

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061395.D
 Acq On : 28 Mar 2019 17:14
 Operator : VA/AP
 Sample : K2043-03
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB442-190319-(14-16)

Quant Time: Mar 29 04:35:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	37440	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.21	114	77705	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	64116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	26304	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	30825	96.38	ug/l	0.01
Spiked Amount			Recovery	=	192.76%	
35) Dibromofluoromethane	6.92	113	34868	58.72	ug/l	0.02
Spiked Amount			Recovery	=	117.44%	
50) Toluene-d8	10.41	98	71429	50.15	ug/l	0.02
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	13.55	95	27056	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	

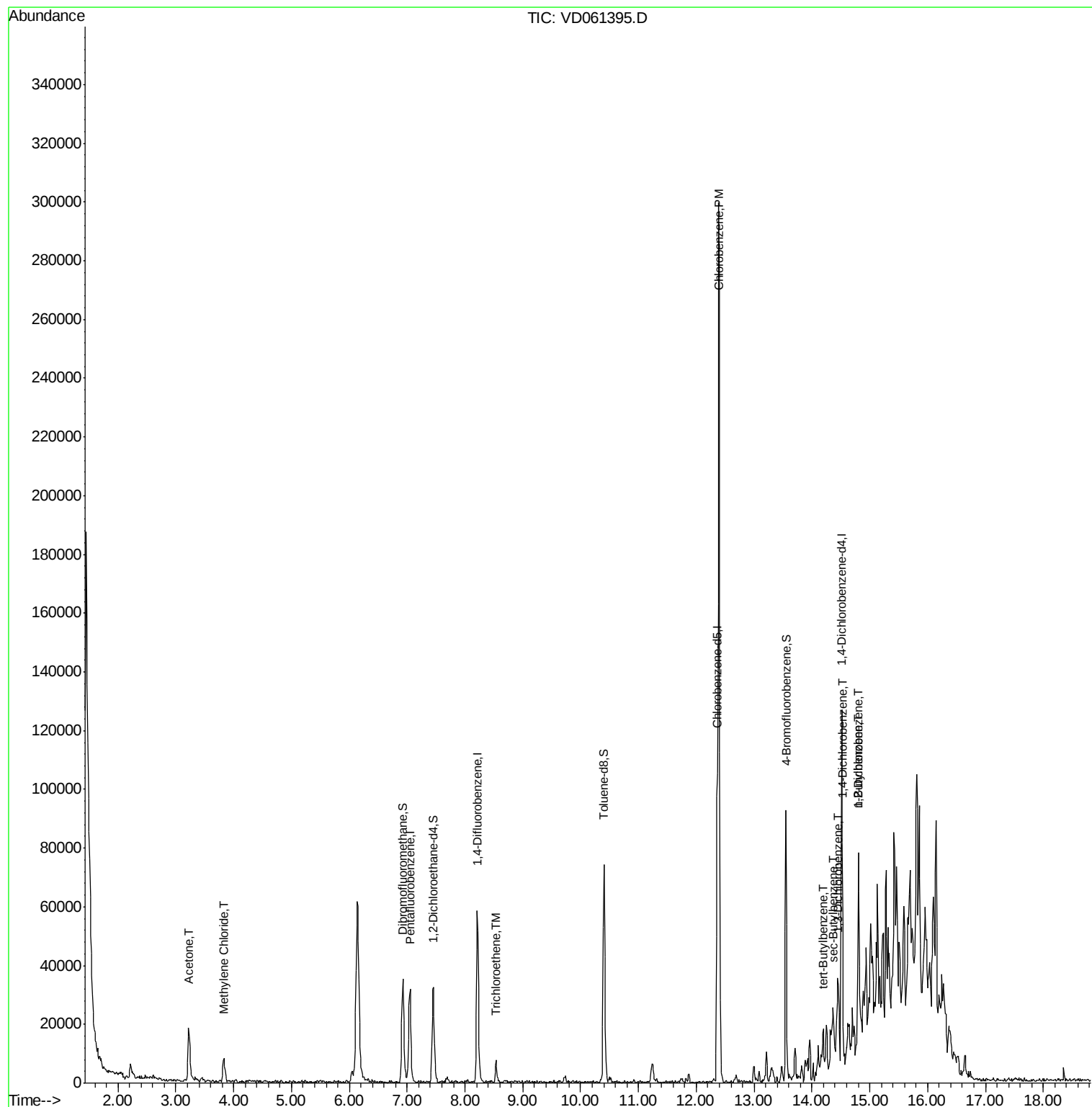
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	36152	439.715	ug/l	94
20) Methylene Chloride	3.83	84	5972	11.487	ug/l	91
44) Trichloroethene	8.54	130	3664	5.784	ug/l	97
65) Chlorobenzene	12.39	112	191671	146.278	ug/l	99
83) tert-Butylbenzene	14.18	119	2631	1.482	ug/l	91
85) sec-Butylbenzene	14.36	105	3775	2.002	ug/l	92
87) 1,3-Dichlorobenzene	14.45	146	8683	9.448	ug/l	89
88) 1,4-Dichlorobenzene	14.53	146	13185	14.711	ug/l	97
89) n-Butylbenzene	14.79	91	3360	2.296	ug/l	95
91) 1,2-Dichlorobenzene	14.80	146	5419	7.188	ug/l	89

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

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WP022SB442-190319-(14-16)

Quant Time: Mar 29 04:35:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061395.D

Acq: 28 Mar 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

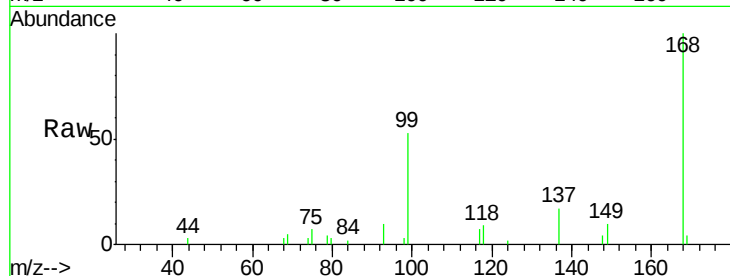
WP022SB442-190319-(14-16)

