

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058273.D
 Acq On : 22 Jun 2018 2:55
 Operator : VA/AP
 Sample : J3246-03
 Misc : 5.66g/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-062018

Quant Time: Jun 22 06:19:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	626162	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	813355	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	585523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	290034	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	362515	57.32	ug/l	0.02
Spiked Amount	50.000		Recovery	=	114.64%	
35) Dibromofluoromethane	5.55	113	344901	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	8.71	98	685358	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	
62) 4-Bromofluorobenzene	11.93	95	297645	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	

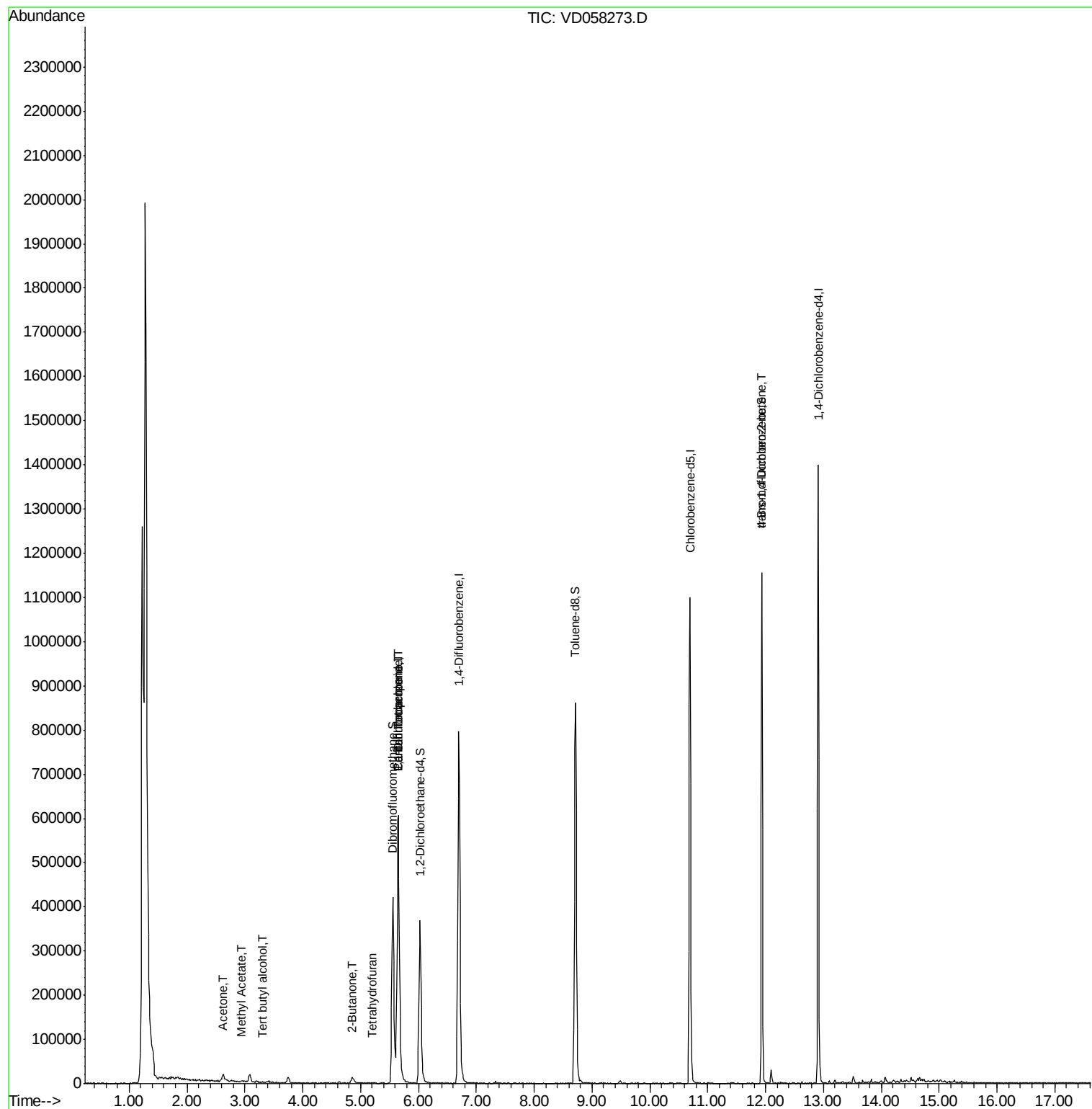
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	454	Below Cal	#	43
3) Chloromethane	1.50	50	266	Below Cal	#	43
11) Tert butyl alcohol	3.29	59	326	1.563	ug/l #	78
16) Acetone	2.62	43	32990	38.141	ug/l #	92
18) Methyl Acetate	2.95	43	3885	2.106	ug/l #	65
20) Methylene Chloride	3.08	84	7907	Below Cal	#	87
25) 2-Butanone	4.86	43	4112	2.181	ug/l #	60
29) Tetrahydrofuran	5.22	42	1459	1.454	ug/l #	66
31) Cyclohexane	5.64	56	14193	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	51138	6.356	ug/l #	51
38) Carbon Tetrachloride	5.65	117	53946	6.748	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.93	75	140492	136.032	ug/l #	1
82) 4-Chlorotoluene	12.33	91	1380	Below Cal	#	45

