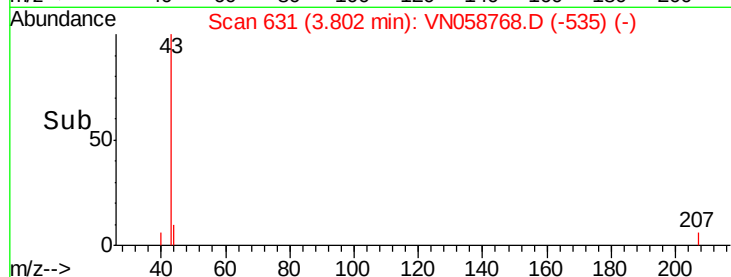
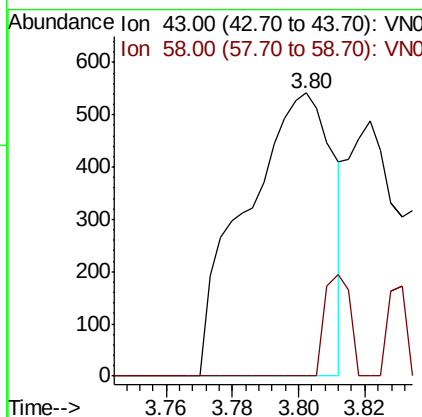
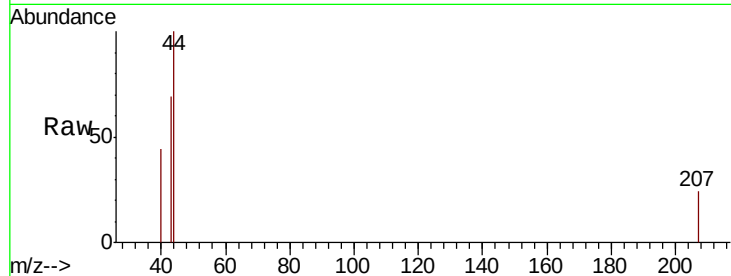




#16
Acetone
Concen: 0.450 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN058768.D
Acq: 14 Oct 2019 22:48

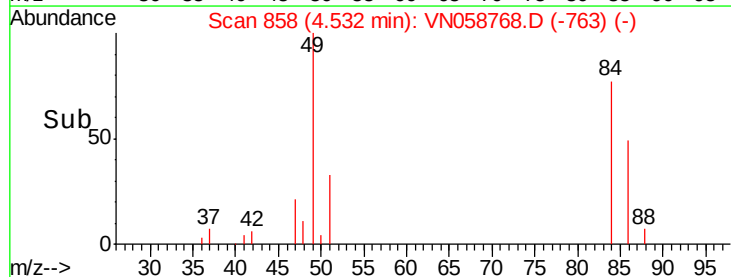
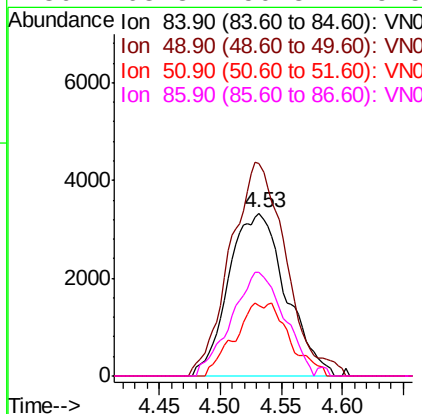
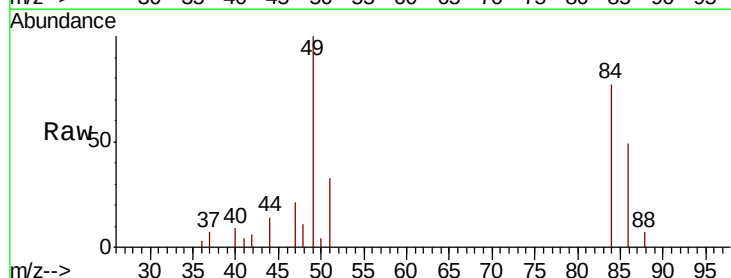
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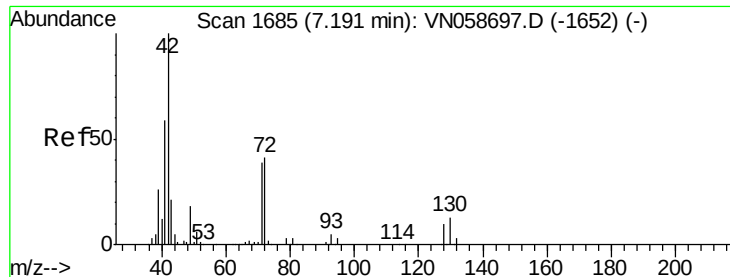
Tot Ion: 43 Resp: 991
Ion Ratio Lower Upper
43 100
58 0.0 23.3 34.9#



#20
Methylene Chloride
Concen: 2.357 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058768.D
Acq: 14 Oct 2019 22:48

Tgt Ion: 84 Resp: 10855
Ion Ratio Lower Upper
84 100
49 130.6 107.6 161.4
51 43.3 31.4 47.0
86 63.3 50.3 75.5