Tot Ion:168 Resp: 37440

Ion Ratio Lower Upper

168 100

99 52.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

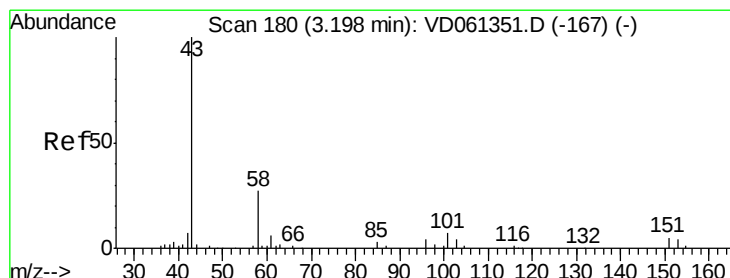
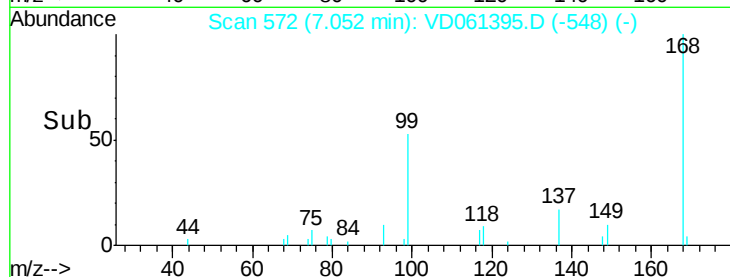
15000

10000

5000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 439.715 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061395.D

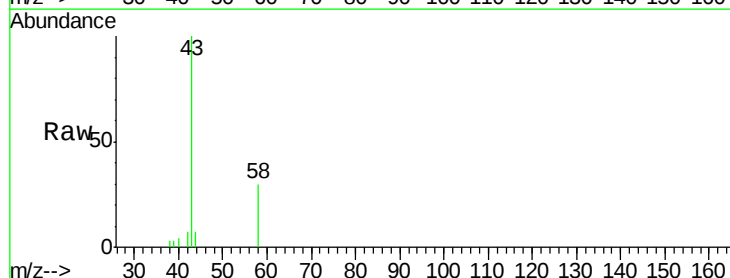
Acq: 28 Mar 2019 17:14

Tgt Ion: 43 Resp: 36152

Ion Ratio Lower Upper

43 100

58 30.1 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

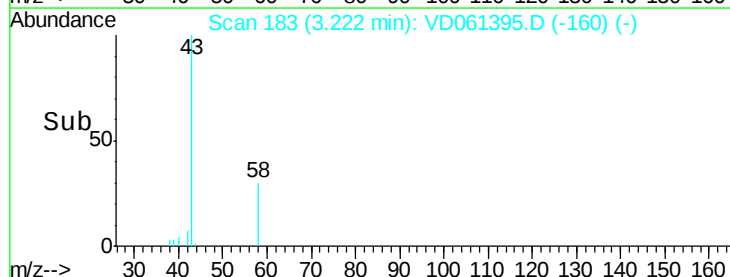
3.22

10000

5000

0

Time--> 3.10 3.20 3.30 3.40





#20

Methylene Chloride

Concen: 11.487 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD061395.D

Acq: 28 Mar 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

WP022SB442-190319-(14-16)

Tot Ion: 84 Resp: 5972

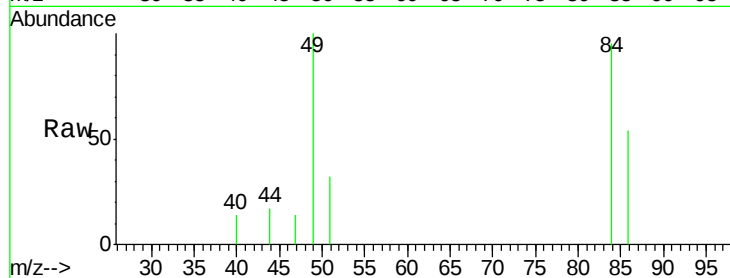
Ion Ratio Lower Upper

84 100

49 104.8 91.8 137.8

51 33.3 29.8 44.8

86 57.1 51.8 77.6

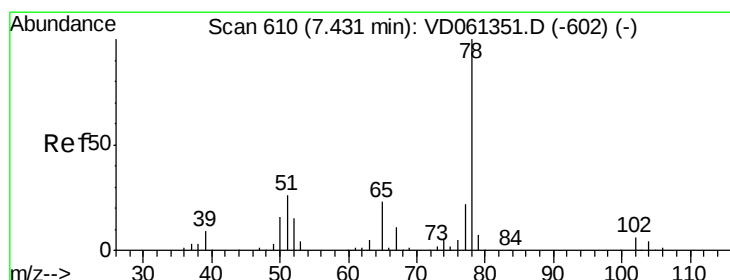
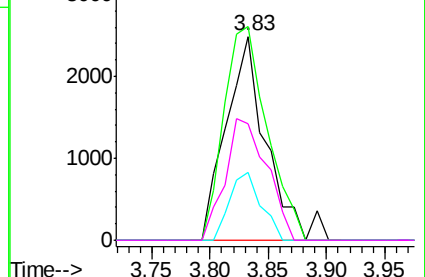
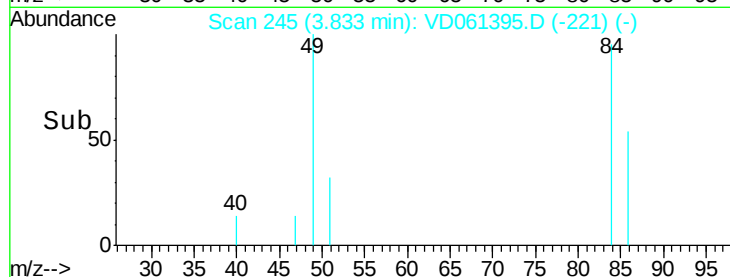


