

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061527.D
 Acq On : 2 Apr 2019 21:12
 Operator : VA/AP
 Sample : K2182-19RE
 Misc : 4.99g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 01:55:41 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	7.06	168	98389	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.22	114	183261	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	148070	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	55060	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	84098	100.06	ug/l	0.03
Spiked Amount 50.000			Recovery =	200.12%		
35) Dibromofluoromethane	6.93	113	90317	64.49	ug/l	0.03
Spiked Amount 50.000			Recovery =	128.98%		
50) Toluene-d8	10.41	98	157645	46.93	ug/l	0.03
Spiked Amount 50.000			Recovery =	93.86%		
62) 4-Bromofluorobenzene	13.55	95	66153	51.36	ug/l	0.01
Spiked Amount 50.000			Recovery =	102.72%		

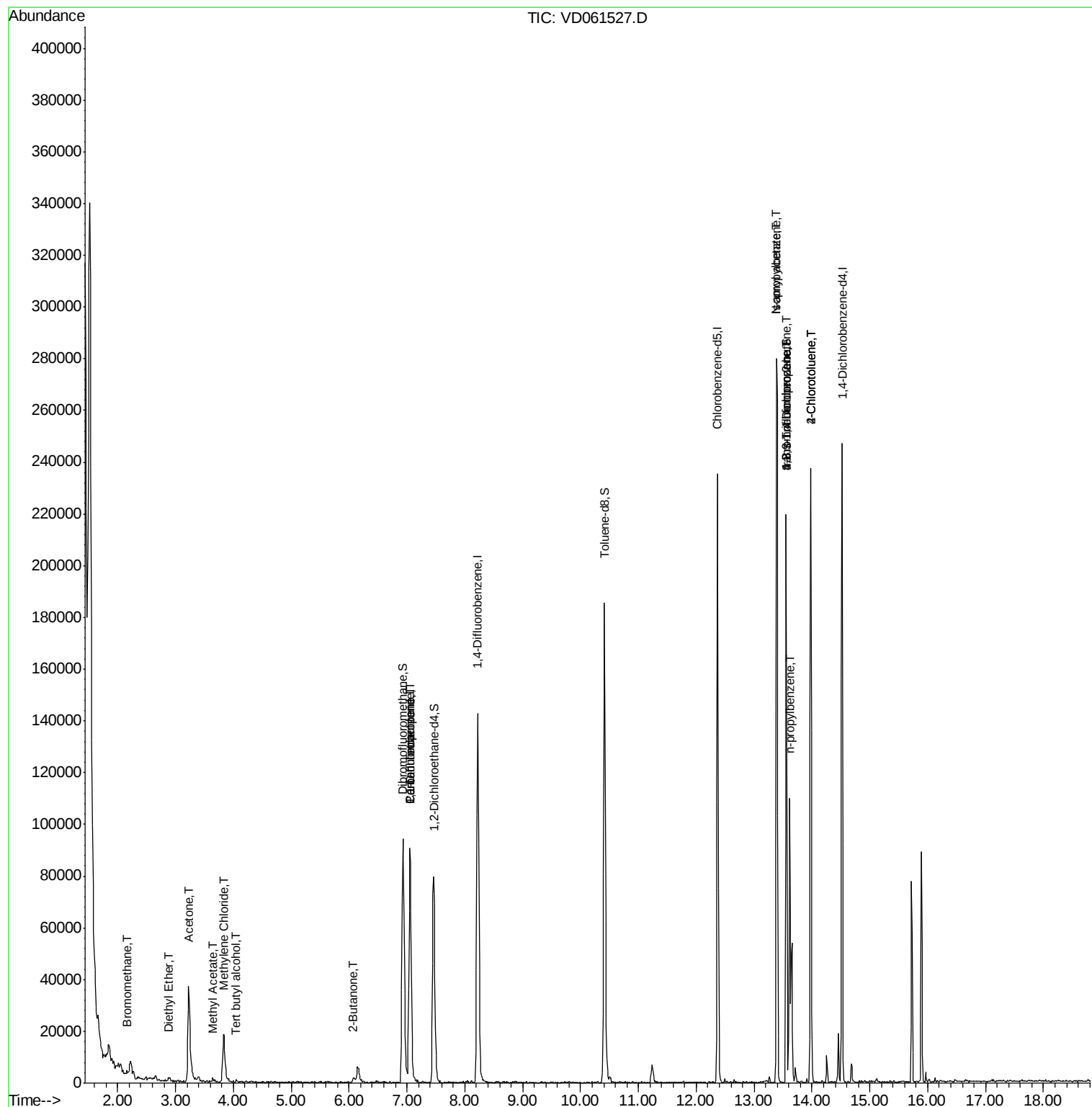
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	180	1.154	ug/l #	10
8) Diethyl Ether	2.87	74	861	2.337	ug/l	85
11) Tert butyl alcohol	4.06	59	965	18.436	ug/l #	76
16) Acetone	3.23	43	73626	340.768	ug/l	99
18) Methyl Acetate	3.65	43	3022	6.652	ug/l #	55
20) Methylene Chloride	3.84	84	15890	11.656	ug/l	97
25) 2-Butanone	6.08	43	4504	16.572	ug/l	94
36) 1,1-Dichloropropene	7.05	75	6991	4.371	ug/l #	38
38) Carbon Tetrachloride	7.06	117	8880	4.832	ug/l #	10
73) Isopropylbenzene	13.40	105	10815	2.822	ug/l #	62
74) N-amyl acetate	13.39	43	5926	5.551	ug/l #	17
76) 1,2,3-Trichloropropane	13.55	75	18065	22.713	ug/l #	46
78) n-propylbenzene	13.61	91	16547	3.528	ug/l #	52
79) 2-Chlorotoluene	13.98	91	21622	8.491	ug/l #	36
81) trans-1,4-Dichloro-2-buten	13.55	75	24853	102.485	ug/l #	18
82) 4-Chlorotoluene	13.98	91	23293	8.413	ug/l #	36

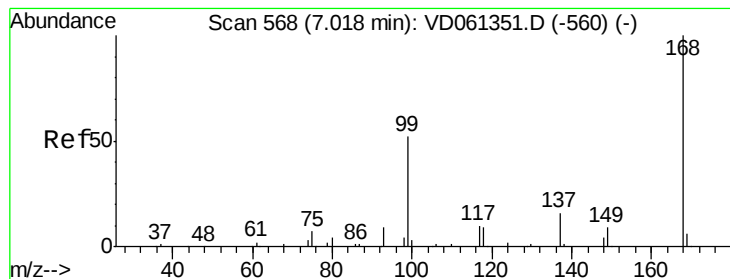
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040219\
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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: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD061527.D

Acq: 2 Apr 2019 21:12

Instrument :

MSVOA_D

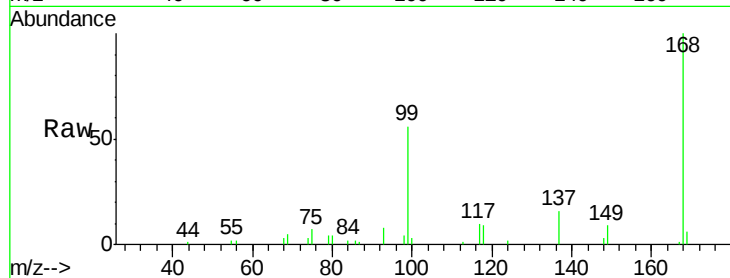
ClientSampleId :

Tot Ion:168 Resp: 98389

Ion Ratio Lower Upper

168 100

99 55.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

30000

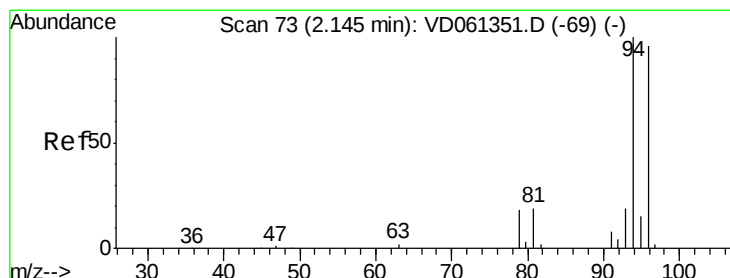
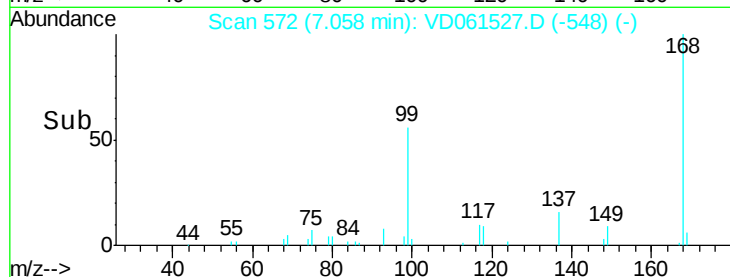
20000