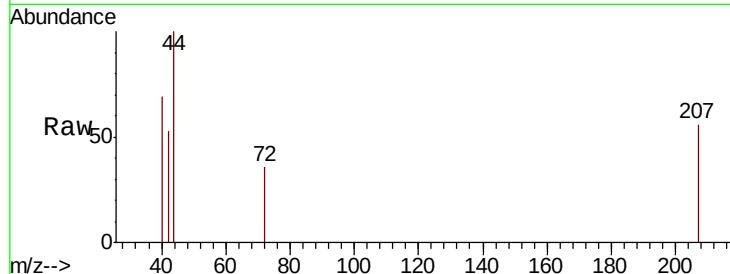




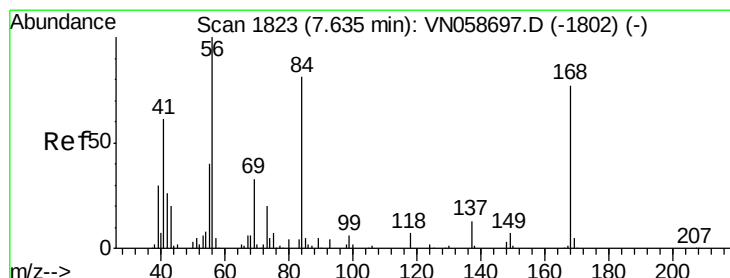
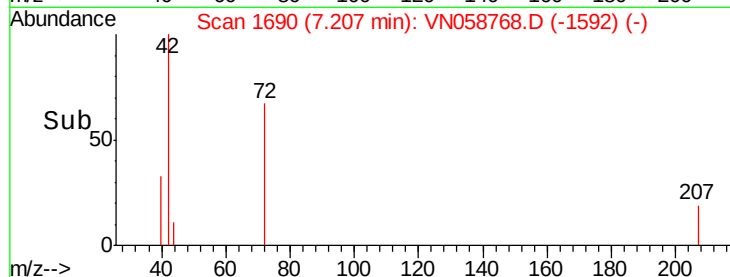
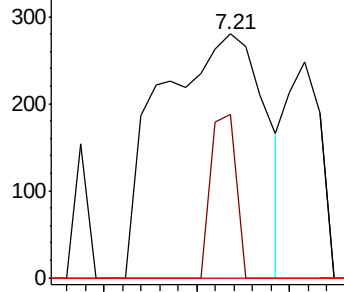
#29
Tetrahydrofuran
Concen: 0.212 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.02 min
Lab File: VN058768.D
Acq: 14 Oct 2019 22:48

Instrument :
MSVOA_N
ClientSampleId :
KEARNY-TOPSOIL

Tot Ion: 42 Resp: 437
Ion Ratio Lower Upper
42 100
72 16.2 32.8 49.2#
71 0.0 31.1 46.7#

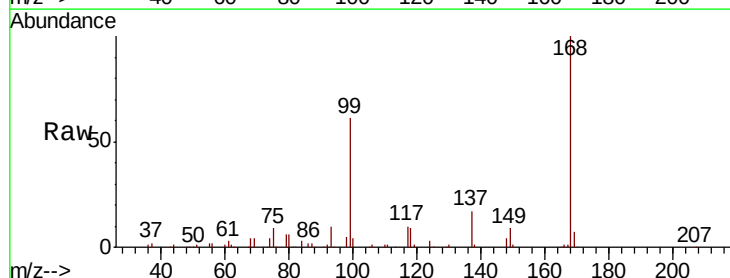


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

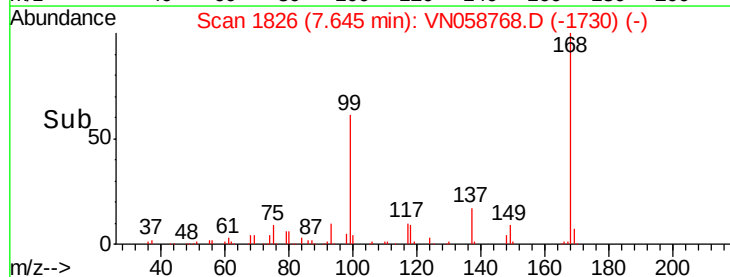
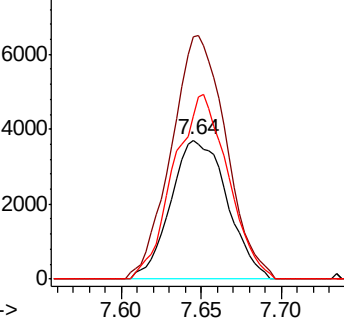


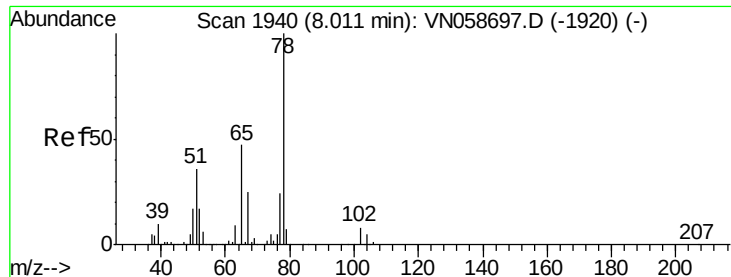
#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058768.D
Acq: 14 Oct 2019 22:48

Tgt Ion: 56 Resp: 8972
Ion Ratio Lower Upper
56 100
69 174.1 26.2 39.4#
84 116.8 64.9 97.3#



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

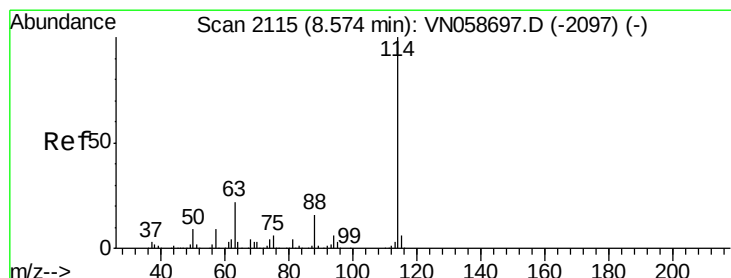
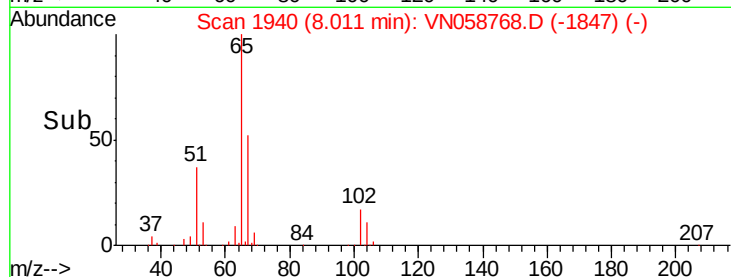
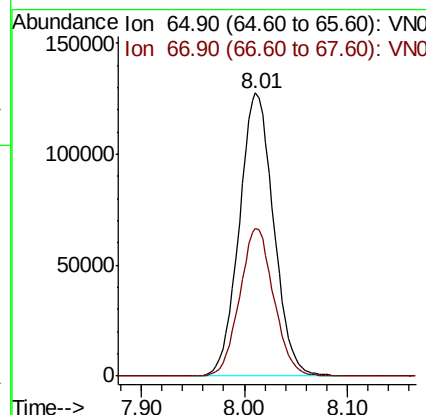
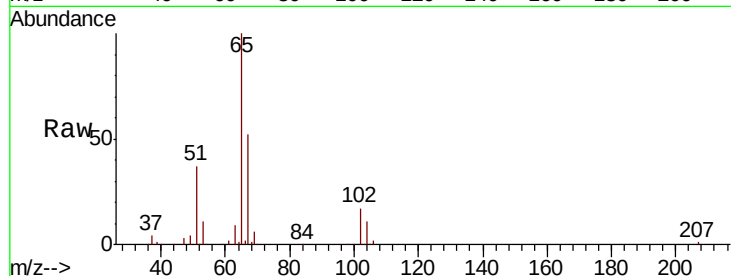