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061395.D

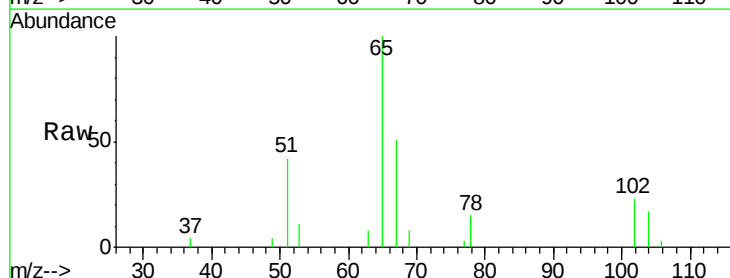
Acq: 28 Mar 2019 17:14

Tgt Ion: 65 Resp: 30825

Ion Ratio Lower Upper

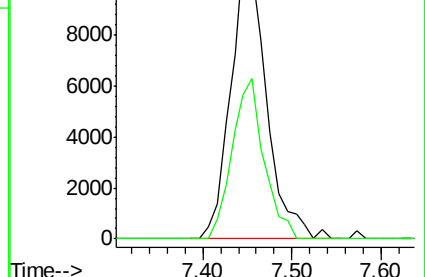
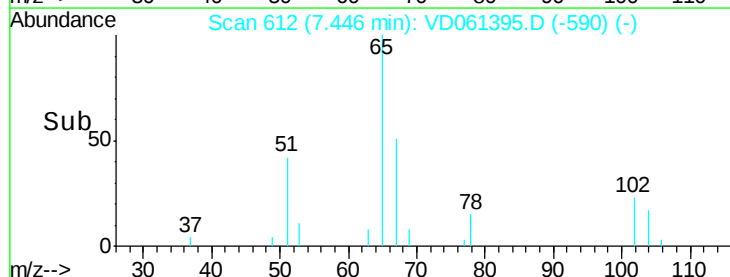
65 100

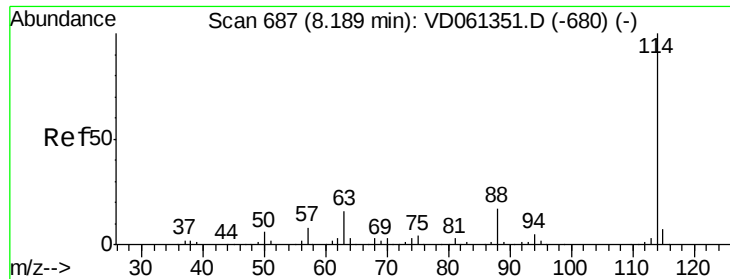
67 51.0 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

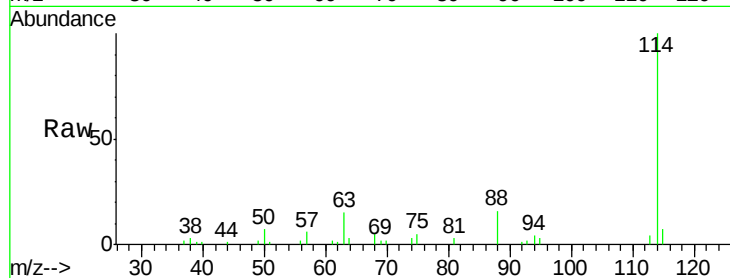




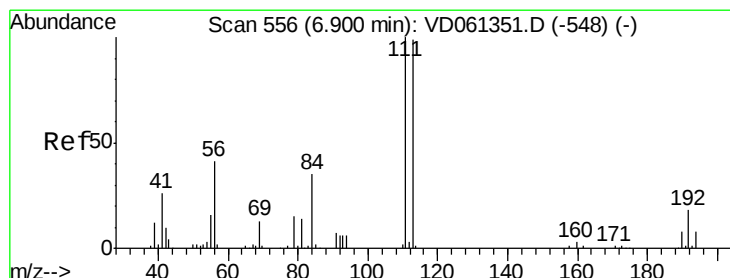
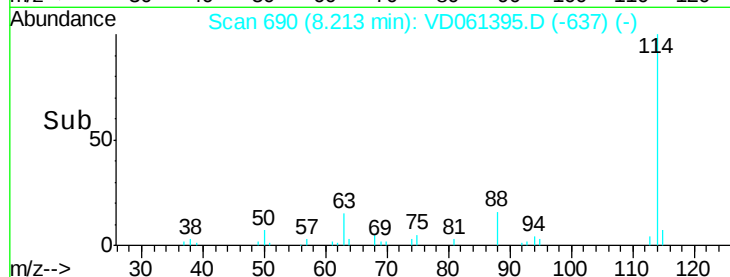
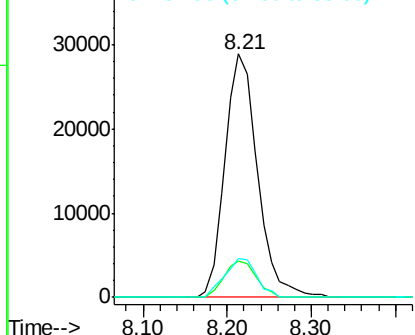
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD061395.D
 Acq: 28 Mar 2019 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB442-190319-(14-16)

Tot Ion:114 Resp: 77705
 Ion Ratio Lower Upper
 114 100
 63 14.7 0.0 31.6
 88 15.8 0.0 33.4

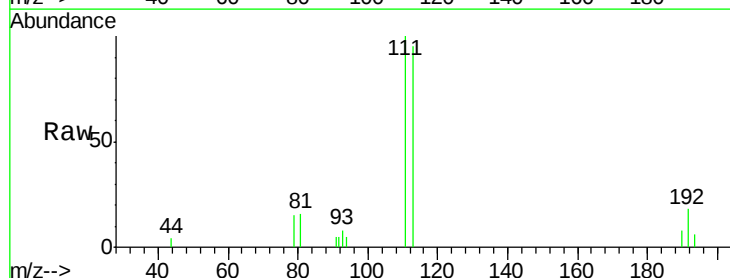


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

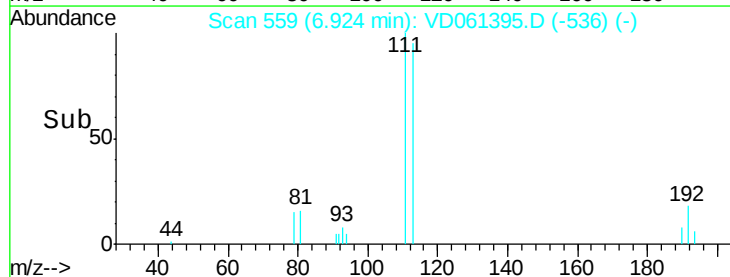
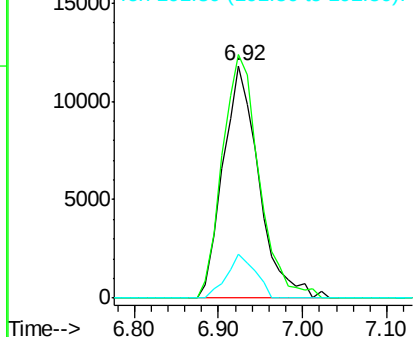


