

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061397.D
 Acq On : 28 Mar 2019 18:09
 Operator : VA/AP
 Sample : K2097-01RE
 Misc : 3.38g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-20RE

Quant Time: Mar 29 01:21:13 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	7.03	168	461802	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	665859	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	381529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	78730	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	196899	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
35) Dibromofluoromethane	6.91	113	326705	64.21	ug/l	0.01
Spiked Amount			Recovery	=	128.42%	
50) Toluene-d8	10.40	98	637472	52.23	ug/l	0.01
Spiked Amount			Recovery	=	104.46%	
62) 4-Bromofluorobenzene	13.55	95	140640	30.05	ug/l	0.00
Spiked Amount			Recovery	=	60.10%	

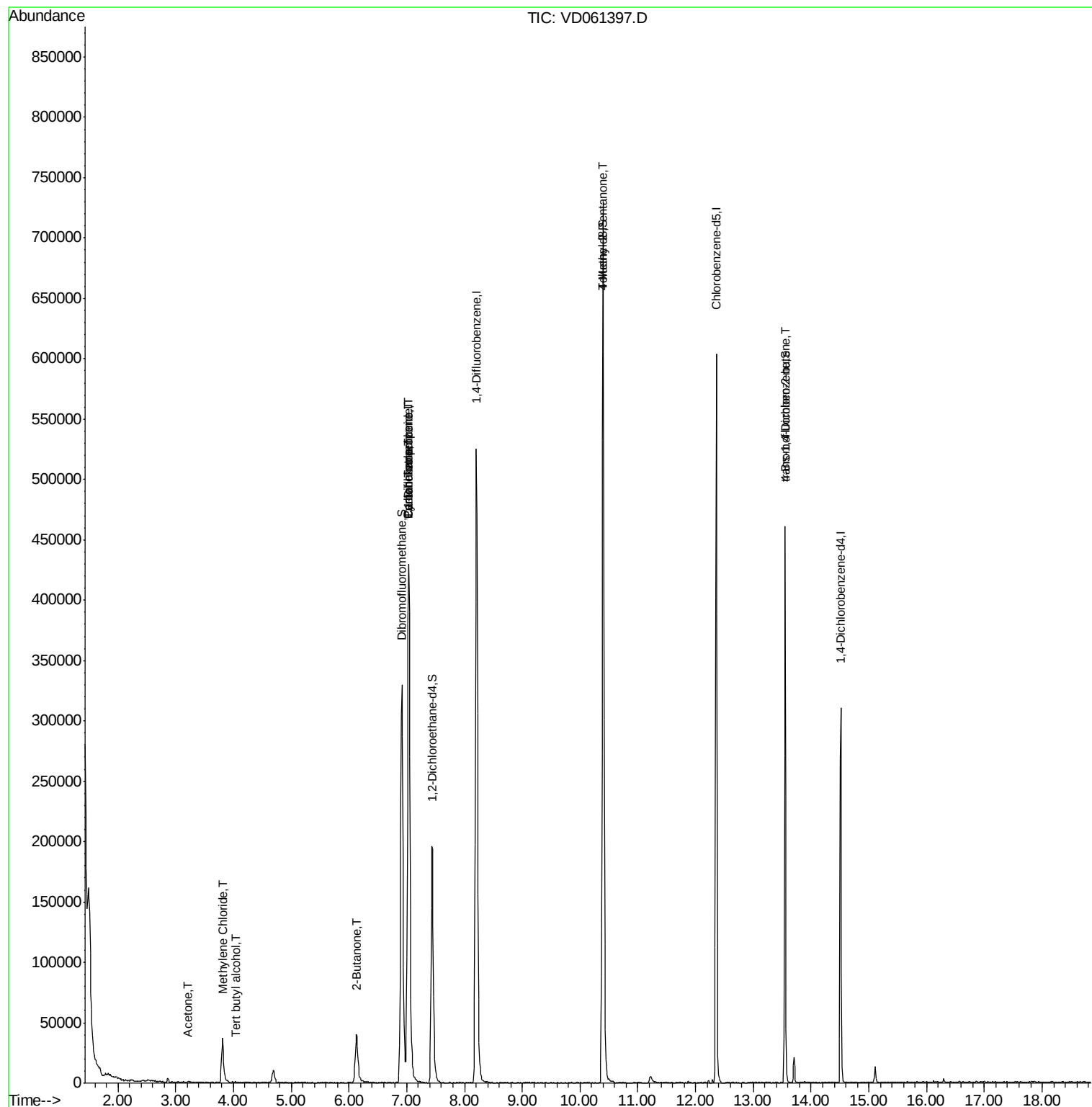
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.04	59	909	3.700	ug/l #	76
16) Acetone	3.22	43	1124	1.108	ug/l #	48
20) Methylene Chloride	3.81	84	26338	2.825	ug/l	87
25) 2-Butanone	6.14	43	1716	1.345	ug/l #	54
31) Cyclohexane	7.02	56	7251	1.067	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	33897	5.833	ug/l #	44
38) Carbon Tetrachloride	7.03	117	42891	6.423	ug/l #	13
51) 4-Methyl-2-Pentanone	10.40	43	2331	1.060	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	51921	149.734	ug/l #	18

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

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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: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD061397.D