10000

0

6.90 7.00 7.10 7.20

Time-->



#5

Bromomethane

Concen: 1.154 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD061527.D

Acq: 2 Apr 2019 21:12

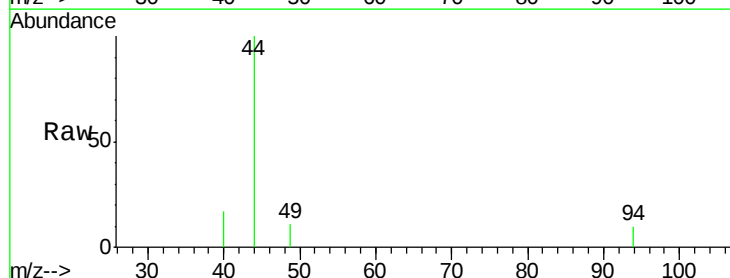
Tgt Ion: 94 Resp: 180

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

93 0.0 15.6 23.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.17

400

300

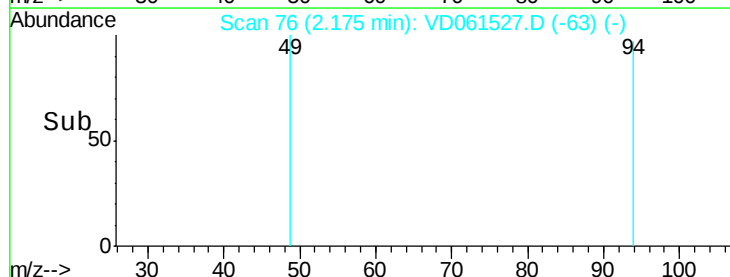
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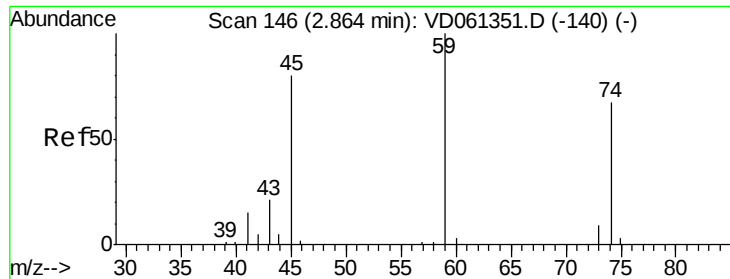
100

0

2.14 2.16 2.18 2.20

Time-->





#8

Diethyl Ether

Concen: 2.337 ug/l

RT: 2.87 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD061527.D

Acq: 2 Apr 2019 21:12

Instrument :

MSVOA_D

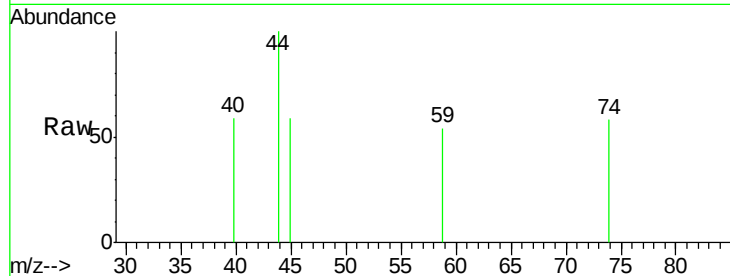
ClientSampleId :

Tot Ion: 74 Resp: 861

Ion Ratio Lower Upper

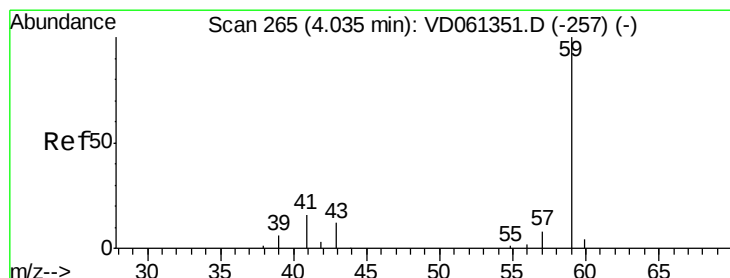
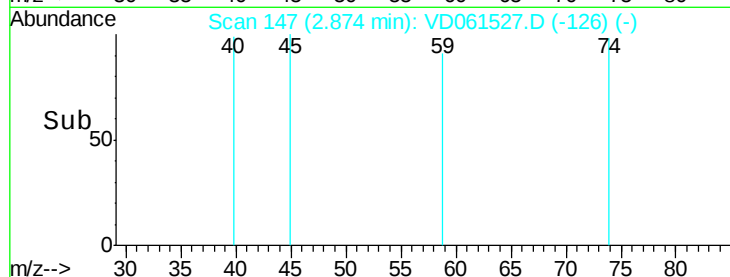
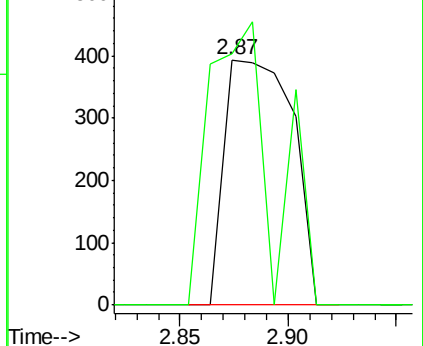
74 100

45 102.3 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#11

Tert butyl alcohol

Concen: 18.436 ug/l

RT: 4.06 min Scan# 267

Delta R.T. 0.02 min

Lab File: VD061527.D

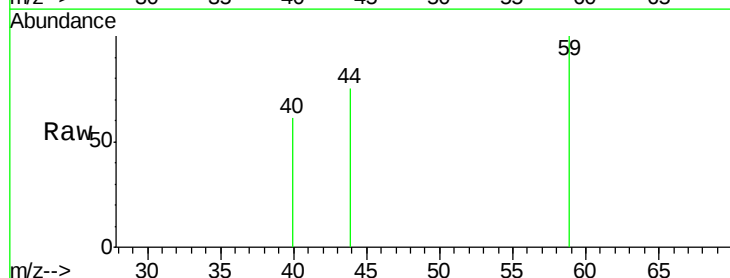
Acq: 2 Apr 2019 21:12

Tgt Ion: 59 Resp: 965

Ion Ratio Lower Upper

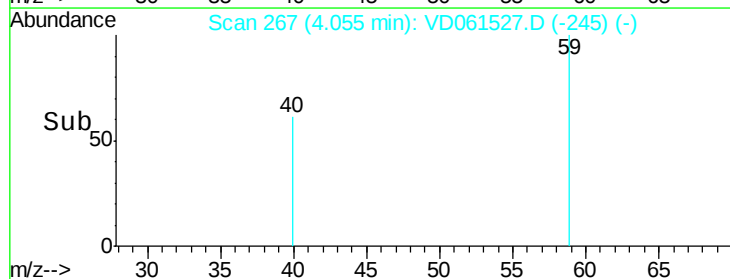
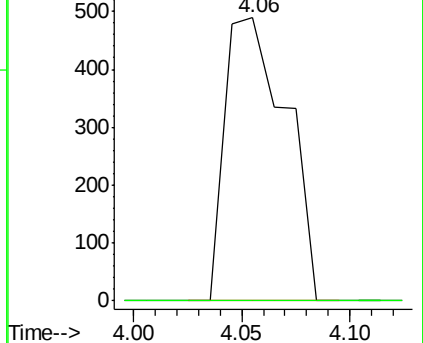
59 100

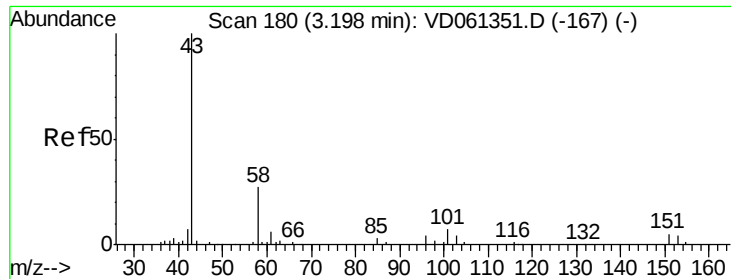
57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 340.768 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD061527.D

Acq: 2 Apr 2019 21:12

Instrument :

MSVOA_D

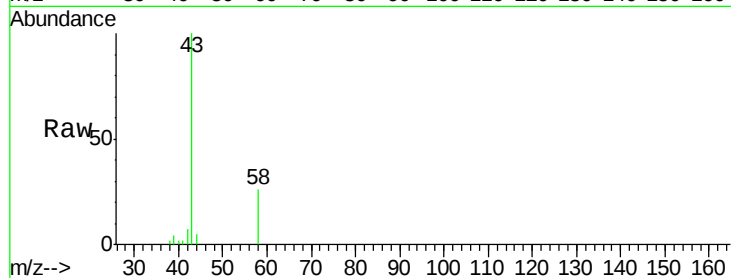
ClientSampleId :

