

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062971.D
 Acq On : 28 Jun 2019 17:37
 Operator : VA/AP
 Sample : K3573-02
 Misc : 5.54g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SR-SOIL-COMP-2

Quant Time: Jun 29 00:16:10 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	7.01	168	610618	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	861689	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	663413	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.50	152	378342	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	487567	73.46	ug/l	-0.04
Spiked Amount			Recovery	=	146.92%	
35) Dibromofluoromethane	6.89	113	494044	68.00	ug/l	-0.04
Spiked Amount			Recovery	=	136.00%	
50) Toluene-d8	10.39	98	1020826	64.55	ug/l	-0.03
Spiked Amount			Recovery	=	129.10%	
62) 4-Bromofluorobenzene	13.54	95	405760	56.43	ug/l	-0.02
Spiked Amount			Recovery	=	112.86%	

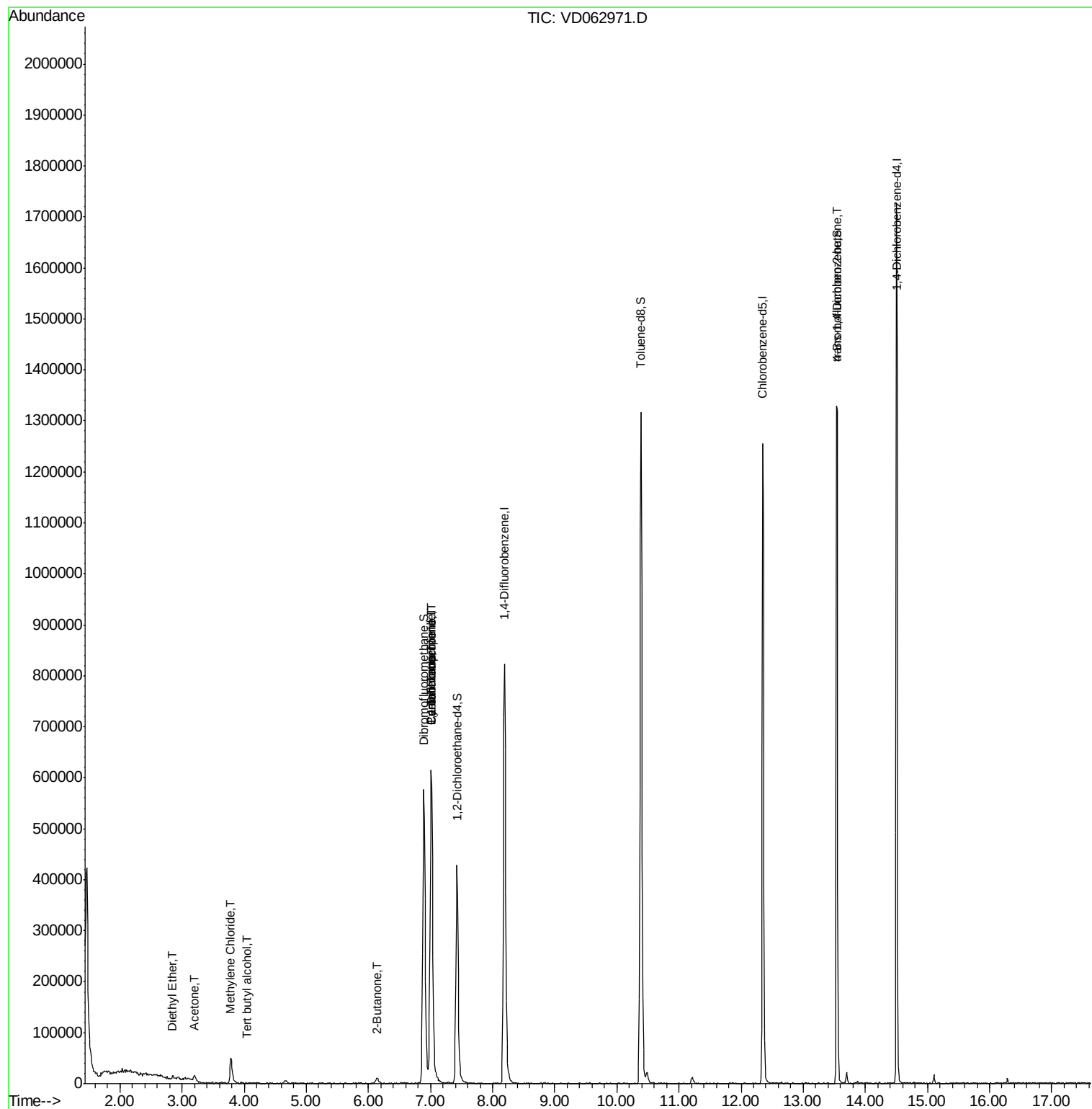
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.85	74	1754	1.158	ug/l	51
11) Tert butyl alcohol	4.03	59	492	1.628	ug/l #	77
16) Acetone	3.20	43	29613	15.437	ug/l #	83
20) Methylene Chloride	3.78	84	29301	5.789	ug/l	92
25) 2-Butanone	6.14	43	1435	1.156	ug/l #	64
31) Cyclohexane	7.01	56	14428	2.315	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	48060	5.892	ug/l #	55
37) Ethyl Acetate	6.14	43	1435	Below Cal	#	69
38) Carbon Tetrachloride	7.01	117	62123	5.064	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.54	75	187141	163.484	ug/l #	2

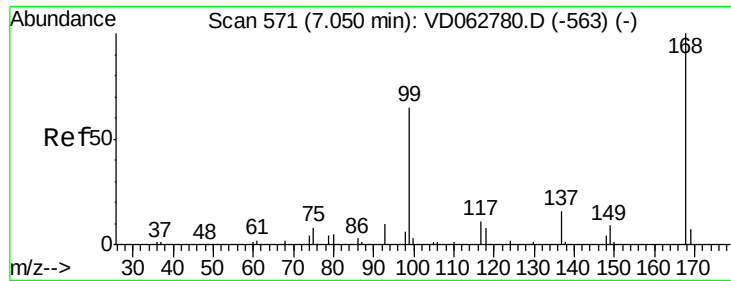
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.04 min