Acq: 28 Mar 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

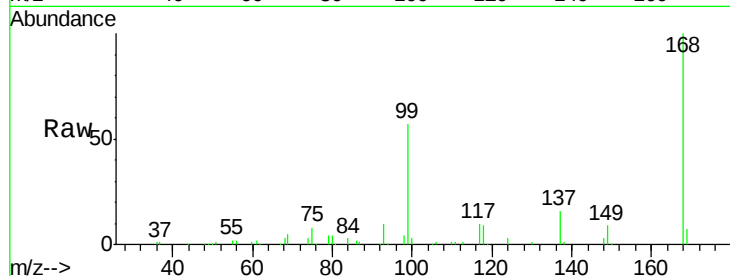
CS-20RE

Tot Ion:168 Resp: 461802

Ion Ratio Lower Upper

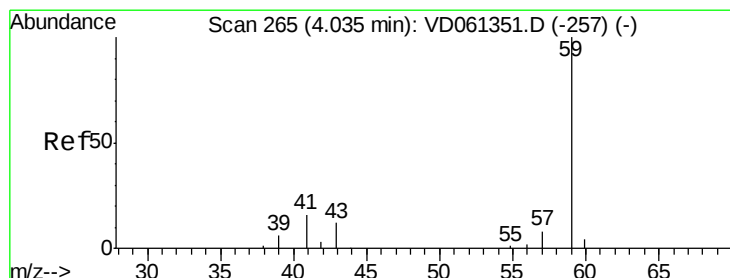
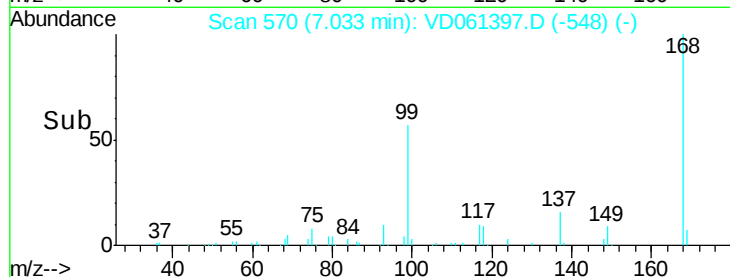
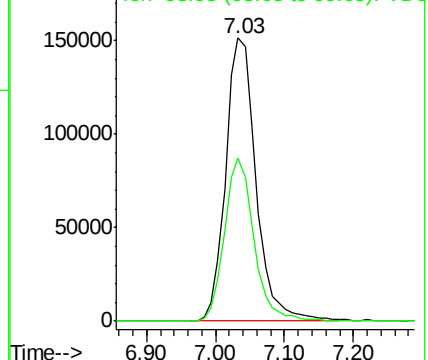
168 100

99 57.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 3.700 ug/l

RT: 4.04 min Scan# 266

Delta R.T. 0.01 min

Lab File: VD061397.D

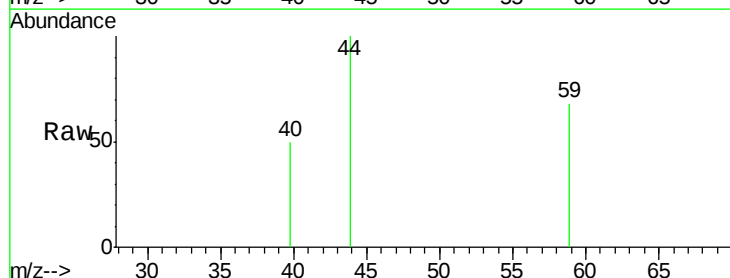
Acq: 28 Mar 2019 18:09

Tgt Ion: 59 Resp: 909

Ion Ratio Lower Upper

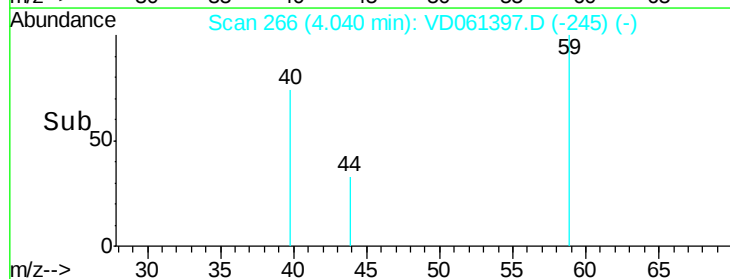
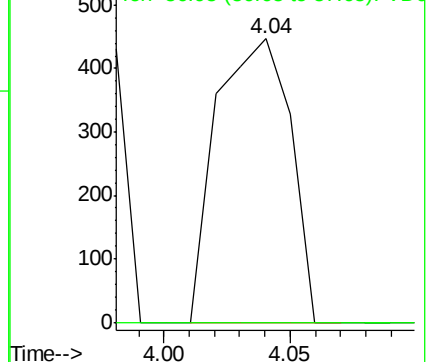
59 100

57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 1.108 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061397.D

Acq: 28 Mar 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

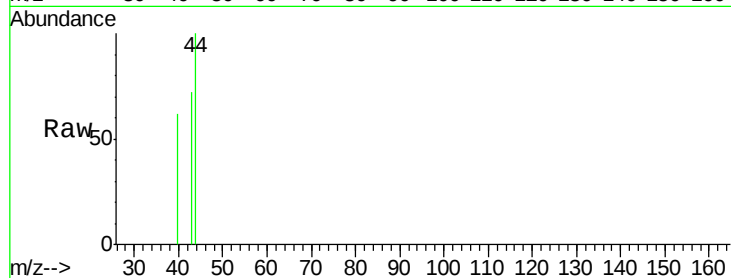
CS-20RE

Tot Ion: 43 Resp: 1124

Ion Ratio Lower Upper

43 100

58 0.0 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

400

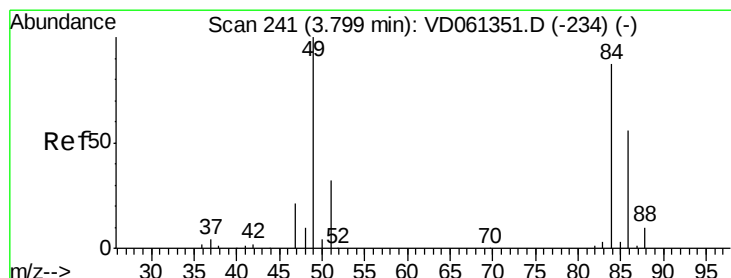
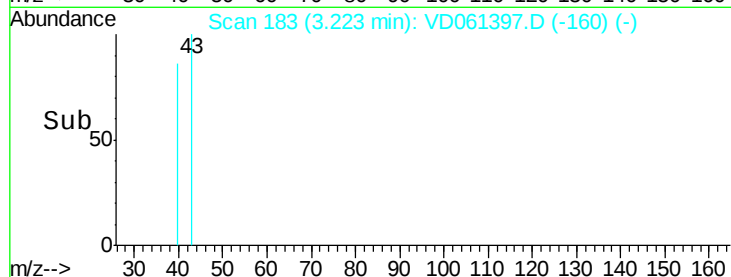
300