#33
 1,2-Dichloroethane-d4
 Concen: 55.655 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058768.D
 Acq: 14 Oct 2019 22:48

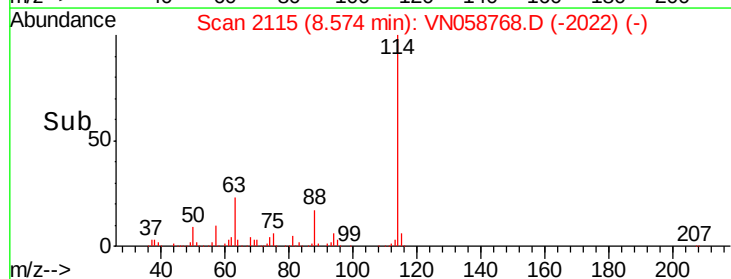
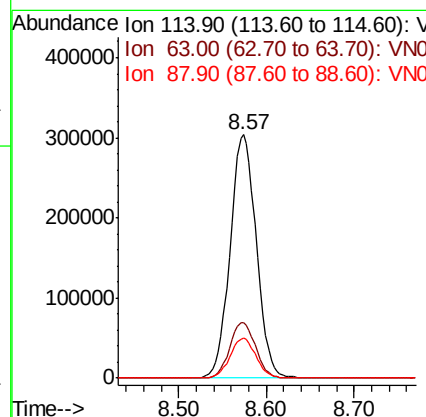
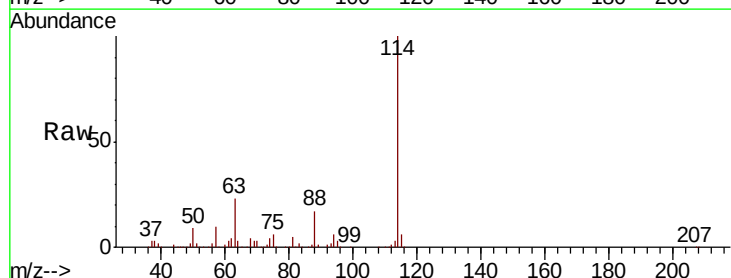
Instrument :
 MSVOA_N
 ClientSampleId :
 KEARNY-TOPSOIL

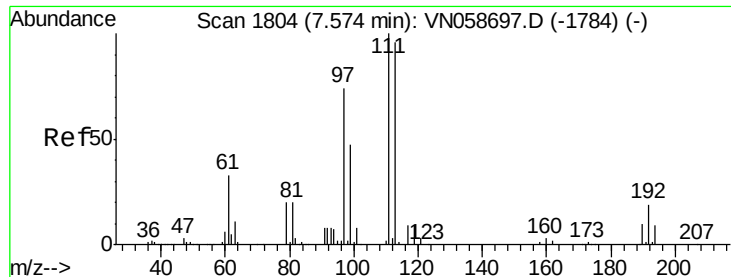
Tot Ion: 65 Resp: 296188
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058768.D
 Acq: 14 Oct 2019 22:48

Tgt Ion: 114 Resp: 631770
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.8
 88 16.5 0.0 32.0

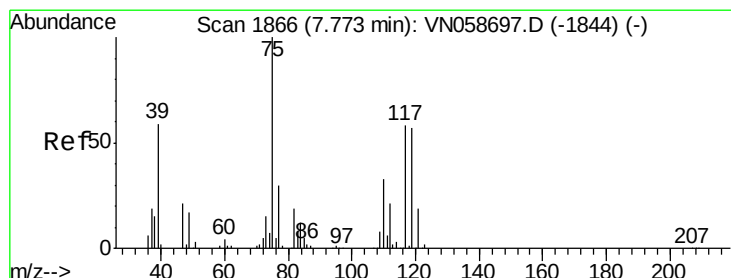
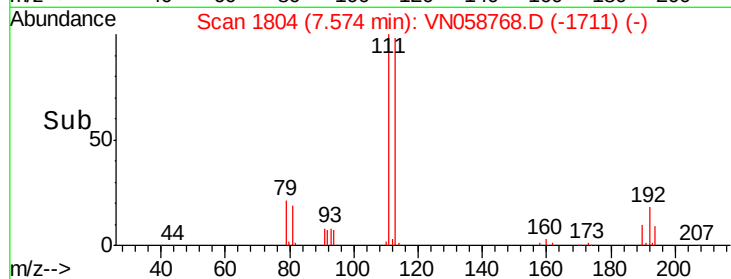
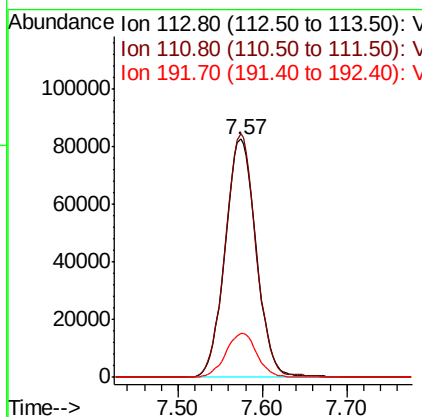
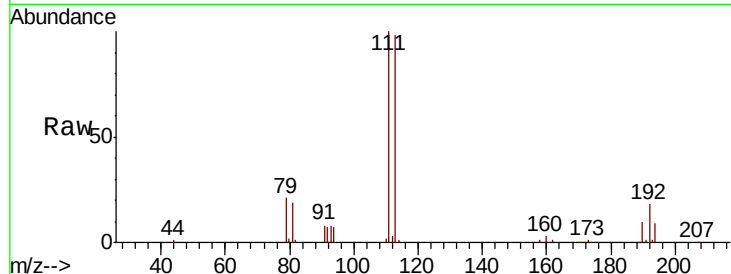