Lab File: VD062971.D

Acq: 28 Jun 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

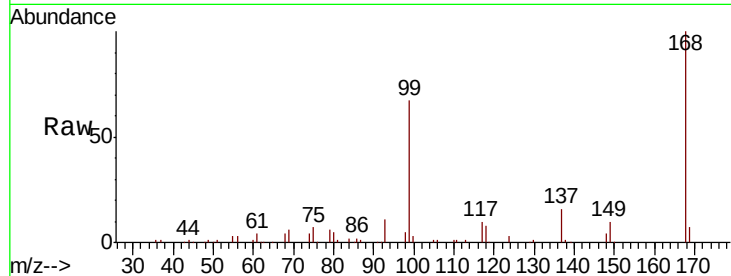
SR-SOIL-COMP-2

Tot Ion:168 Resp: 610618

Ion Ratio Lower Upper

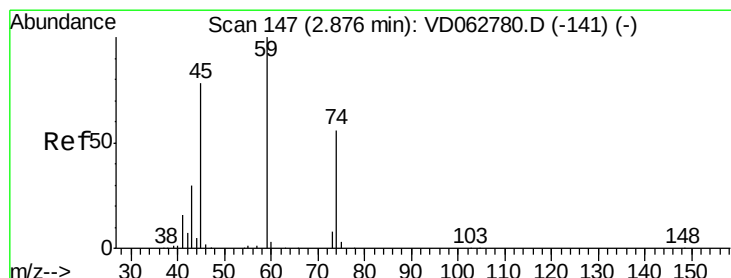
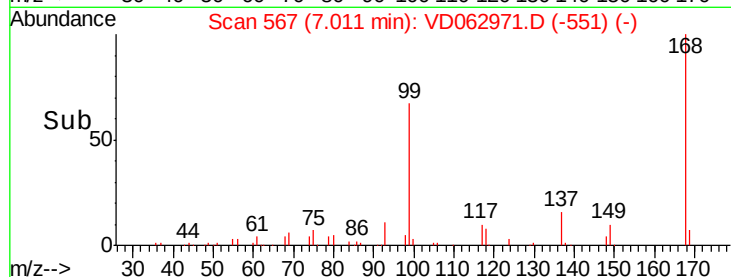
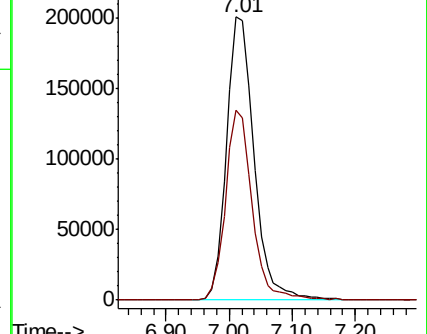
168 100

99 67.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.158 ug/l

RT: 2.85 min Scan# 144

Delta R.T. -0.03 min

Lab File: VD062971.D

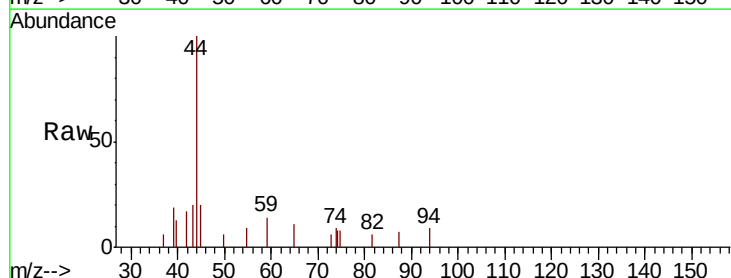
Acq: 28 Jun 2019 17:37

Tgt Ion: 74 Resp: 1754

Ion Ratio Lower Upper

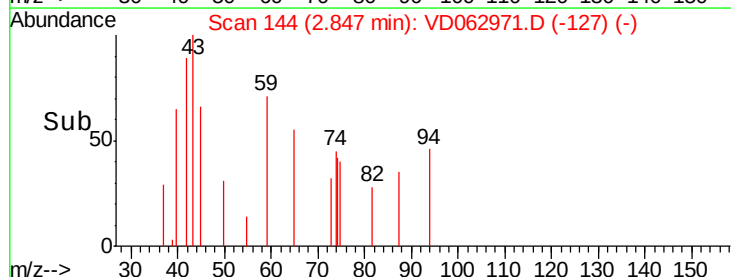
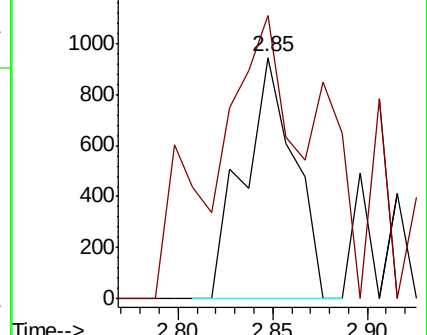
74 100

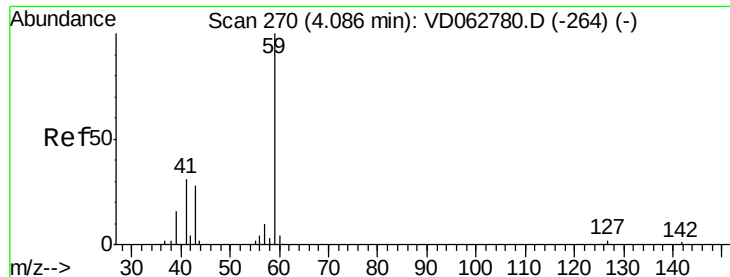
45 80.7 70.2 210.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

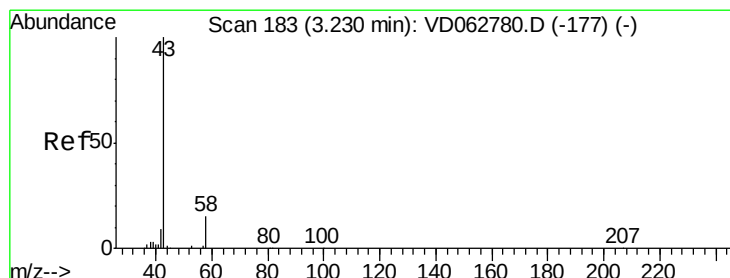
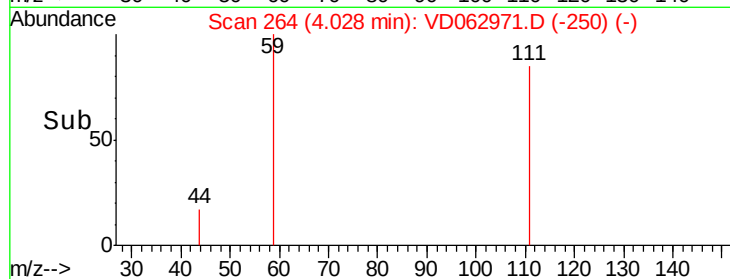
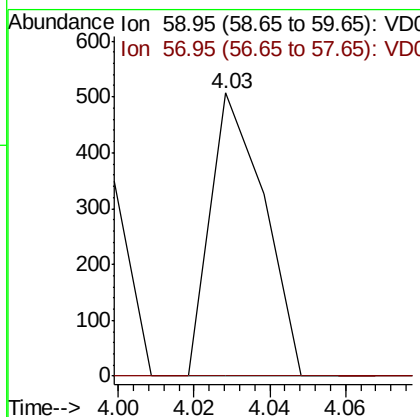
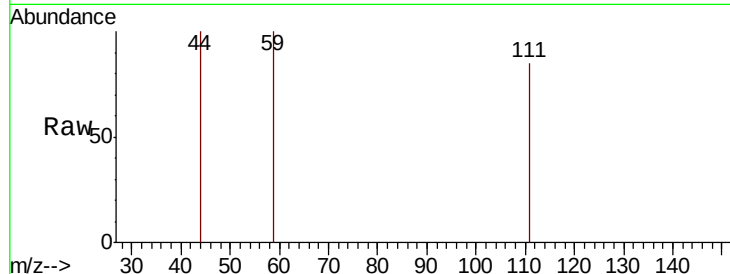