200

100

0

Time--> 3.15 3.20 3.25



#20

Methylene Chloride

Concen: 2.825 ug/l

RT: 3.81 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD061397.D

Acq: 28 Mar 2019 18:09

Tgt Ion: 84 Resp: 26338

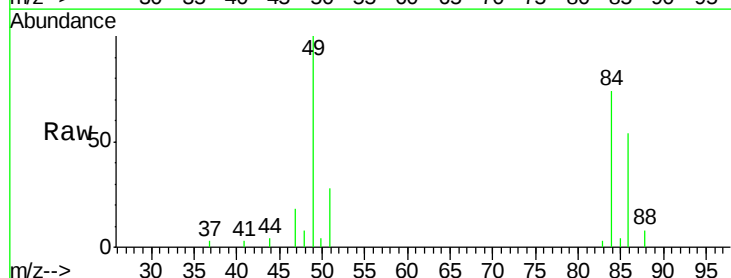
Ion Ratio Lower Upper

84 100

49 134.5 91.8 137.8

51 37.3 29.8 44.8

86 72.7 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

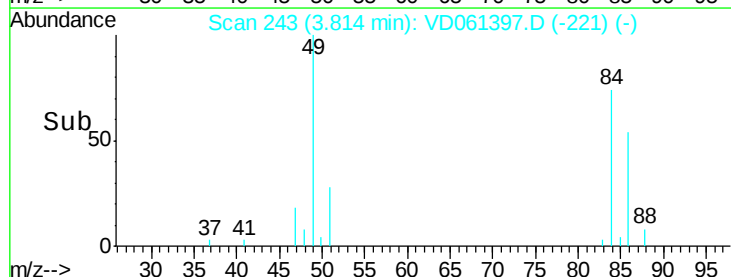
15000

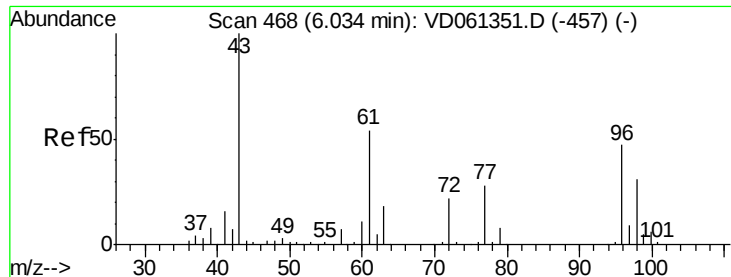
10000

5000

0

Time--> 3.70 3.80 3.90





#25

2-Butanone

Concen: 1.345 ug/l

RT: 6.14 min Scan# 479

Delta R.T. 0.10 min

Lab File: VD061397.D

Acq: 28 Mar 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

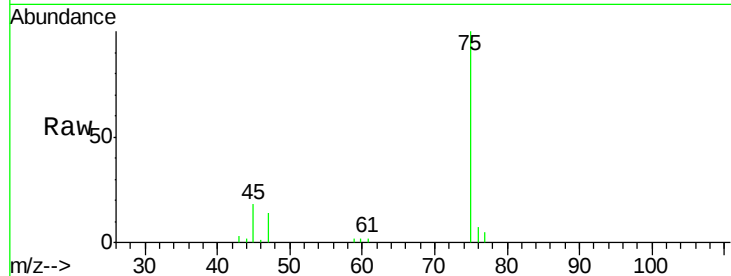
CS-20RE

Tot Ion: 43 Resp: 1716

Ion Ratio Lower Upper

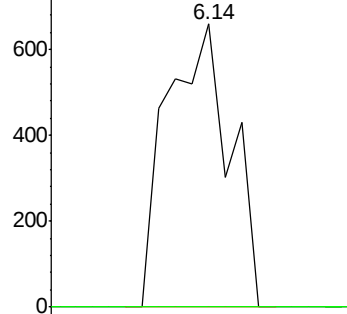
43 100

72 0.0 17.2 25.8#

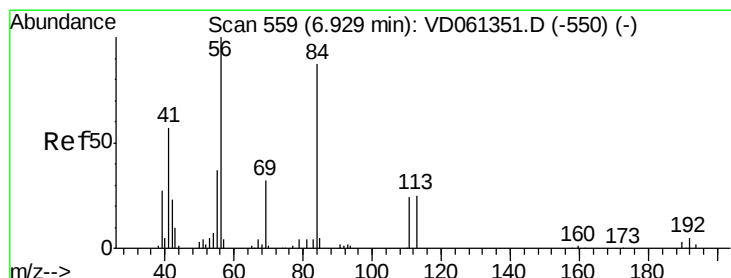
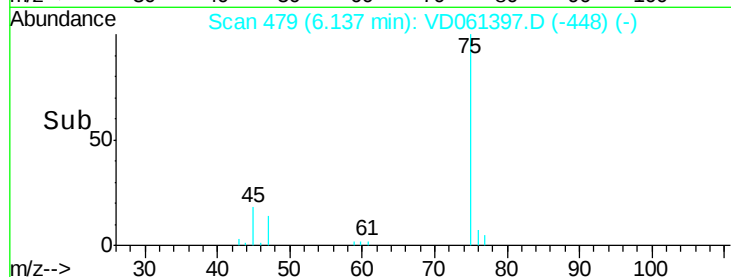


