

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070319\
 Data File : VD063027.D
 Acq On : 3 Jul 2019 16:31
 Operator : VA/AP
 Sample : K3681-01
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PILEA-07-01-19

Quant Time: Jul 04 00:46:51 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	7.05	168	872255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1161750	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	934589	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	417171	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	449995	47.46	ug/l	-0.01
Spiked Amount			Recovery	=	94.92%	
35) Dibromofluoromethane	6.92	113	519475	53.03	ug/l	-0.01
Spiked Amount			Recovery	=	106.06%	
50) Toluene-d8	10.42	98	1071023	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	13.56	95	432699	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	

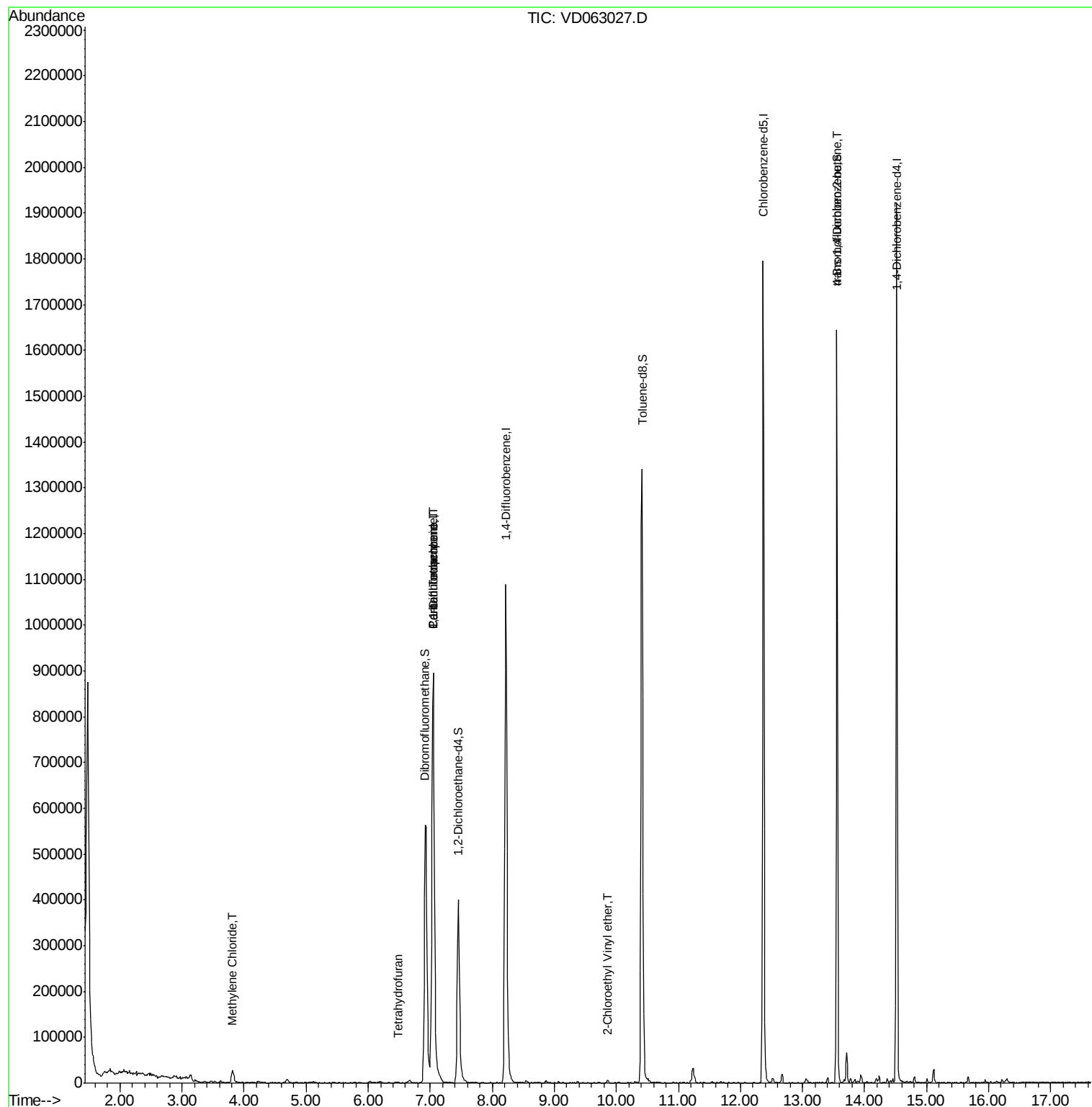
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	7257	Below Cal	#	64
20) Methylene Chloride	3.81	84	15995	2.212	ug/l #	84
29) Tetrahydrofuran	6.47	42	1144	1.364	ug/l #	33
36) 1,1-Dichloropropene	7.05	75	57832	5.259	ug/l #	61
37) Ethyl Acetate	6.21	43	928	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	88184	5.332	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.86	63	2963	1.059	ug/l #	84
81) trans-1,4-Dichloro-2-buten	13.56	75	202315	160.290	ug/l #	2

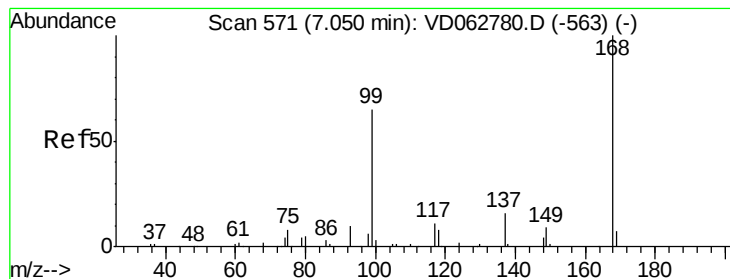
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD063027.D
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Quant Time: Jul 04 00:46:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD063027.D