Tot Ion: 43 Resp: 73626

Ion Ratio Lower Upper

43 100

58 26.1 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

25000

20000

15000

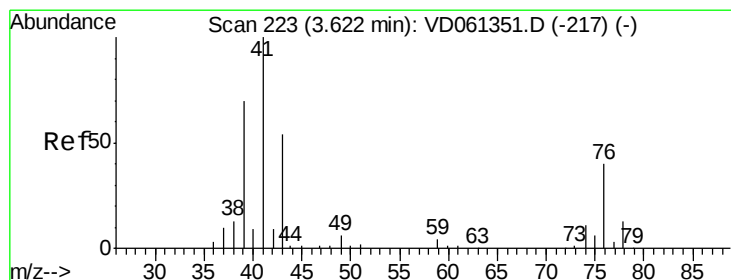
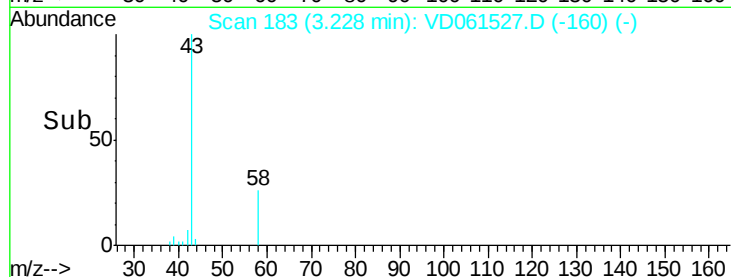
10000

5000

0

Time-->

3.10 3.20 3.30



#18

Methyl Acetate

Concen: 6.652 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD061527.D

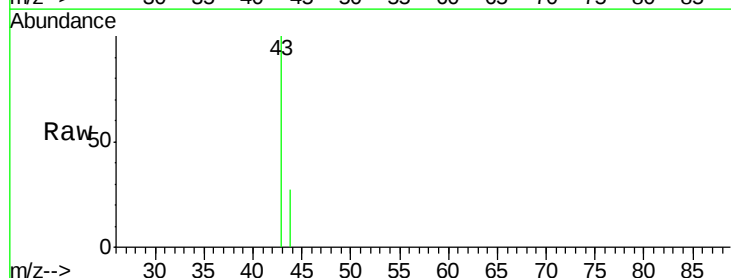
Acq: 2 Apr 2019 21:12

Tgt Ion: 43 Resp: 3022

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

1200

1000

800

600

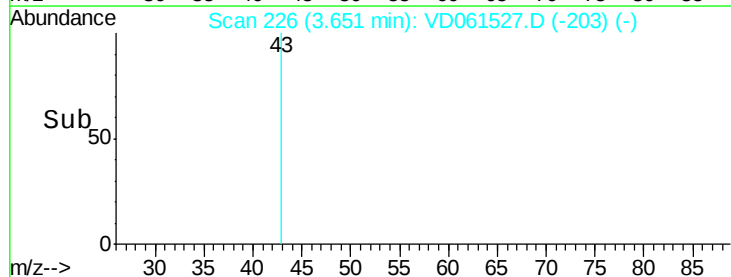
400

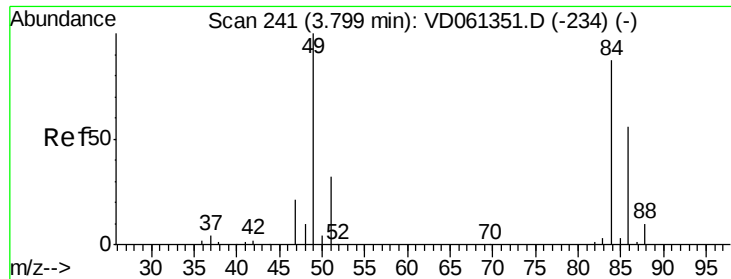
200

0

Time-->

3.60 3.65 3.70

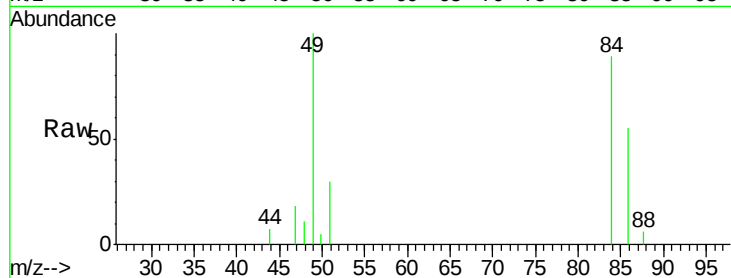




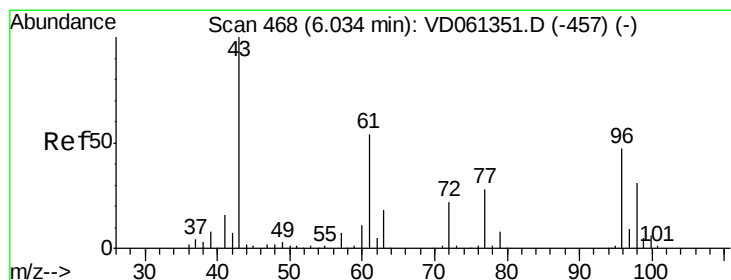
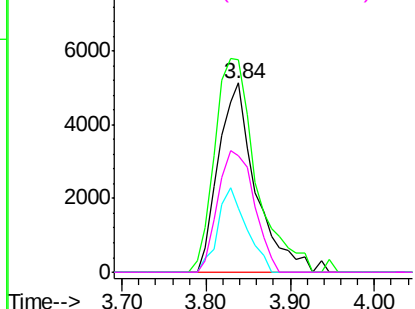
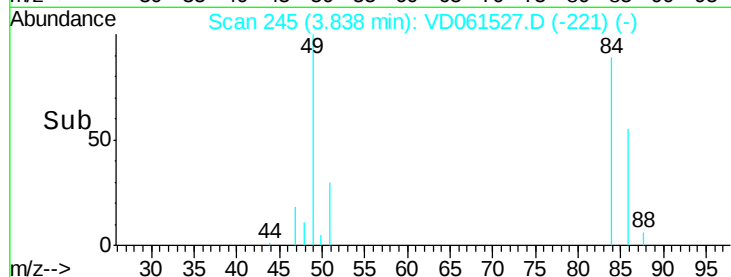
#20
Methvlene Chloride
Concen: 11.656 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD061527.D
Acq: 2 Apr 2019 21:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 15890
Ion Ratio Lower Upper
84 100
49 112.0 91.8 137.8
51 34.1 29.8 44.8
86 61.9 51.8 77.6

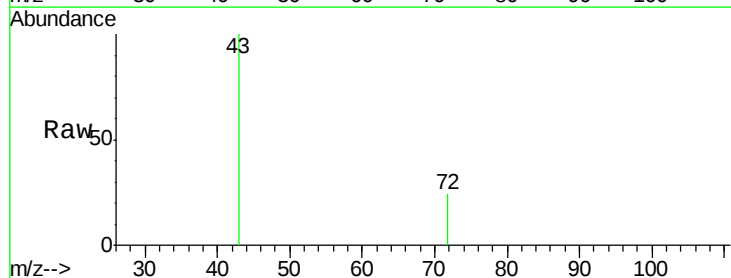


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

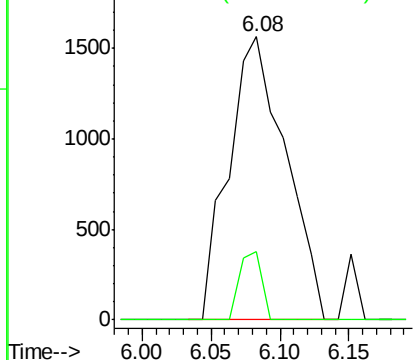
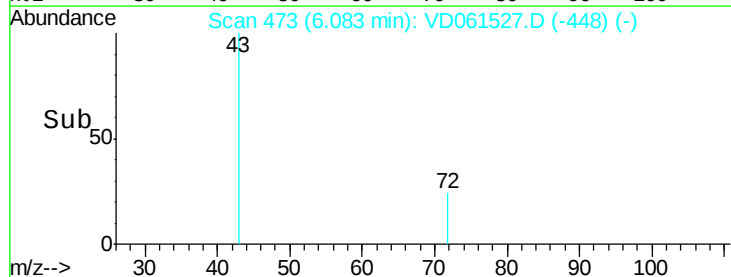


