

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW004005.D
 Acq On : 18 Jul 2018 02:09
 Operator : VA/AP
 Sample : J3542-09RE
 Misc : 6.21G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LS-SOIL-3RE

Quant Time: Jul 18 04:53:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	151200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	266939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	194424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	65638	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	116148	68.72	ug/l	0.00
Spiked Amount			Recovery	=	137.44%	
35) Dibromofluoromethane	7.89	113	100544	58.70	ug/l	0.00
Spiked Amount			Recovery	=	117.40%	
50) Toluene-d8	10.33	98	208245	31.33	ug/l	0.00
Spiked Amount			Recovery	=	62.66%	
62) 4-Bromofluorobenzene	12.62	95	70123	29.26	ug/l	0.00
Spiked Amount			Recovery	=	58.52%	

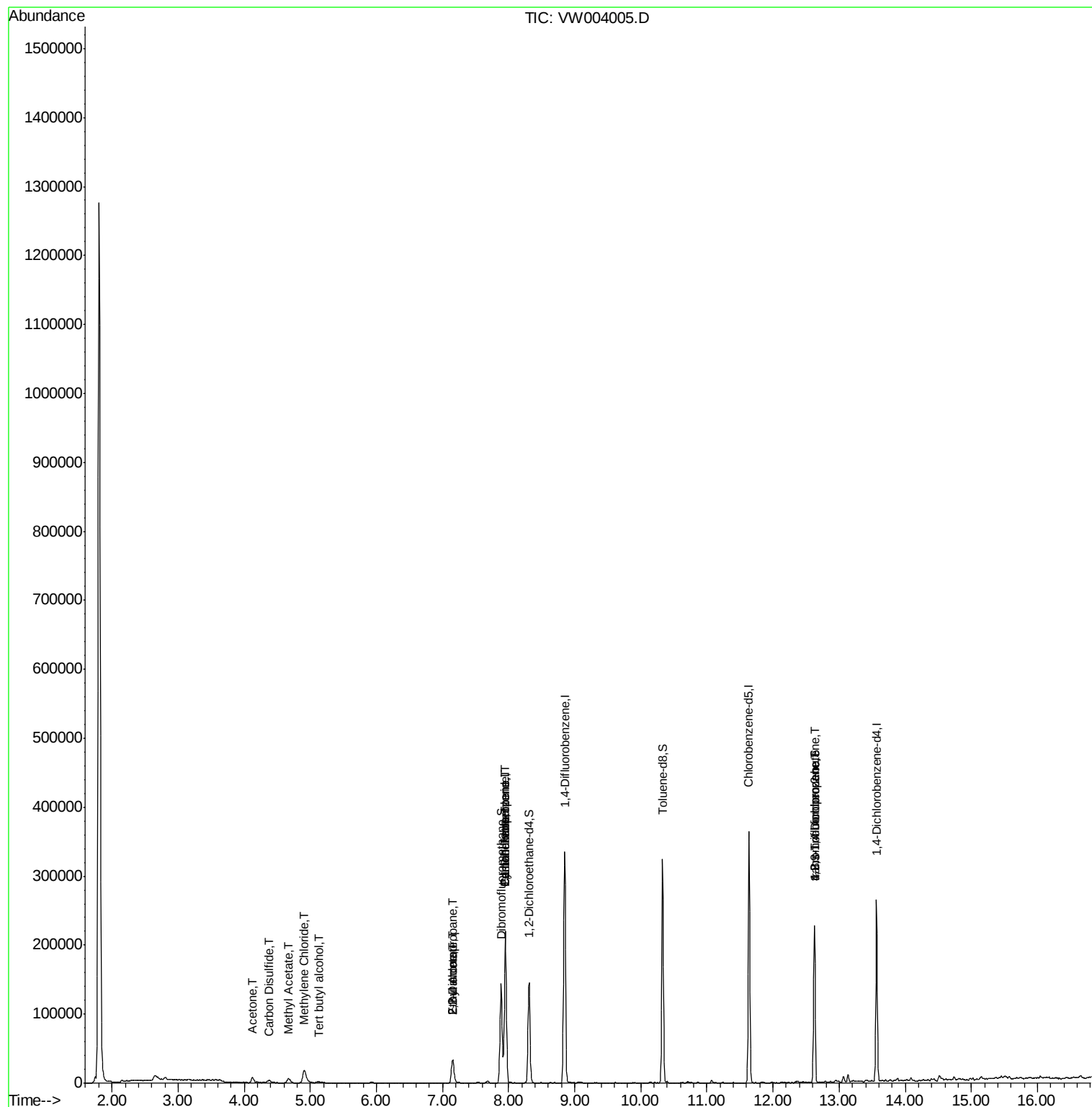
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1403	12.025	ug/l #	72
16) Acetone	4.12	43	13566	33.403	ug/l	95
17) Carbon Disulfide	4.37	76	8564	1.867	ug/l	96
18) Methyl Acetate	4.67	43	12474	12.795	ug/l	99
20) Methylene Chloride	4.91	84	15795	1.126	ug/l	96
25) 2-Butanone	7.15	43	2465	4.510	ug/l #	89
26) 2,2-Dichloropropane	7.15	77	2213	1.289	ug/l #	52
31) Cyclohexane	7.95	56	3930	1.402	ug/l #	4
36) 1,1-Dichloropropene	7.95	75	13251	4.825	ug/l #	50
37) Ethyl Acetate	7.15	43	2465	1.861	ug/l #	1
38) Carbon Tetrachloride	7.95	117	15671	6.107	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	37617	57.727	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	37617	127.691	ug/l #	11

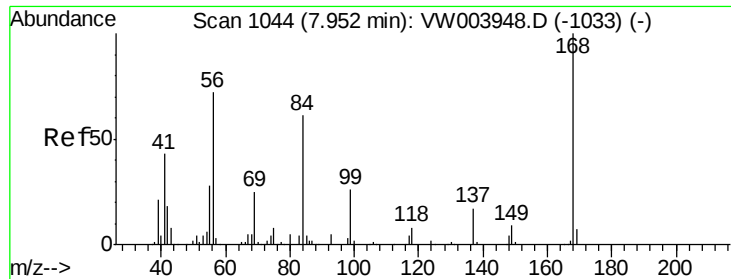
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004005.D

Acq: 18 Jul 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

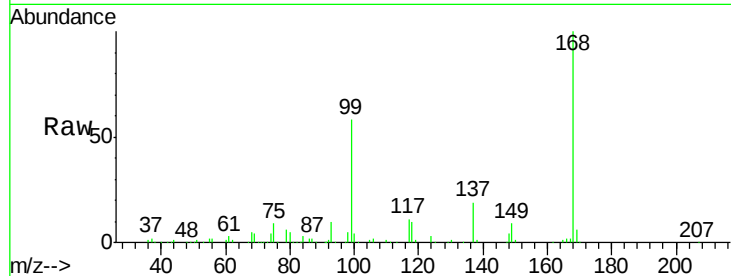
LS-SOIL-3RE

Tot Ion:168 Resp: 151200

Ion Ratio Lower Upper

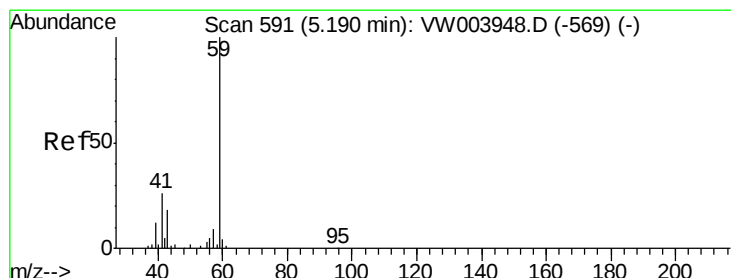
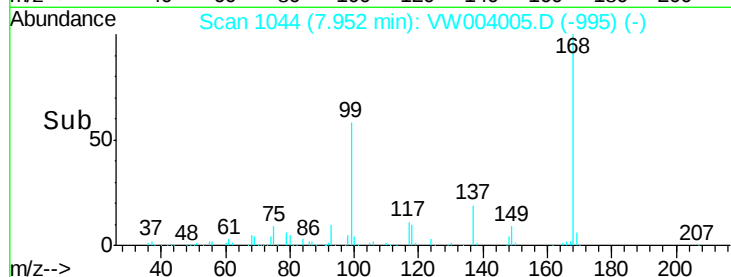
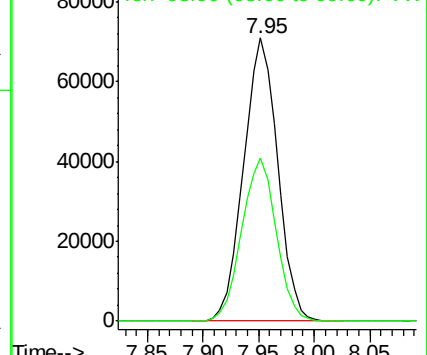
168 100