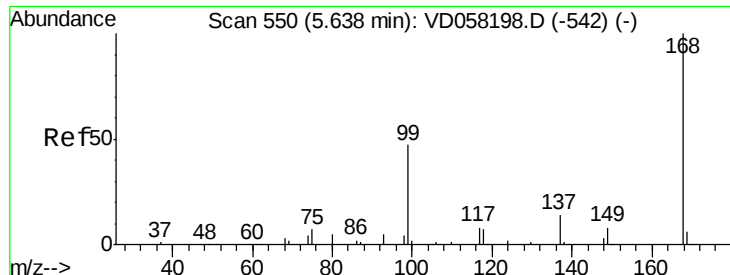
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062118\
Data File : VD058273.D
Acq On : 22 Jun 2018 2:55
Operator : VA/AP
Sample : J3246-03
Misc : 5.66g/5ml/MSVOA D/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
OK-01-062018

Quant Time: Jun 22 06:19:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058273.D

Acq: 22 Jun 2018 2:55

Instrument :

MSVOA_D

ClientSampleId :

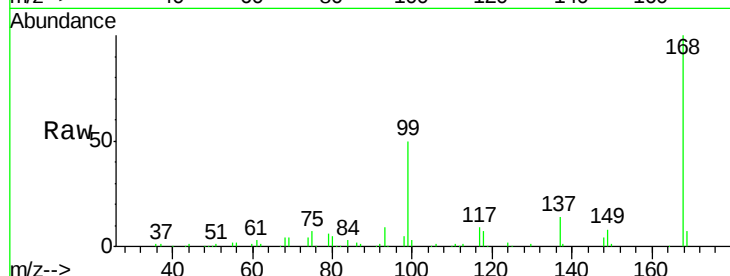
OK-01-062018

Tot Ion:168 Resp: 626162

Ion Ratio Lower Upper

168 100

99 50.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

250000

200000