Acq: 3 Jul 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

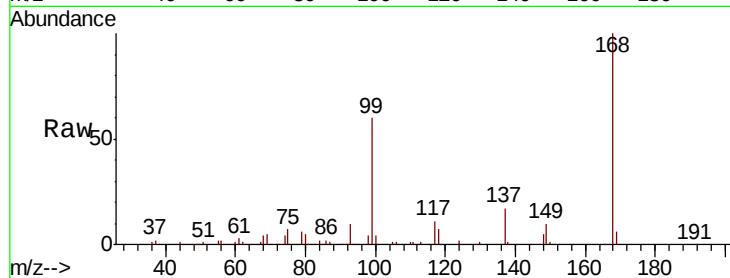
PILEA-07-01-19

Tot Ion:168 Resp: 872255

Ion Ratio Lower Upper

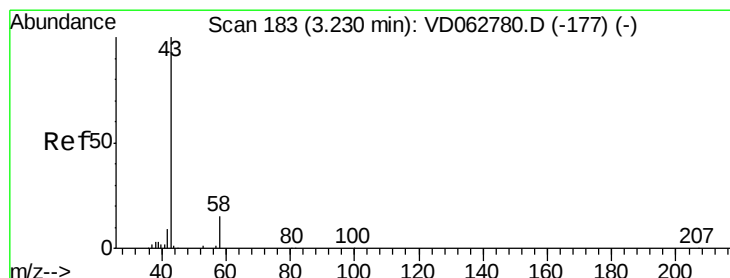
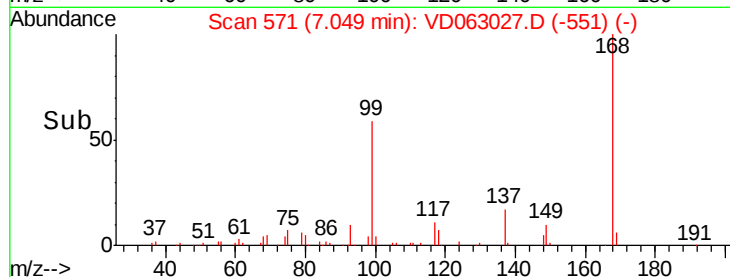
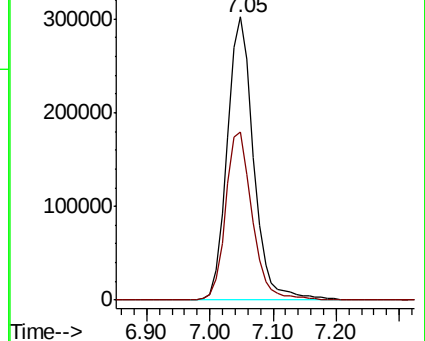
168 100

99 59.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: Below Cal

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD063027.D

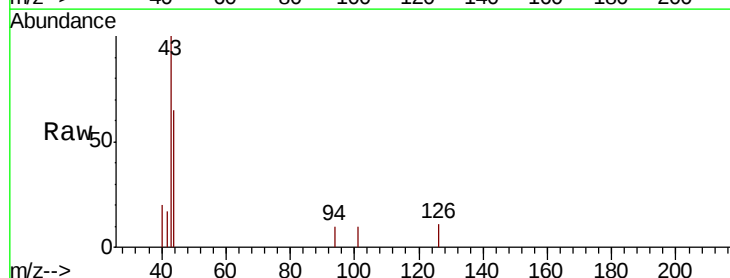
Acq: 3 Jul 2019 16:31

Tgt Ion: 43 Resp: 7257

Ion Ratio Lower Upper

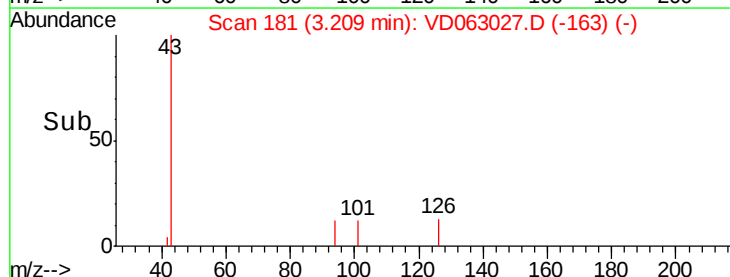
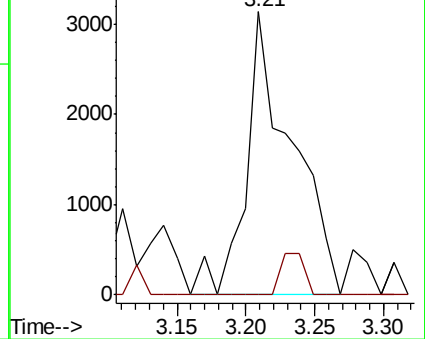
43 100

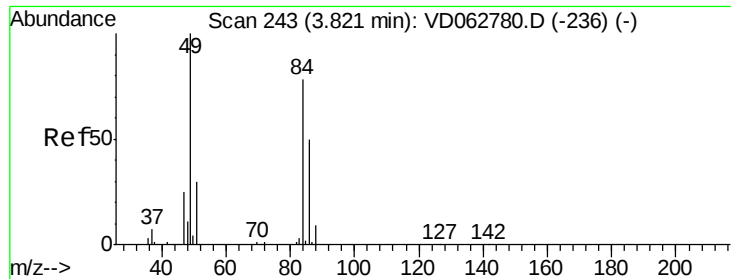
58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