#35
 Dibromofluoromethane
 Concen: 54.335 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058768.D
 Acq: 14 Oct 2019 22:48

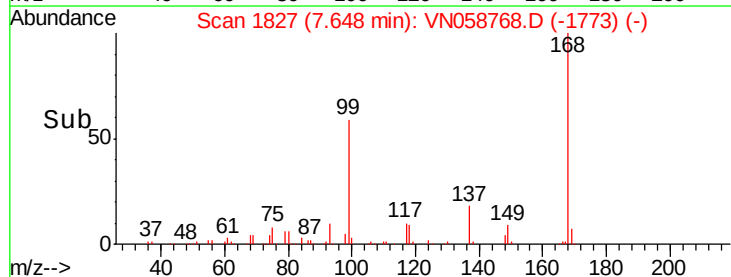
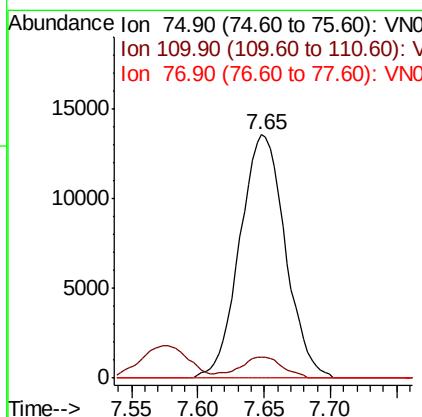
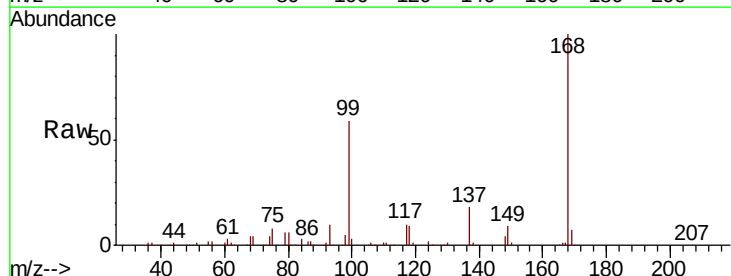
Instrument :
 MSVOA_N
 ClientSampleId :
 KEARNY-TOPSOIL

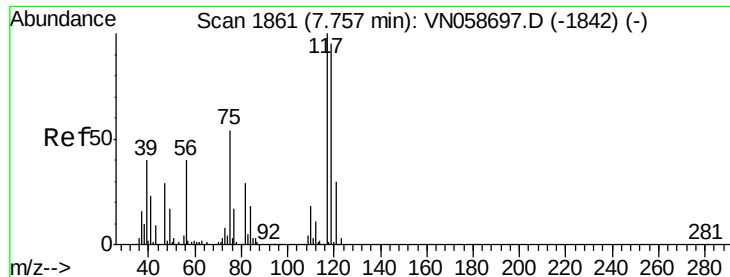
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.9	82.3	123.5
192	18.6	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 5.063 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058768.D
 Acq: 14 Oct 2019 22:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.6	49.8#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.140 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058768.D

Acq: 14 Oct 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

KEARNY-TOPSOIL

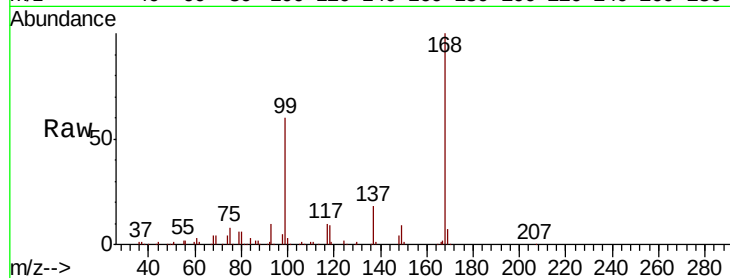
Tot Ion:117 Resp: 38226

Ion Ratio Lower Upper

117 100

119 4.9 75.7 113.5#

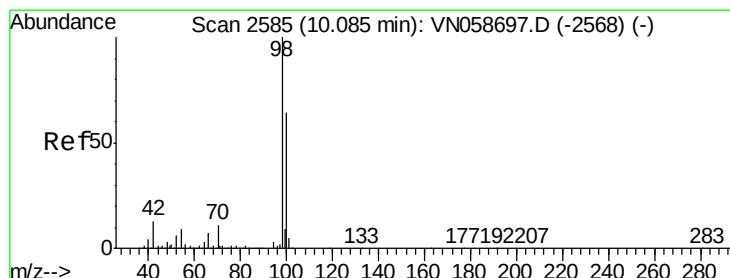
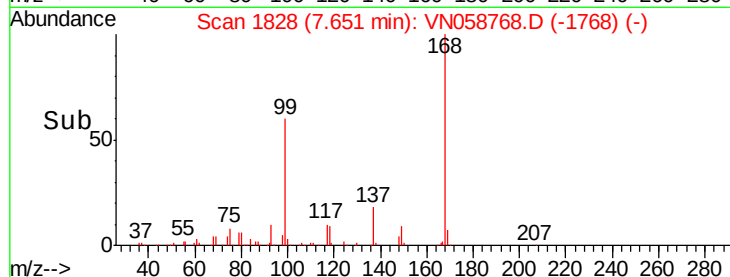
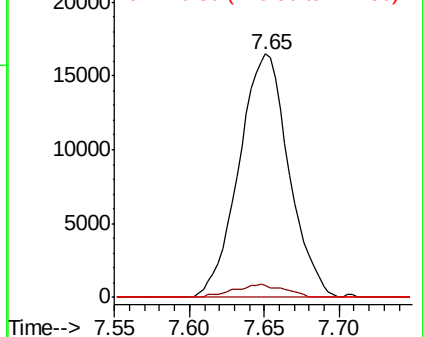
121 0.0 23.9 35.9#



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: 47.874 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058768.D