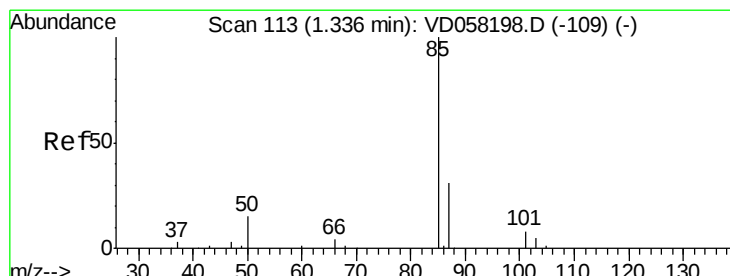
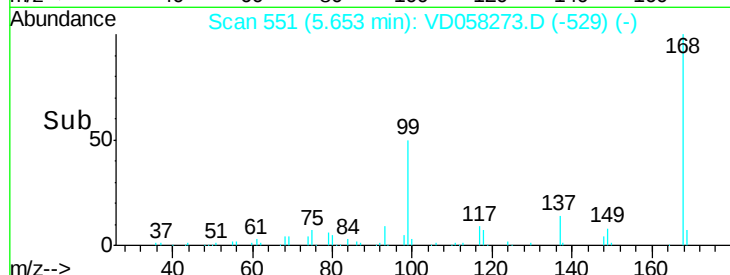
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.35 min Scan# 114

Delta R.T. 0.02 min

Lab File: VD058273.D

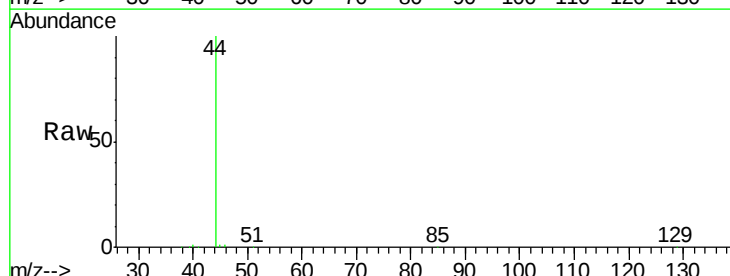
Acq: 22 Jun 2018 2:55

Tgt Ion: 85 Resp: 454

Ion Ratio Lower Upper

85 100

87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.35

500

400

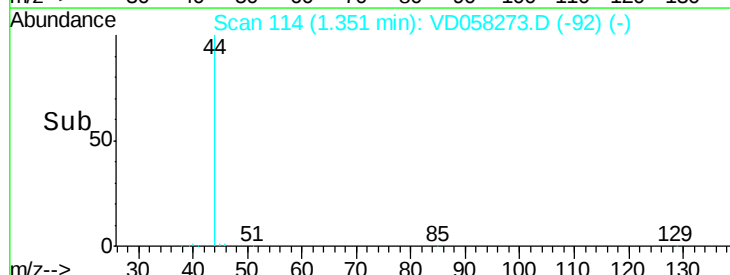
300

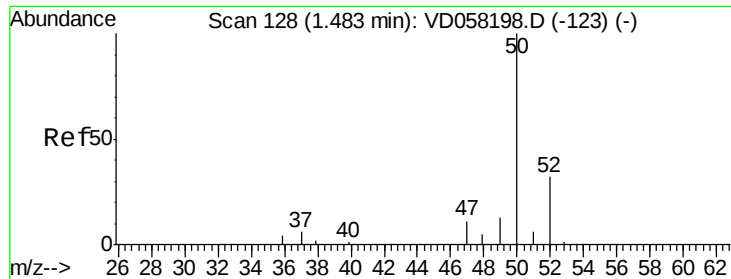
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.50 min Scan# 129

Delta R.T. 0.02 min

Lab File: VD058273.D

Acq: 22 Jun 2018 2:55

Instrument :

MSVOA_D

ClientSampleId :