99 57.6 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 12.025 ug/l

RT: 5.12 min Scan# 580

Delta R.T. -0.07 min

Lab File: VW004005.D

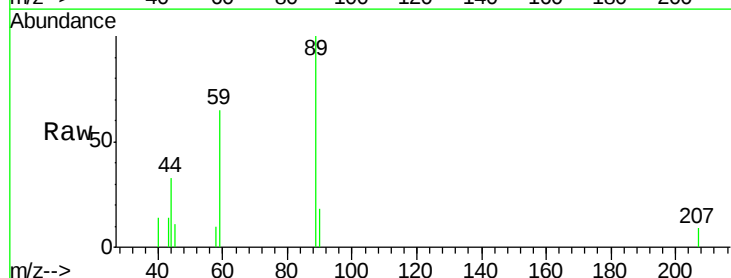
Acq: 18 Jul 2018 02:09

Tgt Ion: 59 Resp: 1403

Ion Ratio Lower Upper

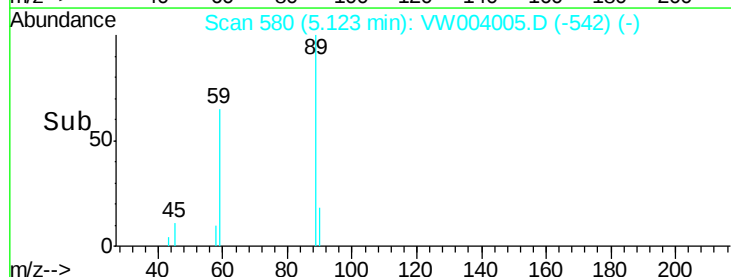
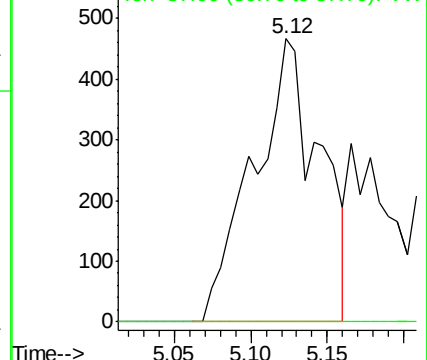
59 100

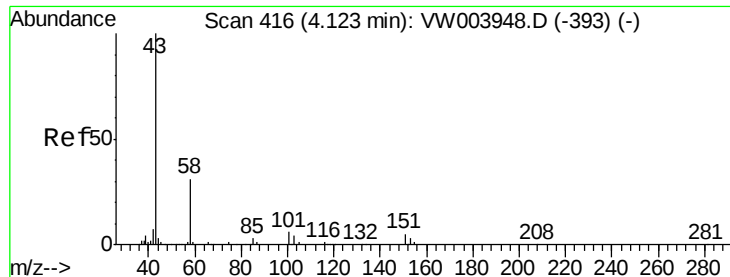
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 33.403 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW004005.D

Acq: 18 Jul 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

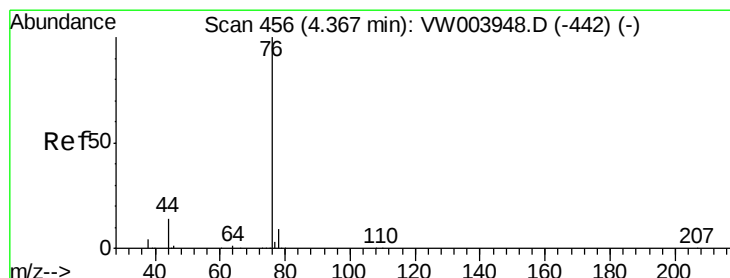
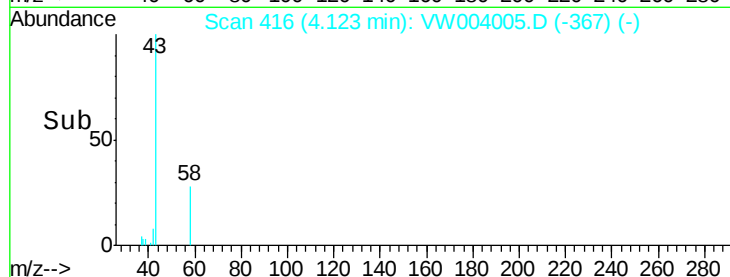
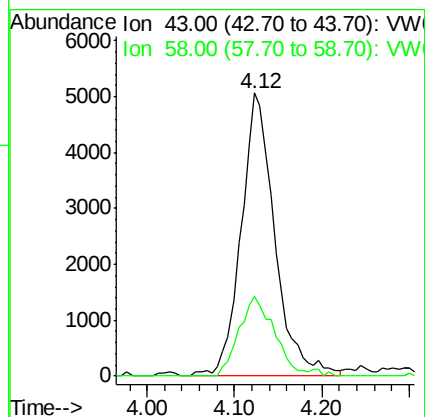
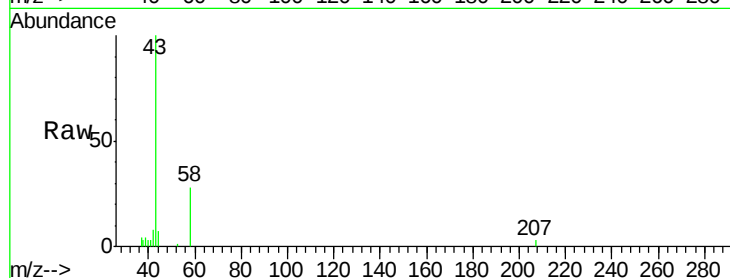
LS-SOIL-3RE

Tot Ion: 43 Resp: 13566

Ion Ratio Lower Upper

43 100

58 28.1 24.5 36.7



#17

Carbon Disulfide

Concen: 1.867 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW004005.D

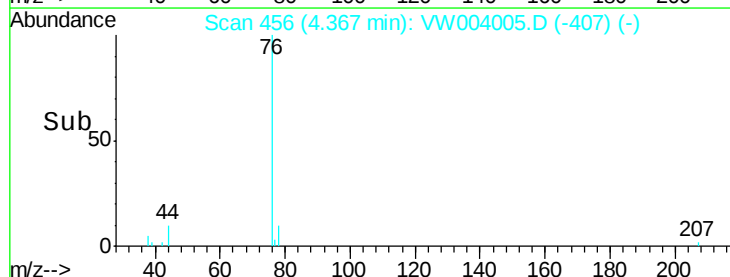
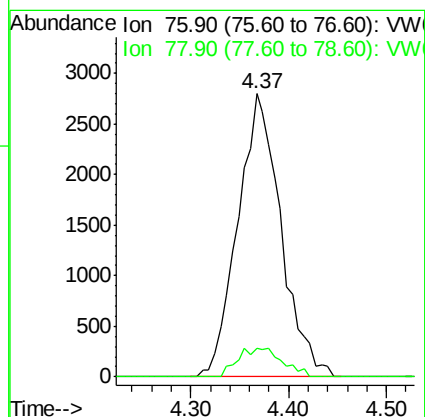
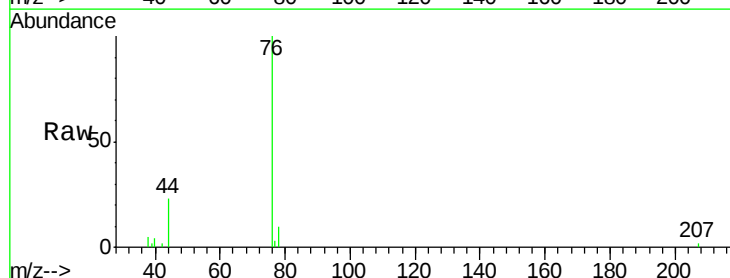
Acq: 18 Jul 2018 02:09

