

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062970.D
 Acq On : 28 Jun 2019 17:09
 Operator : VA/AP
 Sample : K3573-01
 Misc : 6.07g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SR-SOIL-COMP-1

Quant Time: Jun 29 00:15:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	770116	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	1045727	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	825040	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	435976	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	434978	51.96	ug/l	-0.03
Spiked Amount			Recovery	=	103.92%	
35) Dibromofluoromethane	6.90	113	486080	55.13	ug/l	-0.03
Spiked Amount			Recovery	=	110.26%	
50) Toluene-d8	10.39	98	971794	50.64	ug/l	-0.02
Spiked Amount			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	13.54	95	428631	49.12	ug/l	-0.01
Spiked Amount			Recovery	=	98.24%	

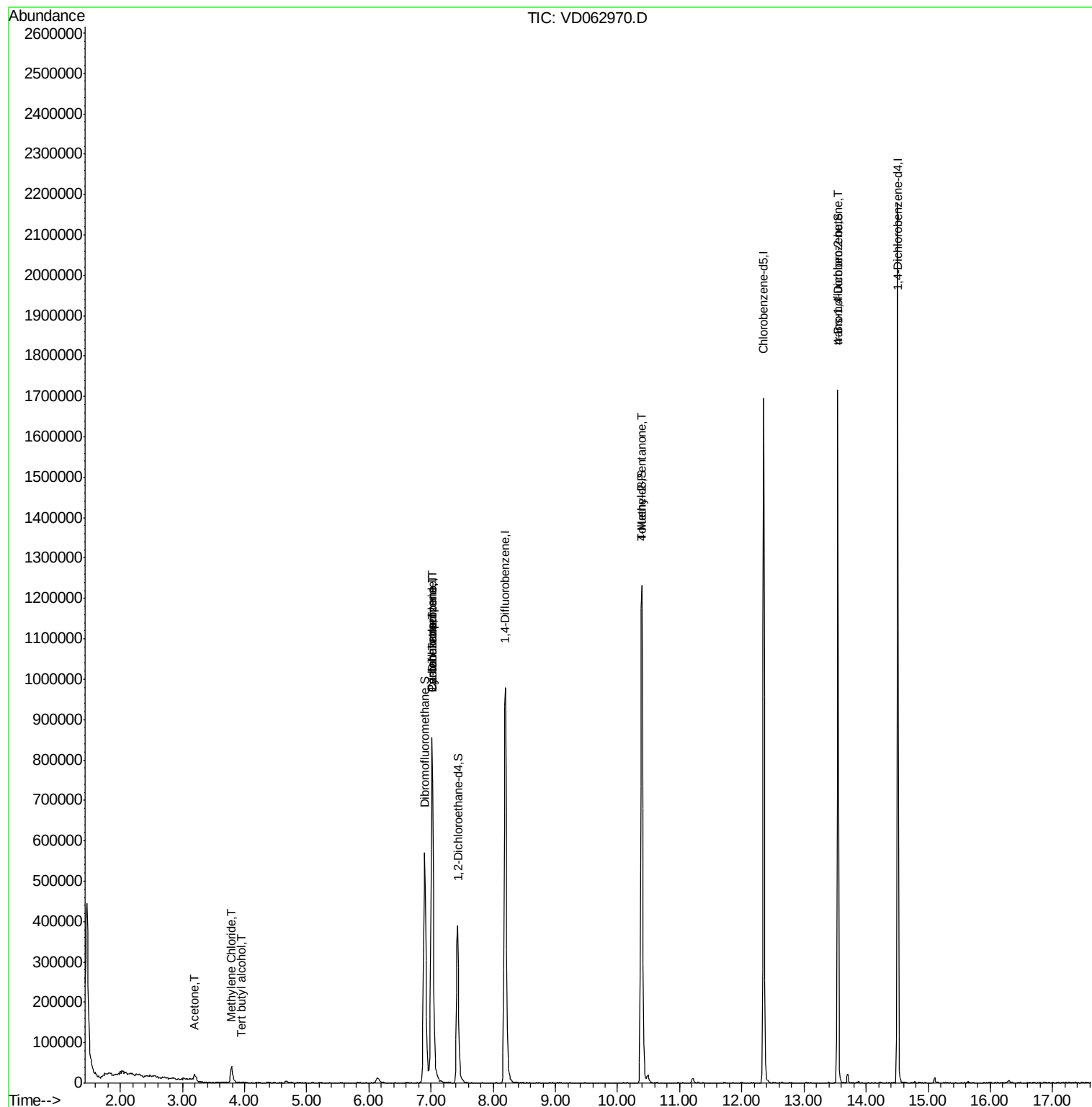
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.95	59	1162	3.048	ug/l #	77
16) Acetone	3.21	43	40154	17.138	ug/l	97
20) Methylene Chloride	3.80	84	24740	3.875	ug/l	92
31) Cyclohexane	7.03	56	19128	2.433	ug/l #	14
36) 1,1-Dichloropropene	7.02	75	60295	6.091	ug/l #	52
37) Ethyl Acetate	6.16	43	727	Below Cal	#	69
38) Carbon Tetrachloride	7.02	117	77413	5.200	ug/l #	16
51) 4-Methyl-2-Pentanone	10.38	43	5465	1.485	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	204059	154.698	ug/l #	2

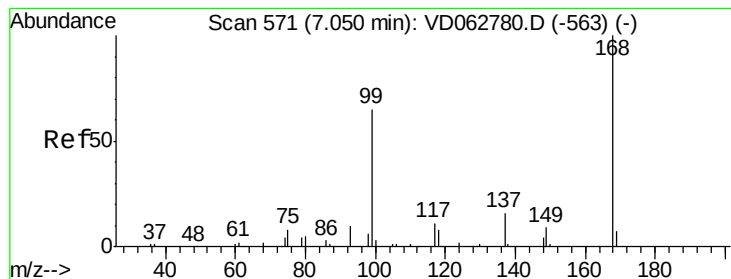
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062970.D

Acq: 28 Jun 2019 17:09

Instrument :

MSVOA_D

ClientSampleId :