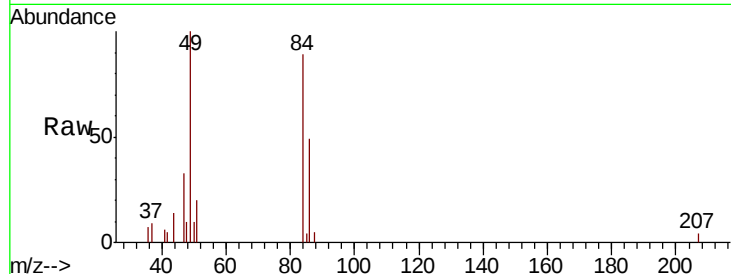




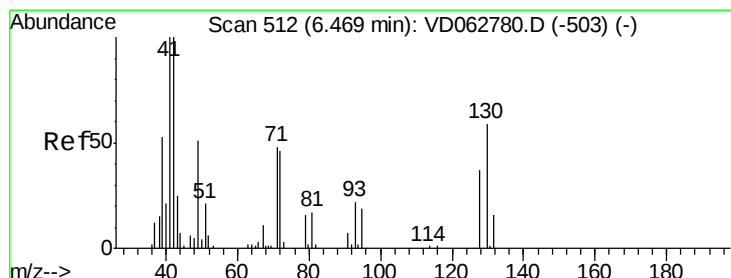
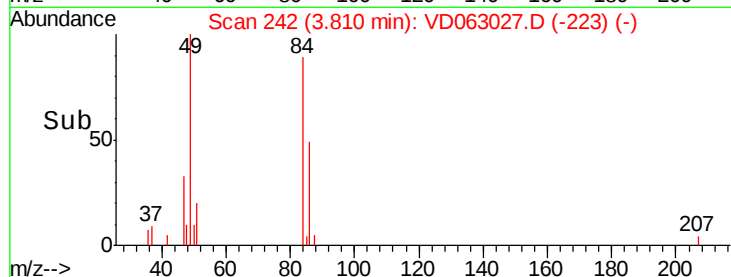
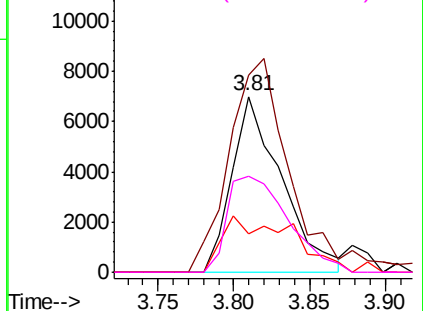
#20
Methylene Chloride
Concen: 2.212 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063027.D
Acq: 3 Jul 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
PILEA-07-01-19

Tot Ion: 84 Resp: 15995
Ion Ratio Lower Upper
84 100
49 112.4 102.9 154.3
51 22.1 31.2 46.8#
86 55.0 51.4 77.2

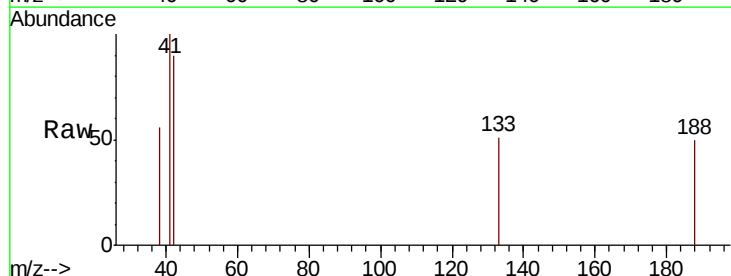


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

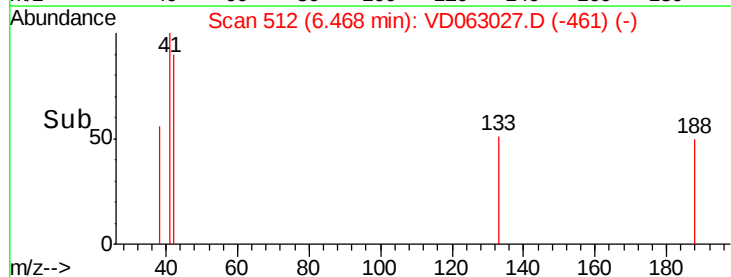
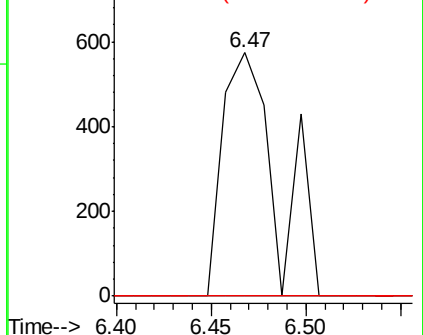


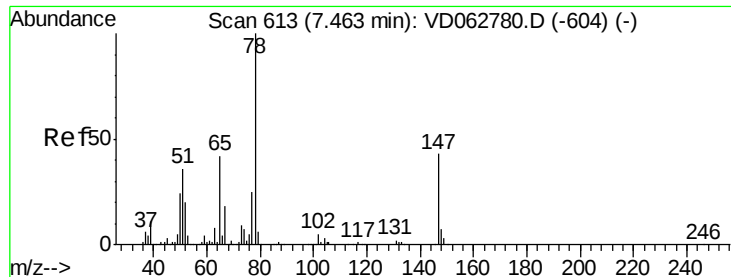
#29
Tetrahydrofuran
Concen: 1.364 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD063027.D
Acq: 3 Jul 2019 16:31