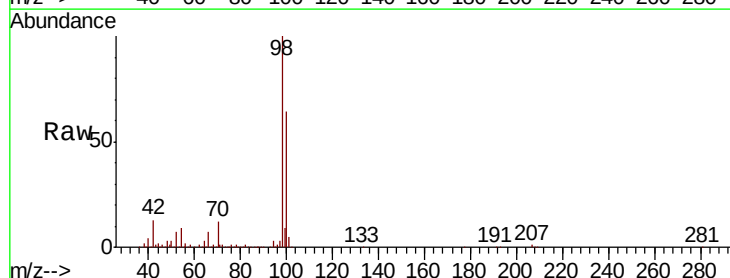
Acq: 14 Oct 2019 22:48

Tgt Ion: 98 Resp: 747069

Ion Ratio Lower Upper

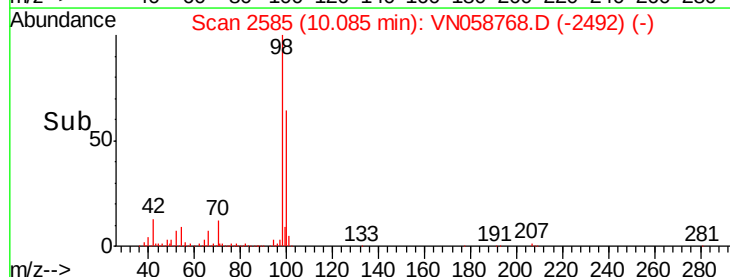
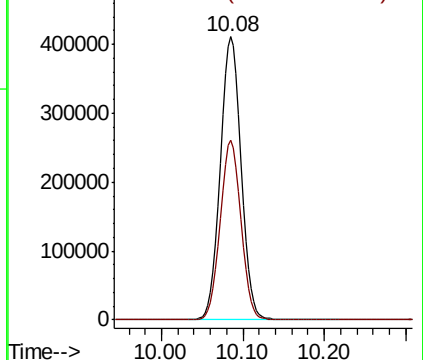
98 100

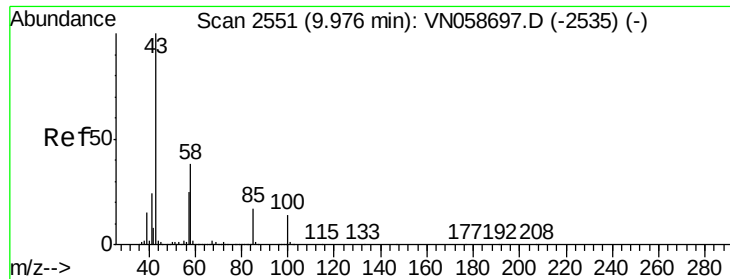
100 63.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.659 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.11 min

Lab File: VN058768.D

Acq: 14 Oct 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

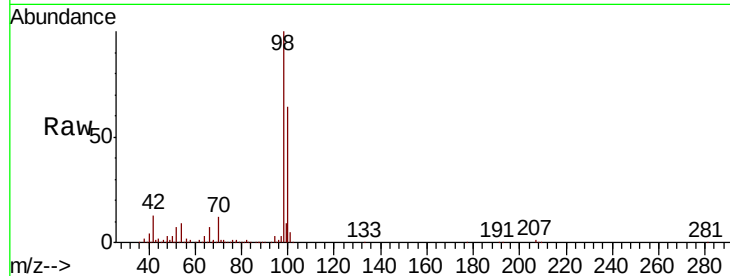
KEARNY-TOPSOIL

Tot Ion: 43 Resp: 4073

Ion Ratio Lower Upper

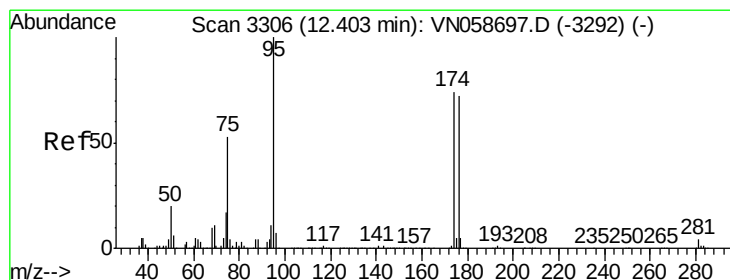
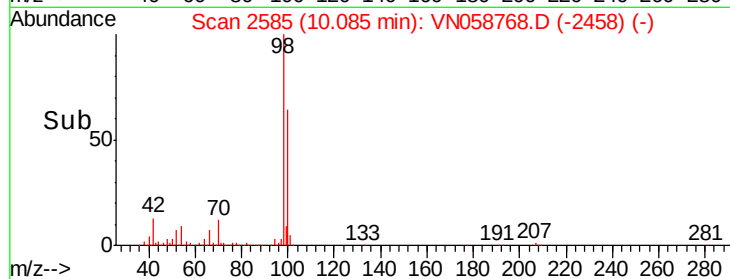
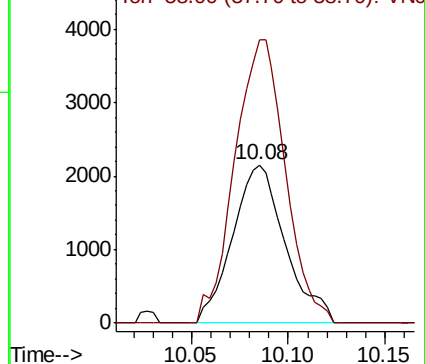
43 100

58 171.8 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 43.199 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058768.D

Acq: 14 Oct 2019 22:48

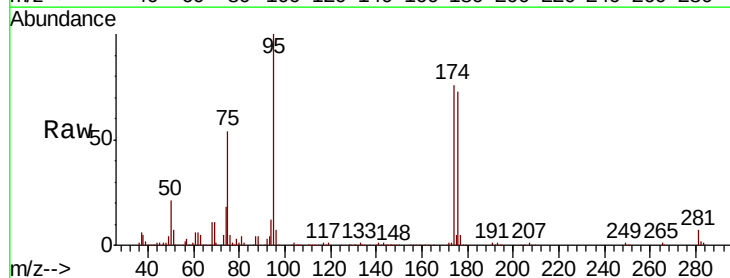
Tgt Ion: 95 Resp: 255171

Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.4

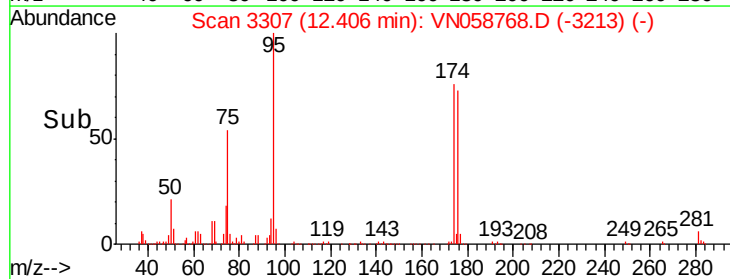
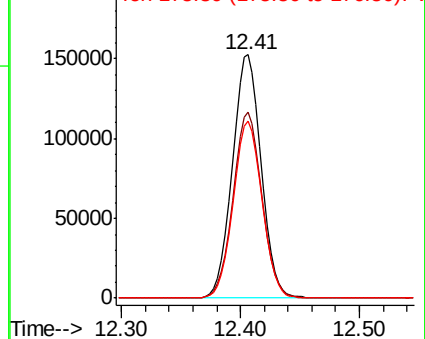
176 73.0 0.0 146.8