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#31

Cyclohexane

Concen: 1.067 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.09 min

Lab File: VD061397.D

Acq: 28 Mar 2019 18:09

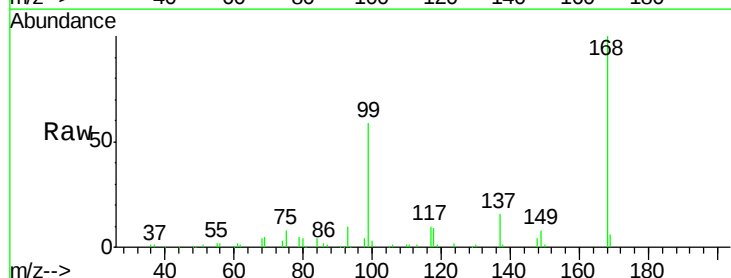
Tgt Ion: 56 Resp: 7251

Ion Ratio Lower Upper

56 100

69 259.5 25.7 38.5#

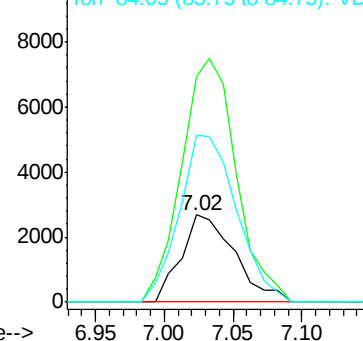
84 191.8 70.6 105.8#



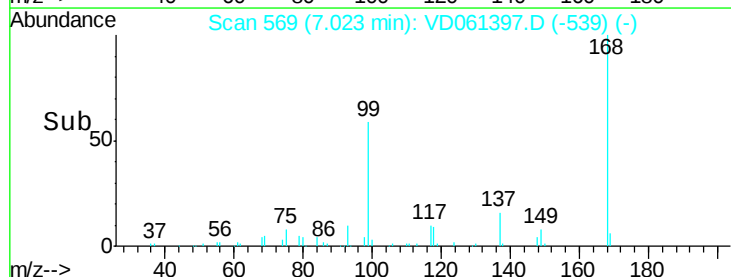
Abundance Ion 55.95 (55.65 to 56.65): VDC

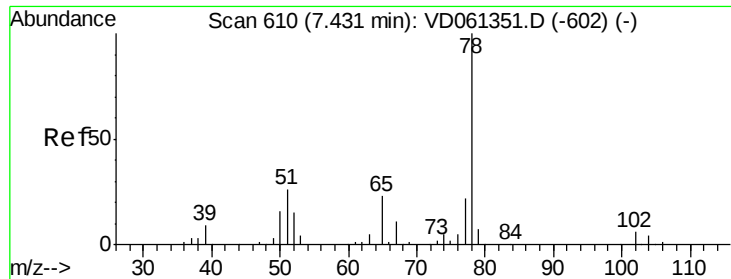
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD061397.D

Acq: 28 Mar 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

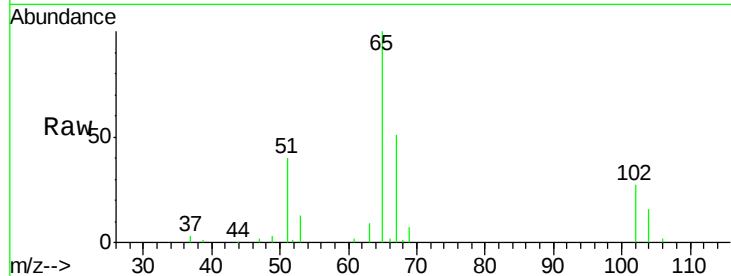
CS-20RE

Tot Ion: 65 Resp: 196899

Ion Ratio Lower Upper

65 100

67 50.6 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

80000

60000

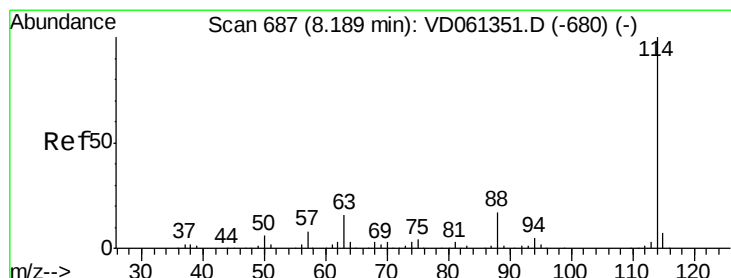
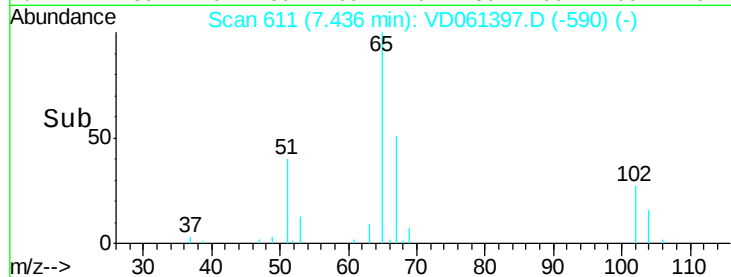
40000