Tgt Ion: 42 Resp: 1144
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.6#
71 0.0 33.3 49.9#



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





#33

1,2-Dichloroethane-d4

Concen: 47.461 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063027.D

Acq: 3 Jul 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

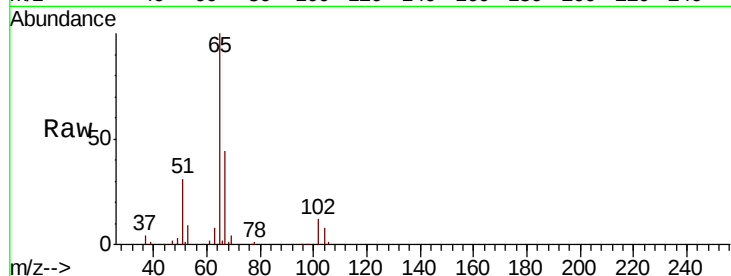
PILEA-07-01-19

Tot Ion: 65 Resp: 449995

Ion Ratio Lower Upper

65 100

67 44.5 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

150000

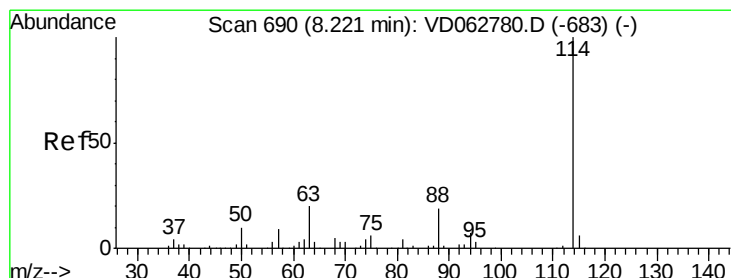
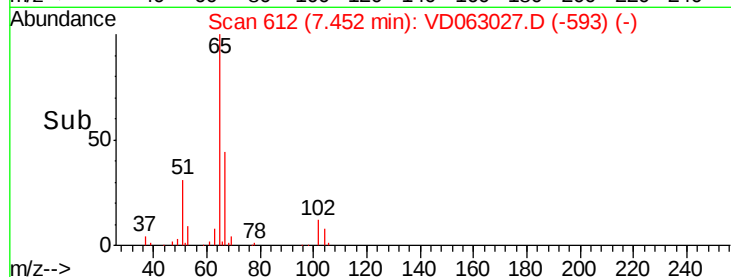
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD063027.D

Acq: 3 Jul 2019 16:31

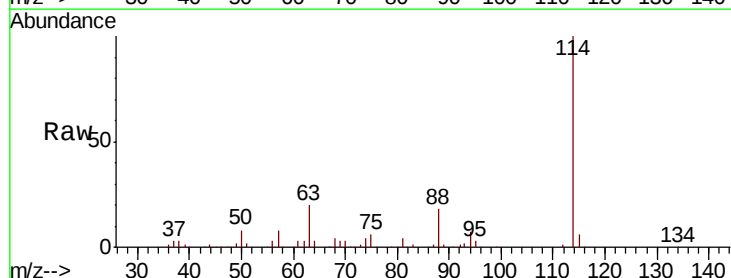
Tgt Ion: 114 Resp: 1161750

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 18.5 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