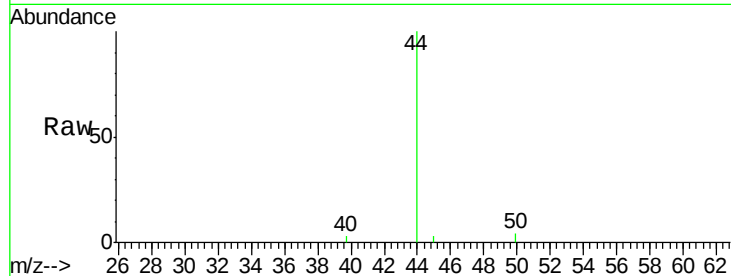
OK-01-062018

Tot Ion: 50 Resp: 266

Ion Ratio Lower Upper

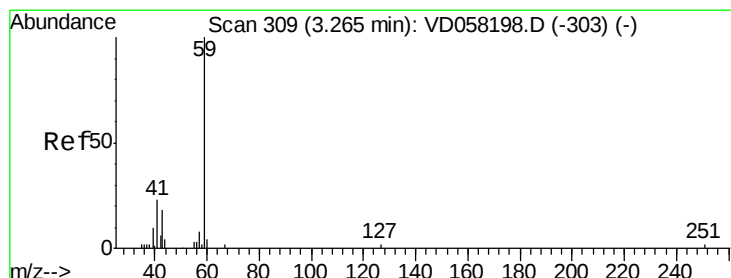
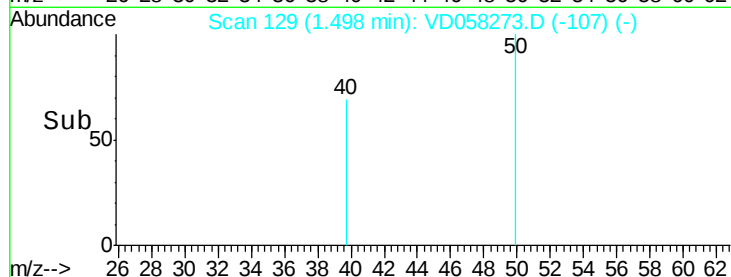
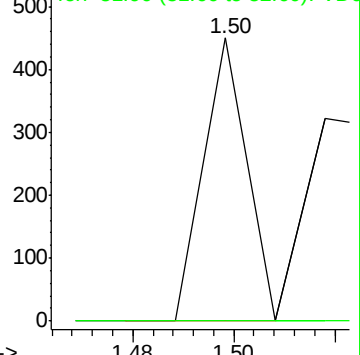
50 100

52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#11

Tert butyl alcohol

Concen: 1.563 ug/l

RT: 3.29 min Scan# 311

Delta R.T. 0.02 min

Lab File: VD058273.D

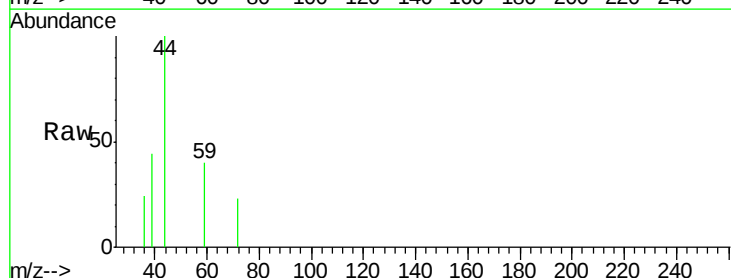
Acq: 22 Jun 2018 2:55

Tgt Ion: 59 Resp: 326

Ion Ratio Lower Upper

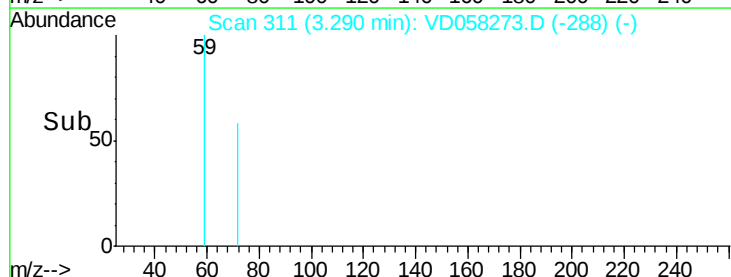
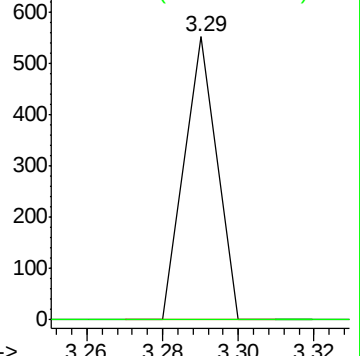
59 100