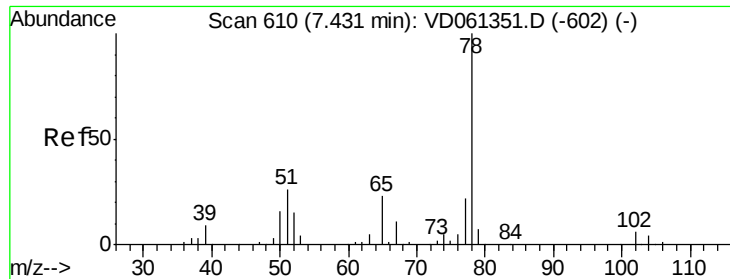
#25
2-Butanone
Concen: 16.572 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.05 min
Lab File: VD061527.D
Acq: 2 Apr 2019 21:12

Tgt Ion: 43 Resp: 4504
Ion Ratio Lower Upper
43 100
72 24.4 17.2 25.8



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

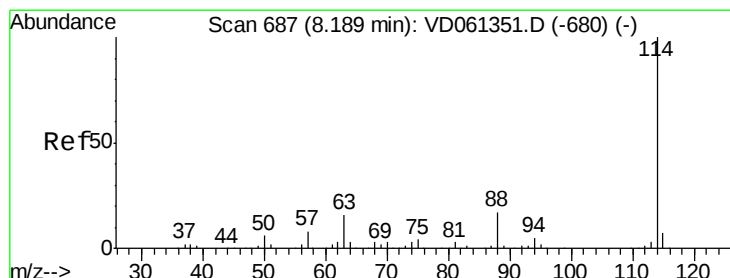
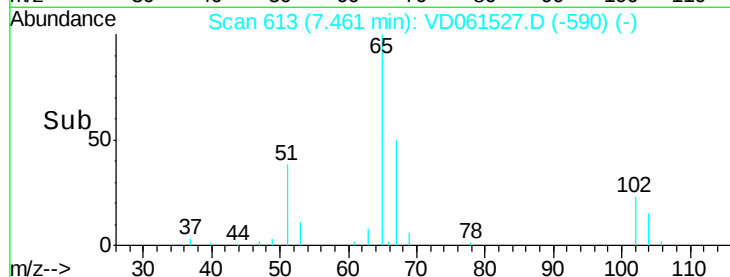
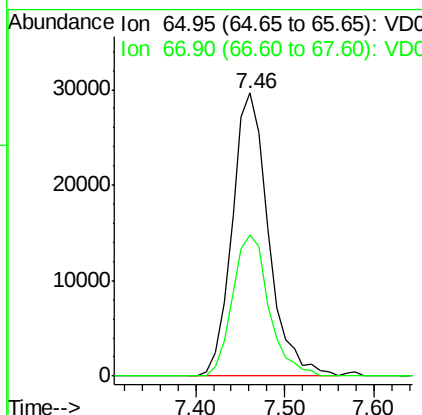
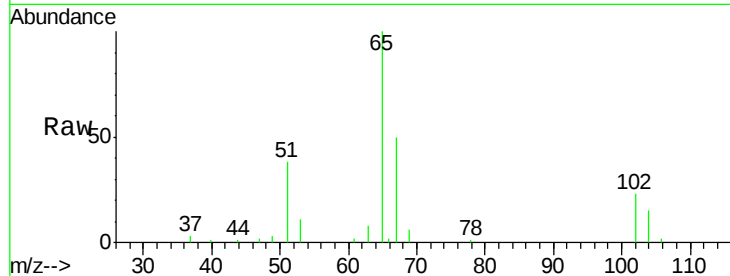




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.03 min
 Lab File: VD061527.D
 Acq: 2 Apr 2019 21:12

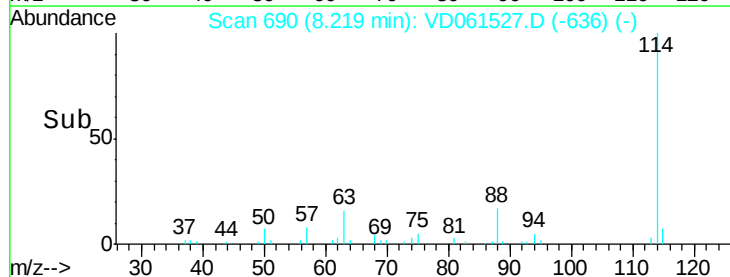
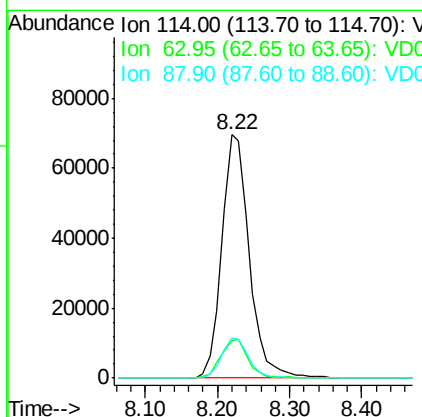
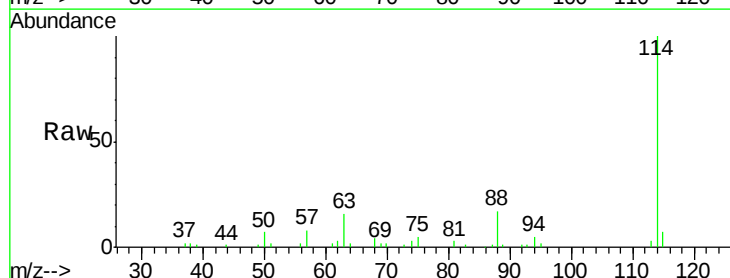
Instrument :
 MSVOA_D
 ClientSampleId :

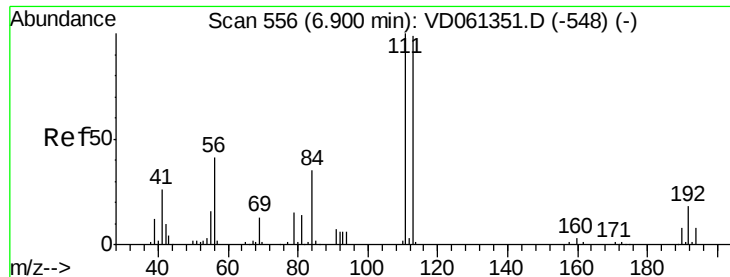
Tot Ion: 65 Resp: 84098
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.03 min
 Lab File: VD061527.D
 Acq: 2 Apr 2019 21:12

Tgt Ion: 114 Resp: 183261
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.6
 88 16.6 0.0 33.4

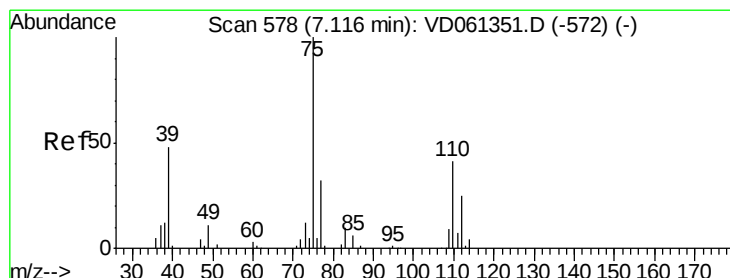
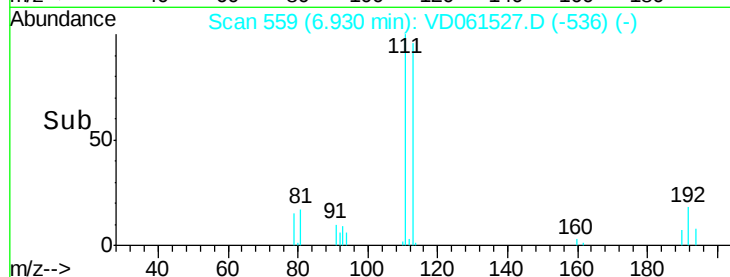
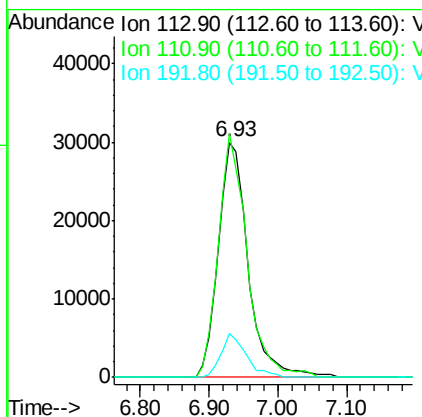
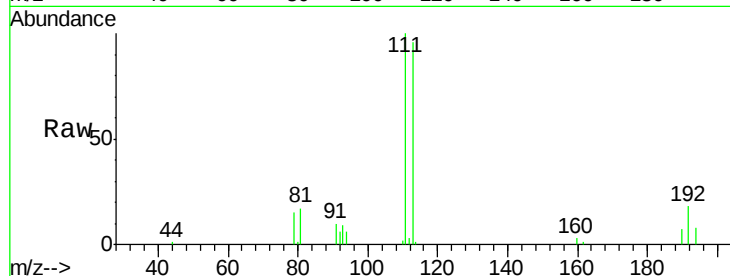