600000

500000

400000

300000

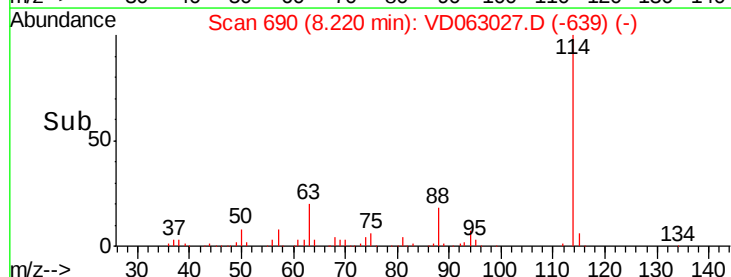
200000

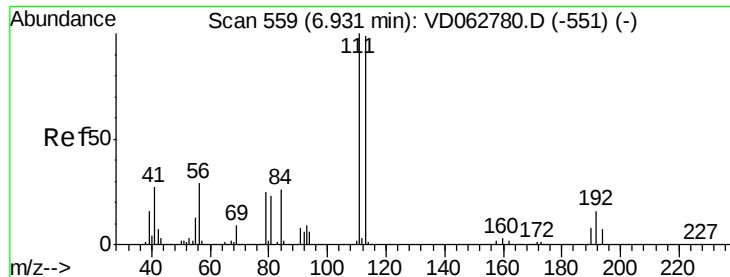
100000

0

Time-->

8.20 8.40

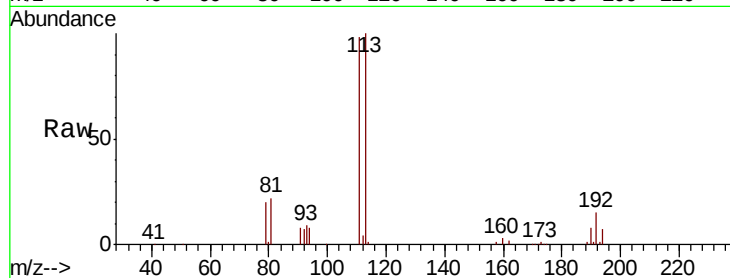




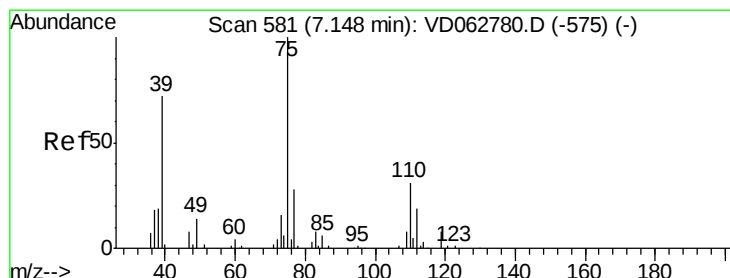
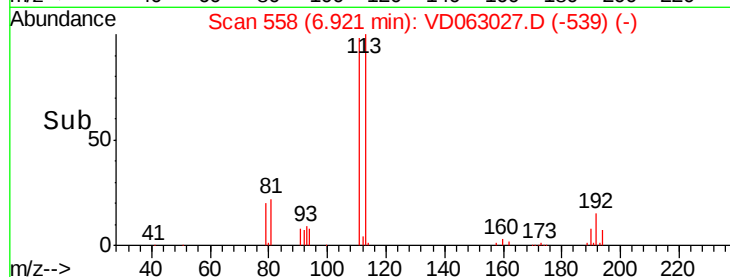
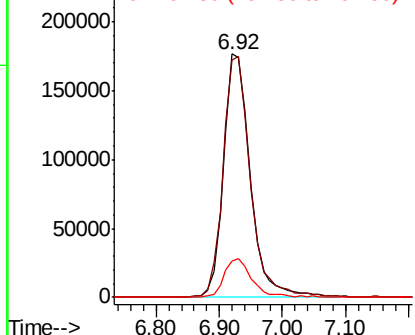
#35
 Dibromofluoromethane
 Concen: 53.030 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD063027.D
 Acq: 3 Jul 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 PILEA-07-01-19

Tot Ion:113 Resp: 519475
 Ion Ratio Lower Upper
 113 100
 111 97.6 81.2 121.8
 192 14.9 12.9 19.3

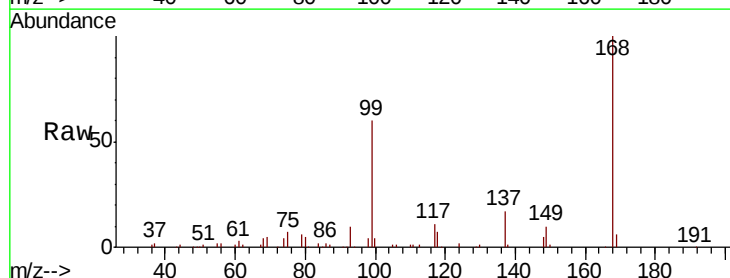


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

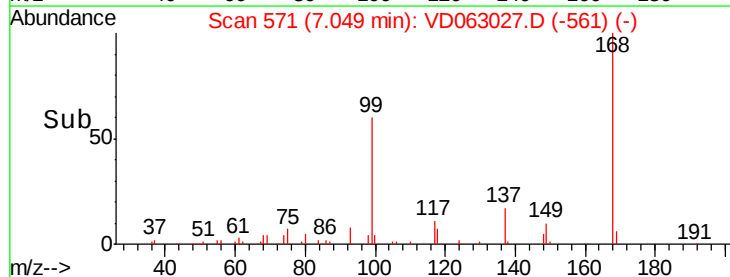
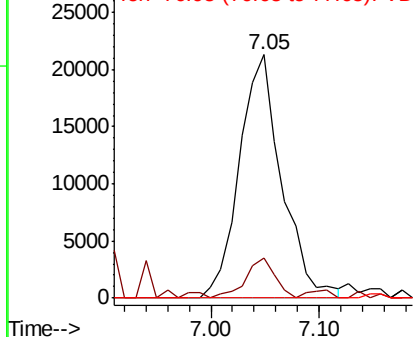


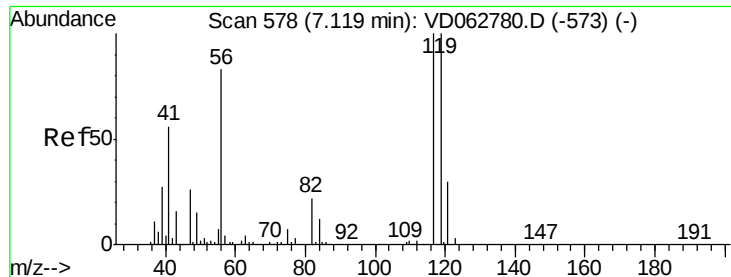
#36
 1,1-Dichloropropene
 Concen: 5.259 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD063027.D
 Acq: 3 Jul 2019 16:31

Tgt Ion: 75 Resp: 57832
 Ion Ratio Lower Upper
 75 100
 110 16.3 15.0 45.1
 77 0.0 22.2 33.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.332 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD063027.D