20000

0

7.30 7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD061397.D

Acq: 28 Mar 2019 18:09

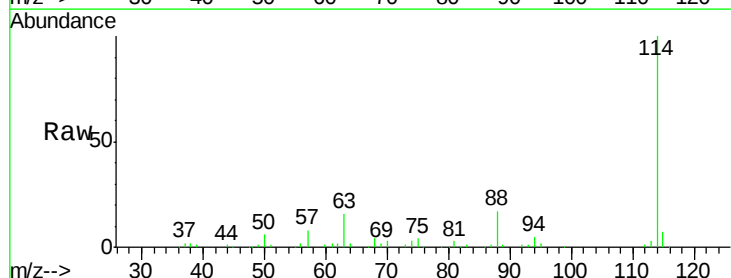
Tgt Ion: 114 Resp: 665859

Ion Ratio Lower Upper

114 100

63 16.5 0.0 31.6

88 16.8 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.20

300000

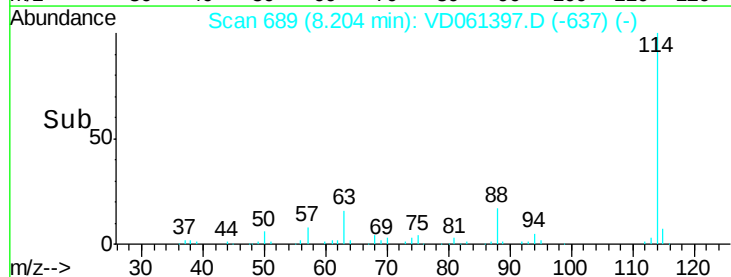
200000

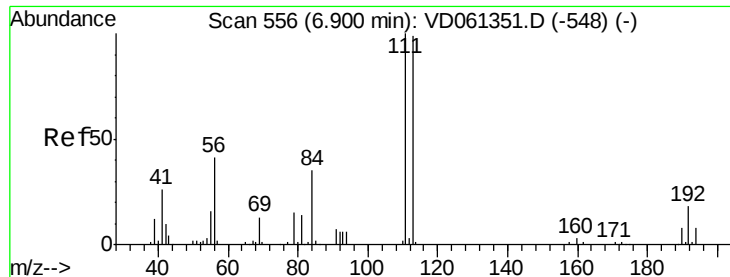
100000

0

8.00 8.20 8.40

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD061397.D

Acq: 28 Mar 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

CS-20RE

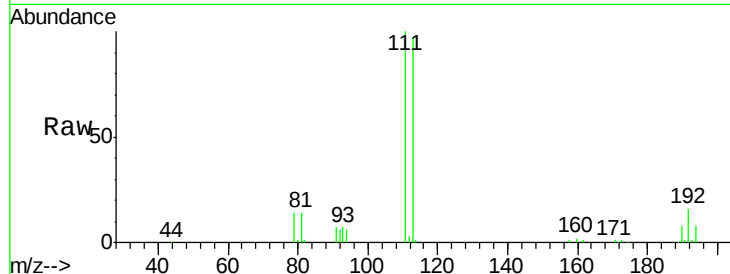
Tot Ion:113 Resp: 326705

Ion Ratio Lower Upper

113 100

111 102.9 81.0 121.6

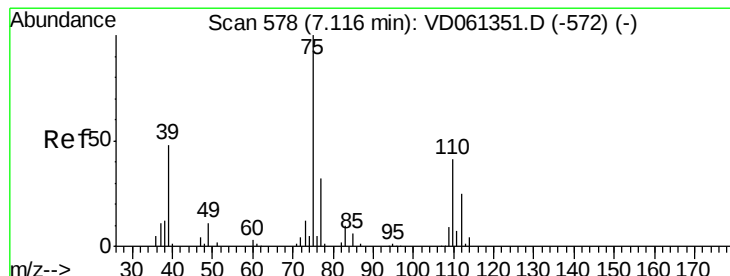
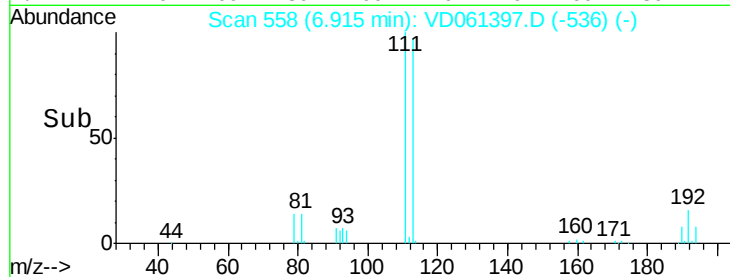
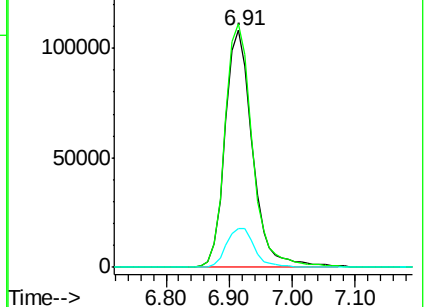
192 16.3 14.4 21.6



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



#36

1,1-Dichloropropene

Concen: 5.833 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD061397.D

Acq: 28 Mar 2019 18:09

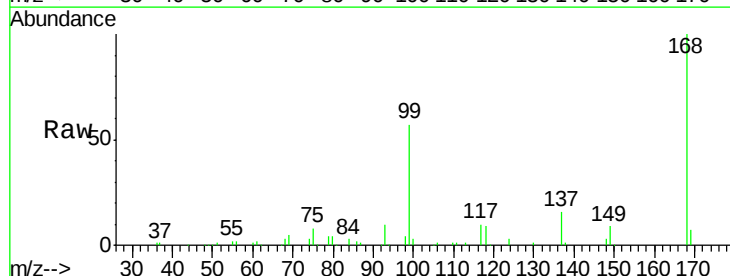
Tgt Ion: 75 Resp: 33897

Ion Ratio Lower Upper

75 100

110 6.4 20.4 61.3#

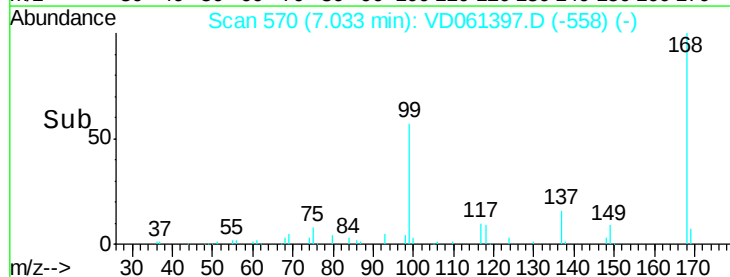
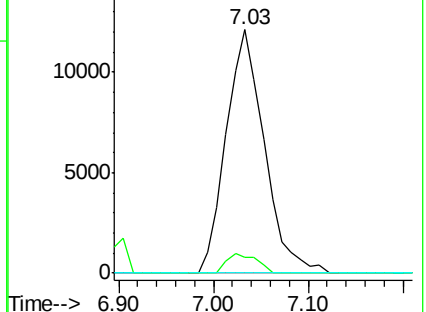
77 0.0 24.9 37.3#