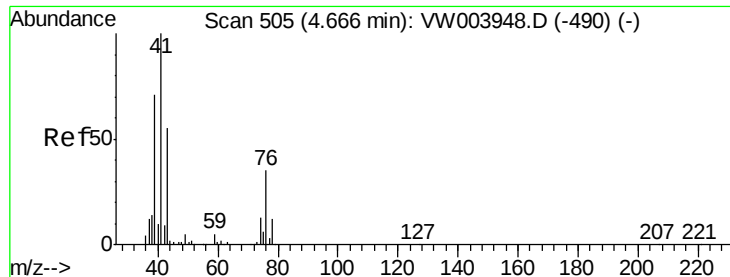
Tgt Ion: 76 Resp: 8564

Ion Ratio Lower Upper

76 100

78 10.3 7.1 10.7

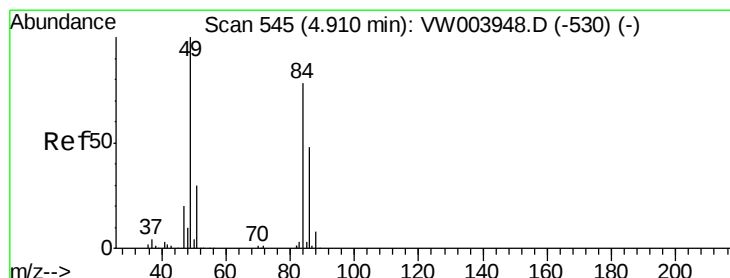
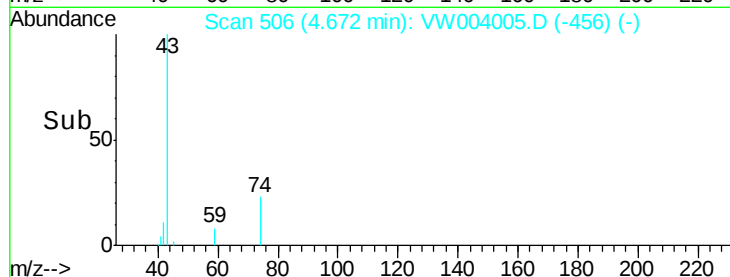
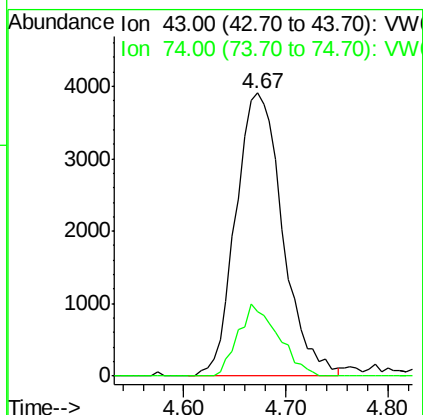
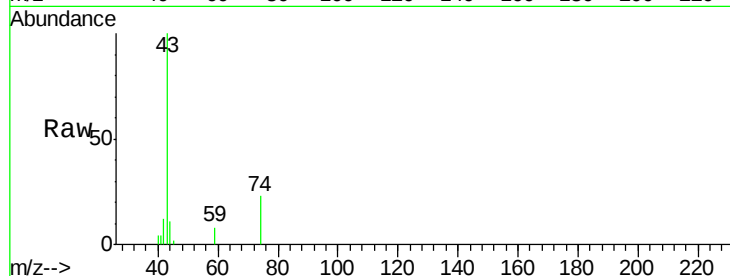




#18
Methvl Acetate
Concen: 12.795 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW004005.D
Acq: 18 Jul 2018 02:09

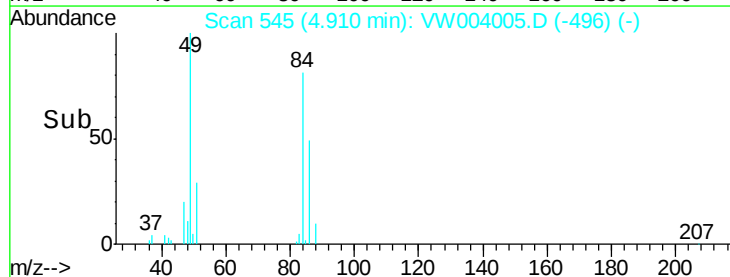
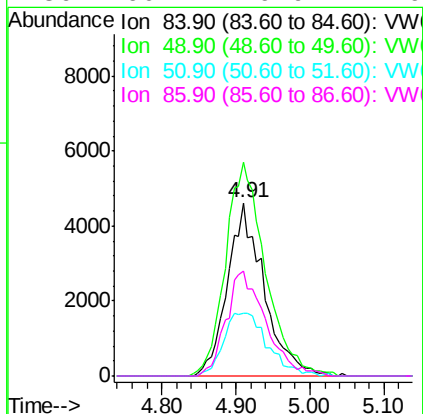
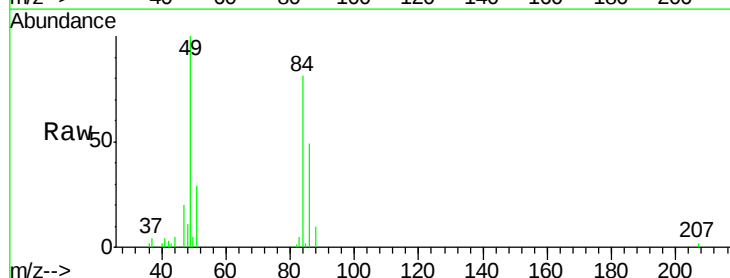
Instrument :
MSVOA_W
ClientSampleId :
LS-SOIL-3RE

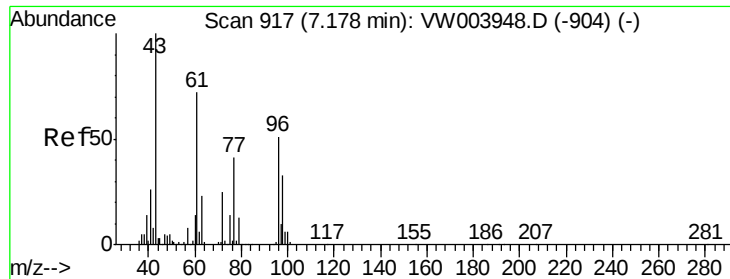
Tot Ion: 43 Resp: 12474
Ion Ratio Lower Upper
43 100
74 21.8 17.7 26.5



#20
Methylene Chloride
Concen: 1.126 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004005.D
Acq: 18 Jul 2018 02:09

Tgt Ion: 84 Resp: 15795
Ion Ratio Lower Upper
84 100
49 123.5 102.9 154.3
51 36.2 30.9 46.3
86 60.7 49.9 74.9