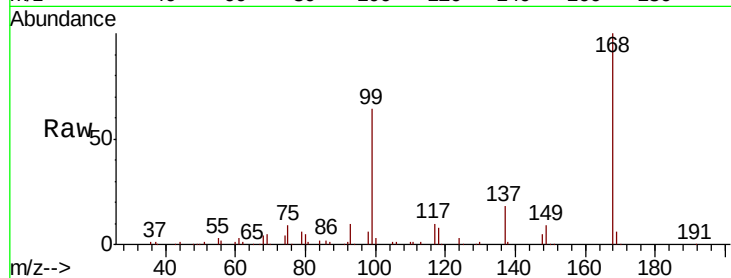
SR-SOIL-COMP-1

Tot Ion:168 Resp: 770116

Ion Ratio Lower Upper

168 100

99 64.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.02

300000

250000

200000

150000

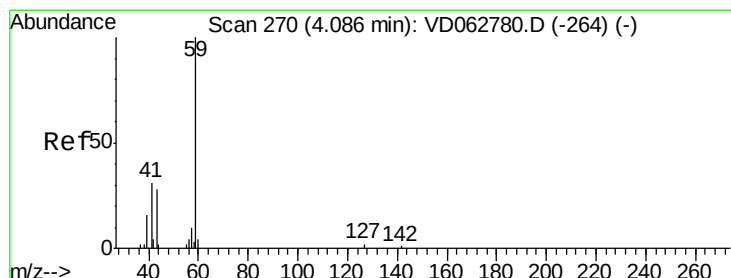
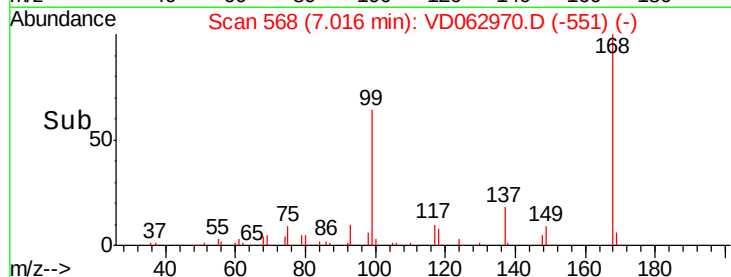
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 3.048 ug/l

RT: 3.95 min Scan# 257

Delta R.T. -0.13 min

Lab File: VD062970.D

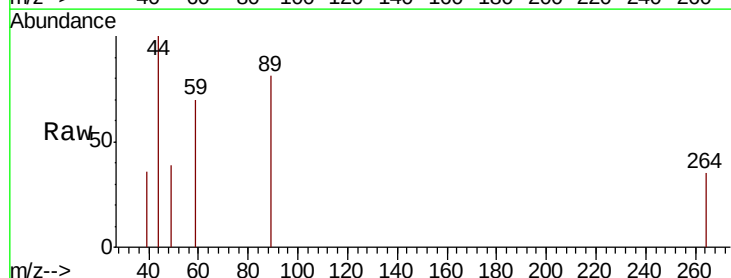
Acq: 28 Jun 2019 17:09

Tgt Ion: 59 Resp: 1162

Ion Ratio Lower Upper

59 100

57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): V

Ion 56.95 (56.65 to 57.65): V

3.95

600

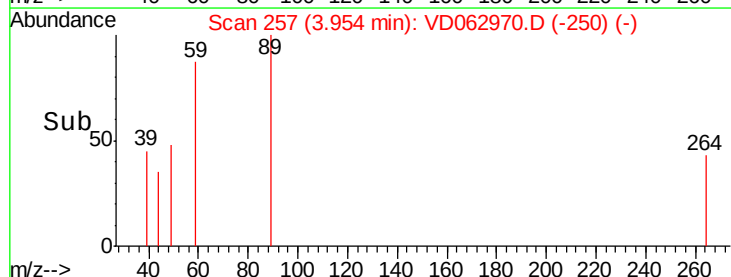
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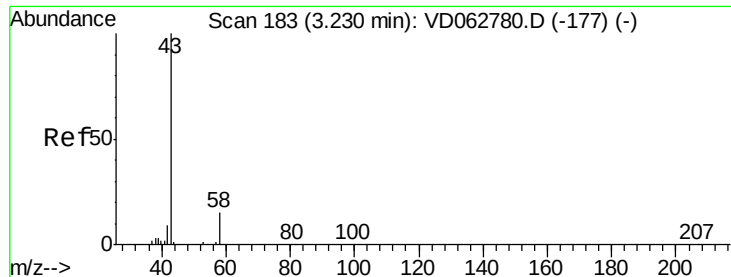
200

0

3.90 3.95 4.00

Time-->





#16

Acetone

Concen: 17.138 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062970.D

Acq: 28 Jun 2019 17:09

Instrument :

MSVOA_D

ClientSampleId :

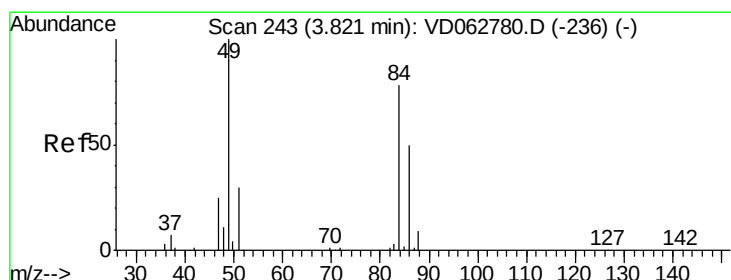
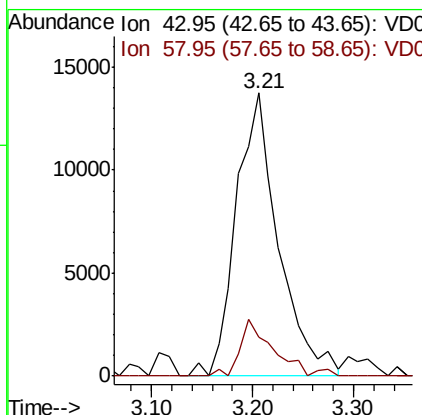
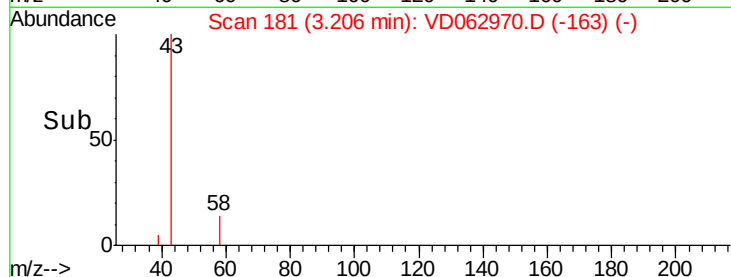
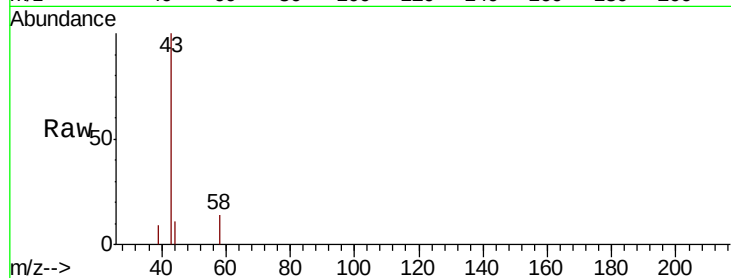
SR-SOIL-COMP-1