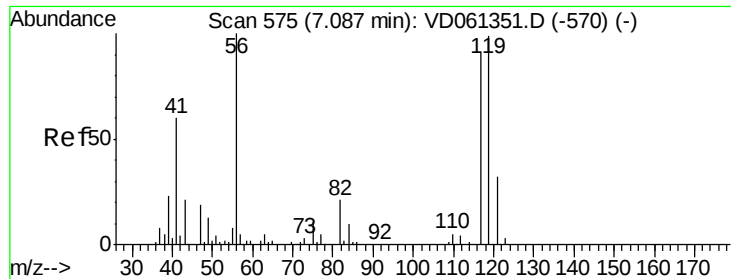


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

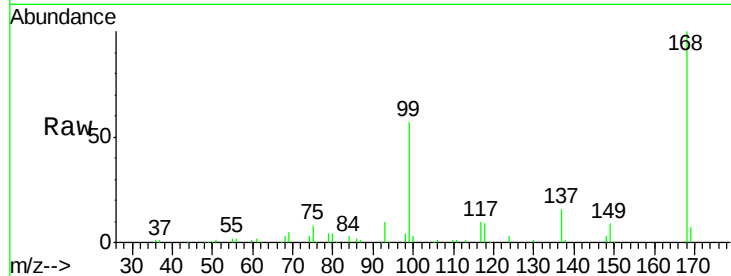




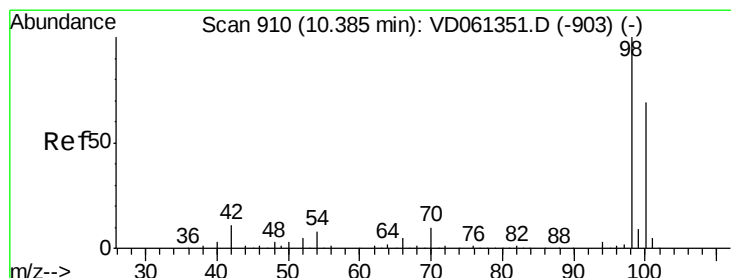
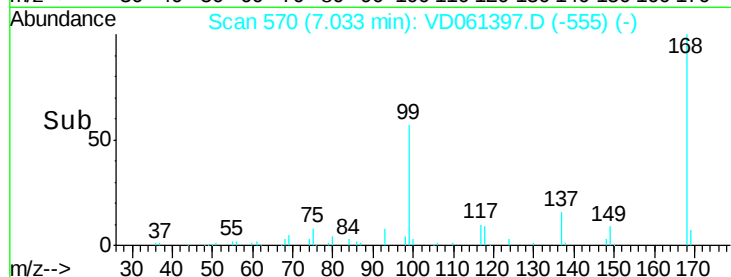
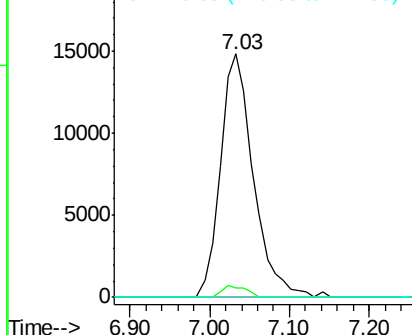
#38
Carbon Tetrachloride
Concen: 6.423 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.05 min
Lab File: VD061397.D
Acq: 28 Mar 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
CS-20RE

Tot Ion:117 Resp: 42891
Ion Ratio Lower Upper
117 100
119 3.6 80.1 120.1#
121 0.0 25.6 38.4#

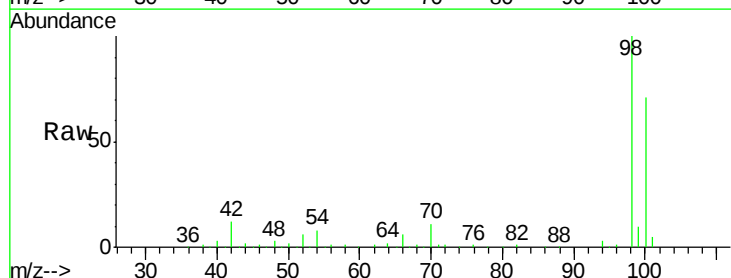


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

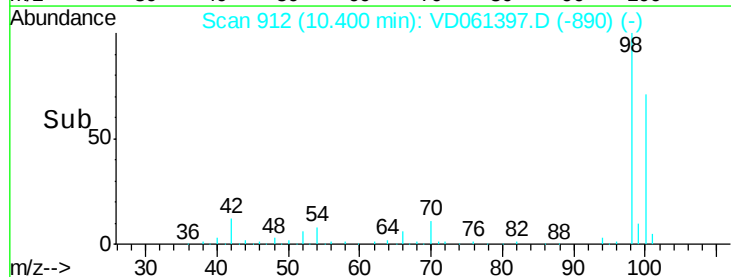
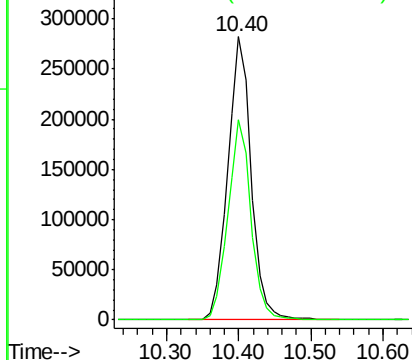


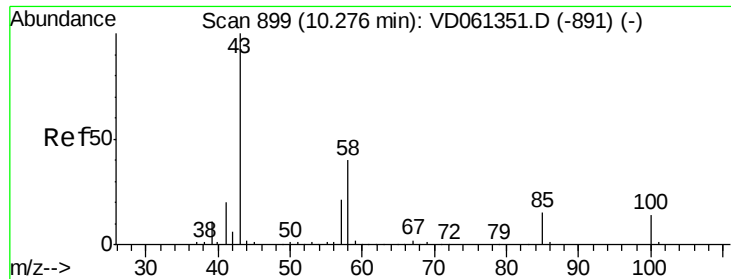
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061397.D
Acq: 28 Mar 2019 18:09