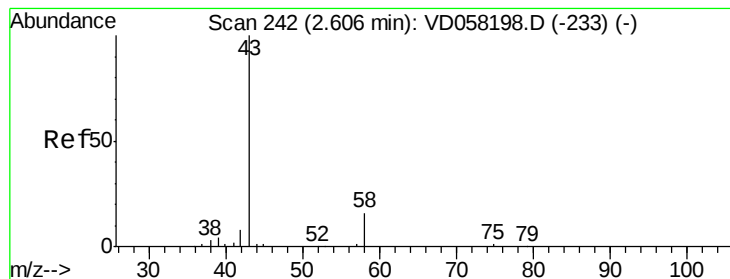
57 0.0 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 38.141 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD058273.D

Acq: 22 Jun 2018 2:55

Instrument :

MSVOA_D

ClientSampleId :

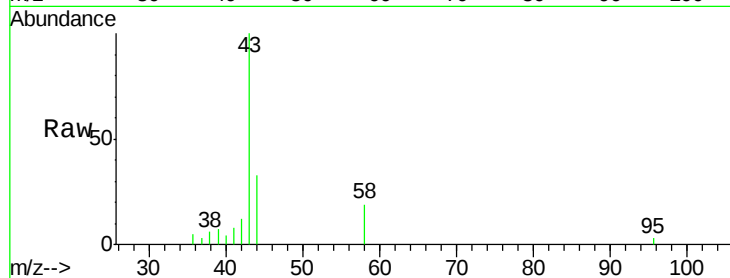
OK-01-062018

Tot Ion: 43 Resp: 32990

Ion Ratio Lower Upper

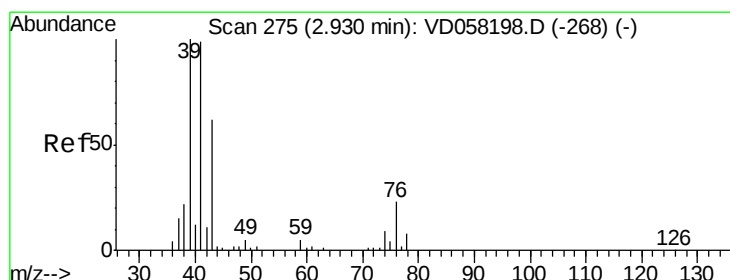
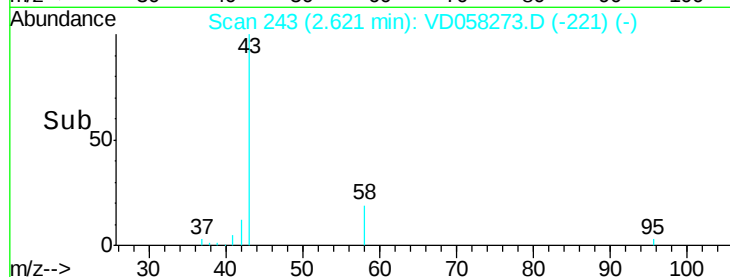
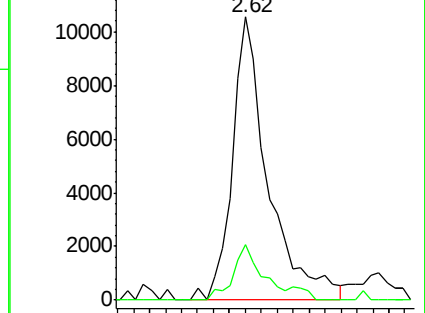
43 100