#25

2-Butanone

Concen: 4.510 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.03 min

Lab File: VW004005.D

Acq: 18 Jul 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

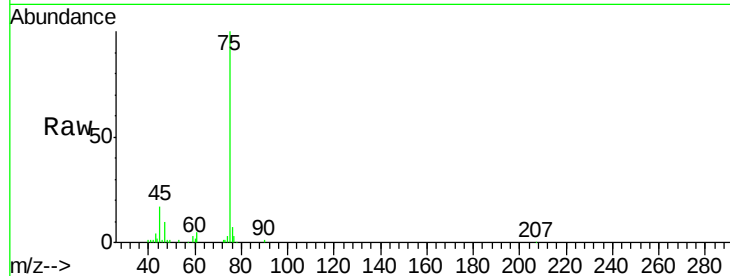
LS-SOIL-3RE

Tot Ion: 43 Resp: 2465

Ion Ratio Lower Upper

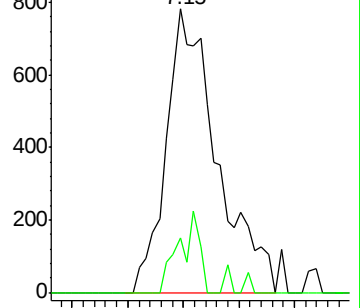
43 100

72 19.1 19.8 29.6#

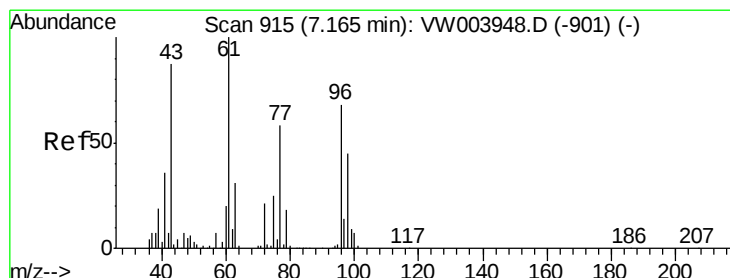
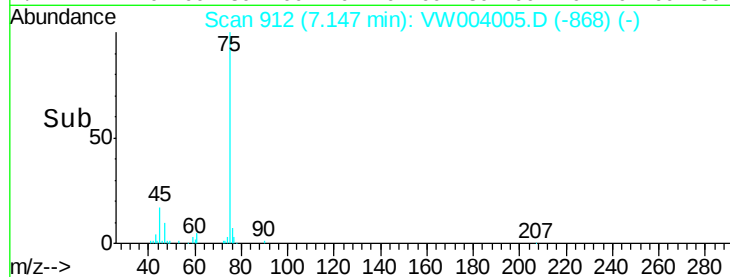


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#26

2,2-Dichloropropane

Concen: 1.289 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW004005.D

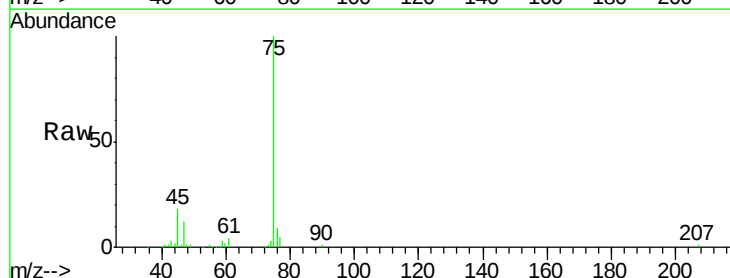
Acq: 18 Jul 2018 02:09

Tgt Ion: 77 Resp: 2213

Ion Ratio Lower Upper

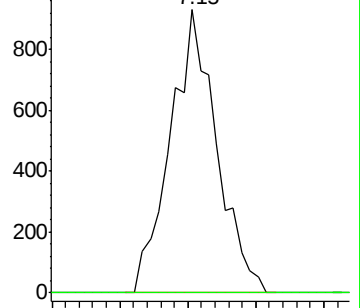
77 100

97 0.0 11.8 35.3#

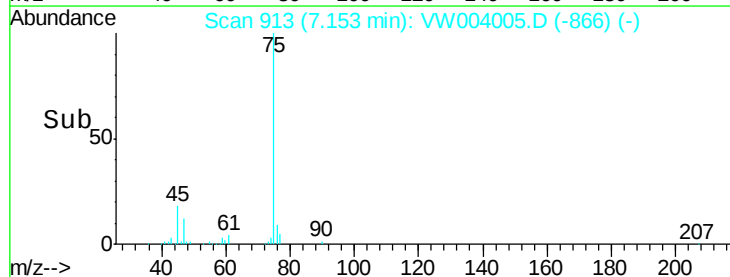


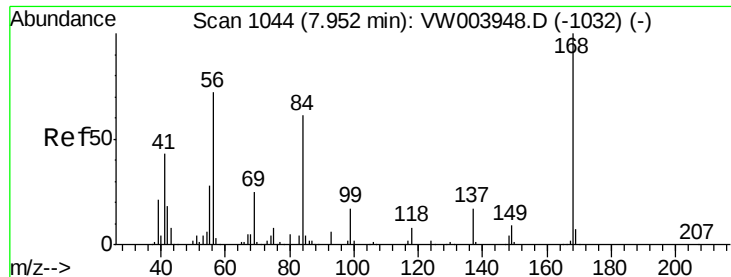
Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->





#31

Cyclohexane

Concen: 1.402 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW004005.D

Acq: 18 Jul 2018 02:09

Instrument :

MSVOA_W

ClientSampled :

LS-SOIL-3RE

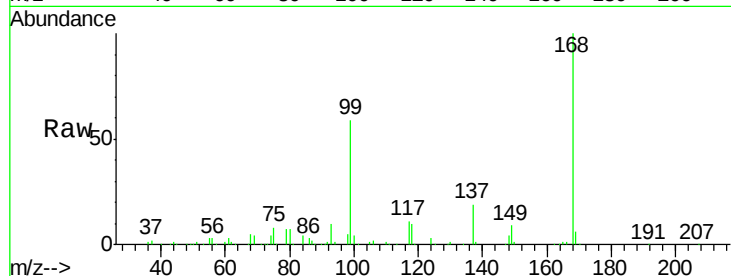
Tot Ion: 56 Resp: 3930

Ion Ratio Lower Upper

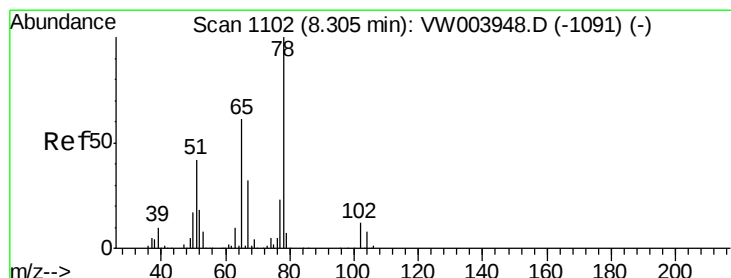
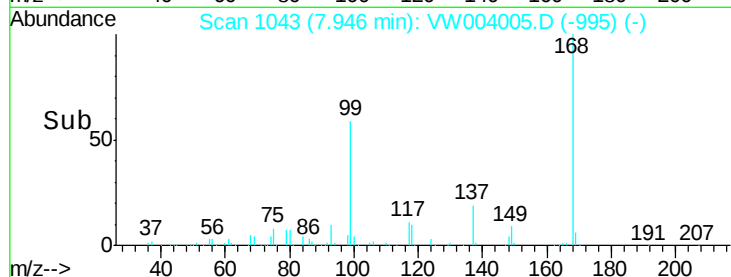
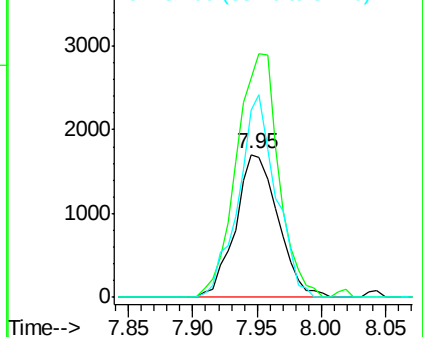
56 100