Tot Ion: 43 Resp: 40154

Ion Ratio Lower Upper

43 100

58 13.7 11.9 17.9



#20

Methylene Chloride

Concen: 3.875 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD062970.D

Acq: 28 Jun 2019 17:09

Tgt Ion: 84 Resp: 24740

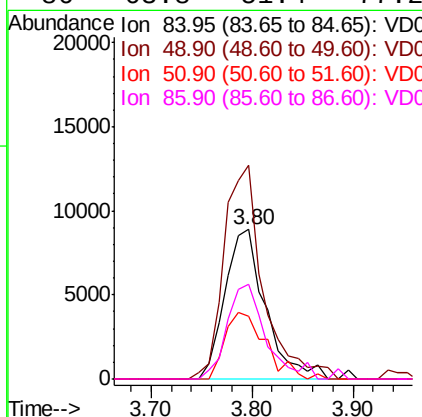
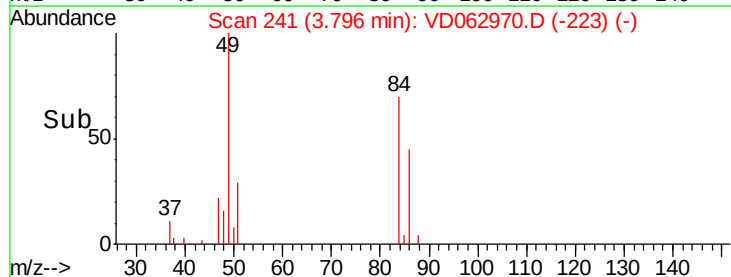
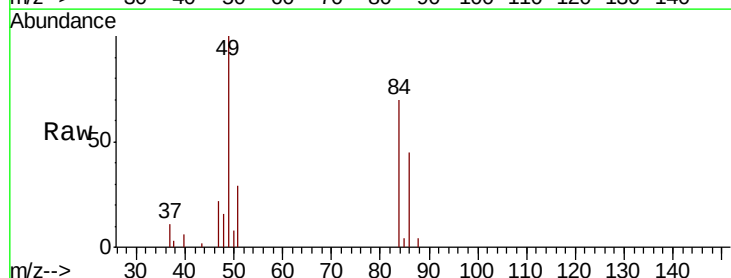
Ion Ratio Lower Upper

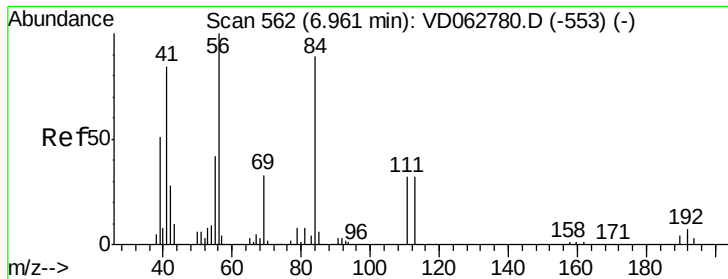
84 100

49 142.9 102.9 154.3

51 41.6 31.2 46.8

86 63.8 51.4 77.2

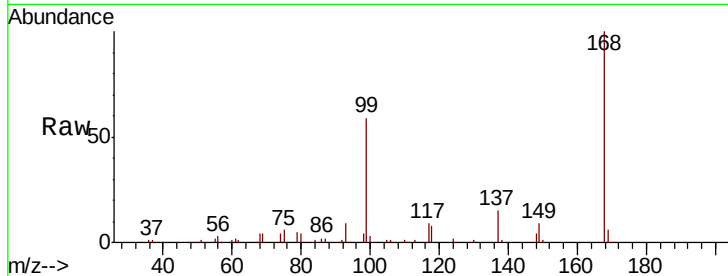




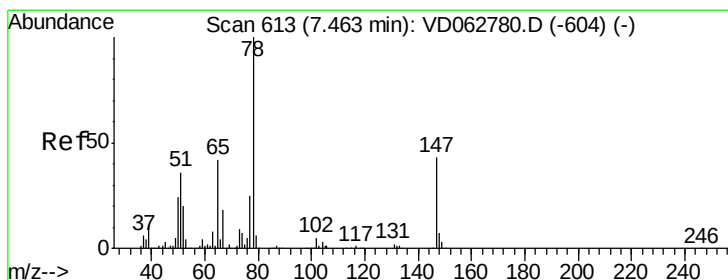
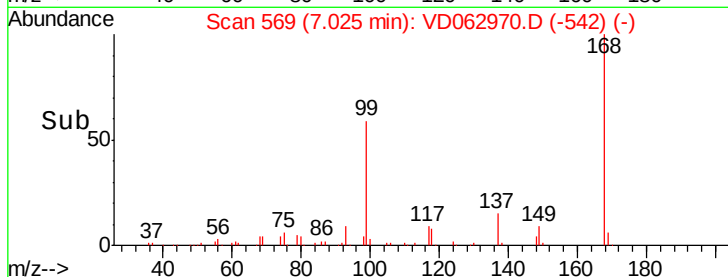
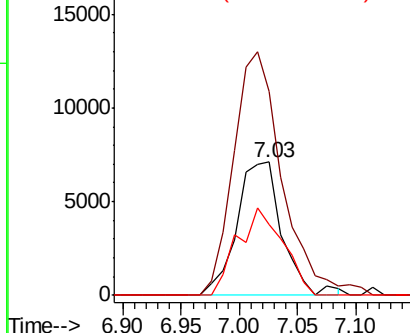
#31
Cyclohexane
Concen: 2.433 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.06 min
Lab File: VD062970.D
Acq: 28 Jun 2019 17:09