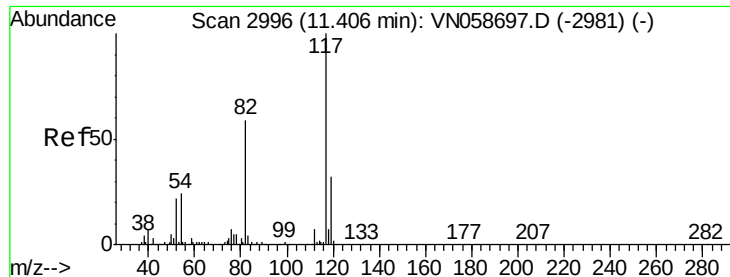


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

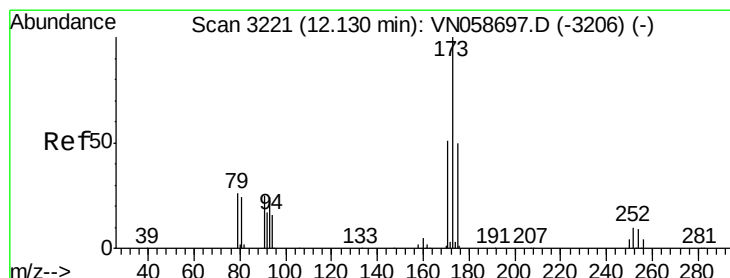
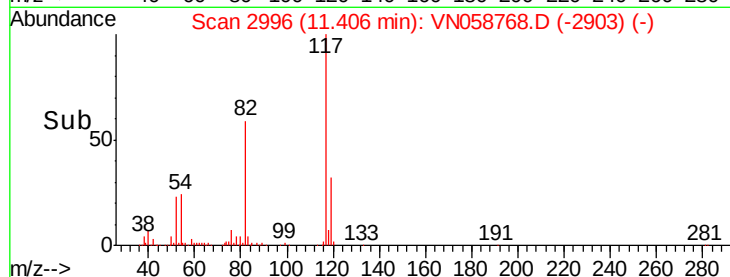
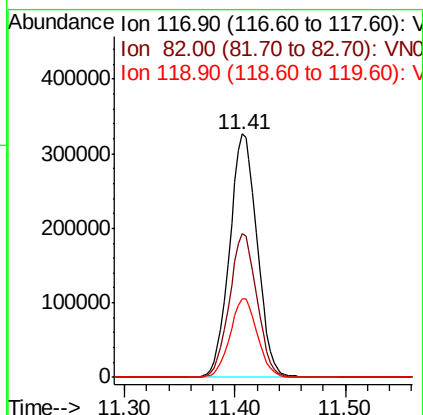
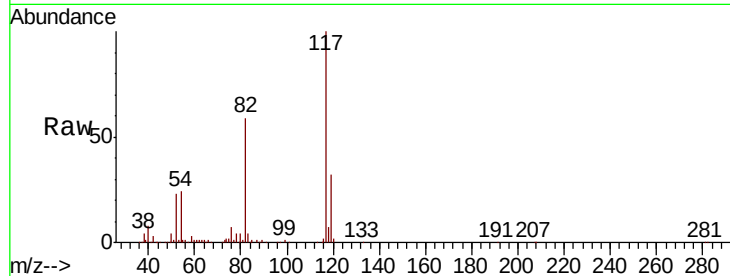




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058768.D
Acq: 14 Oct 2019 22:48

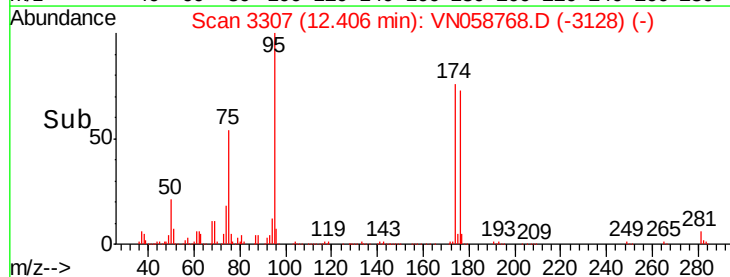
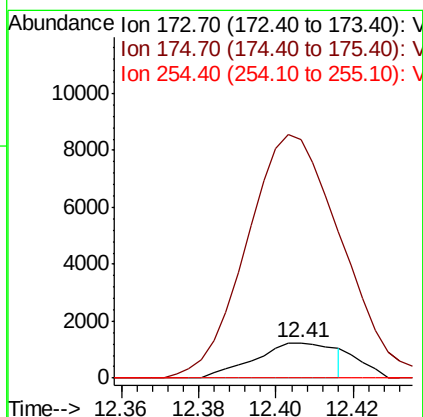
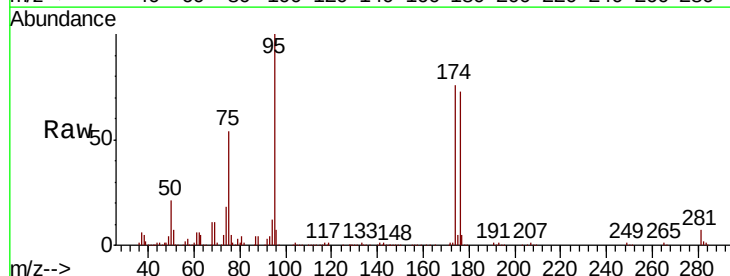
Instrument :
MSVOA_N
ClientSampleId :
KEARNY-TOPSOIL