#11
Tert butyl alcohol
Concen: 1.628 ug/l
RT: 4.03 min Scan# 264
Delta R.T. -0.06 min
Lab File: VD062971.D
Acq: 28 Jun 2019 17:37

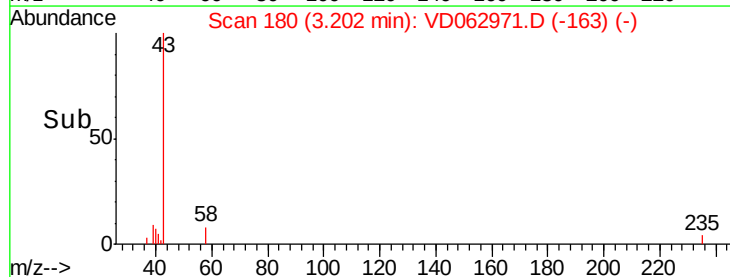
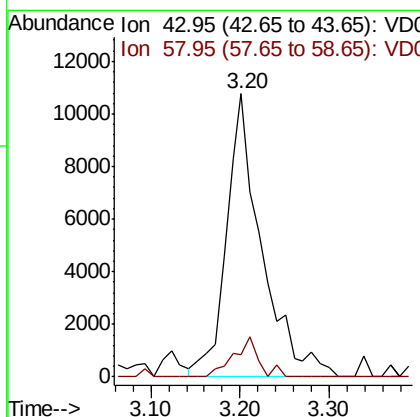
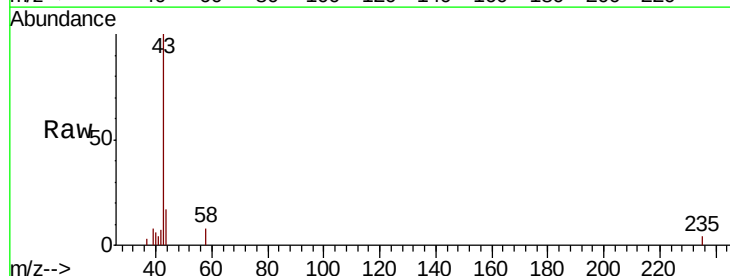
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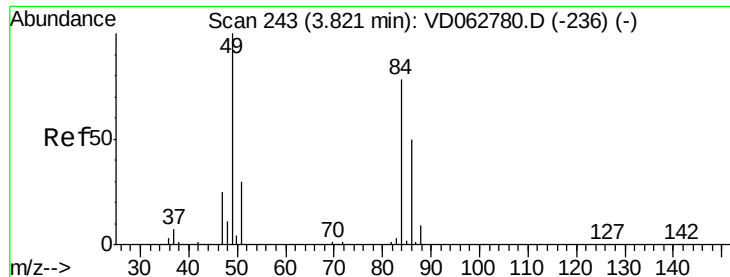
Tot Ion: 59 Resp: 492
Ion Ratio Lower Upper
59 100
57 0.0 6.6 10.0#



#16
Acetone
Concen: 15.437 ug/l
RT: 3.20 min Scan# 180
Delta R.T. -0.03 min
Lab File: VD062971.D
Acq: 28 Jun 2019 17:37

Tgt Ion: 43 Resp: 29613
Ion Ratio Lower Upper
43 100
58 7.9 11.9 17.9#

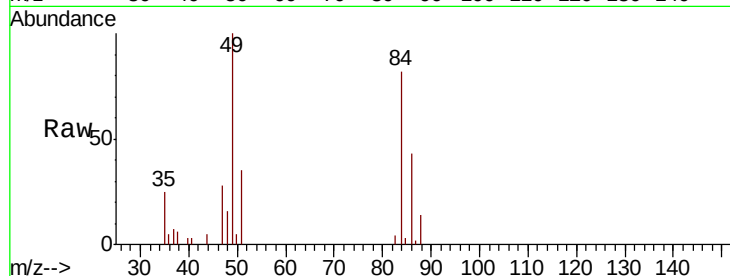




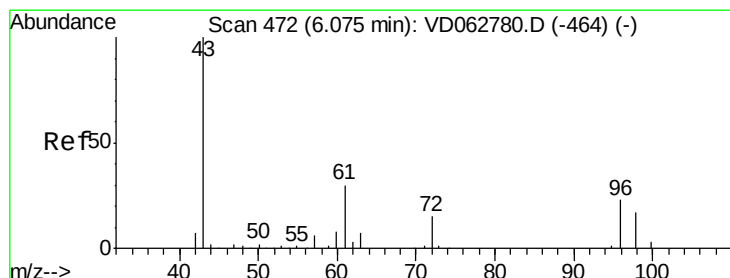
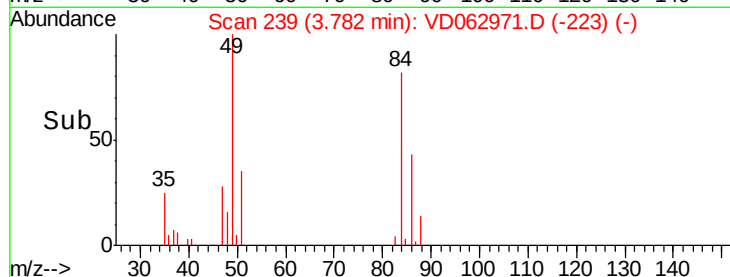
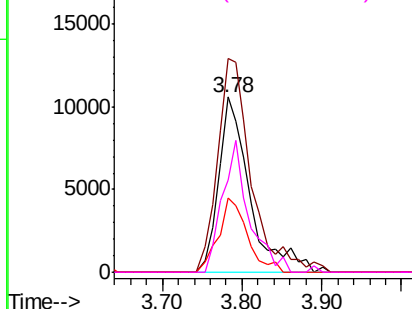
#20
Methvlene Chloride
Concen: 5.789 ug/l
RT: 3.78 min Scan# 239
Delta R.T. -0.04 min
Lab File: VD062971.D
Acq: 28 Jun 2019 17:37