Instrument :
MSVOA_D
ClientSampleId :
SR-SOIL-COMP-1

Tot Ion: 56 Resp: 19128
Ion Ratio Lower Upper
56 100
69 153.3 26.6 39.8#
84 53.6 75.5 113.3#

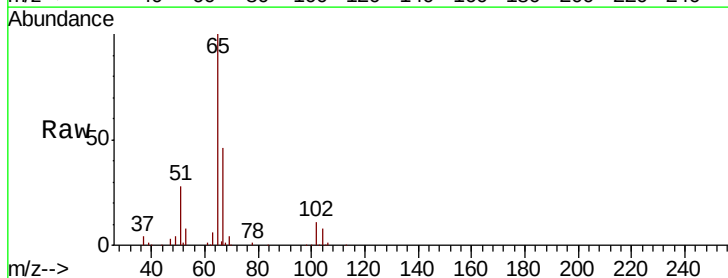


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

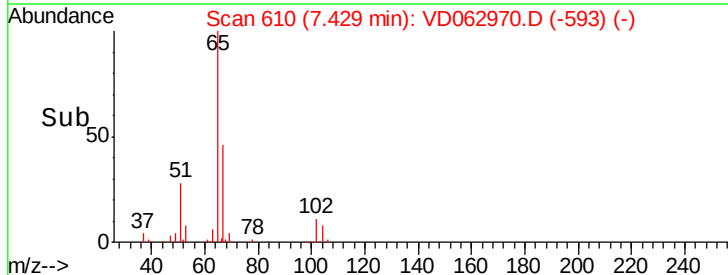
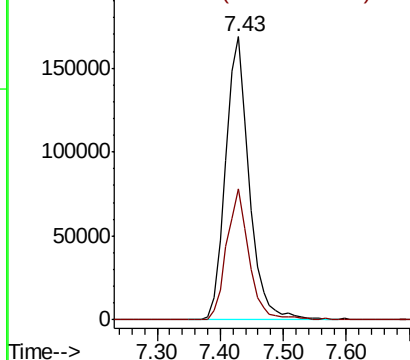


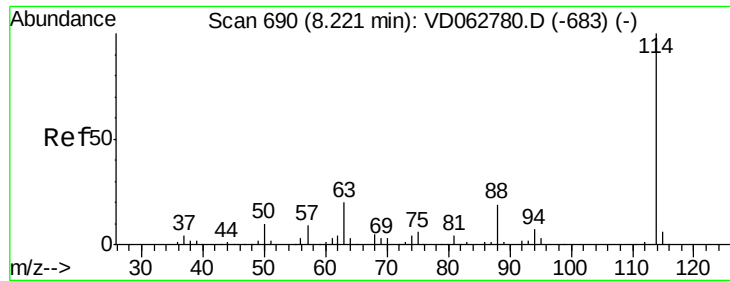
#33
1,2-Dichloroethane-d4
Concen: 51.962 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.03 min
Lab File: VD062970.D
Acq: 28 Jun 2019 17:09

Tgt Ion: 65 Resp: 434978
Ion Ratio Lower Upper
65 100
67 46.4 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

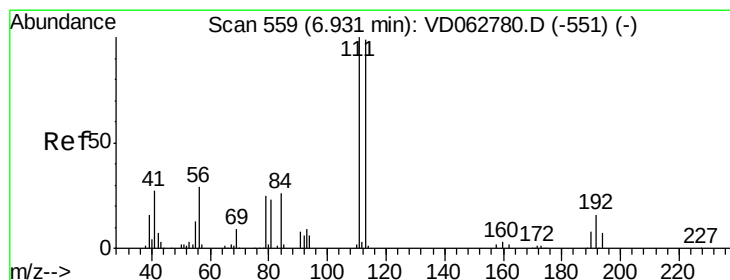
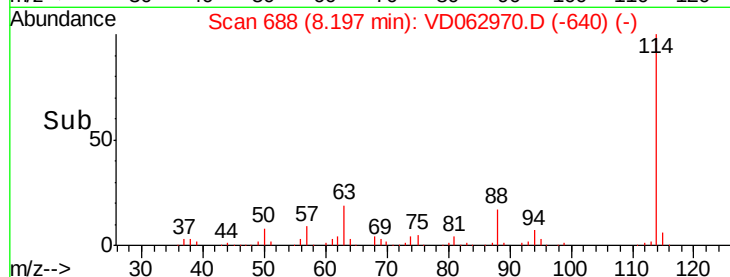
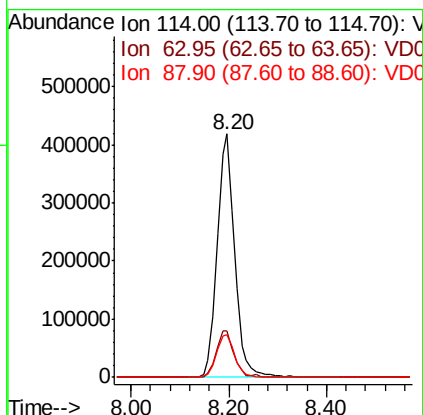
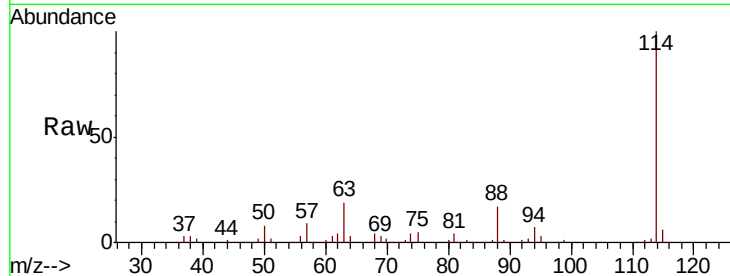