58 19.4 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 2.106 ug/l

RT: 2.95 min Scan# 276

Delta R.T. 0.02 min

Lab File: VD058273.D

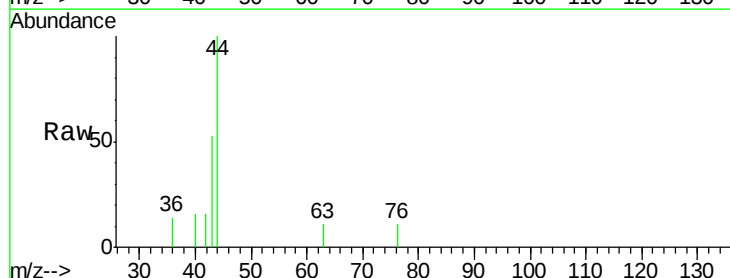
Acq: 22 Jun 2018 2:55

Tgt Ion: 43 Resp: 3885

Ion Ratio Lower Upper

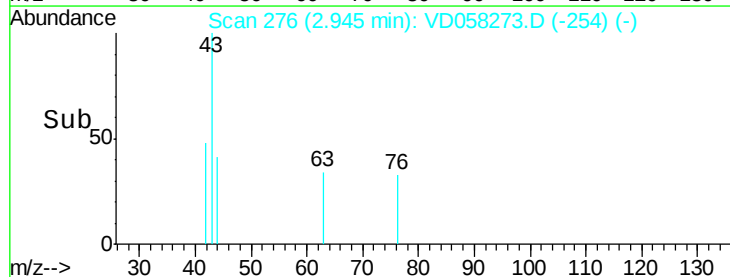
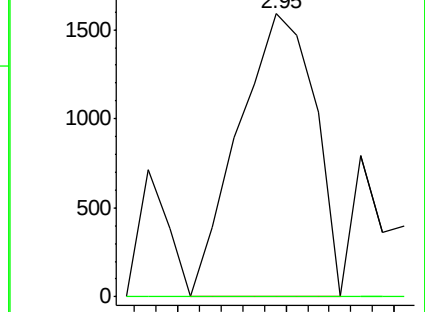
43 100

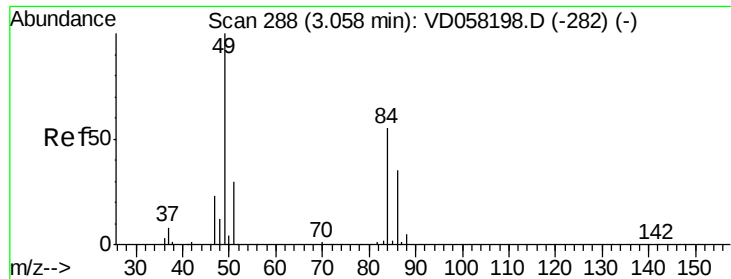
74 0.0 11.7 17.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