Instrument :
MSVOA_D
ClientSampleId :
SR-SOIL-COMP-2

Tot Ion:	84	Resp:	29301
Ion	Ratio	Lower	Upper
84	100		
49	122.2	102.9	154.3
51	42.2	31.2	46.8
86	52.5	51.4	77.2

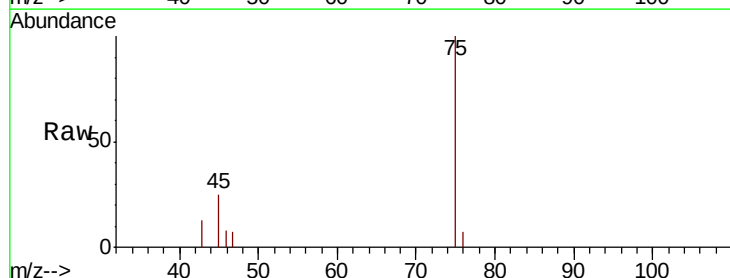


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

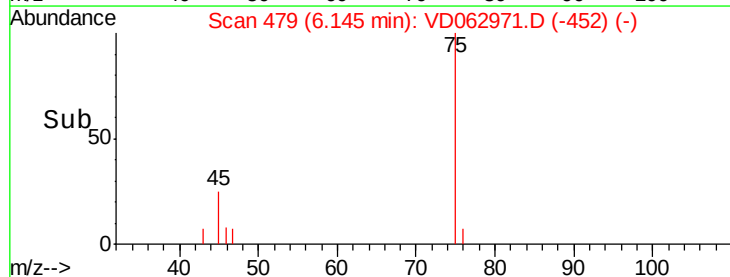
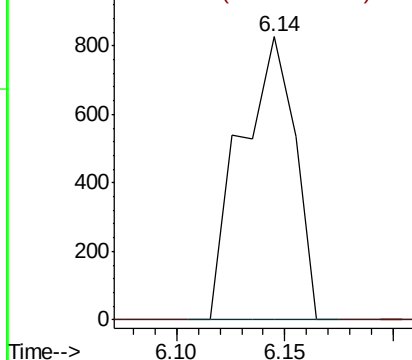


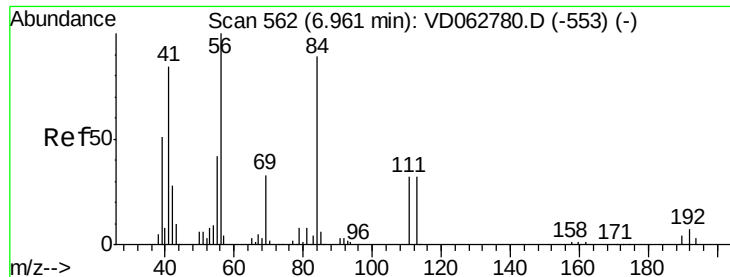
#25
2-Butanone
Concen: 1.156 ug/l
RT: 6.14 min Scan# 479
Delta R.T. 0.07 min
Lab File: VD062971.D
Acq: 28 Jun 2019 17:37

Tgt Ion:	43	Resp:	1435
Ion	Ratio	Lower	Upper
43	100		
72	0.0	11.9	17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

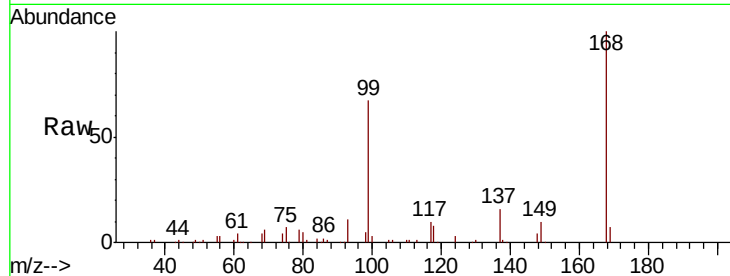




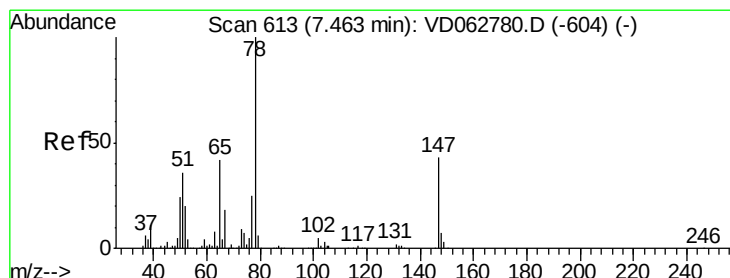
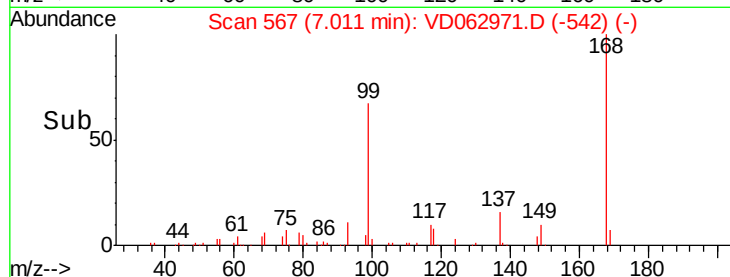
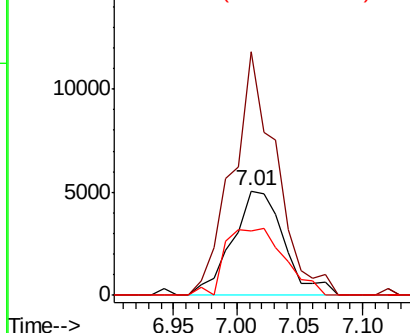
#31
Cyclohexane
Concen: 2.315 ug/l
RT: 7.01 min Scan# 567
Delta R.T. 0.05 min
Lab File: VD062971.D
Acq: 28 Jun 2019 17:37

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SR-SOIL-COMP-2

Tot Ion: 56 Resp: 14428
Ion Ratio Lower Upper
56 100
69 232.9 26.6 39.8#
84 61.2 75.5 113.3#