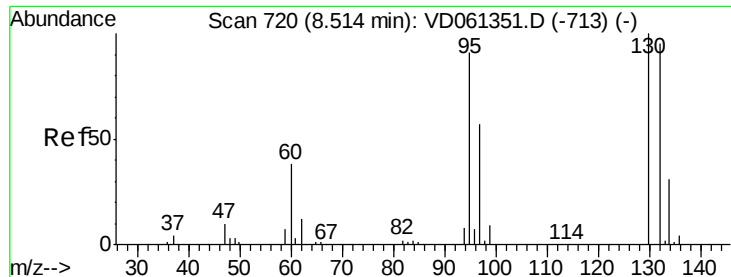
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD061395.D
 Acq: 28 Mar 2019 17:14

Tgt Ion:113 Resp: 34868
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.0 121.6
 192 18.7 14.4 21.6



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





#44

Trichloroethene

Concen: 5.784 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.02 min

Lab File: VD061395.D

Acq: 28 Mar 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

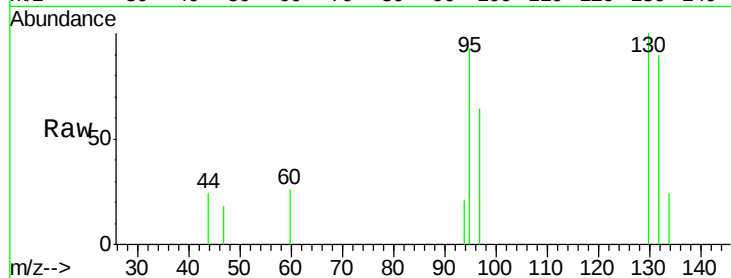
WP022SB442-190319-(14-16)

Tot Ion:130 Resp: 3664

Ion Ratio Lower Upper

130 100

95 93.4 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

8.54

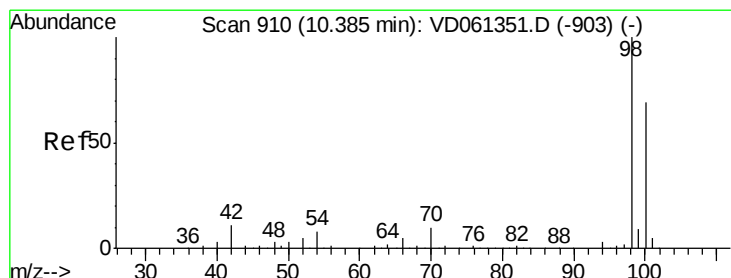
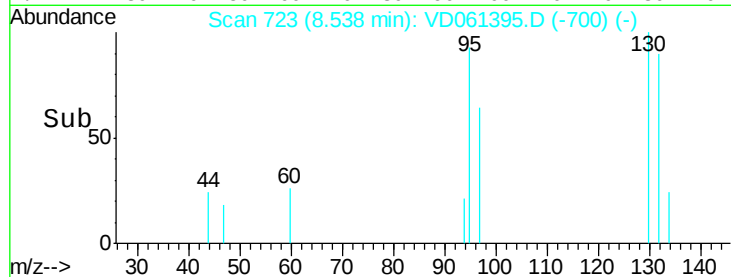
1500