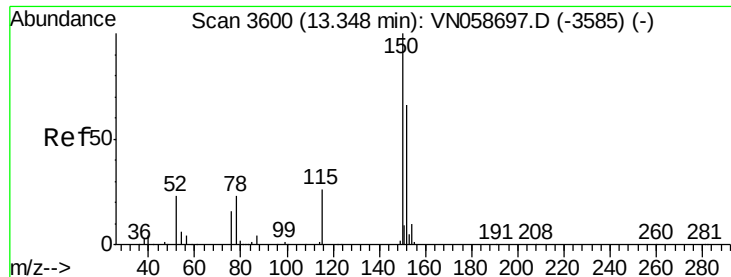
Tot Ion:117 Resp: 566210
Ion Ratio Lower Upper
117 100
82 58.9 47.0 70.4
119 32.0 25.4 38.2



#71
Bromoform
Concen: 0.572 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058768.D
Acq: 14 Oct 2019 22:48

Tgt Ion:173 Resp: 1784
Ion Ratio Lower Upper
173 100
175 702.6 24.6 73.8#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058768.D

Acq: 14 Oct 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

KEARNY-TOPSOIL

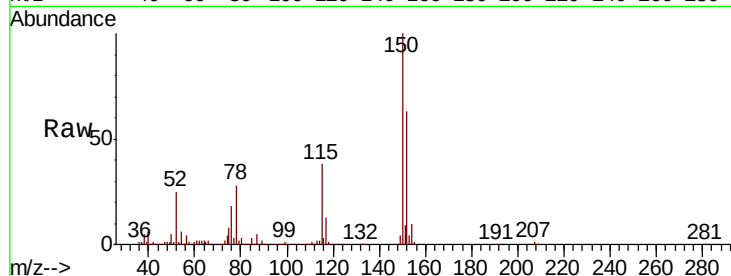
Tot Ion:152 Resp: 237026

Ion Ratio Lower Upper

152 100

115 60.2 30.4 91.2

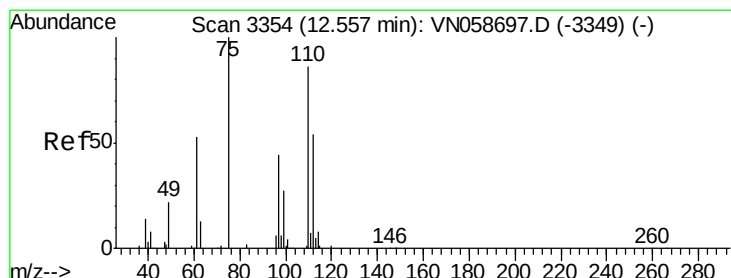
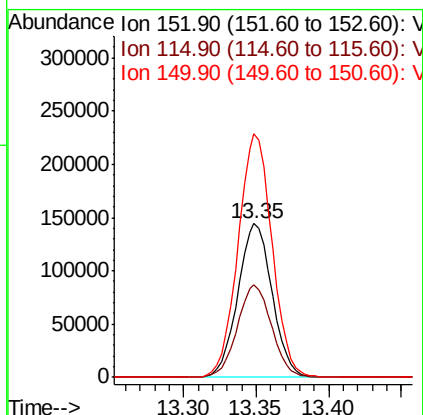
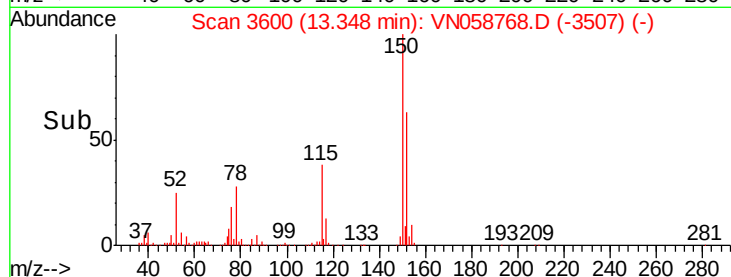
150 157.2 0.0 345.4



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: 26.980 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058768.D

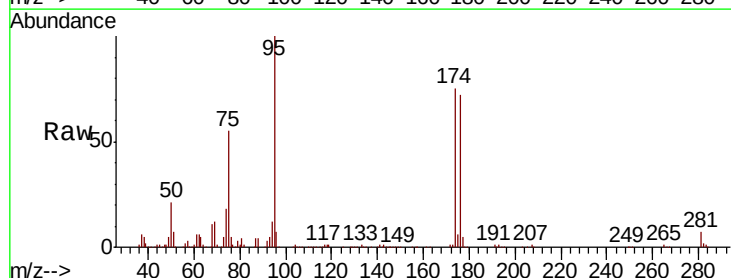
Acq: 14 Oct 2019 22:48

Tgt Ion: 75 Resp: 140291

Ion Ratio Lower Upper

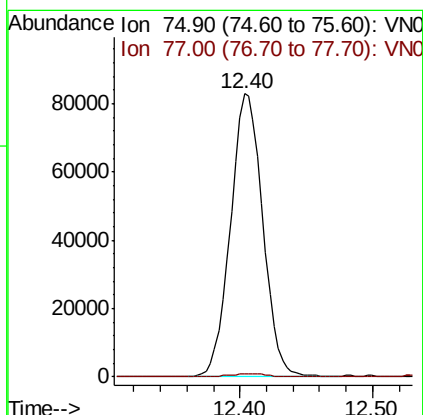
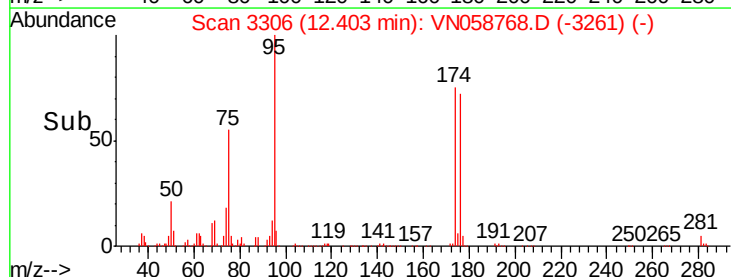
75 100