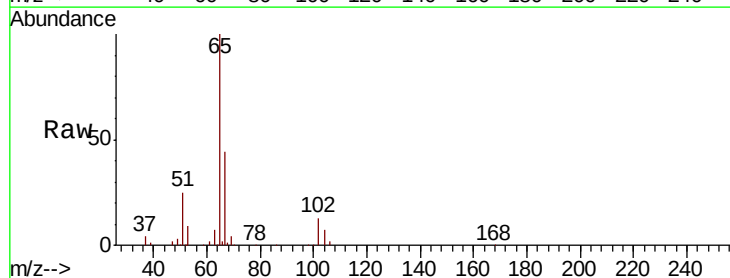


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

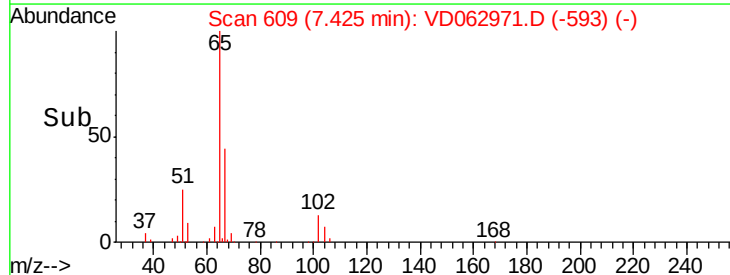
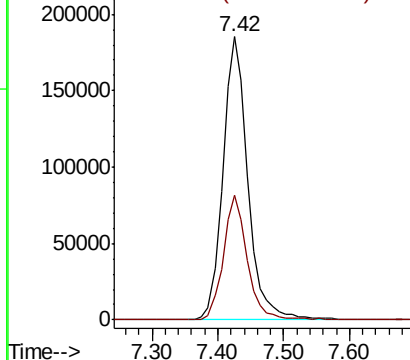


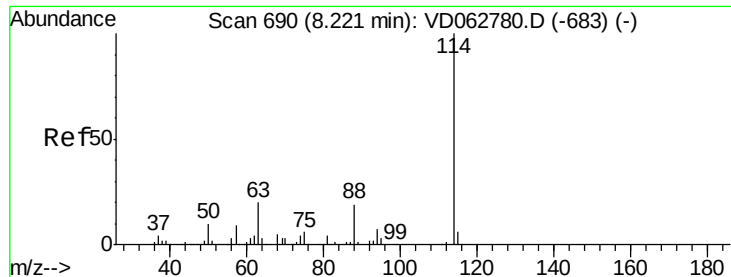
#33
1,2-Dichloroethane-d4
Concen: 73.458 ug/l
RT: 7.42 min Scan# 609
Delta R.T. -0.04 min
Lab File: VD062971.D
Acq: 28 Jun 2019 17:37

Tgt Ion: 65 Resp: 487567
Ion Ratio Lower Upper
65 100
67 43.8 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: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062971.D

Acq: 28 Jun 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

SR-SOIL-COMP-2

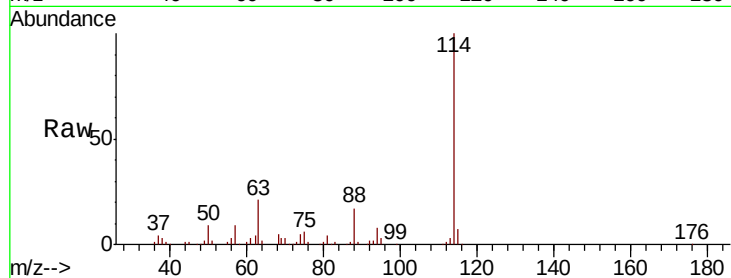
Tot Ion:114 Resp: 861689

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

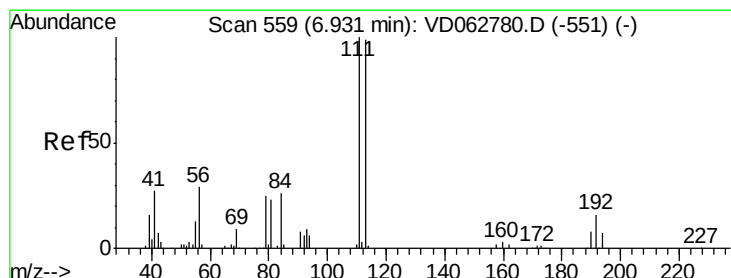
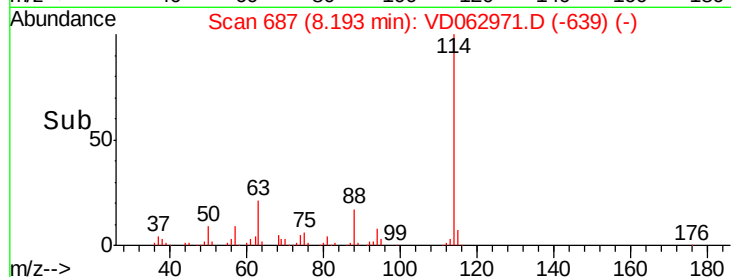
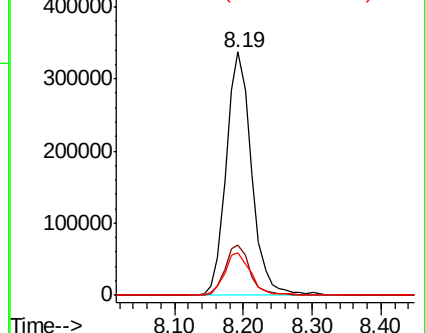
88 17.4 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 67.997 ug/l

RT: 6.89 min Scan# 555

Delta R.T. -0.04 min

Lab File: VD062971.D

Acq: 28 Jun 2019 17:37

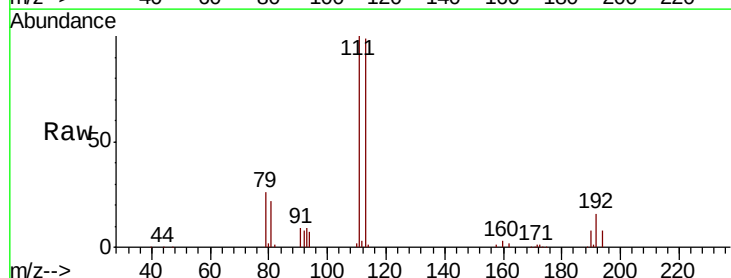
Tgt Ion:113 Resp: 494044

Ion Ratio Lower Upper

113 100

111 101.2 81.2 121.8

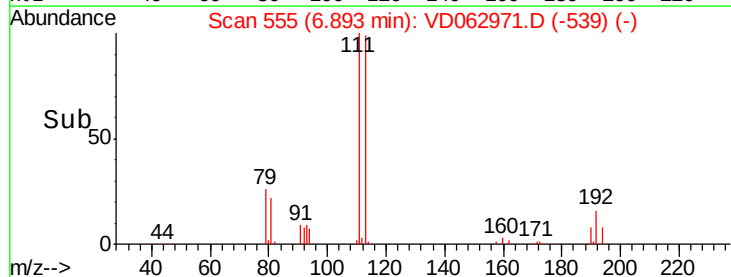
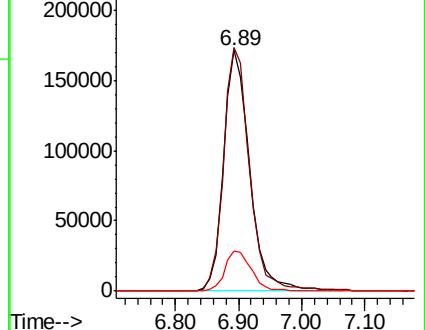
192 16.6 12.9 19.3