1000

500

0

Time--> 8.45 8.50 8.55 8.60



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD061395.D

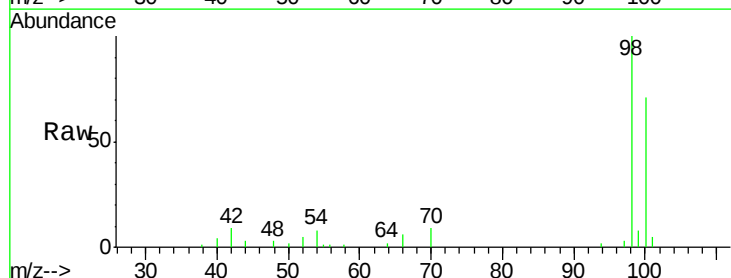
Acq: 28 Mar 2019 17:14

Tgt Ion: 98 Resp: 71429

Ion Ratio Lower Upper

98 100

100 71.5 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.41

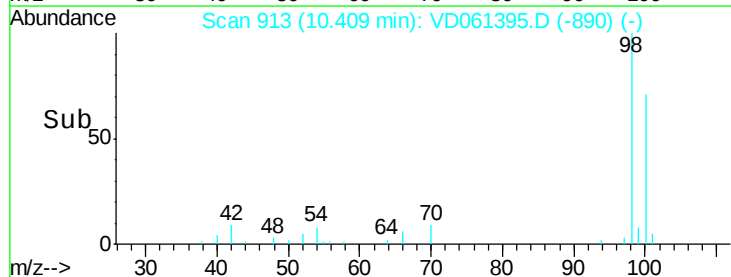
30000

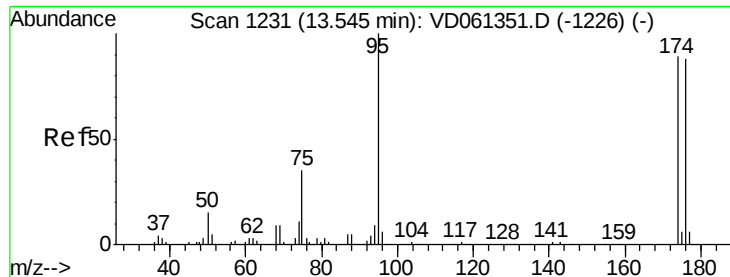
20000

10000

0

Time--> 10.30 10.40 10.50

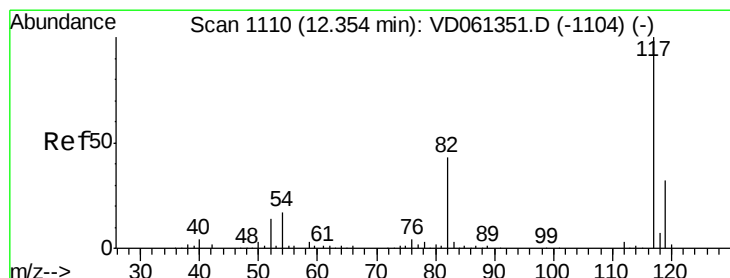
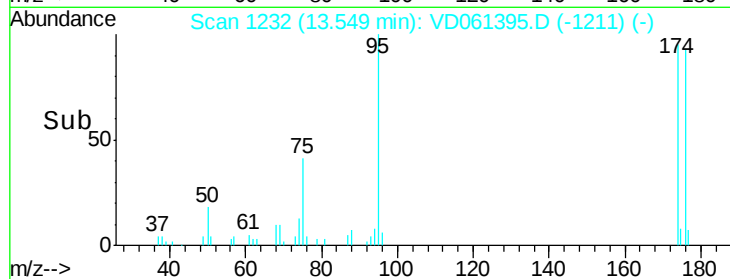
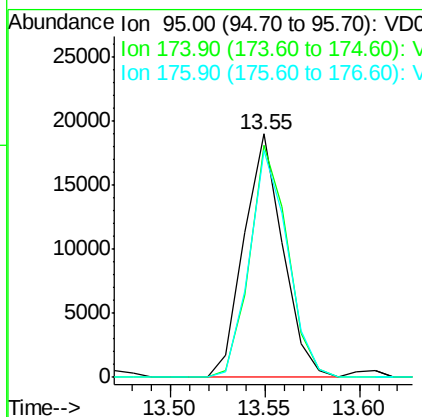
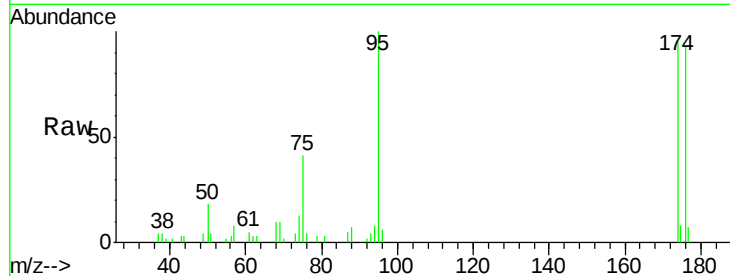




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061395.D
Acq: 28 Mar 2019 17:14

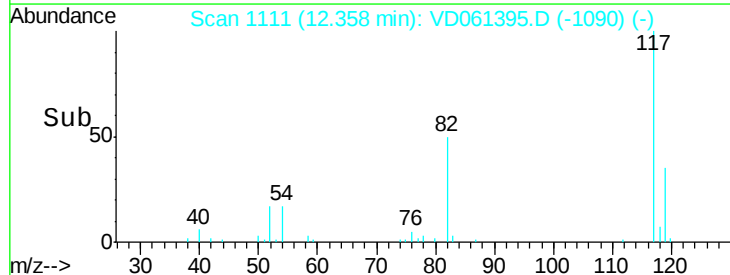
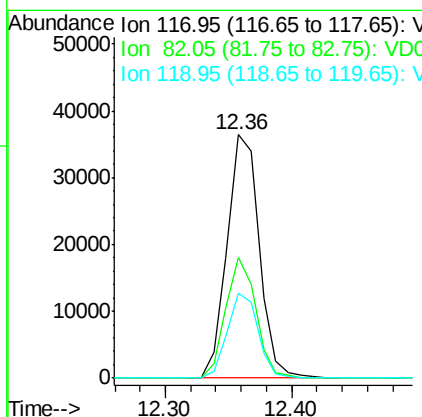
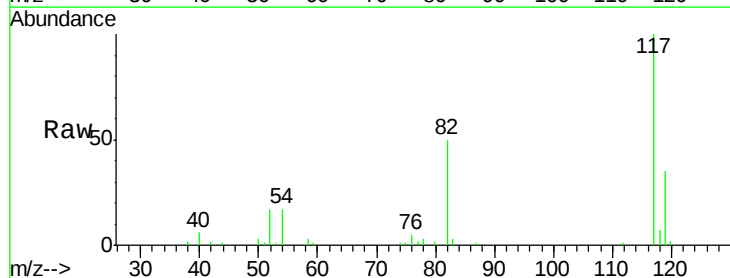
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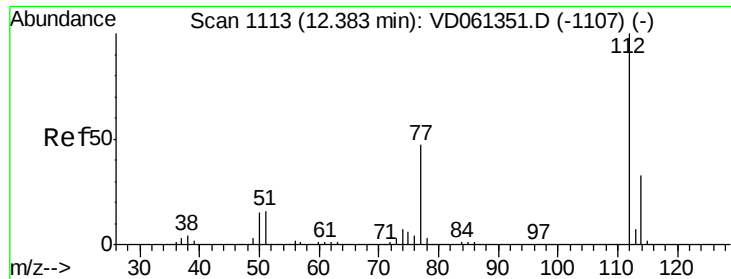
Tot Ion: 95 Resp: 27056
Ion Ratio Lower Upper
95 100
174 95.4 0.0 178.0
176 93.1 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061395.D
Acq: 28 Mar 2019 17:14

Tgt Ion: 117 Resp: 64116
Ion Ratio Lower Upper
117 100
82 49.5 34.4 51.6
119 34.8 25.8 38.6