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: VD062970.D
 Acq: 28 Jun 2019 17:09

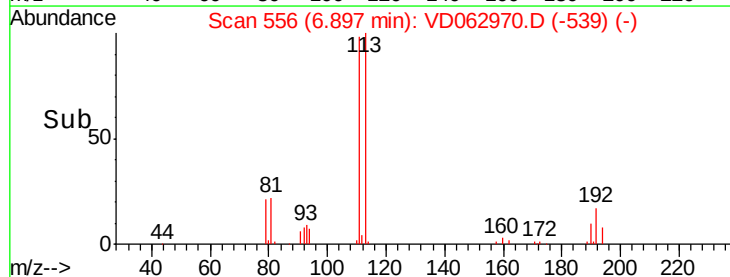
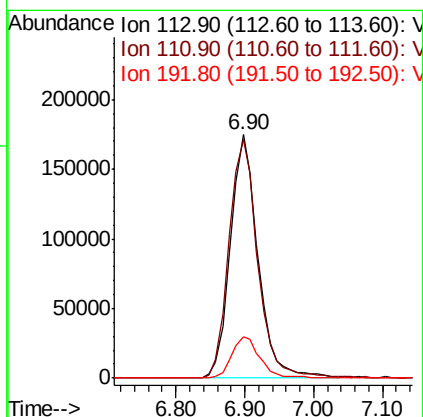
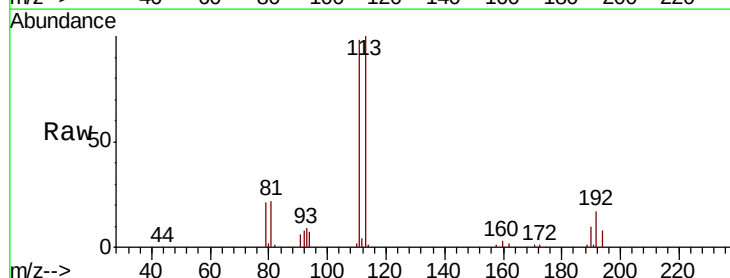
Instrument :
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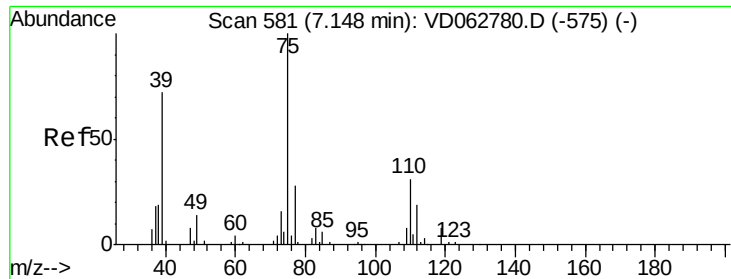
Tot Ion:114 Resp: 1045727
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.0
 88 17.4 0.0 38.8



#35
 Dibromofluoromethane
 Concen: 55.127 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062970.D
 Acq: 28 Jun 2019 17:09

Tgt Ion:113 Resp: 486080
 Ion Ratio Lower Upper
 113 100
 111 98.1 81.2 121.8
 192 16.8 12.9 19.3

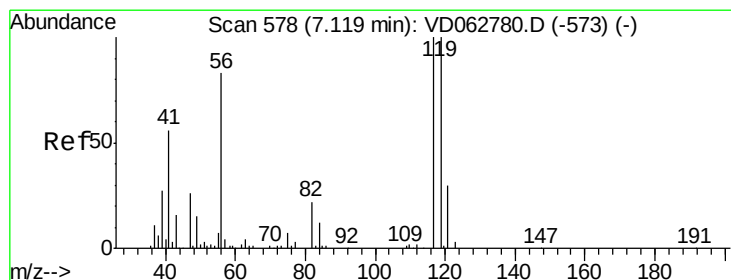
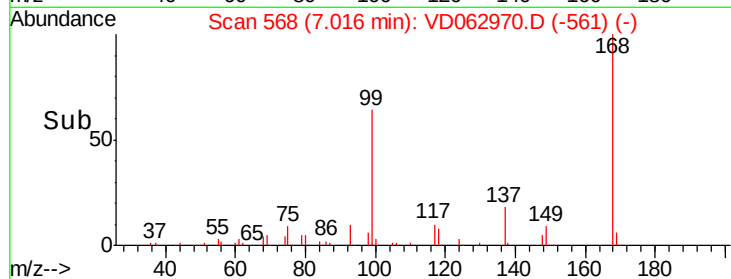
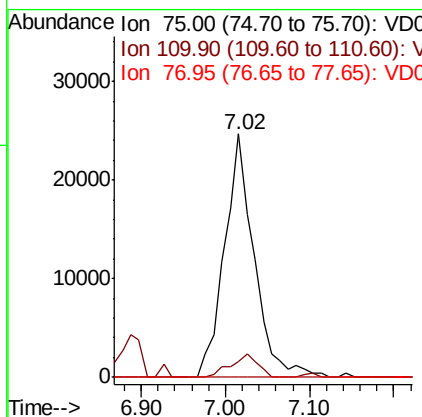
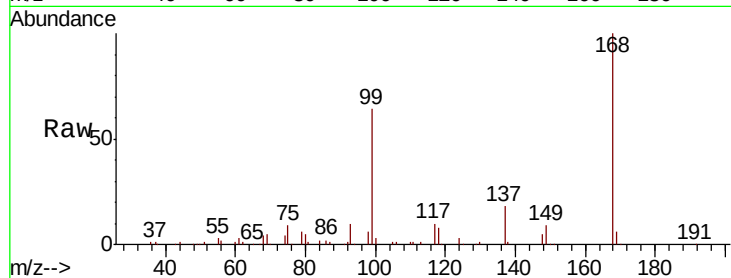




#36
 1,1-Dichloropropene
 Concen: 6.091 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.13 min
 Lab File: VD062970.D
 Acq: 28 Jun 2019 17:09