Tgt Ion: 98 Resp: 637472
Ion Ratio Lower Upper
98 100
100 70.8 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.060 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.12 min

Lab File: VD061397.D

Acq: 28 Mar 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

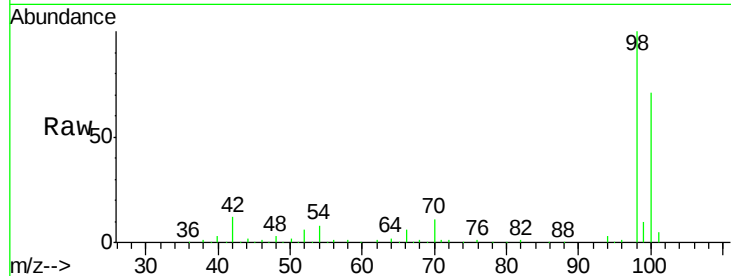
CS-20RE

Tot Ion: 43 Resp: 2331

Ion Ratio Lower Upper

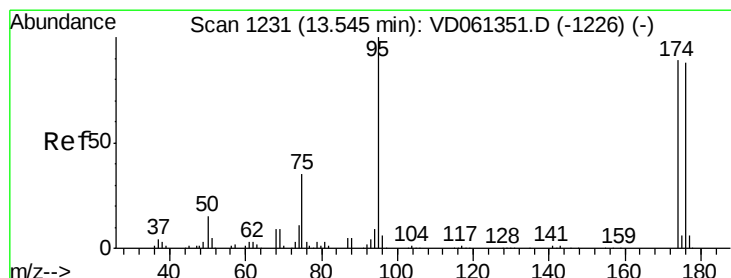
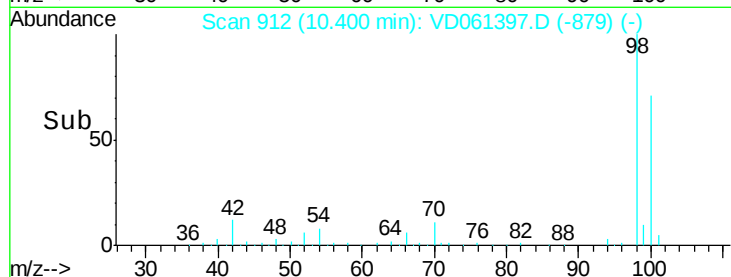
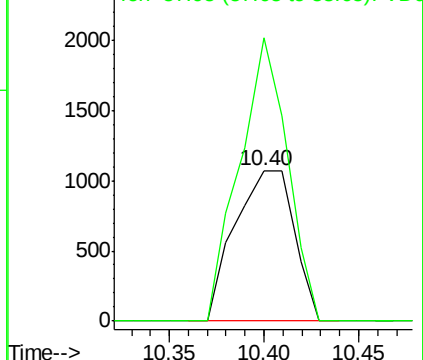
43 100

58 188.0 31.8 47.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061397.D

Acq: 28 Mar 2019 18:09

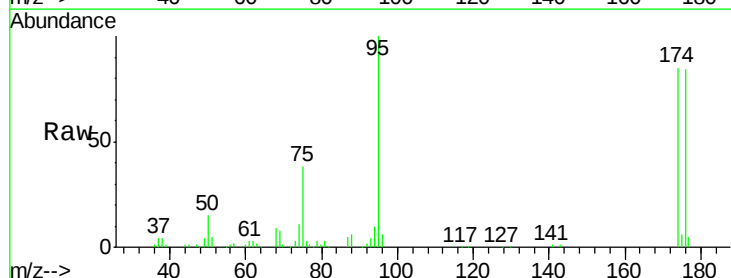
Tgt Ion: 95 Resp: 140640

Ion Ratio Lower Upper

95 100

174 85.4 0.0 178.0

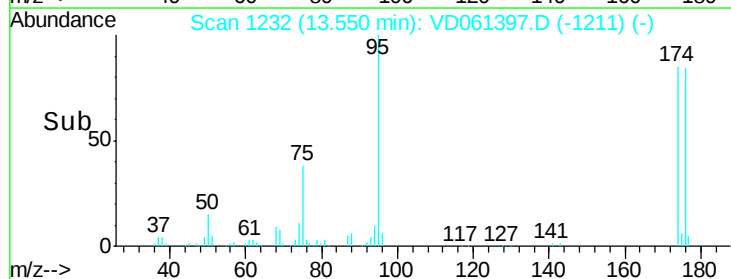
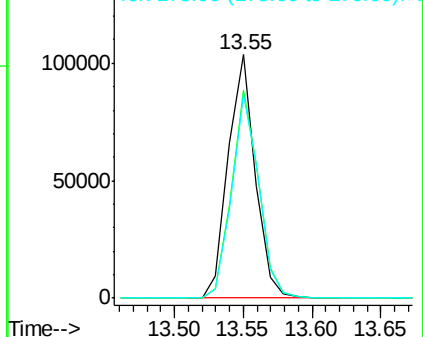
176 83.7 0.0 175.0