Acq: 3 Jul 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

PILEA-07-01-19

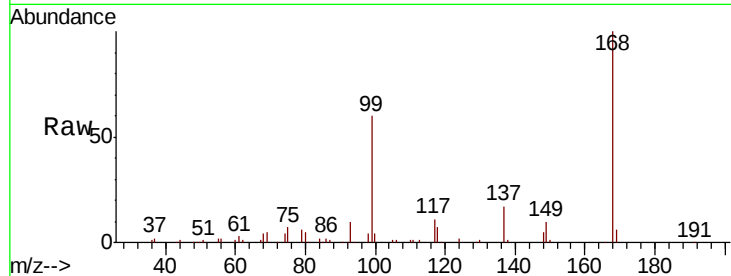
Tot Ion:117 Resp: 88184

Ion Ratio Lower Upper

117 100

119 3.8 75.4 113.2#

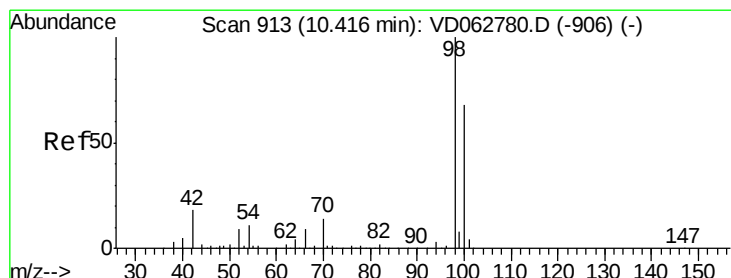
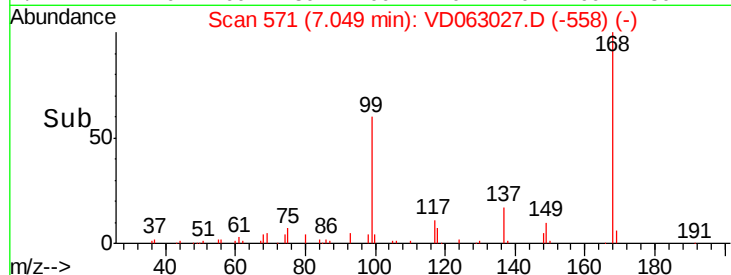
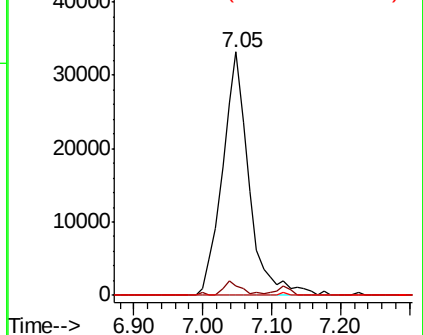
121 0.0 22.3 33.5#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: 50.235 ug/l

RT: 10.42 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD063027.D

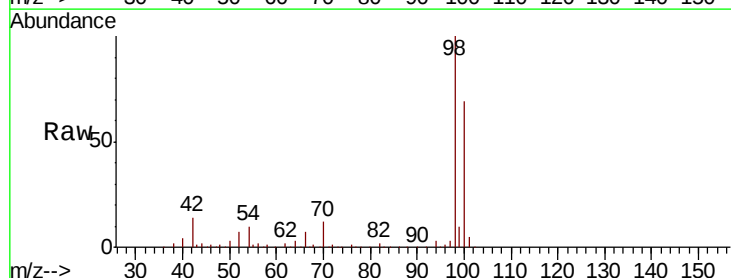
Acq: 3 Jul 2019 16:31

Tgt Ion: 98 Resp: 1071023

Ion Ratio Lower Upper

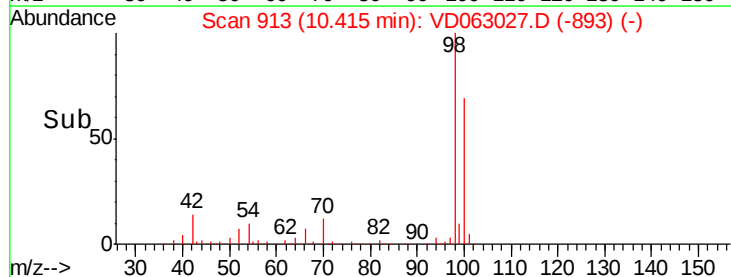
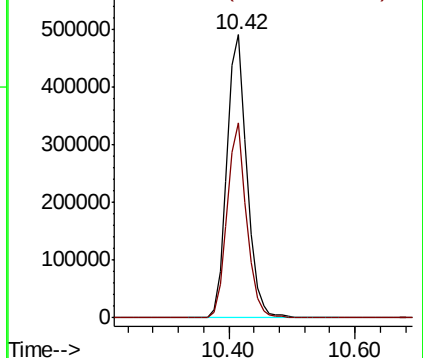
98 100

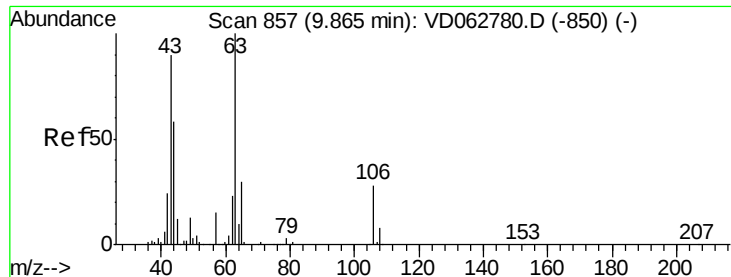
100 69.0 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