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD061527.D
 Acq: 2 Apr 2019 21:12

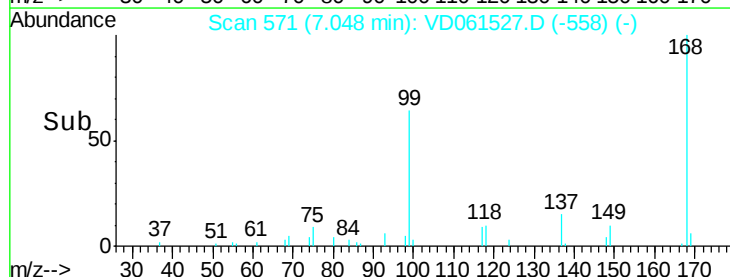
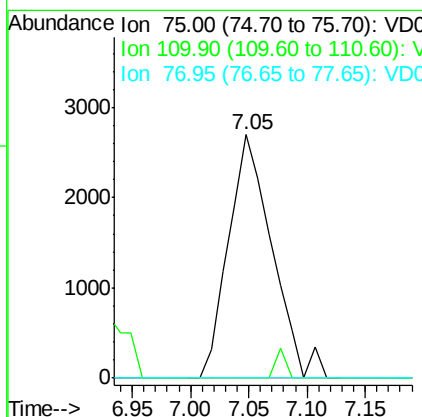
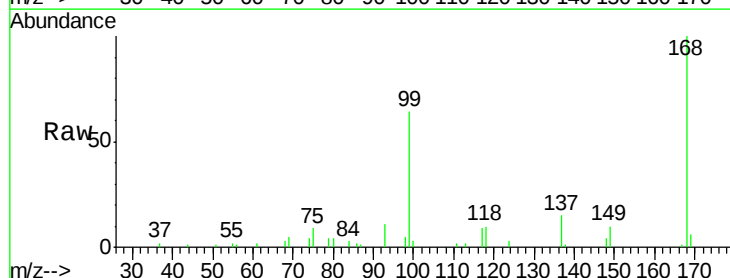
Instrument :
 MSVOA_D
 ClientSampleId :

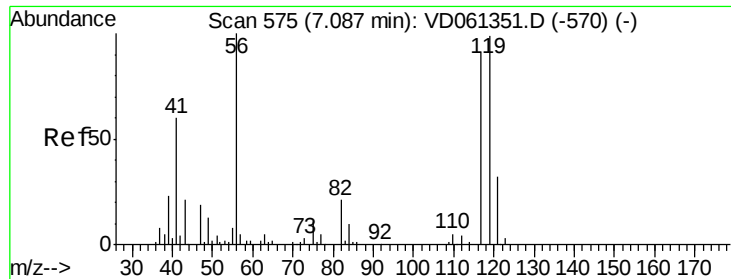
Tot Ion:113 Resp: 90317
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.0 121.6
 192 18.6 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 4.371 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD061527.D
 Acq: 2 Apr 2019 21:12

Tgt Ion: 75 Resp: 6991
 Ion Ratio Lower Upper
 75 100
 110 0.0 20.4 61.3#
 77 0.0 24.9 37.3#

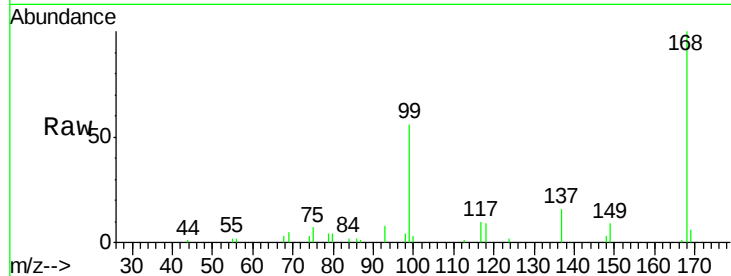




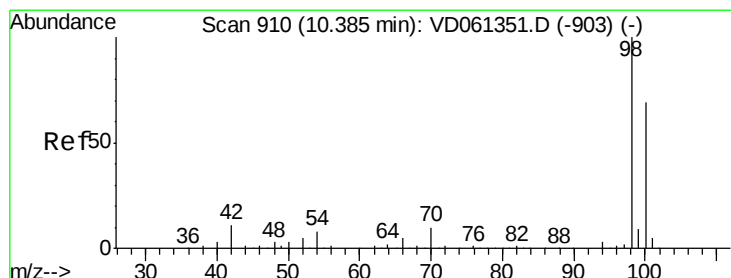
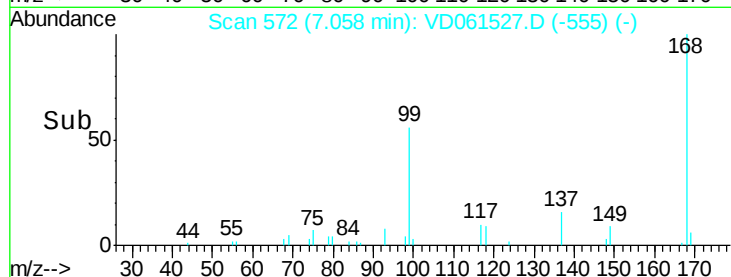
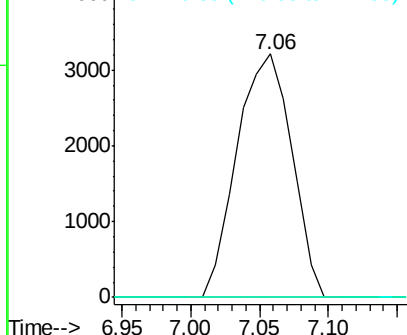
#38
Carbon Tetrachloride
Concen: 4.832 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.03 min
Lab File: VD061527.D
Acq: 2 Apr 2019 21:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 8880
Ion Ratio Lower Upper
117 100
119 0.0 80.1 120.1#
121 0.0 25.6 38.4#

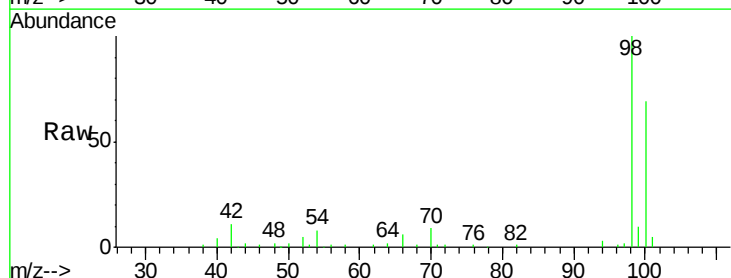


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

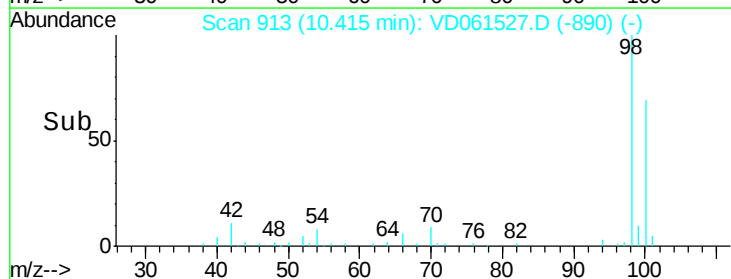
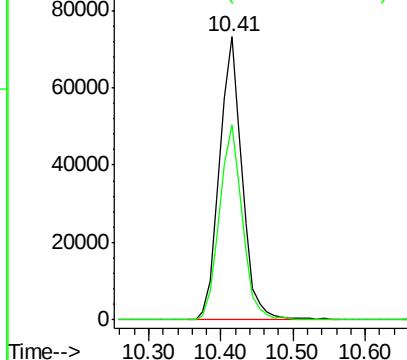


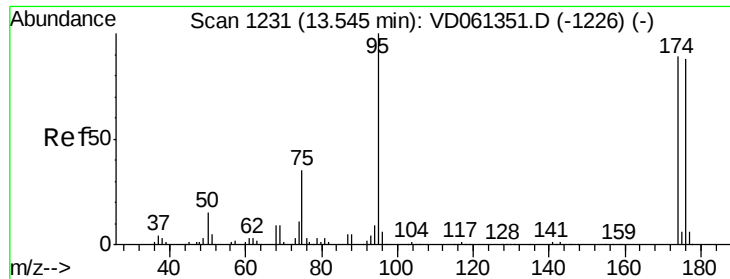
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.03 min
Lab File: VD061527.D
Acq: 2 Apr 2019 21:12