69 153.0 27.8 41.8#

84 130.7 67.2 100.8#



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



#33

1,2-Dichloroethane-d4

Concen: 68.722 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW004005.D

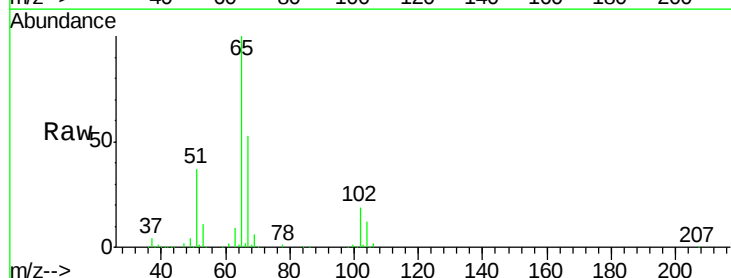
Acq: 18 Jul 2018 02:09

Tgt Ion: 65 Resp: 116148

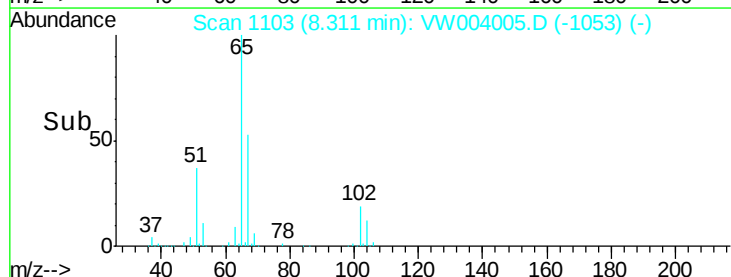
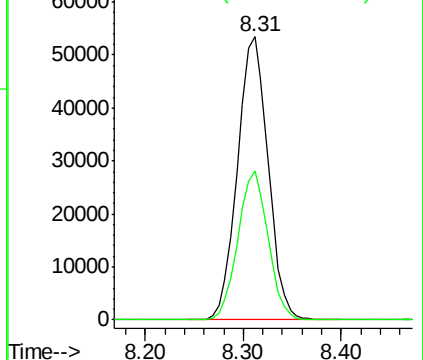
Ion Ratio Lower Upper

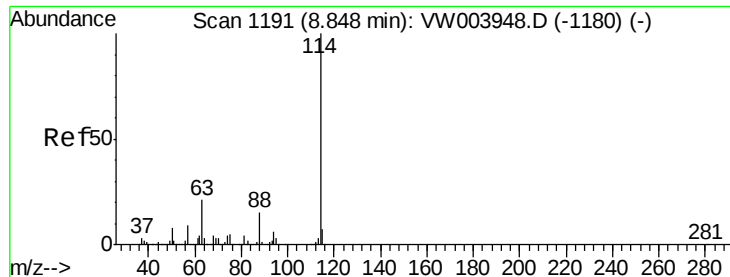
65 100

67 51.7 0.0 105.0



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

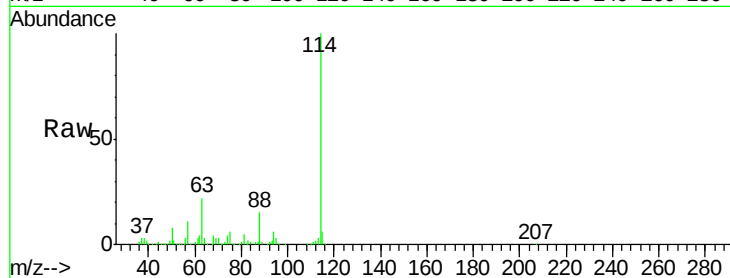




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VW004005.D
Acq: 18 Jul 2018 02:09

Instrument :
MSVOA_W
ClientSampleId :
LS-SOIL-3RE

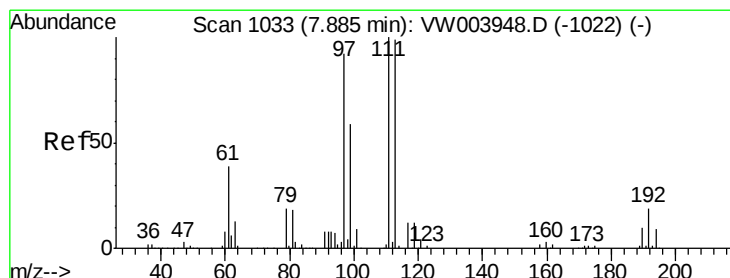
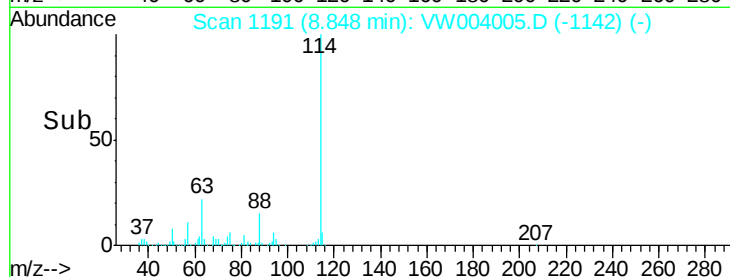
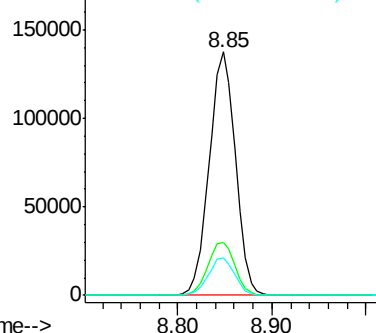
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	42.8
88	15.2	0.0	30.4



Abundance Ion 113.90 (113.60 to 114.60): V

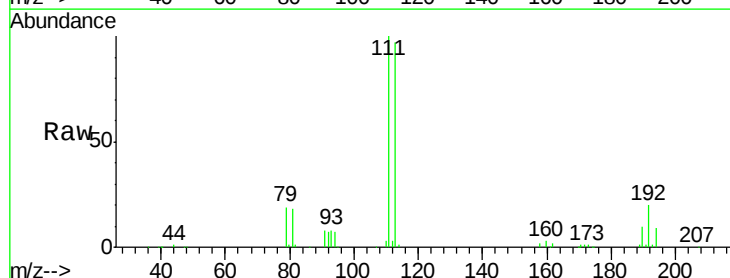
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
Dibromofluoromethane
Concen: 58.703 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. 0.01 min
Lab File: VW004005.D
Acq: 18 Jul 2018 02:09

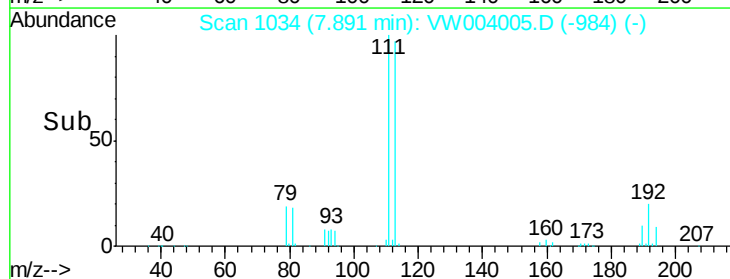
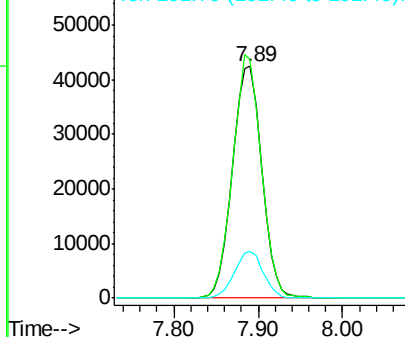
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.3	121.9
192	19.6	15.8	23.6

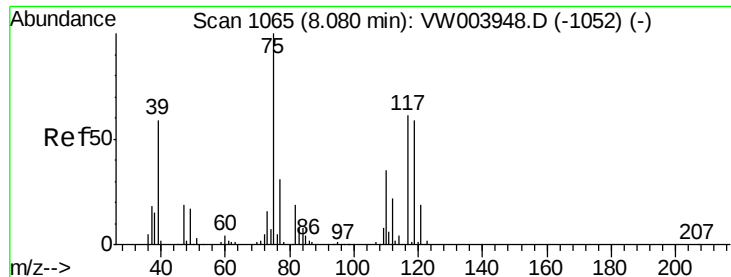


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.825 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004005.D