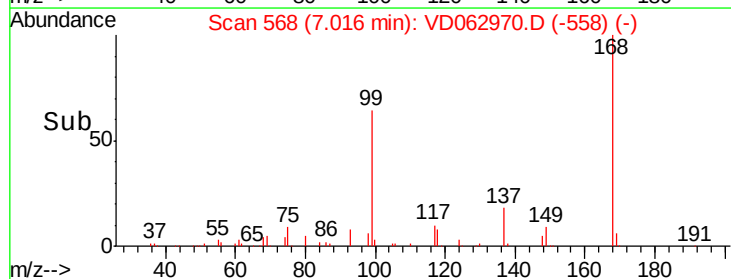
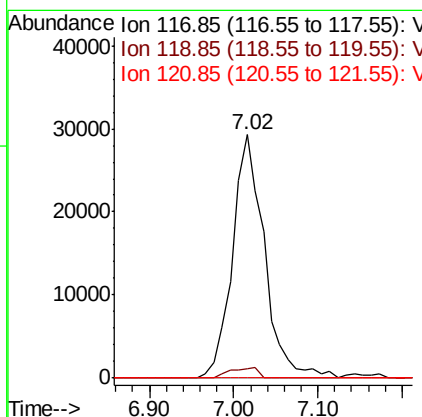
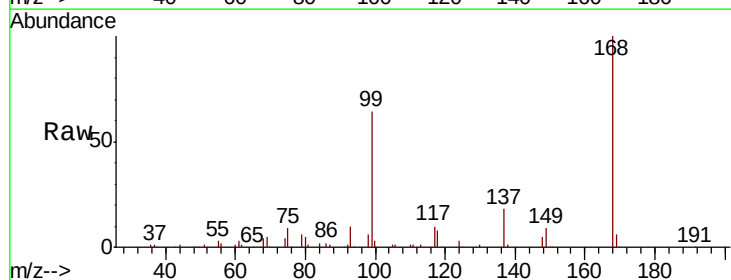
Instrument :
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 ClientSampleId :
 SR-SOIL-COMP-1

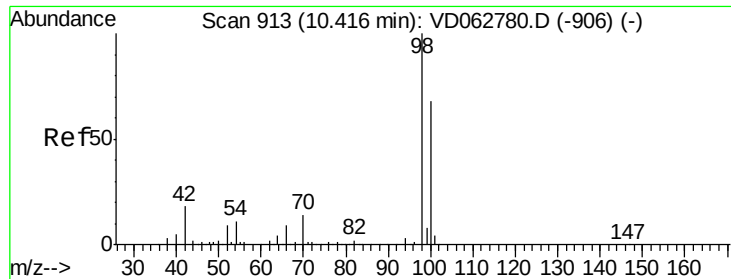
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.4	15.0	45.1#
77	0.0	22.2	33.2#



#38
 Carbon Tetrachloride
 Concen: 5.200 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.10 min
 Lab File: VD062970.D
 Acq: 28 Jun 2019 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	75.4	113.2#
121	0.0	22.3	33.5#

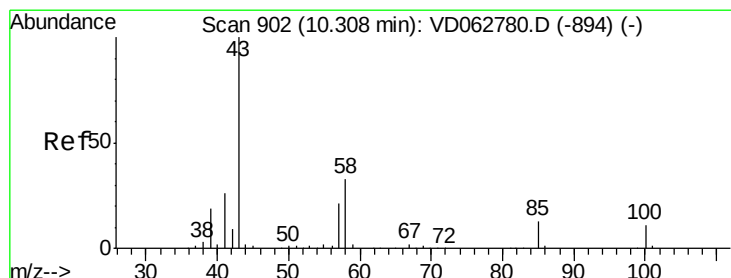
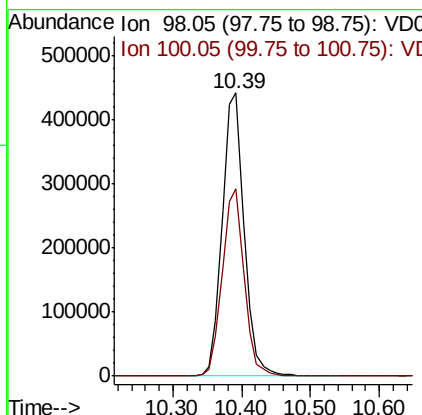
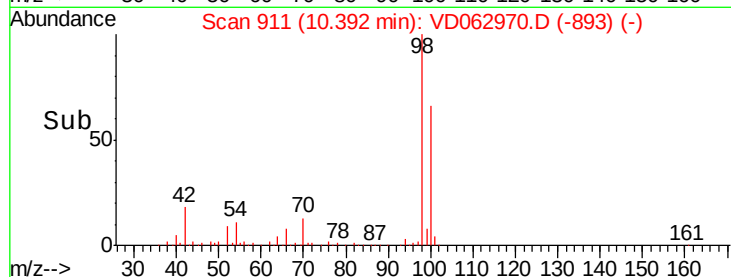
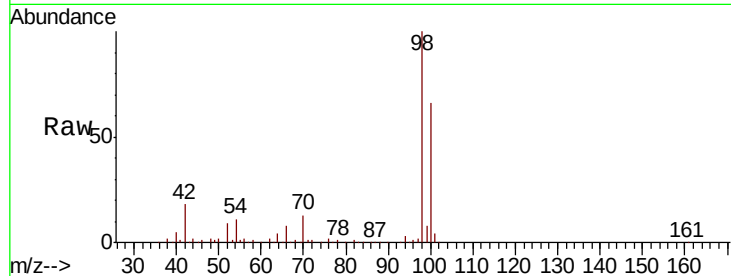




#50
Toluene-d8
Concen: 50.638 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062970.D
Acq: 28 Jun 2019 17:09