Tgt Ion: 98 Resp: 157645
Ion Ratio Lower Upper
98 100
100 68.9 56.2 84.2



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

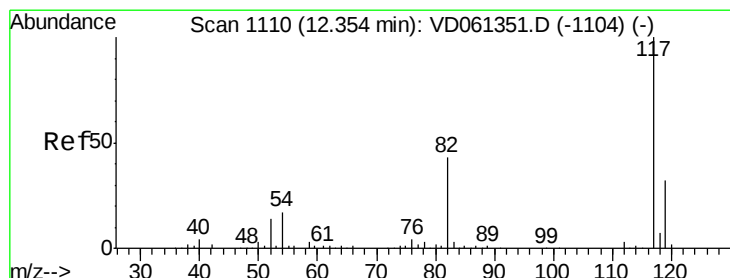
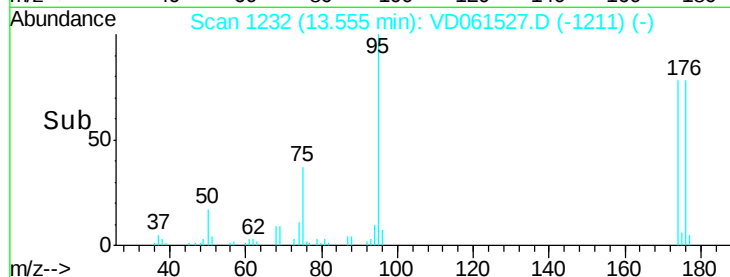
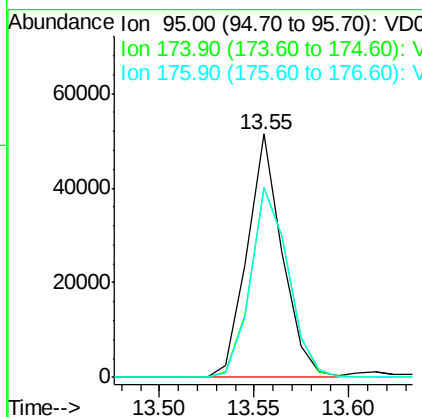
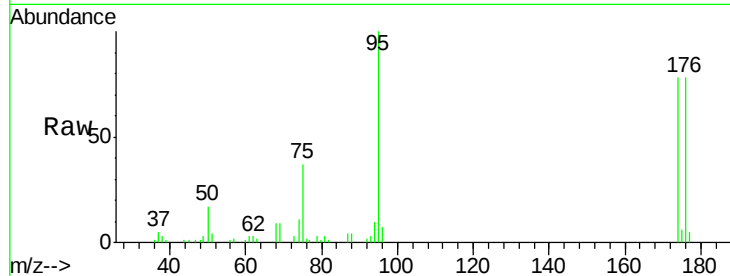




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD061527.D
Acq: 2 Apr 2019 21:12

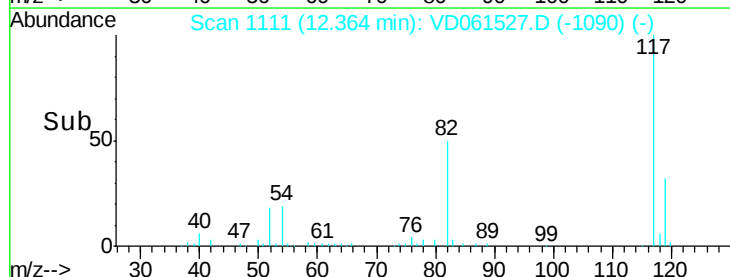
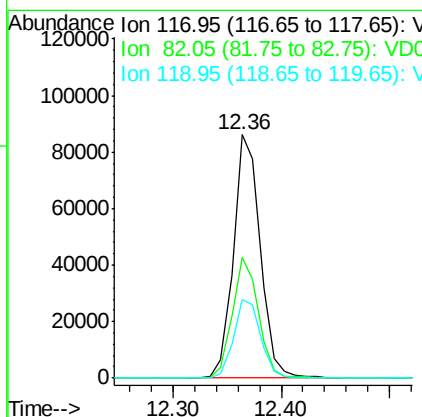
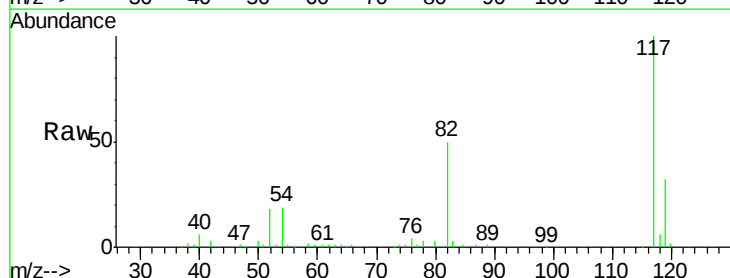
Instrument :
MSVOA_D
ClientSampleId :

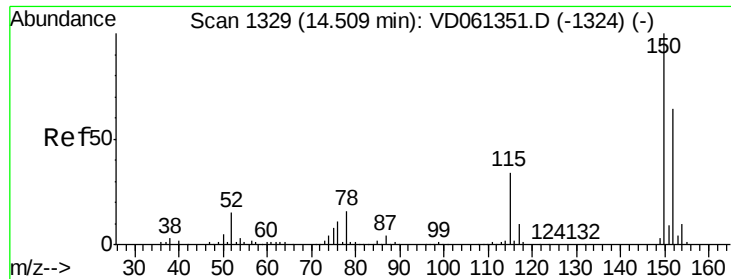
Tot Ion: 95 Resp: 66153
Ion Ratio Lower Upper
95 100
174 78.2 0.0 178.0
176 78.1 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061527.D
Acq: 2 Apr 2019 21:12

Tgt Ion: 117 Resp: 148070
Ion Ratio Lower Upper
117 100
82 49.7 34.4 51.6
119 32.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD061527.D

Acq: 2 Apr 2019 21:12

Instrument :

MSVOA_D

ClientSampled :

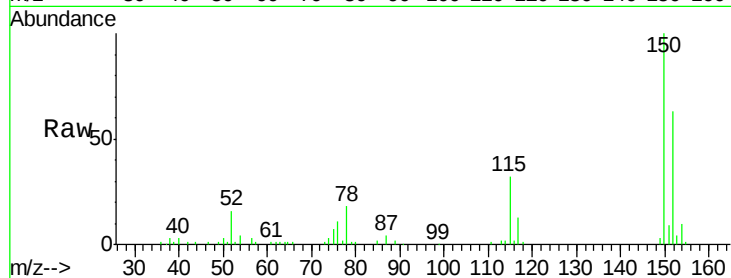
Tot Ion:152 Resp: 55060

Ion Ratio Lower Upper

152 100

115 50.7 26.9 80.6

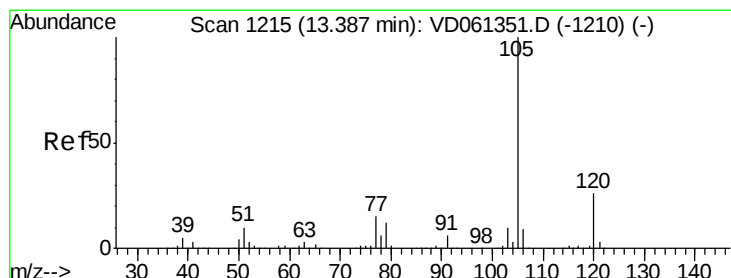
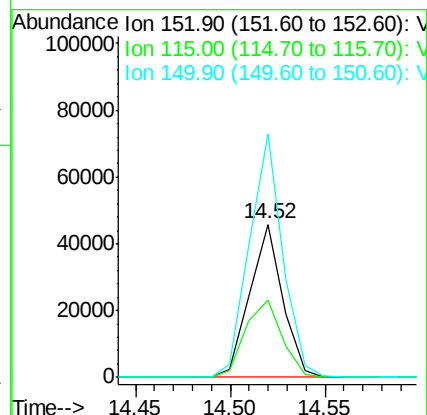
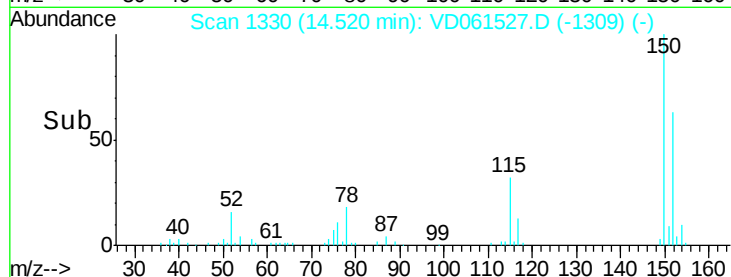
150 159.3 0.0 318.0