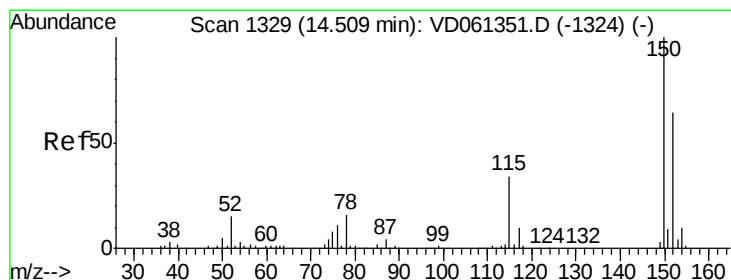
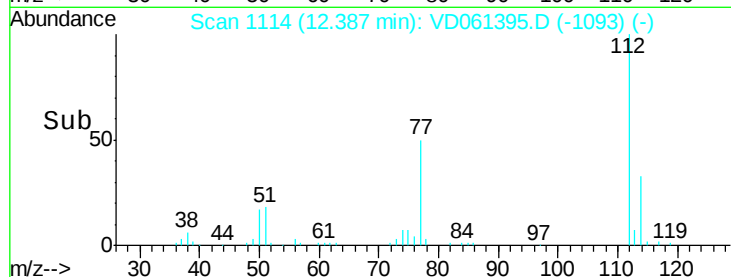
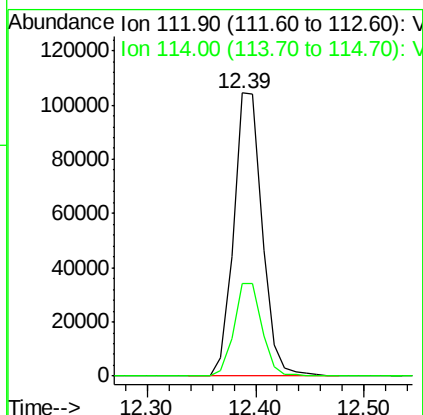
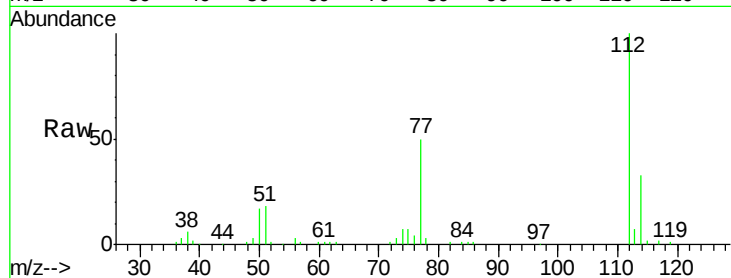




#65
Chlorobenzene
Concen: 146.278 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061395.D
Acq: 28 Mar 2019 17:14

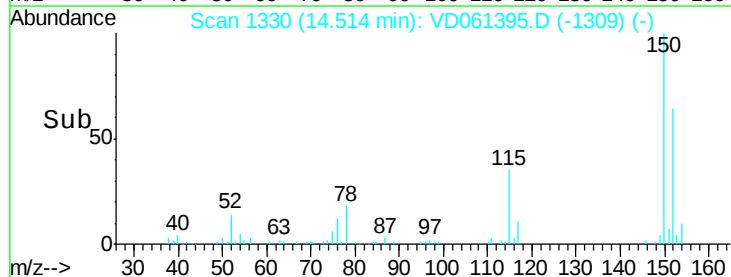
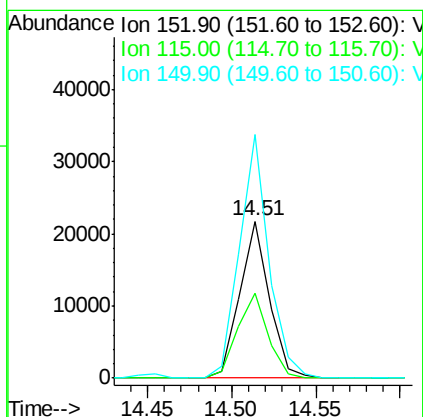
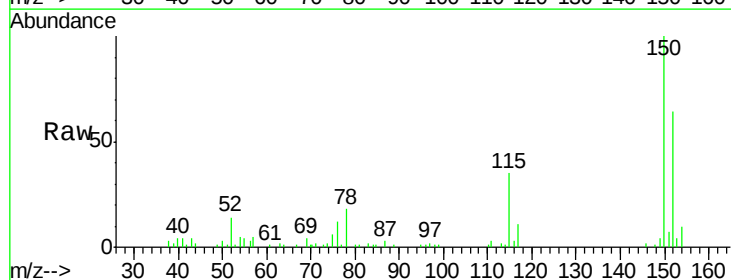
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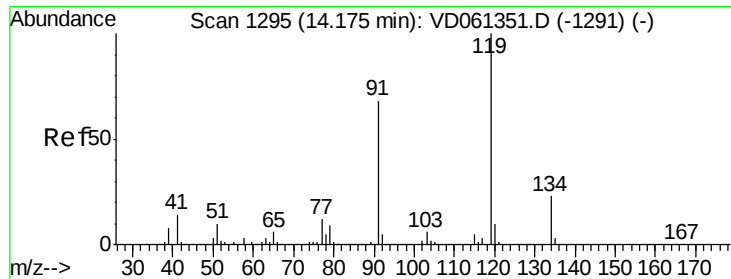
Tot Ion:112 Resp: 191671
Ion Ratio Lower Upper
112 100
114 32.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061395.D
Acq: 28 Mar 2019 17:14

Tgt Ion:152 Resp: 26304
Ion Ratio Lower Upper
152 100
115 54.4 26.9 80.6
150 155.3 0.0 318.0





#83

tert-Butylbenzene

Concen: 1.482 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VD061395.D

Acq: 28 Mar 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

WP022SB442-190319-(14-16)