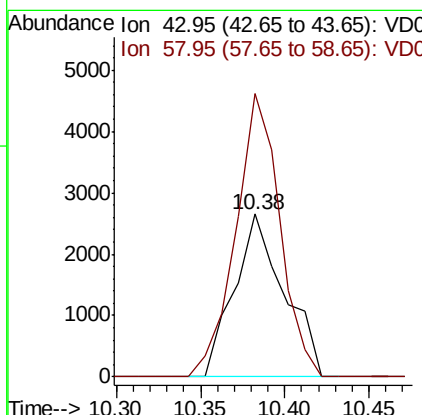
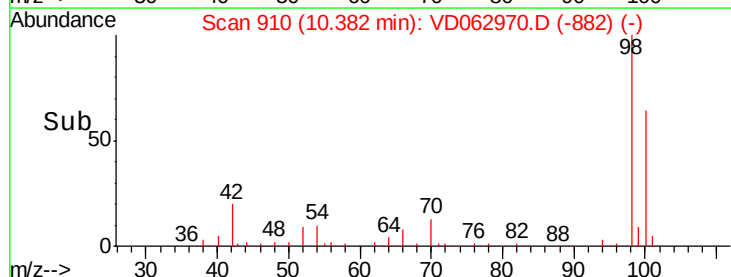
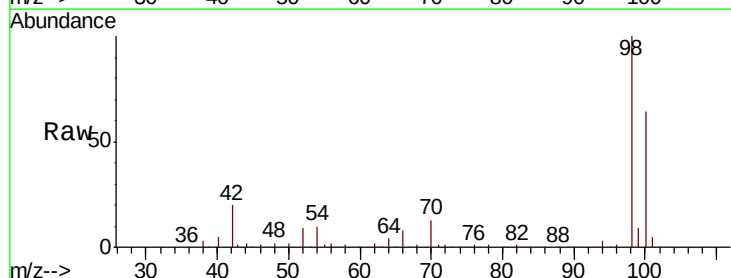
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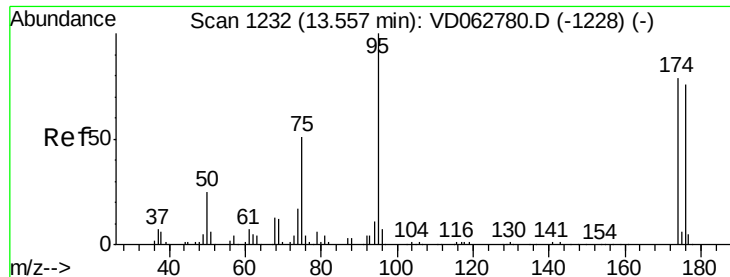
Tot Ion: 98 Resp: 971794
Ion Ratio Lower Upper
98 100
100 66.2 54.7 82.1



#51
4-Methyl-2-Pentanone
Concen: 1.485 ug/l
RT: 10.38 min Scan# 910
Delta R.T. 0.07 min
Lab File: VD062970.D
Acq: 28 Jun 2019 17:09

Tgt Ion: 43 Resp: 5465
Ion Ratio Lower Upper
43 100
58 174.0 26.6 40.0#

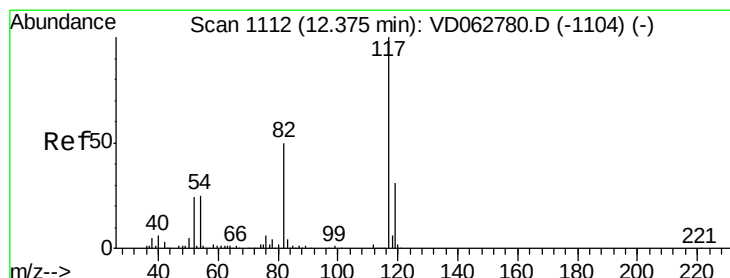
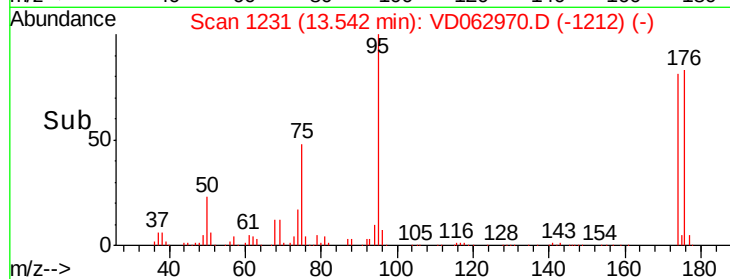
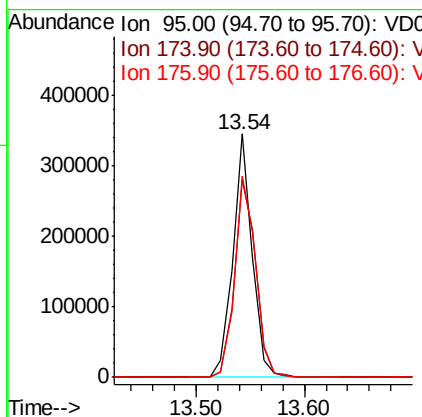
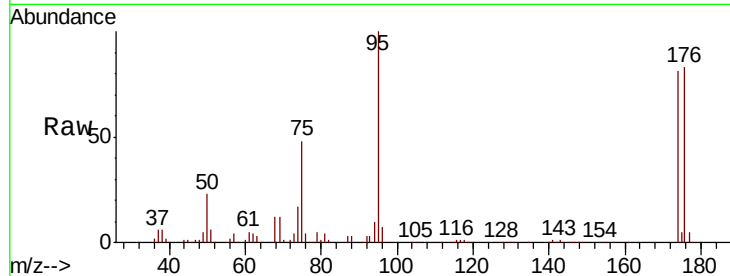




#62
4-Bromofluorobenzene
Concen: 49.120 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD062970.D
Acq: 28 Jun 2019 17:09