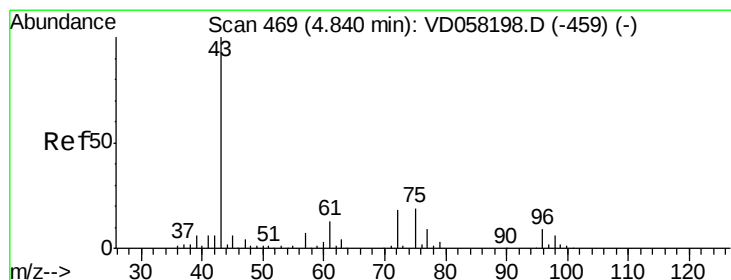
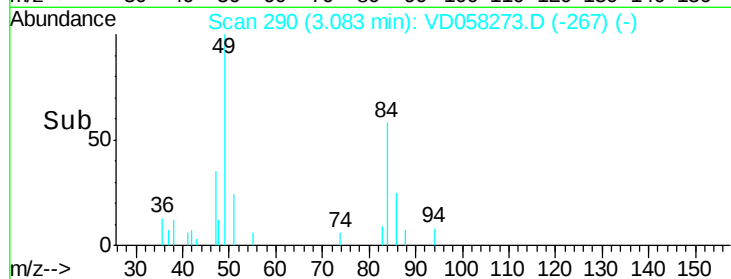
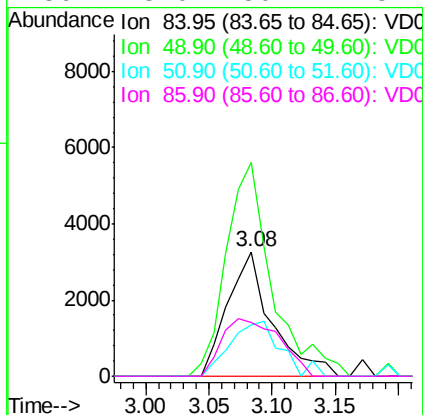
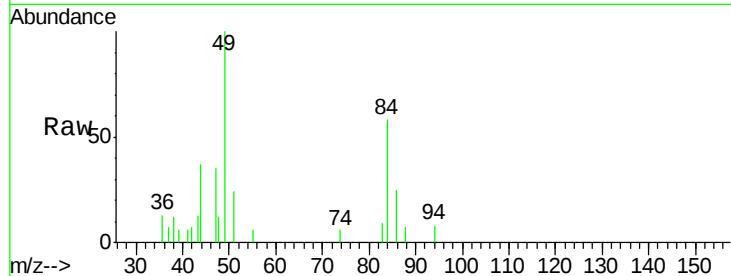




#20
Methvlene Chloride
Concen: Below Cal
RT: 3.08 min Scan# 290
Delta R.T. 0.03 min
Lab File: VD058273.D
Acq: 22 Jun 2018 2:55

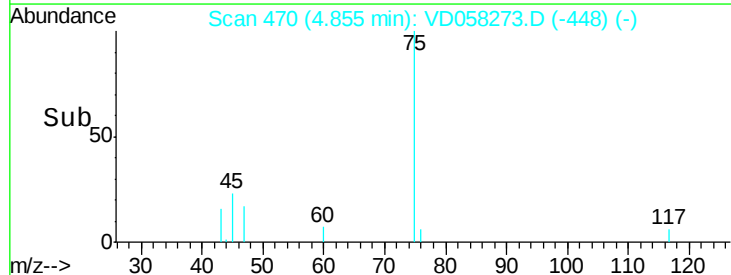
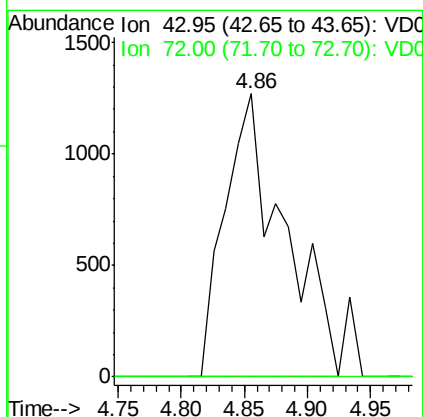
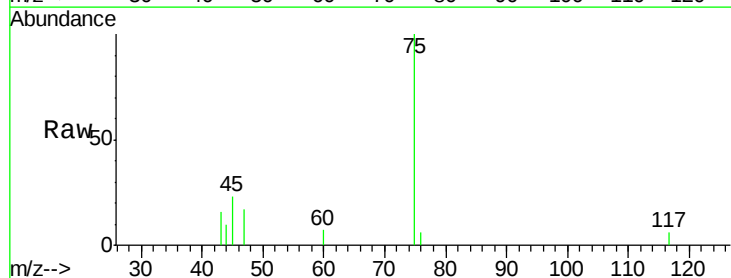
Instrument :
MSVOA_D
ClientSampleId :
OK-01-062018