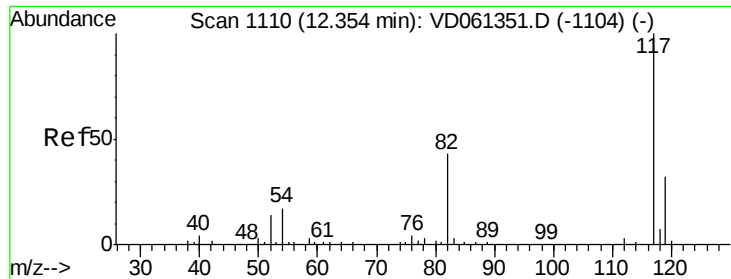


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

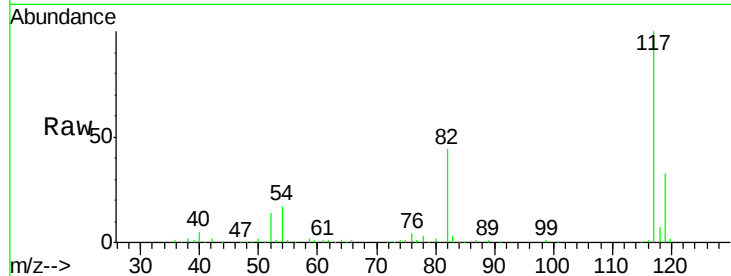




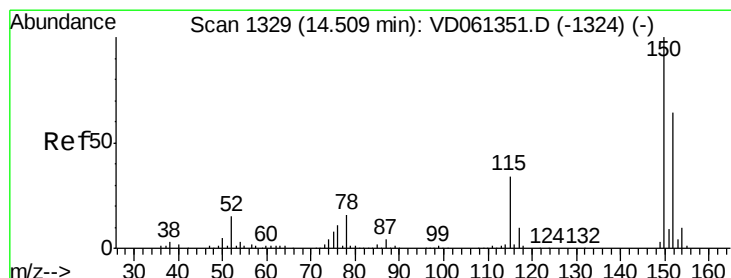
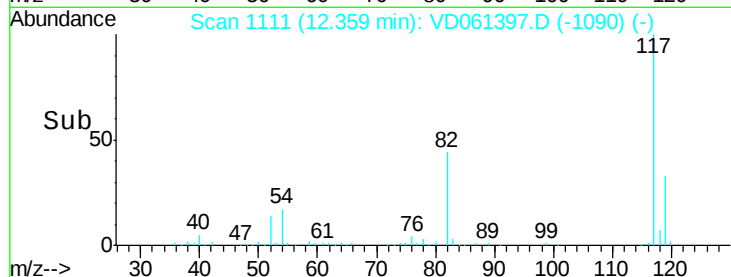
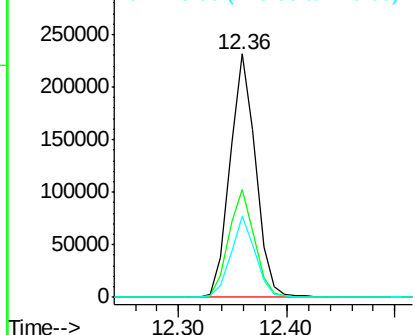
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061397.D
Acq: 28 Mar 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
CS-20RE

Tot Ion:117 Resp: 381529
Ion Ratio Lower Upper
117 100
82 44.2 34.4 51.6
119 33.3 25.8 38.6

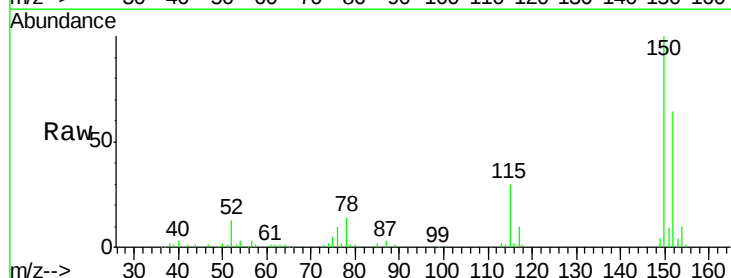


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

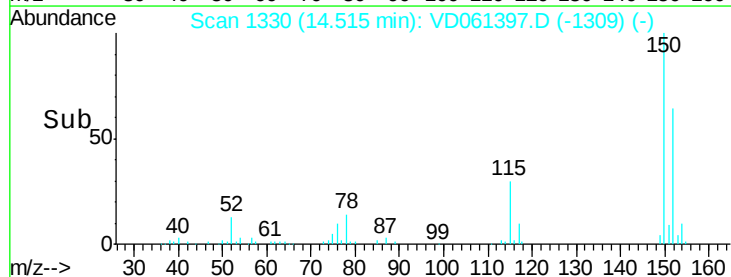
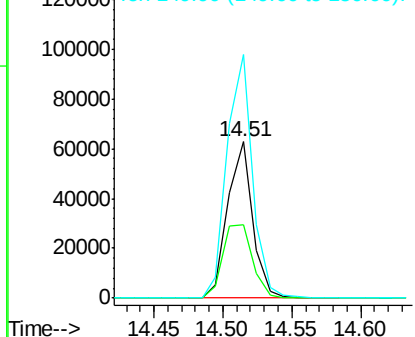


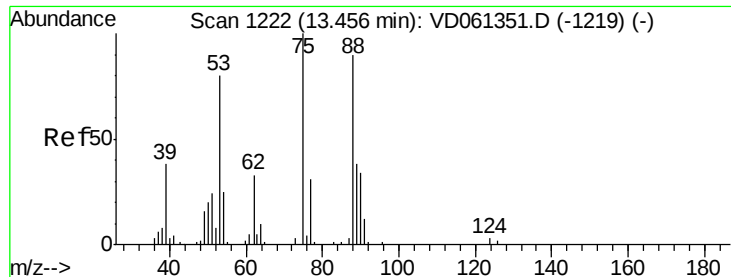
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061397.D
Acq: 28 Mar 2019 18:09

Tgt Ion:152 Resp: 78730
Ion Ratio Lower Upper
152 100
115 47.1 26.9 80.6
150 156.1 0.0 318.0



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: 149.734 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061397.D

Acq: 28 Mar 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

CS-20RE

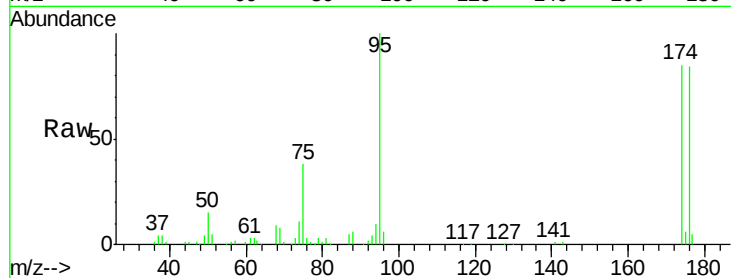
Tot Ion: 75 Resp: 51921

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