Acq: 18 Jul 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

LS-SOIL-3RE

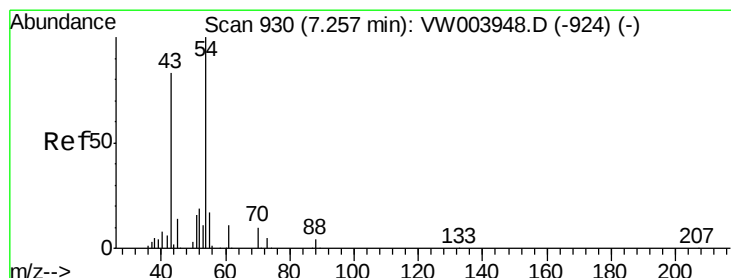
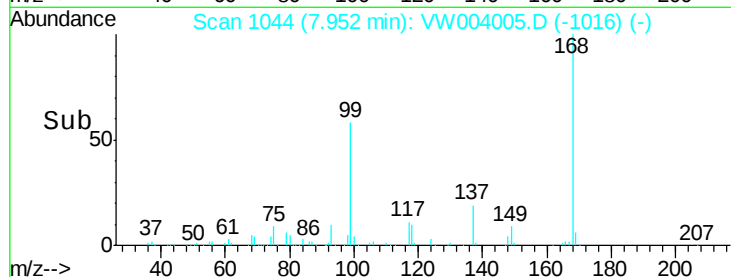
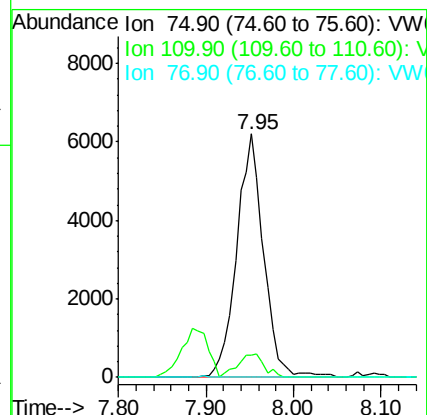
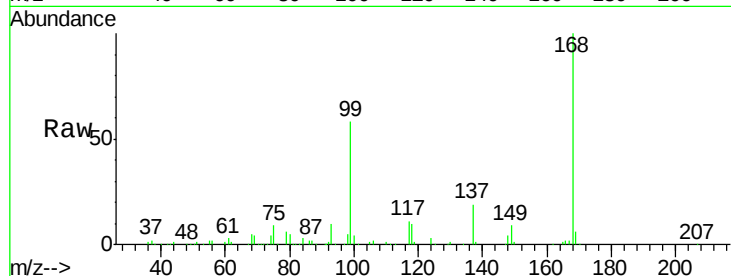
Tot Ion: 75 Resp: 13251

Ion Ratio Lower Upper

75 100

110 9.3 17.0 51.0#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 1.861 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.11 min

Lab File: VW004005.D

Acq: 18 Jul 2018 02:09

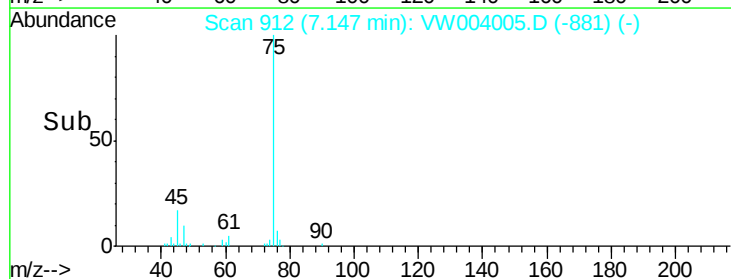
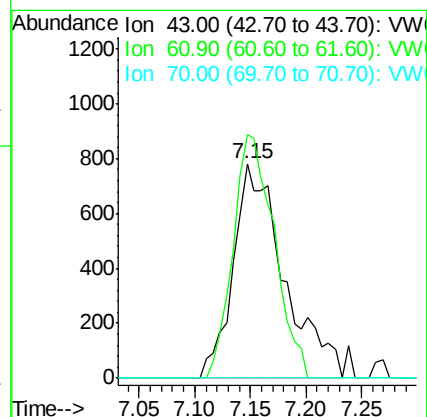
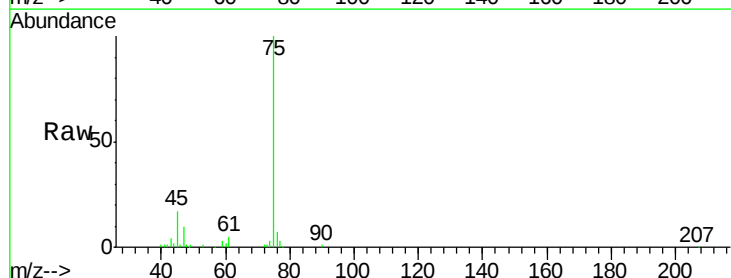
Tgt Ion: 43 Resp: 2465

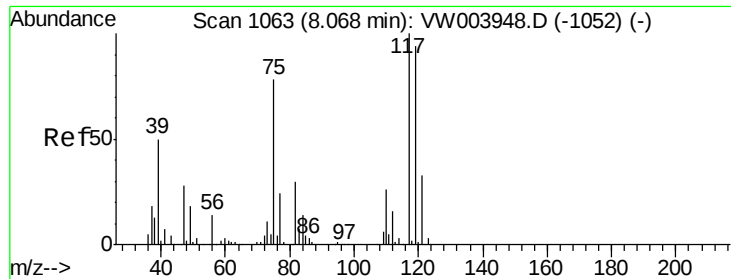
Ion Ratio Lower Upper

43 100

61 92.1 10.7 16.1#

70 0.0 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 6.107 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004005.D

Acq: 18 Jul 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

LS-SOIL-3RE

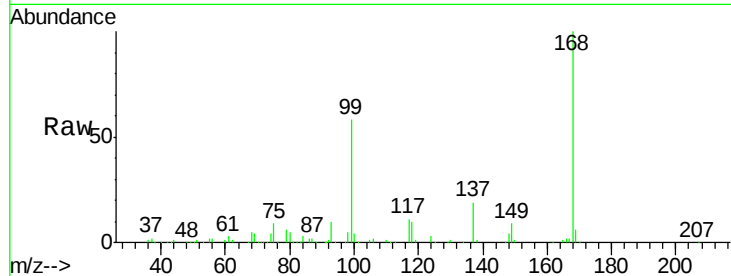
Tot Ion:117 Resp: 15671

Ion Ratio Lower Upper

117 100

119 4.9 75.3 112.9#

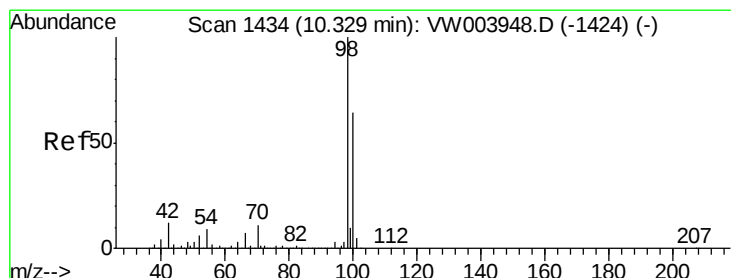
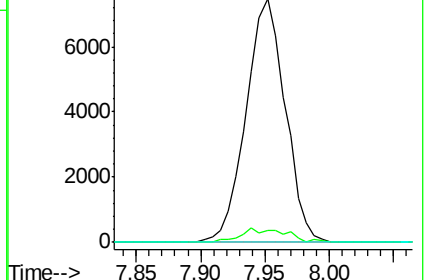
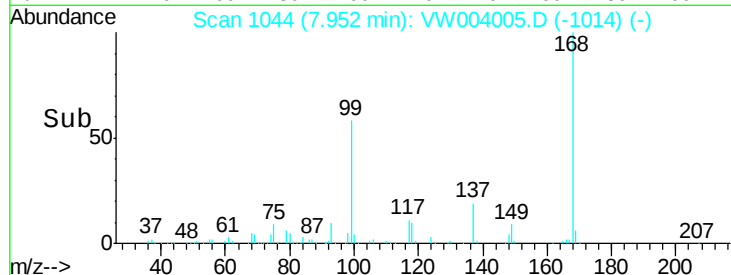
121 0.0 26.0 39.0#