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



#73

Isopropylbenzene

Concen: 2.822 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD061527.D

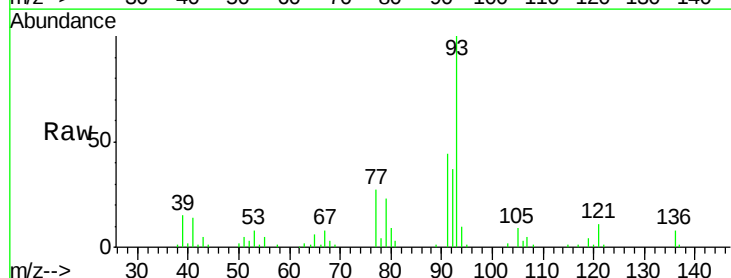
Acq: 2 Apr 2019 21:12

Tgt Ion:105 Resp: 10815

Ion Ratio Lower Upper

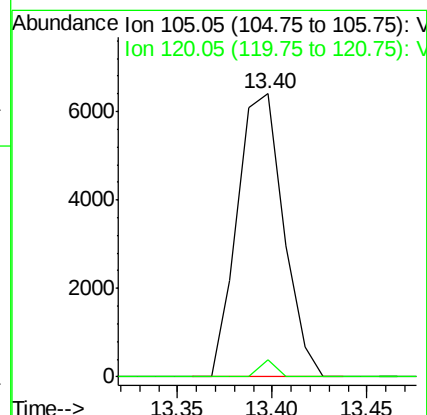
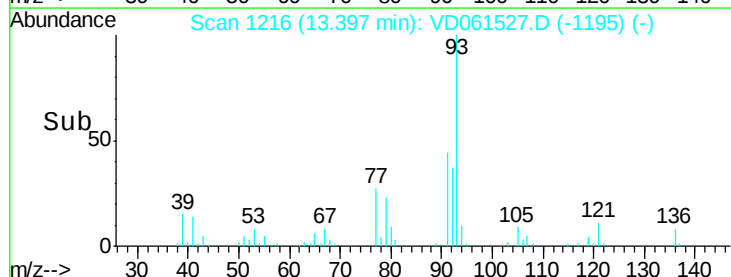
105 100

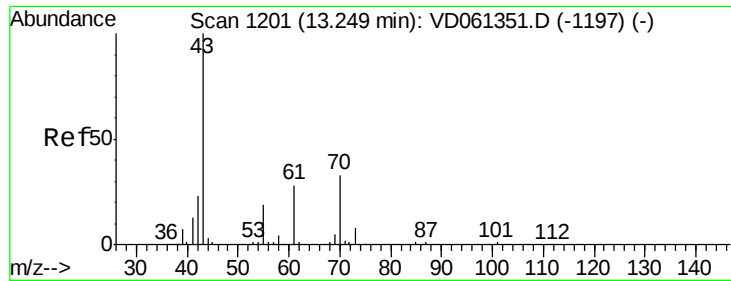
120 6.3 12.8 38.3#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 5.551 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. 0.14 min

Lab File: VD061527.D

Acq: 2 Apr 2019 21:12

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 5926

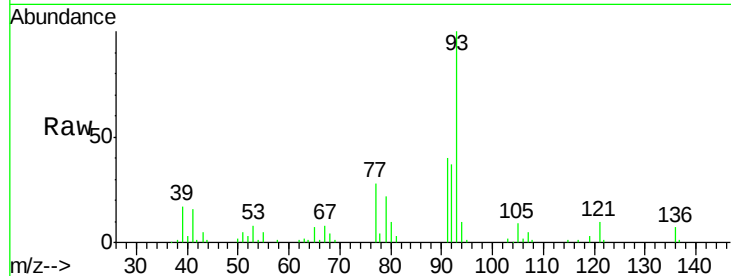
Ion Ratio Lower Upper

43 100

70 0.0 26.6 40.0#

55 95.2 15.4 23.2#

61 0.0 22.2 33.4#

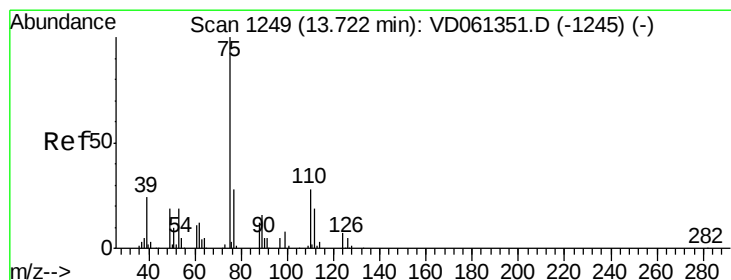
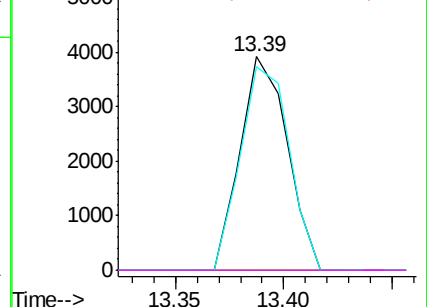
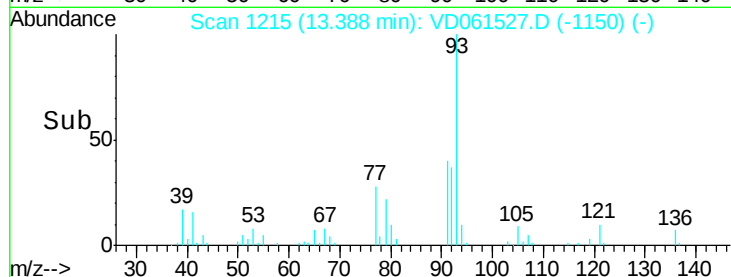


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.713 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061527.D

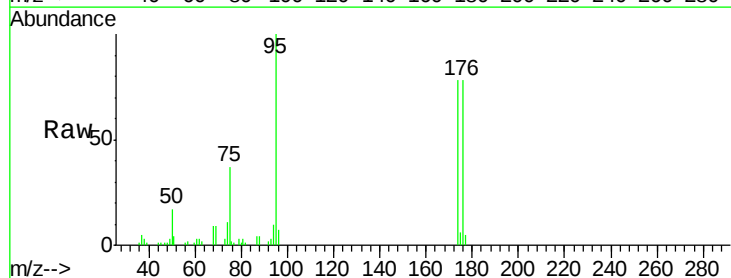
Acq: 2 Apr 2019 21:12

Tgt Ion: 75 Resp: 18065

Ion Ratio Lower Upper

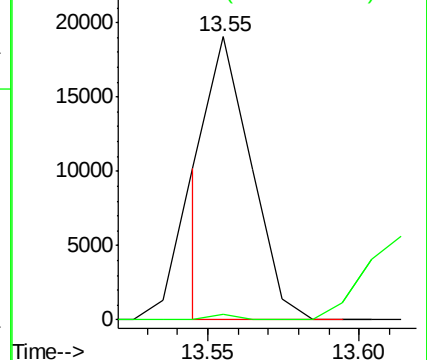
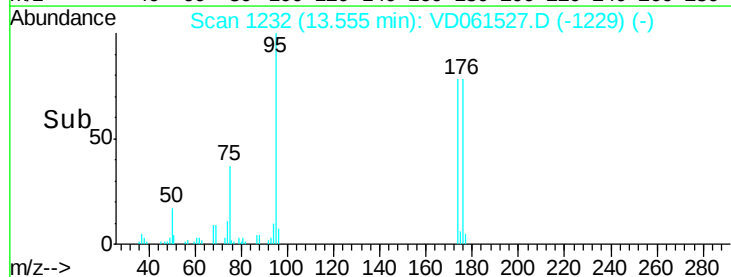
75 100

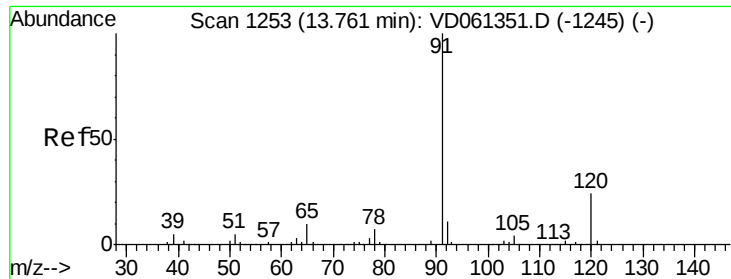
77 1.8 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#78

n-propylbenzene

Concen: 3.528 ug/l

RT: 13.61 min Scan# 1238

Delta R.T. -0.15 min

Lab File: VD061527.D

Acq: 2 Apr 2019 21:12

Instrument :

MSVOA_D

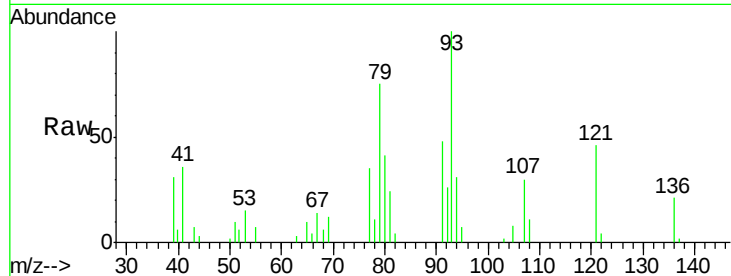
ClientSampled :