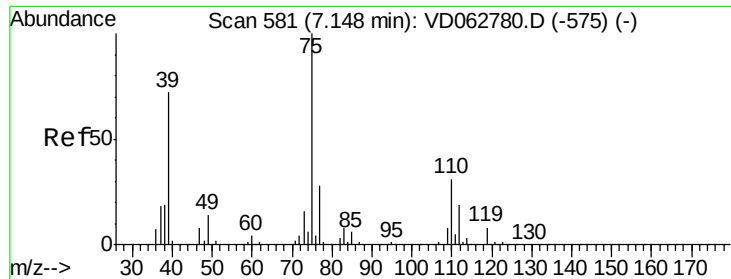


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

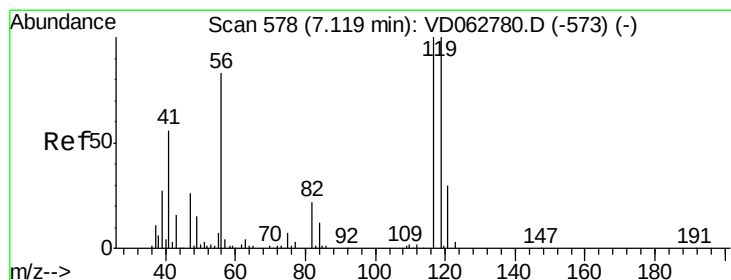
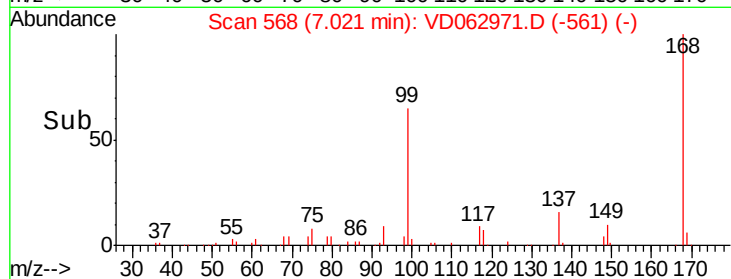
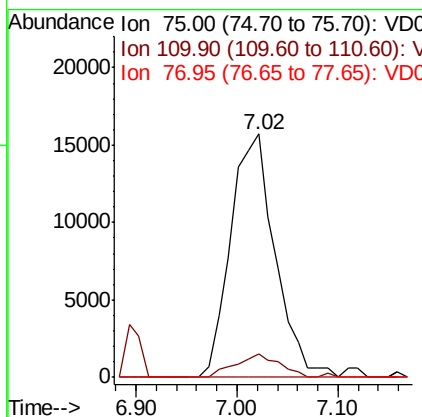
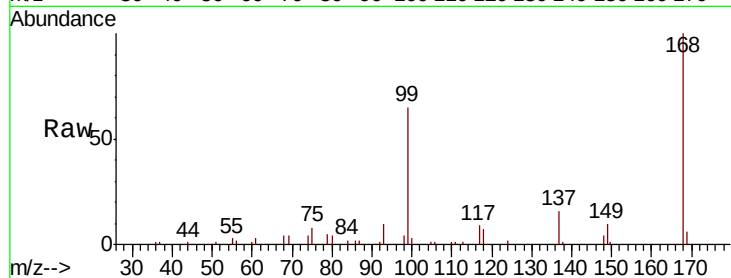




#36
 1,1-Dichloropropene
 Concen: 5.892 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.13 min
 Lab File: VD062971.D
 Acq: 28 Jun 2019 17:37

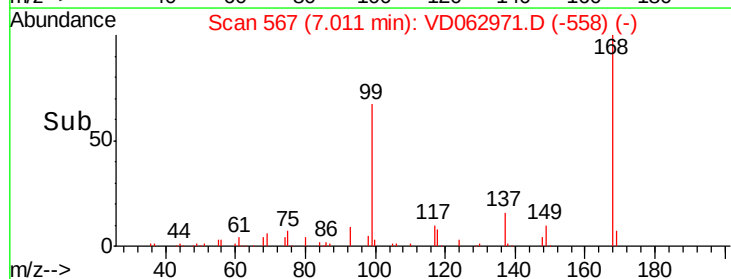
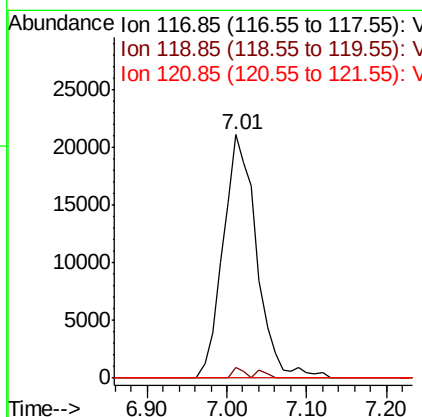
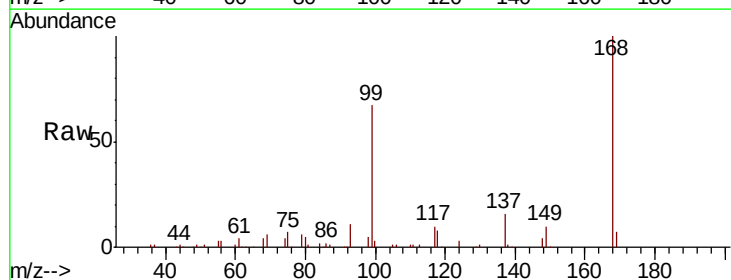
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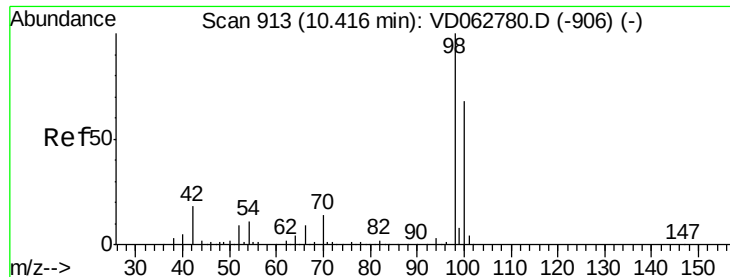
Tot Ion: 75 Resp: 48060
 Ion Ratio Lower Upper
 75 100
 110 9.9 15.0 45.1#
 77 0.0 22.2 33.2#



#38
 Carbon Tetrachloride
 Concen: 5.064 ug/l
 RT: 7.01 min Scan# 567
 Delta R.T. -0.11 min
 Lab File: VD062971.D
 Acq: 28 Jun 2019 17:37