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: 31.335 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004005.D

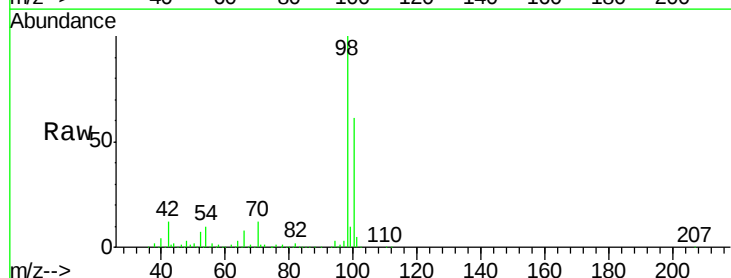
Acq: 18 Jul 2018 02:09

Tgt Ion: 98 Resp: 208245

Ion Ratio Lower Upper

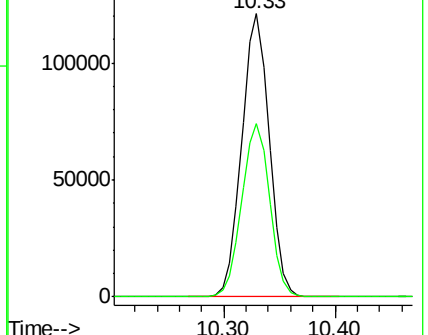
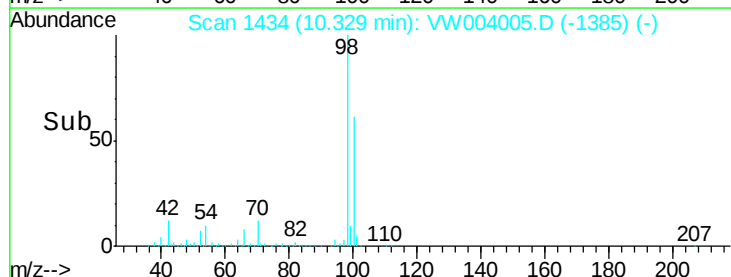
98 100

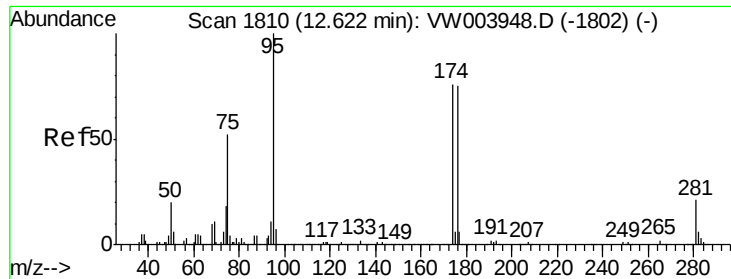
100 61.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

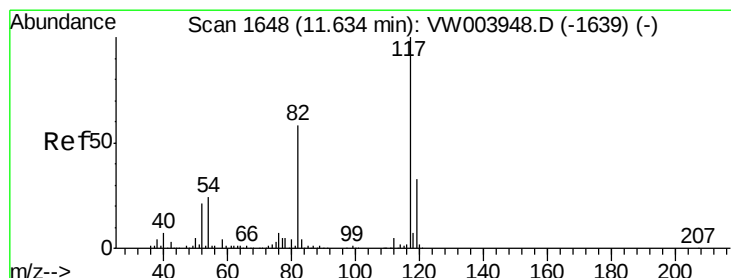
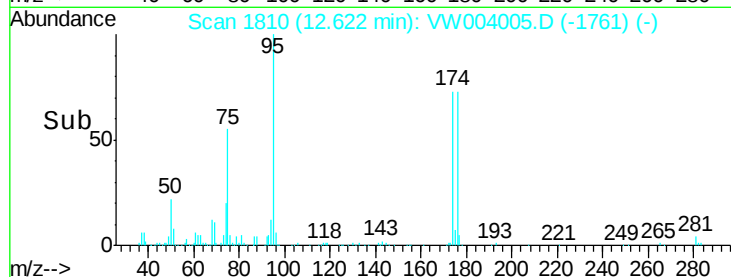
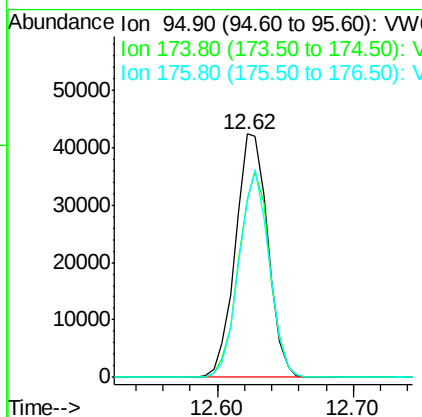
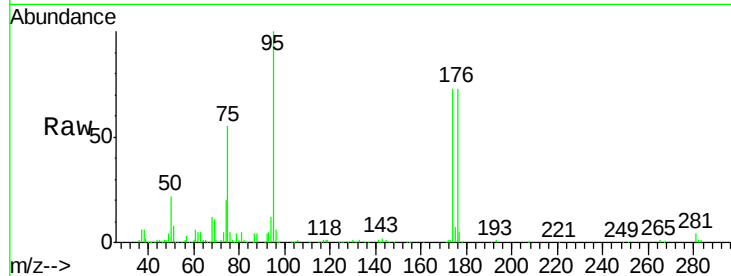




#62
4-Bromofluorobenzene
Concen: 29.261 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004005.D
Acq: 18 Jul 2018 02:09

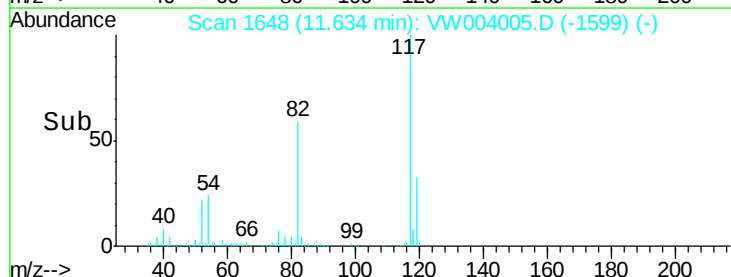
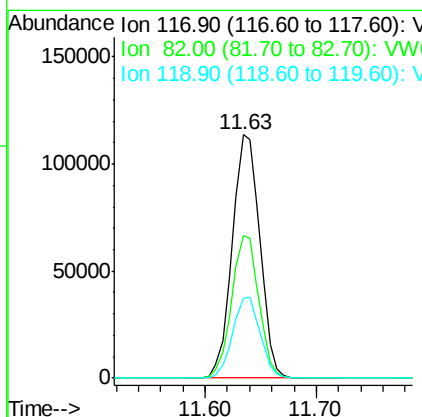
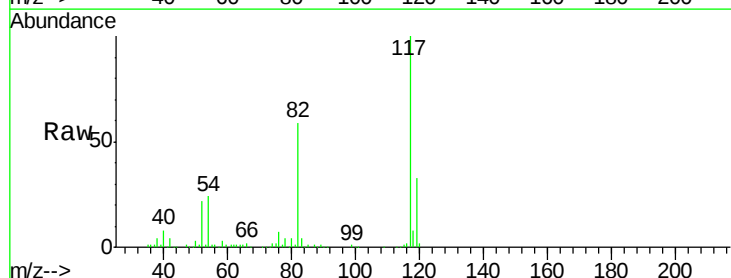
Instrument :
MSVOA_W
ClientSampled :
LS-SOIL-3RE