Tot Ion: 91 Resp: 16547

Ion Ratio Lower Upper

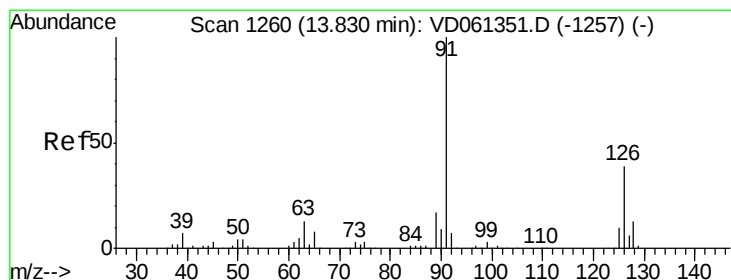
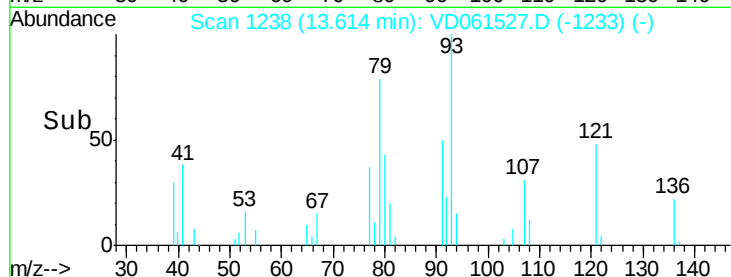
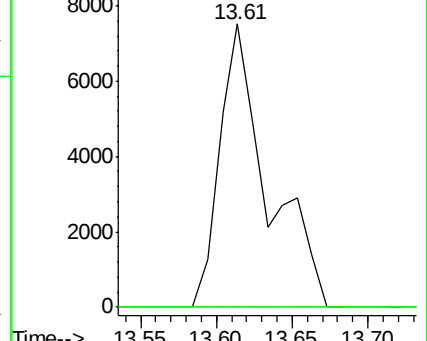
91 100

120 0.0 11.8 35.3#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 8.491 ug/l

RT: 13.98 min Scan# 1275

Delta R.T. 0.15 min

Lab File: VD061527.D

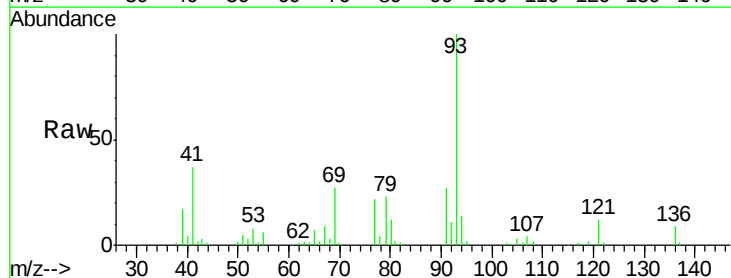
Acq: 2 Apr 2019 21:12

Tgt Ion: 91 Resp: 21622

Ion Ratio Lower Upper

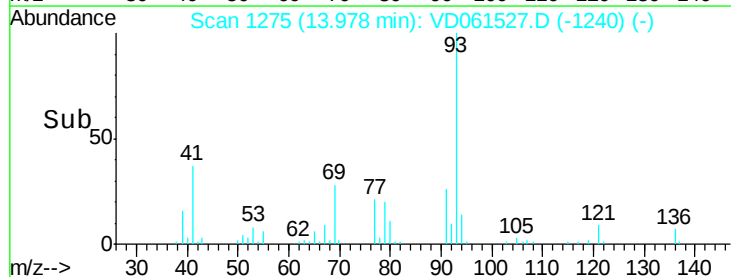
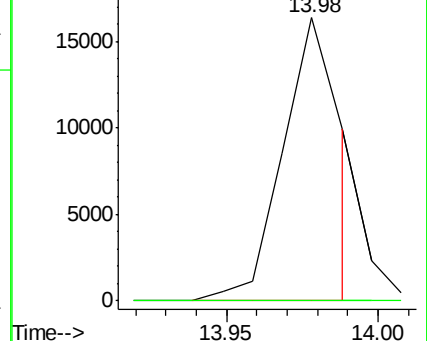
91 100

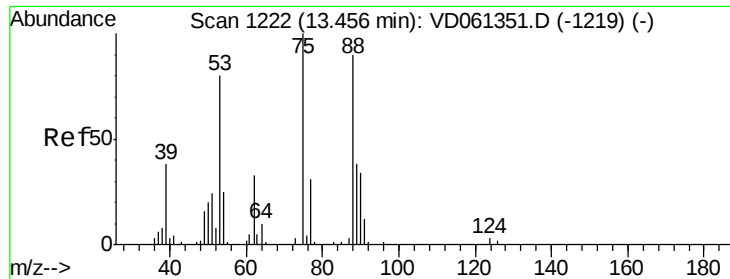
126 0.0 19.4 58.2#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 102.485 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.10 min

Lab File: VD061527.D

Acq: 2 Apr 2019 21:12

Instrument :

MSVOA_D

ClientSampleId :

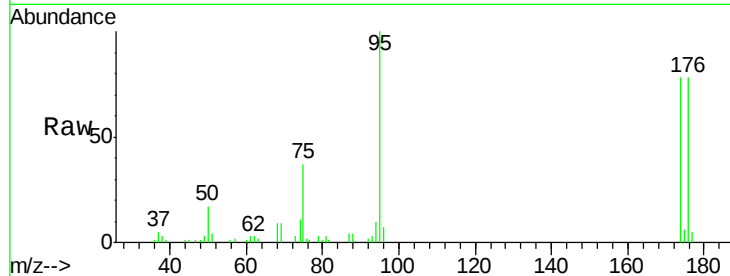
Tot Ion: 75 Resp: 24853

Ion Ratio Lower Upper

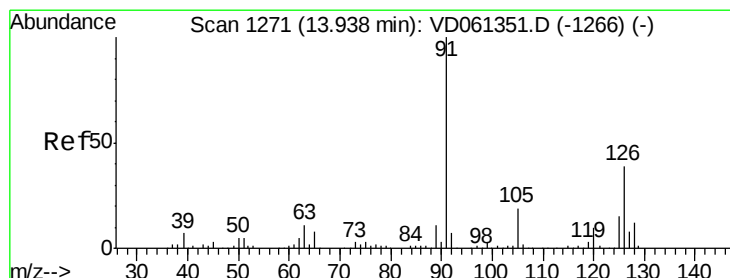
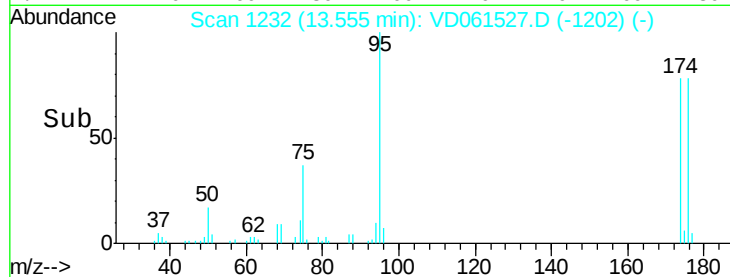
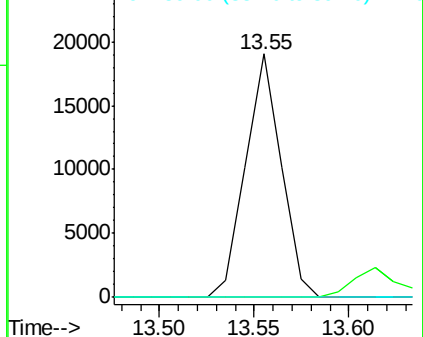
75 100

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



#82

4-Chlorotoluene

Concen: 8.413 ug/l

RT: 13.98 min Scan# 1275

Delta R.T. 0.04 min

Lab File: VD061527.D

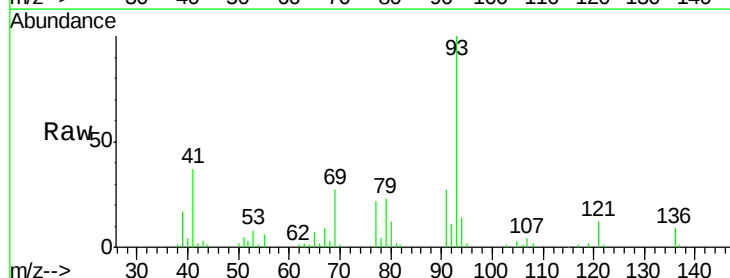
Acq: 2 Apr 2019 21:12

Tgt Ion: 91 Resp: 23293

Ion Ratio Lower Upper

91 100

126 0.0 19.6 58.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