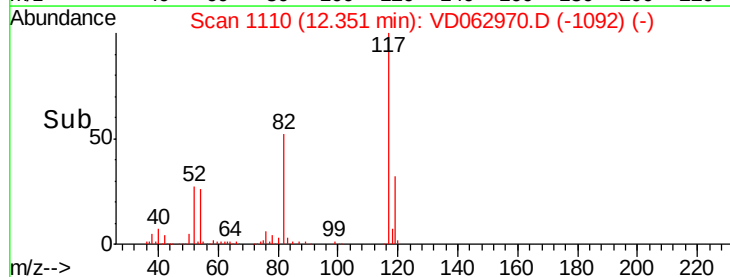
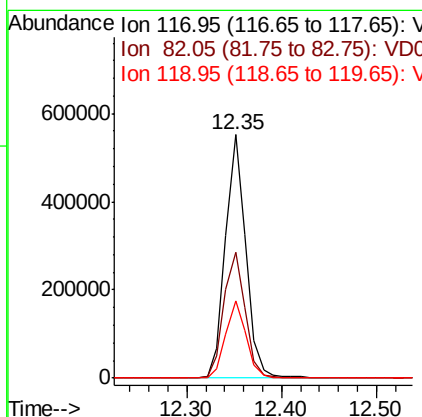
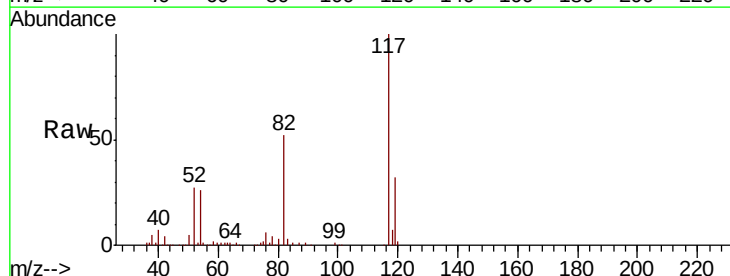
Instrument :
MSVOA_D
ClientSampleId :
SR-SOIL-COMP-1

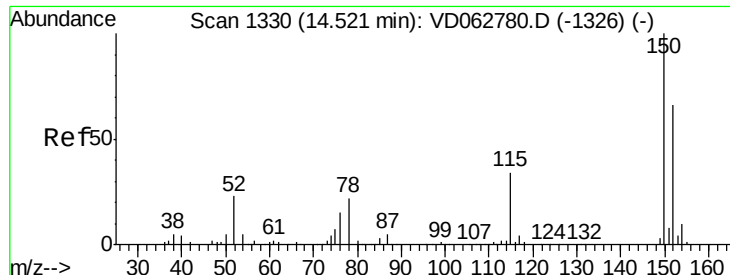
Tot Ion: 95 Resp: 428631
Ion Ratio Lower Upper
95 100
174 81.0 0.0 158.0
176 82.7 0.0 151.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062970.D
Acq: 28 Jun 2019 17:09

Tgt Ion: 117 Resp: 825040
Ion Ratio Lower Upper
117 100
82 51.8 40.4 60.6
119 31.7 25.2 37.8



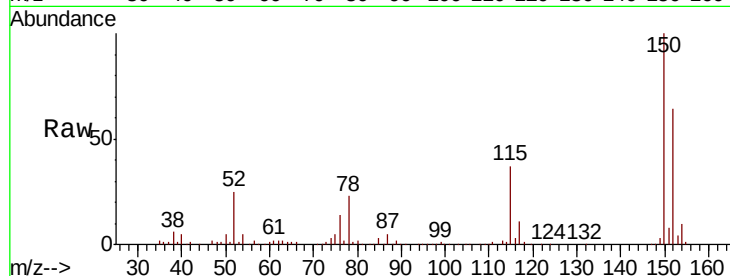


#72

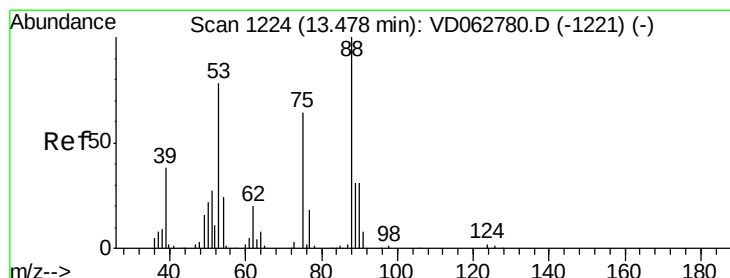
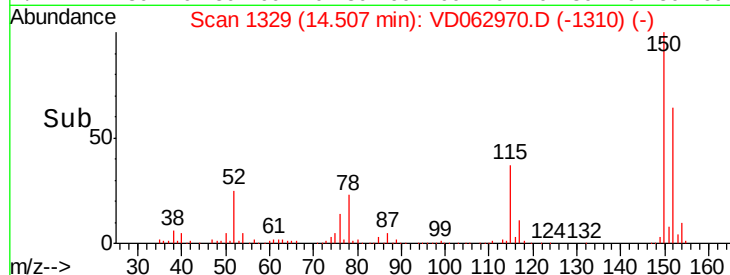
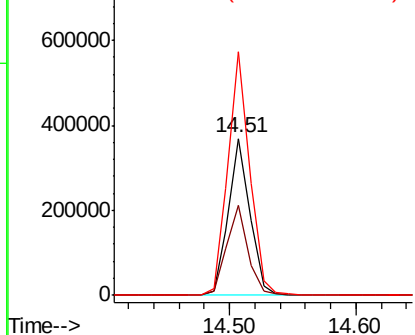
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062970.D
Acq: 28 Jun 2019 17:09

Instrument :
MSVOA_D
ClientSampleId :
SR-SOIL-COMP-1

Tot Ion:152 Resp: 435976
Ion Ratio Lower Upper
152 100
115 57.0 29.2 87.6
150 155.3 0.0 305.8



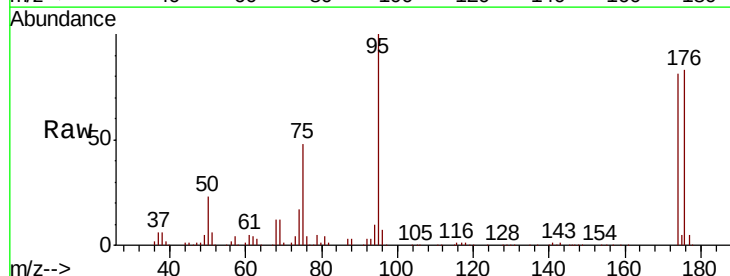
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 154.698 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD062970.D
Acq: 28 Jun 2019 17:09

Tgt Ion: 75 Resp: 204059
Ion Ratio Lower Upper
75 100
53 0.0 97.8 146.8#
89 0.0 39.4 59.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