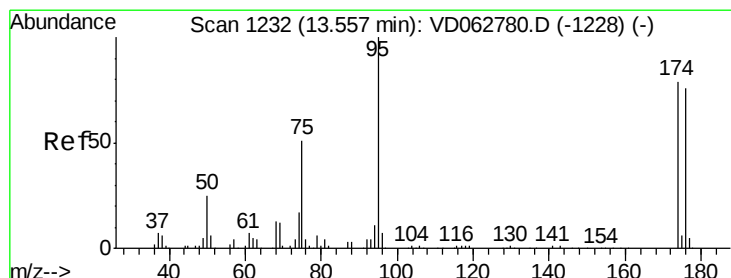
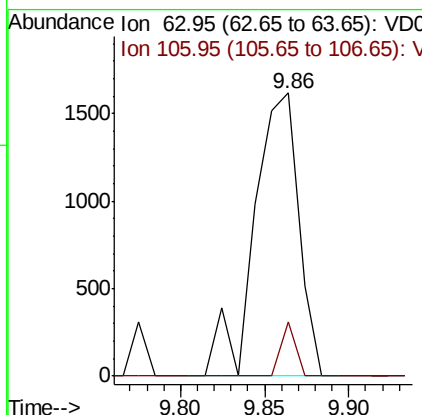
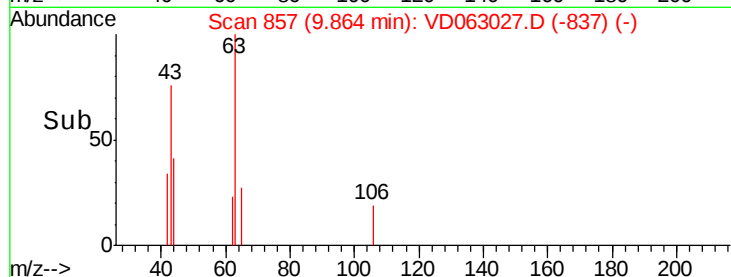
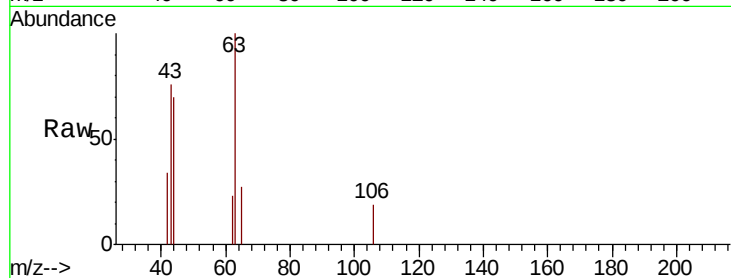




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.059 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD063027.D
 Acq: 3 Jul 2019 16:31

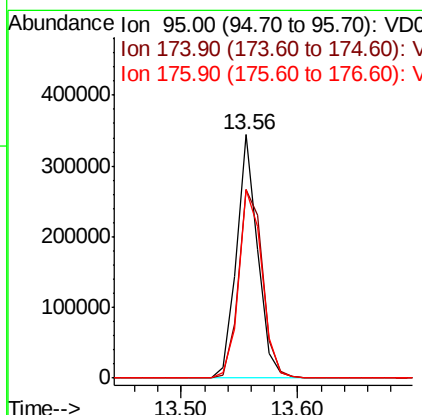
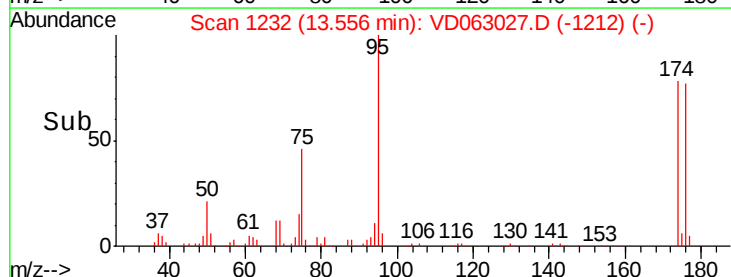
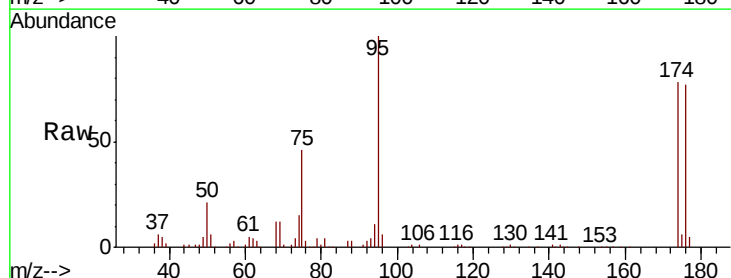
Instrument :
 MSVOA_D
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 PILEA-07-01-19

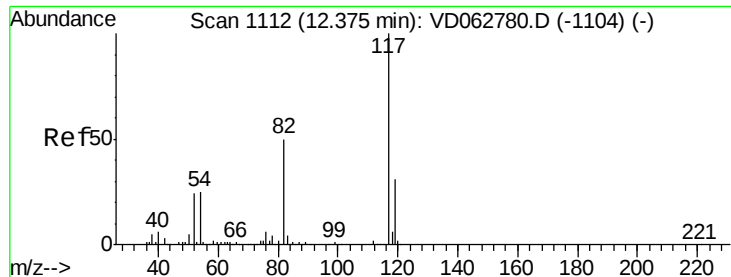
Tot Ion: 63 Resp: 2963
 Ion Ratio Lower Upper
 63 100
 106 19.0 22.1 33.1#



#62
 4-Bromofluorobenzene
 Concen: 44.634 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063027.D
 Acq: 3 Jul 2019 16:31