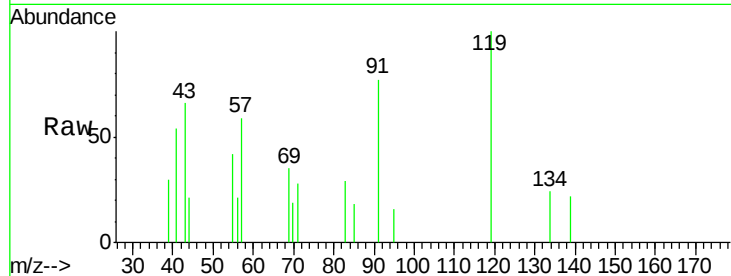
Tot Ion:119 Resp: 2631

Ion Ratio Lower Upper

119 100

91 77.4 34.1 102.3

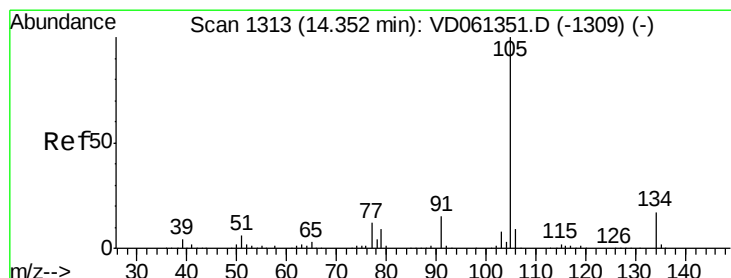
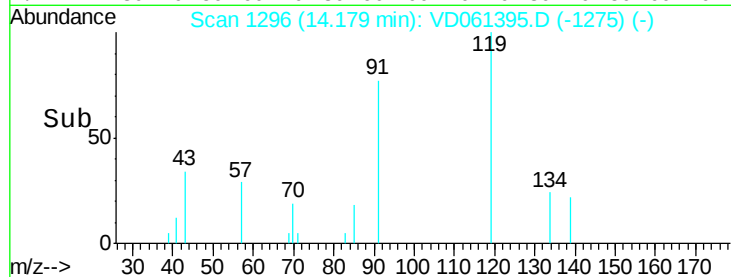
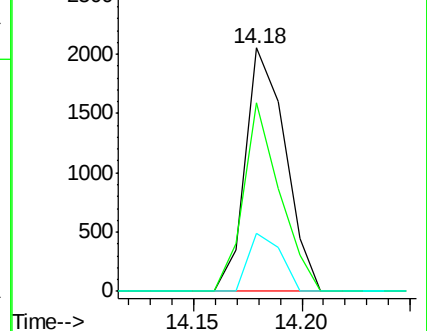
134 23.8 11.6 34.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 2.002 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD061395.D

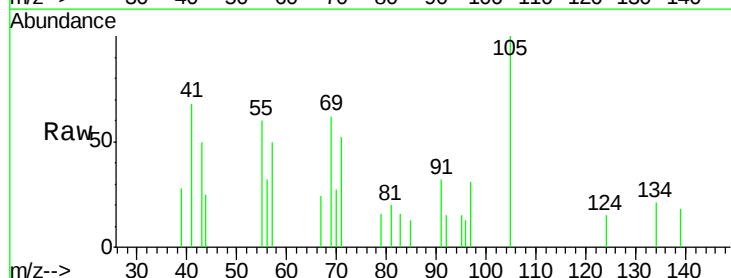
Acq: 28 Mar 2019 17:14

Tgt Ion:105 Resp: 3775

Ion Ratio Lower Upper

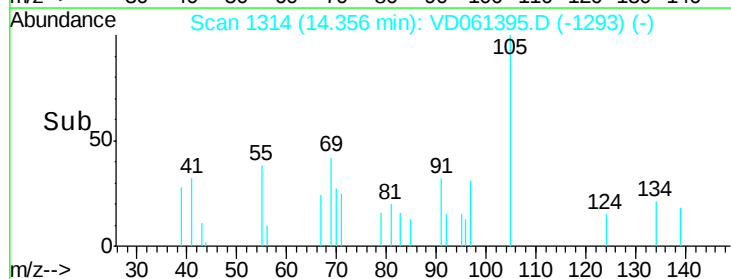
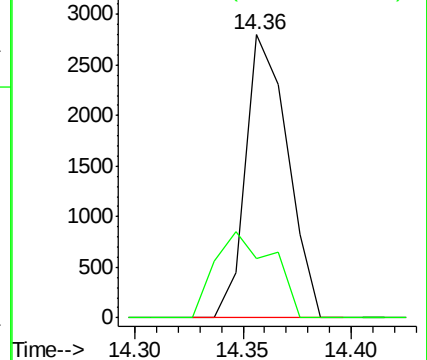
105 100

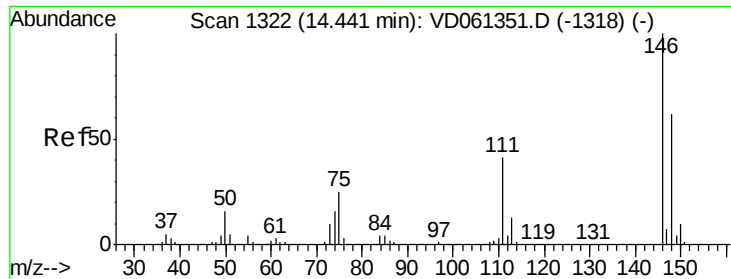
134 20.8 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

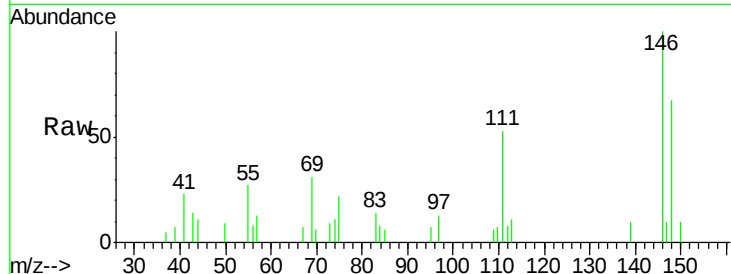




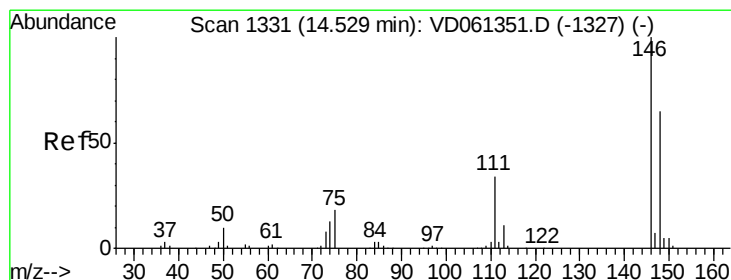
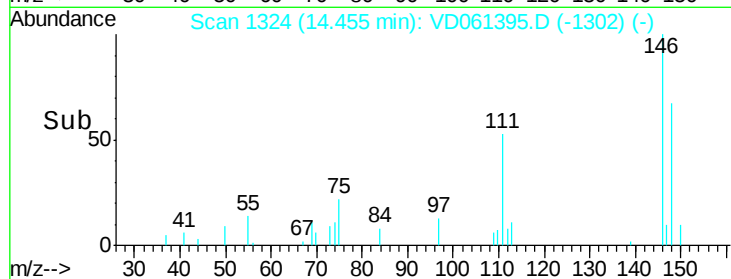
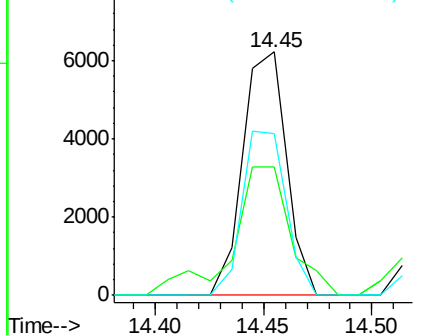
#87
 1,3-Dichlorobenzene
 Concen: 9.448 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061395.D
 Acq: 28 Mar 2019 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB442-190319-(14-16)