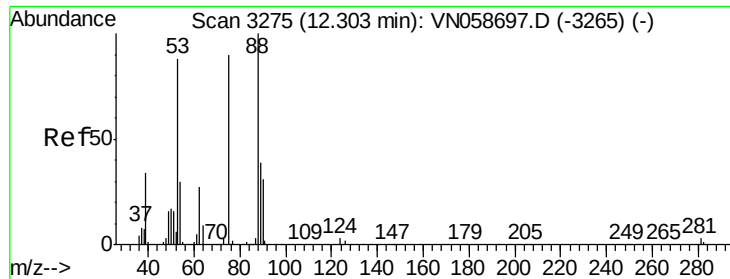
77 1.4 0.0 0.0#



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: 72.271 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058768.D

Acq: 14 Oct 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

KEARNY-TOPSOIL

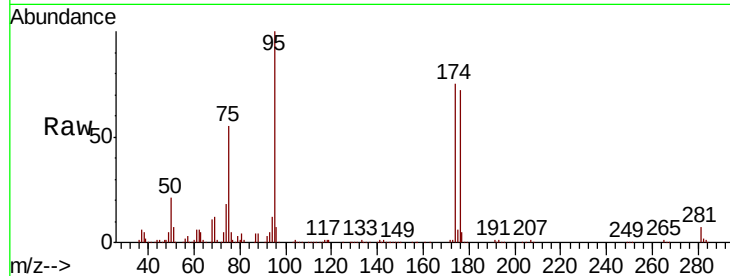
Tot Ion: 75 Resp: 140291

Ion Ratio Lower Upper

75 100

53 0.1 78.4 117.6#

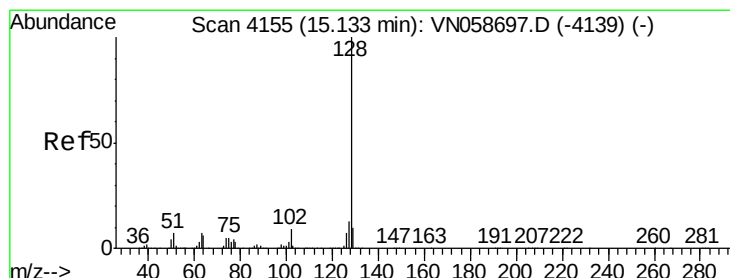
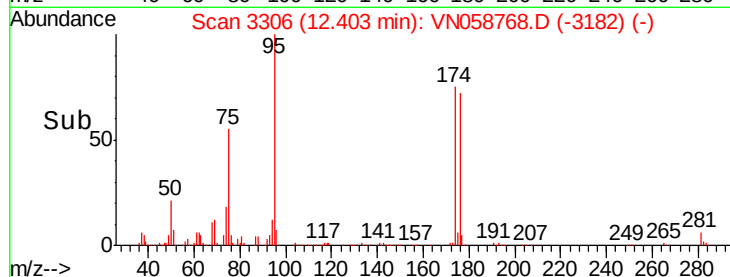
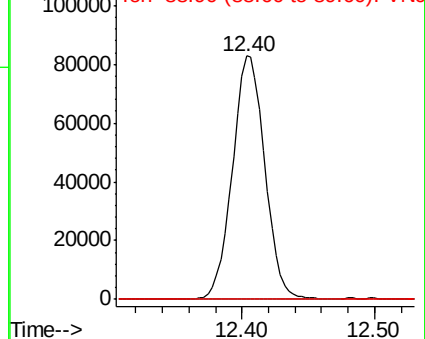
89 0.0 34.9 52.3#



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: 0.271 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058768.D

Acq: 14 Oct 2019 22:48

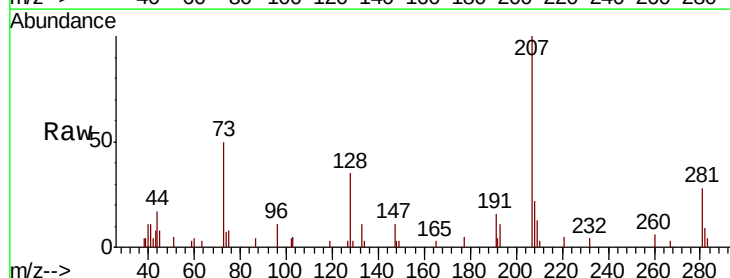
Tgt Ion:128 Resp: 3567

Ion Ratio Lower Upper

128 100

127 3.2 10.2 15.4#

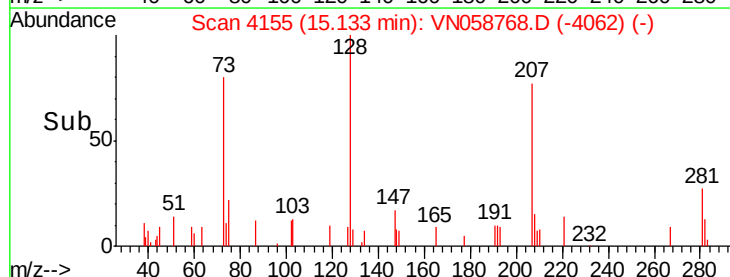
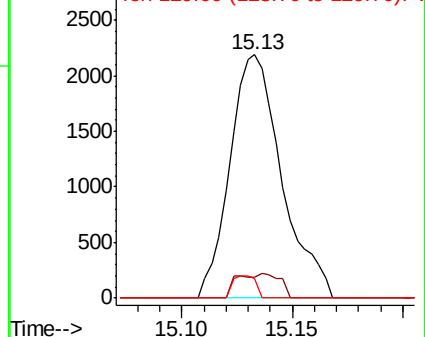
129 4.0 8.5 12.7#

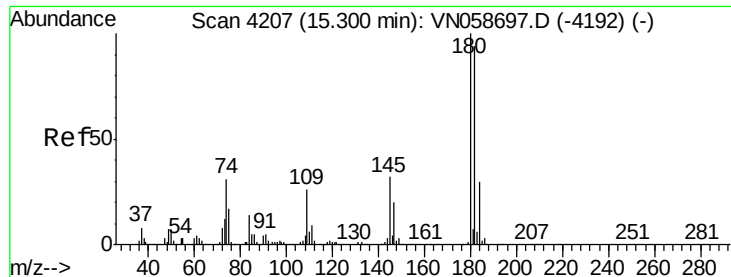


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.255 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058768.D
 Acq: 14 Oct 2019 22:48

Instrument :
 MSVOA_N
 ClientSampleId :
 KEARNY-TOPSOIL

Tot Ion	Ratio	Lower	Upper
180	100		
182	75.1	47.3	142.0
145	22.0	16.2	48.6