Tgt Ion: 95 Resp: 432699
 Ion Ratio Lower Upper
 95 100
 174 77.7 0.0 158.0
 176 77.3 0.0 151.6

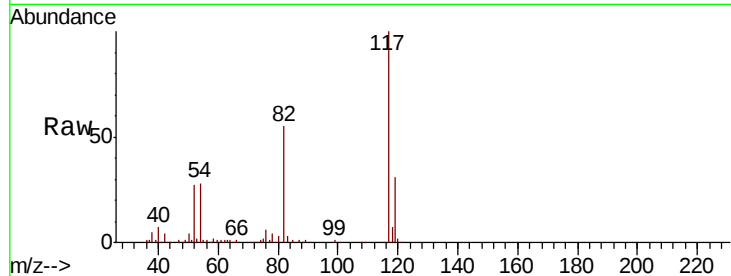




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063027.D
Acq: 3 Jul 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
PILEA-07-01-19

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	40.4	60.6
119	31.4	25.2	37.8

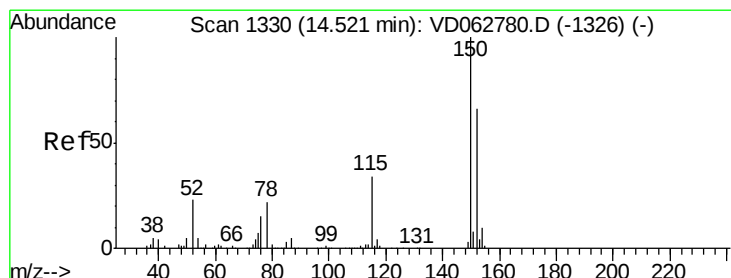
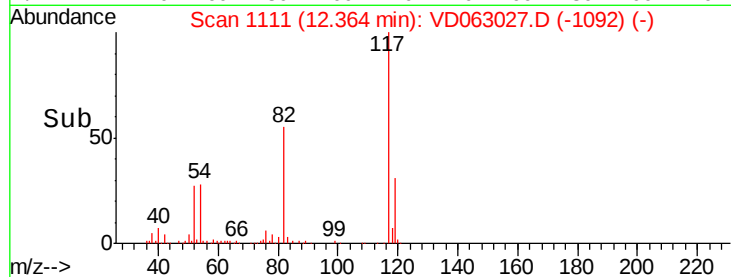
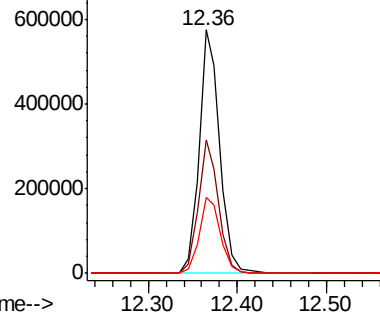


Abundance

Ion 116.95 (116.65 to 117.65): V

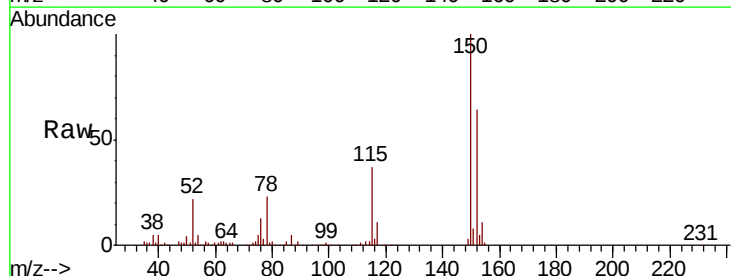
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063027.D
Acq: 3 Jul 2019 16:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.2	87.6
150	155.9	0.0	305.8

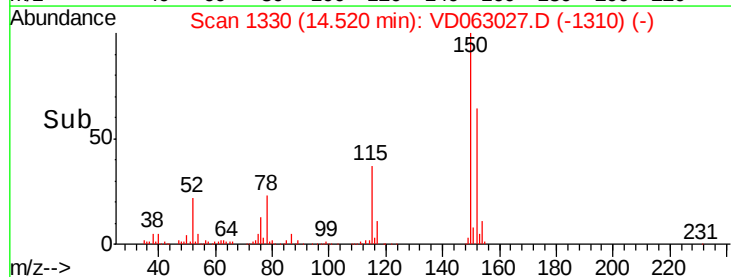
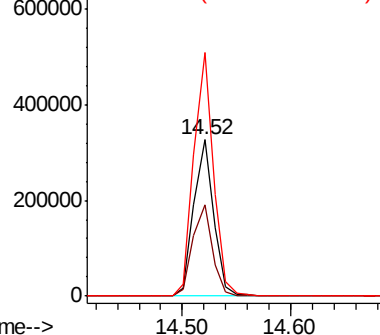


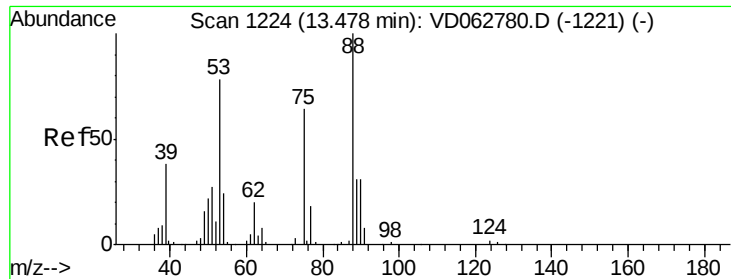
Abundance

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: 160.290 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063027.D

Acq: 3 Jul 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

PILEA-07-01-19

Tot Ion: 75 Resp: 202315

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