Tgt Ion: 117 Resp: 62123
 Ion Ratio Lower Upper
 117 100
 119 4.1 75.4 113.2#
 121 0.0 22.3 33.5#

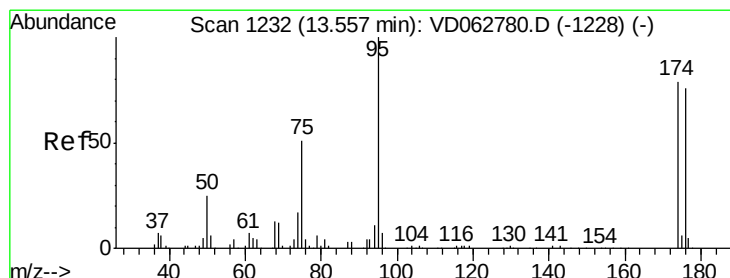
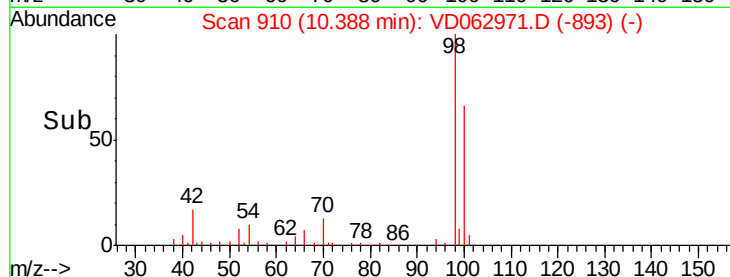
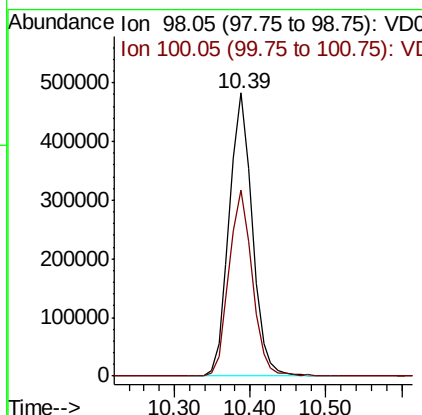
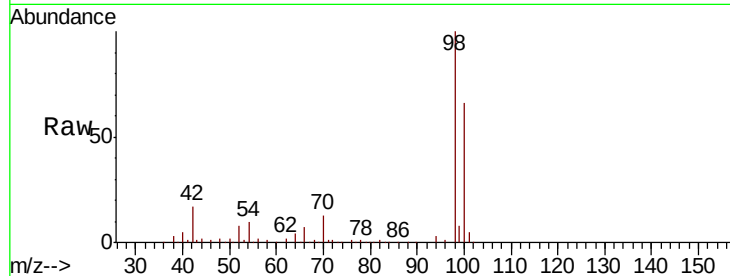




#50
Toluene-d8
Concen: 64.554 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062971.D
Acq: 28 Jun 2019 17:37

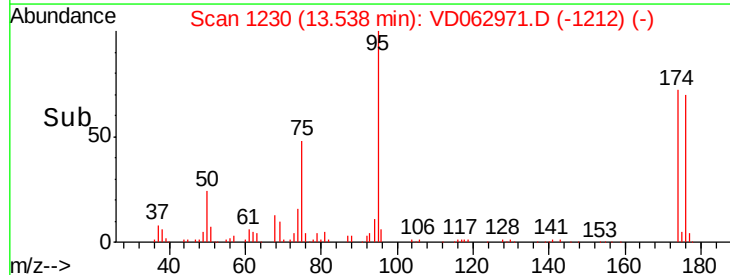
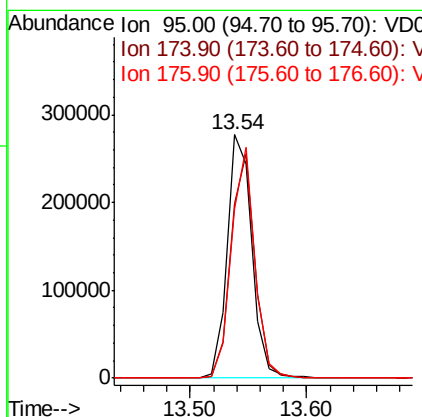
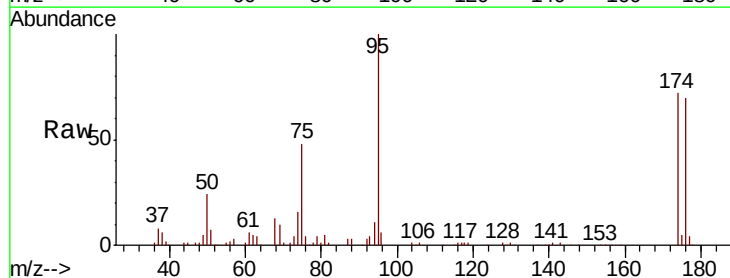
Instrument :
MSVOA_D
ClientSampleId :
SR-SOIL-COMP-2

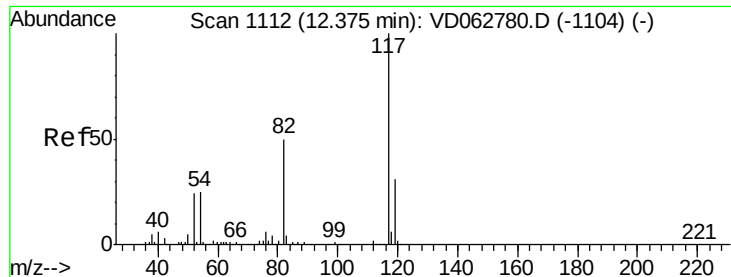
Tot Ion: 98 Resp: 1020826
Ion Ratio Lower Upper
98 100
100 65.8 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 56.430 ug/l
RT: 13.54 min Scan# 1230
Delta R.T. -0.02 min
Lab File: VD062971.D
Acq: 28 Jun 2019 17:37

Tgt Ion: 95 Resp: 405760
Ion Ratio Lower Upper
95 100
174 71.5 0.0 158.0
176 69.7 0.0 151.6