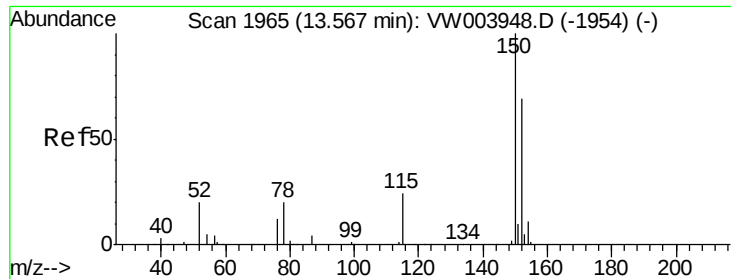
Tot Ion: 95 Resp: 70123
Ion Ratio Lower Upper
95 100
174 81.5 0.0 160.2
176 79.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004005.D
Acq: 18 Jul 2018 02:09

Tgt Ion: 117 Resp: 194424
Ion Ratio Lower Upper
117 100
82 58.7 46.5 69.7
119 32.8 26.2 39.2



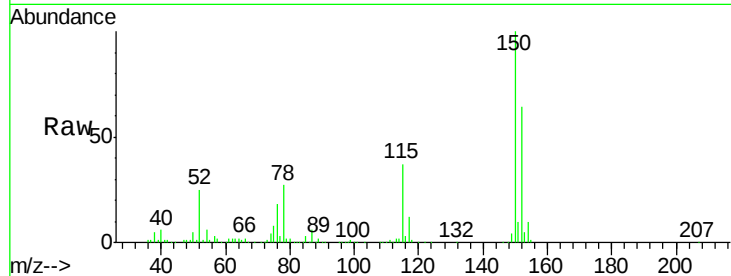


#72

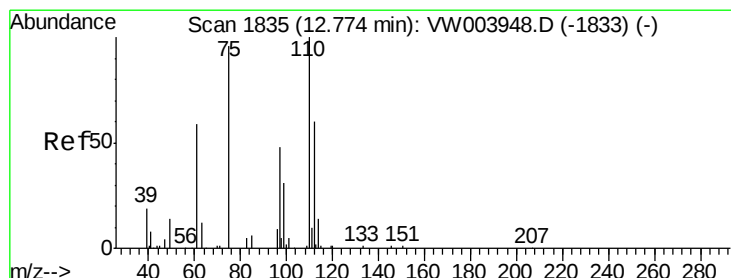
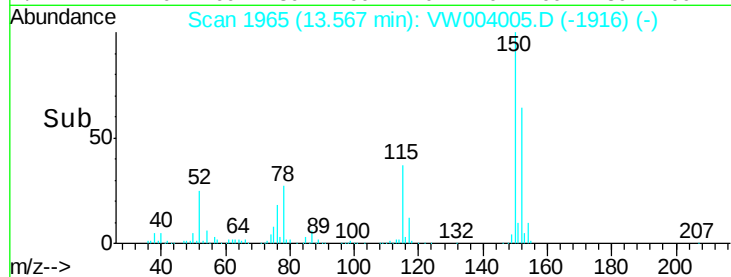
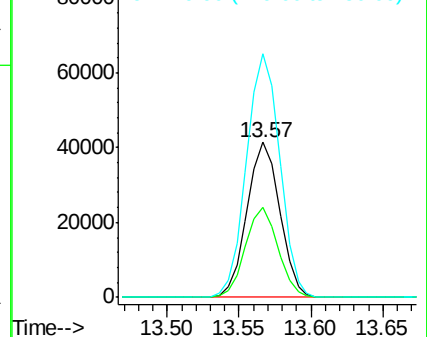
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004005.D
Acq: 18 Jul 2018 02:09

Instrument :
MSVOA_W
ClientSampleId :
LS-SOIL-3RE

Tot Ion:152 Resp: 65638
Ion Ratio Lower Upper
152 100
115 57.2 29.2 87.6
150 158.6 0.0 345.2



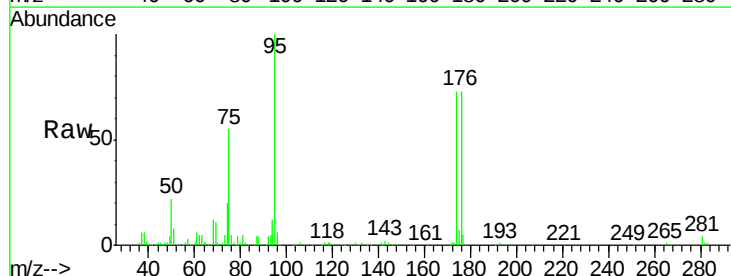
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



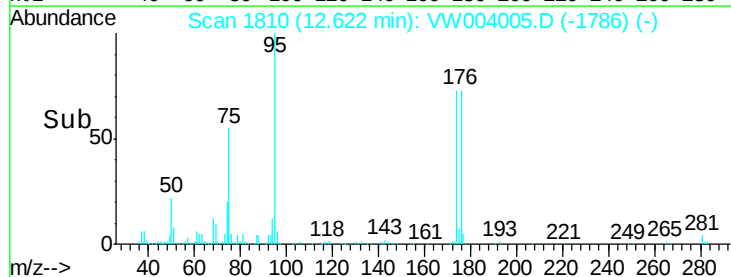
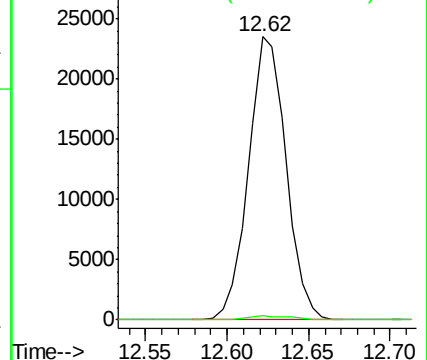
#76

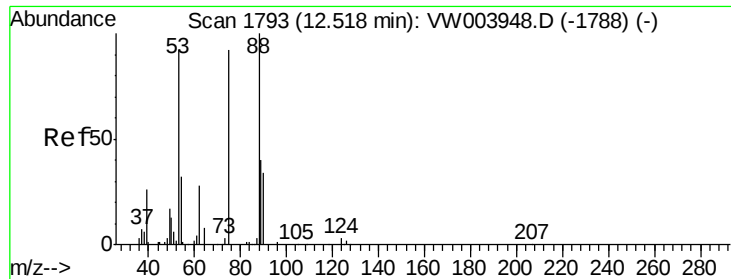
1,2,3-Trichloropropane
Concen: 57.727 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004005.D
Acq: 18 Jul 2018 02:09

Tgt Ion: 75 Resp: 37617
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 127.691 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004005.D

Acq: 18 Jul 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

LS-SOIL-3RE

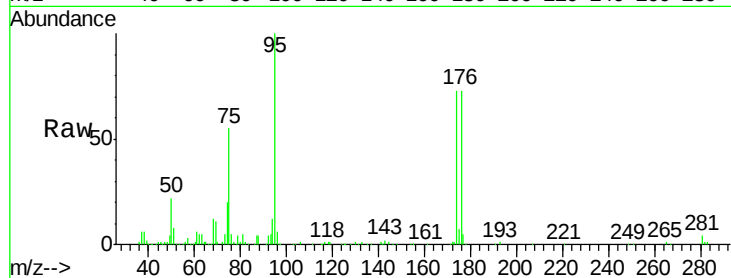
Tot Ion: 75 Resp: 37617

Ion Ratio Lower Upper

75 100

53 0.5 77.6 116.4#

89 0.0 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