Tot Ion:146 Resp: 8683
 Ion Ratio Lower Upper
 146 100
 111 52.9 20.6 61.9
 148 66.7 31.1 93.3

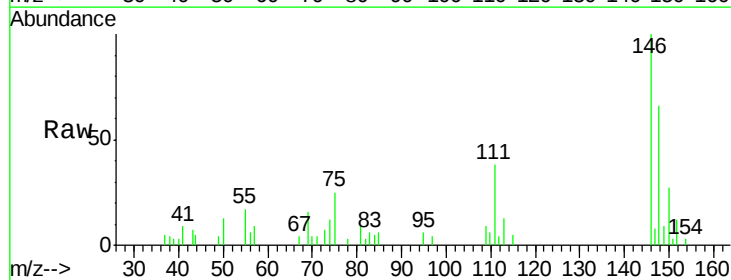


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

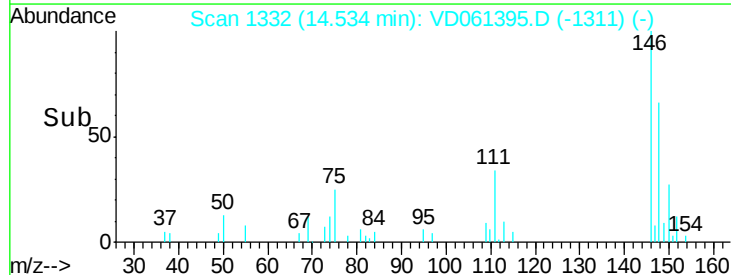
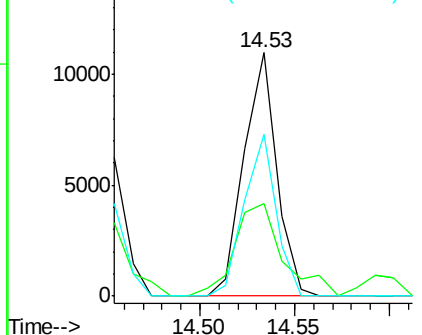


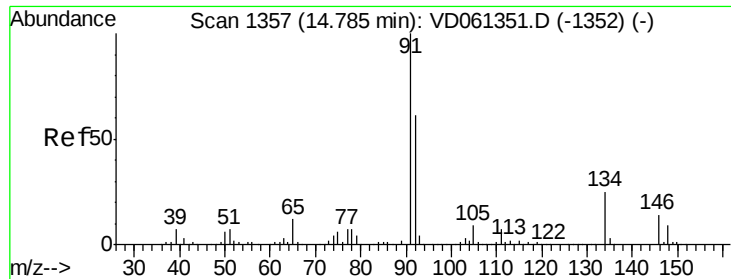
#88
 1,4-Dichlorobenzene
 Concen: 14.711 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061395.D
 Acq: 28 Mar 2019 17:14

Tgt Ion:146 Resp: 13185
 Ion Ratio Lower Upper
 146 100
 111 37.9 16.8 50.4
 148 66.2 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

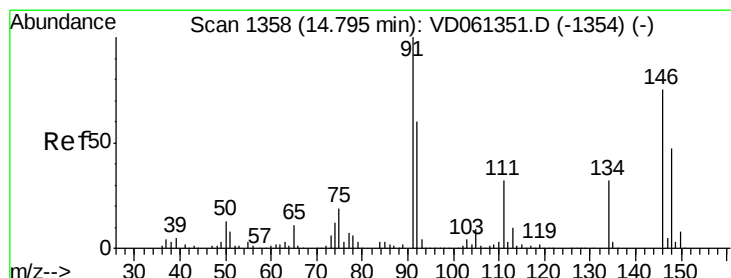
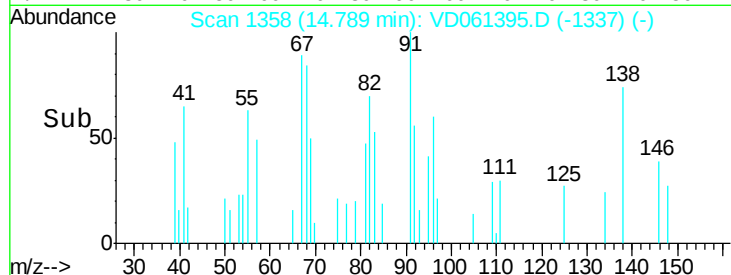
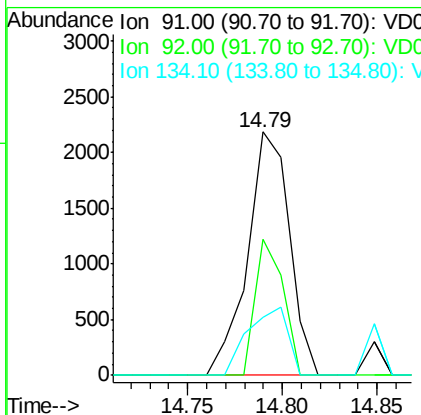
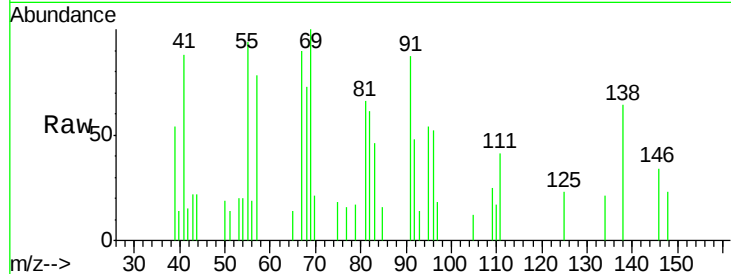




#89
n-Butylbenzene
Concen: 2.296 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061395.D
Acq: 28 Mar 2019 17:14

Instrument :
MSVOA_D
ClientSampleId :
WP022SB442-190319-(14-16)

Tot Ion: 91 Resp: 3360
Ion Ratio Lower Upper
91 100
92 55.7 30.3 91.0
134 23.9 12.4 37.0



#91
1,2-Dichlorobenzene
Concen: 7.188 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD061395.D
Acq: 28 Mar 2019 17:14

Tgt Ion: 146 Resp: 5419
Ion Ratio Lower Upper
146 100
111 52.5 21.2 63.6
148 57.4 31.6 95.0