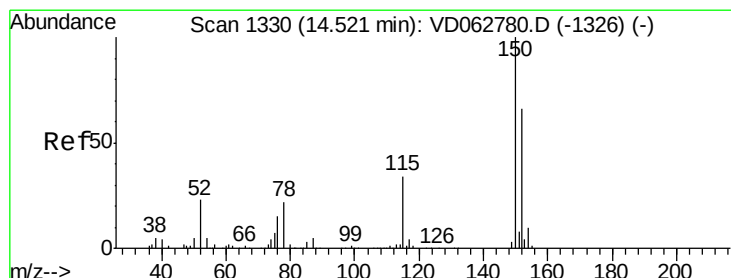
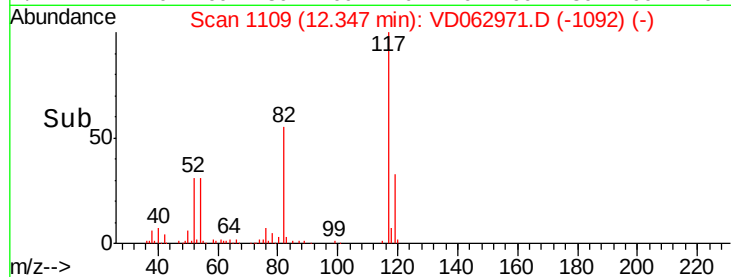
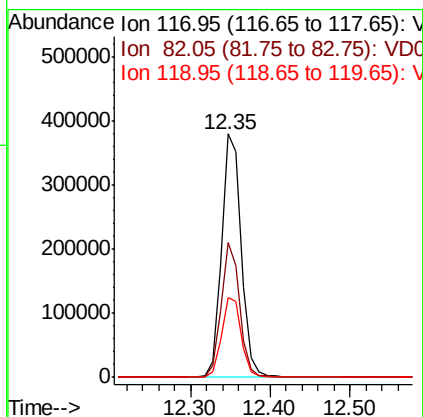
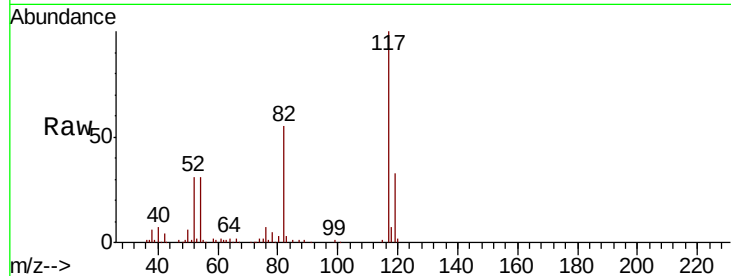




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1109
Delta R.T. -0.03 min
Lab File: VD062971.D
Acq: 28 Jun 2019 17:37

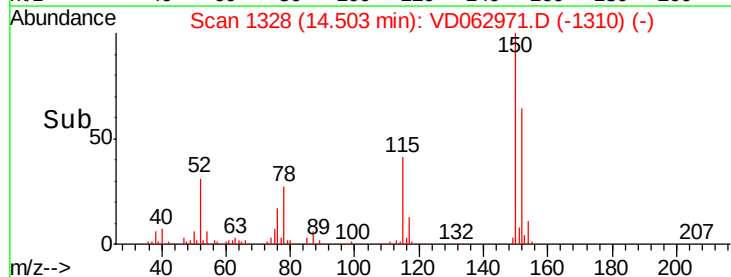
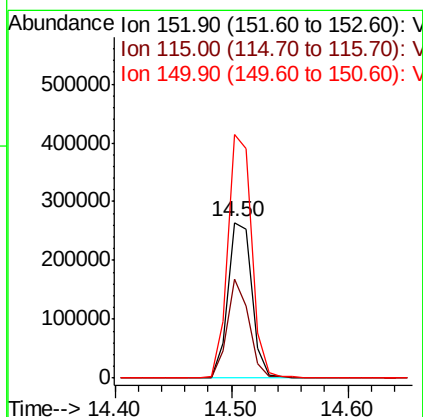
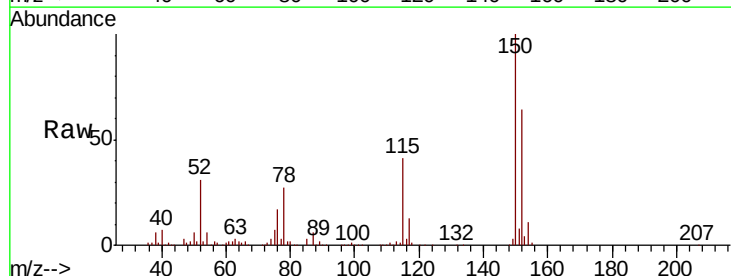
Instrument :
MSVOA_D
ClientSampleId :
SR-SOIL-COMP-2

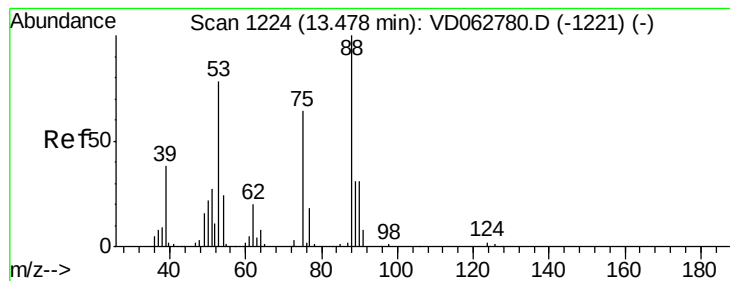
Tot Ion:117 Resp: 663413
Ion Ratio Lower Upper
117 100
82 55.3 40.4 60.6
119 32.6 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.02 min
Lab File: VD062971.D
Acq: 28 Jun 2019 17:37

Tgt Ion:152 Resp: 378342
Ion Ratio Lower Upper
152 100
115 63.5 29.2 87.6
150 156.2 0.0 305.8





#81

trans-1,4-Dichloro-2-butene

Concen: 163.484 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. 0.06 min

Lab File: VD062971.D

Acq: 28 Jun 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

SR-SOIL-COMP-2

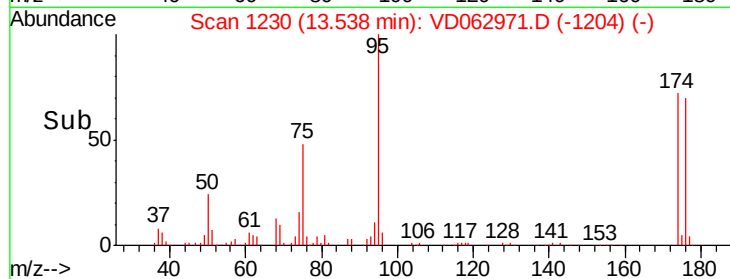
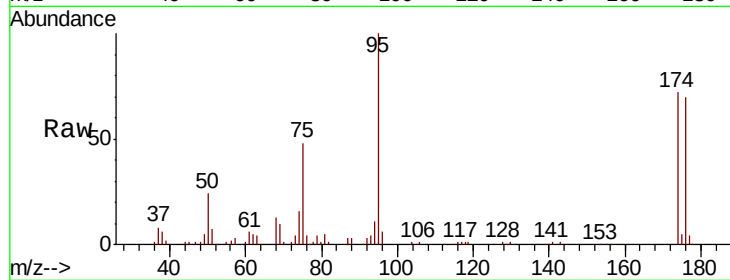
Tot Ion: 75 Resp: 187141

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