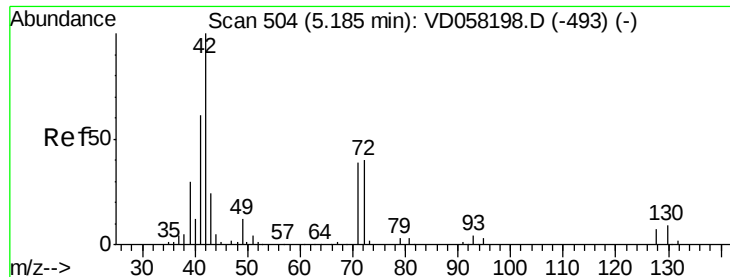
Tot Ion: 84 Resp: 7907
Ion Ratio Lower Upper
84 100
49 171.9 145.0 217.6
51 40.9 42.9 64.3#
86 43.0 50.1 75.1#



#25
2-Butanone
Concen: 2.181 ug/l
RT: 4.86 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD058273.D
Acq: 22 Jun 2018 2:55

Tgt Ion: 43 Resp: 4112
Ion Ratio Lower Upper
43 100
72 0.0 14.1 21.1#

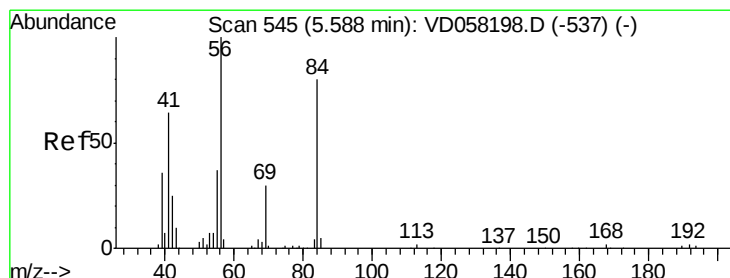
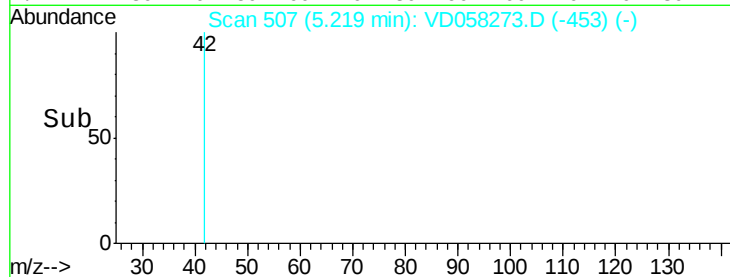
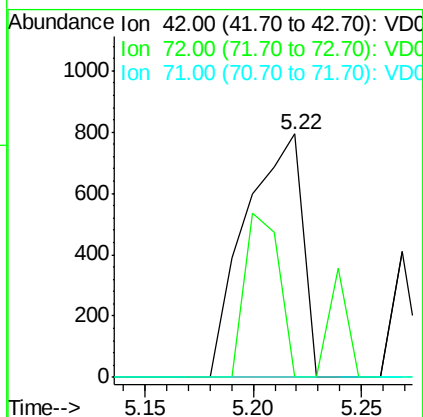
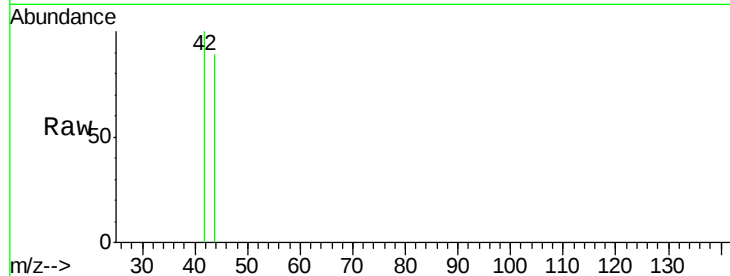




#29
Tetrahydrofuran
Concen: 1.454 ug/l
RT: 5.22 min Scan# 507
Delta R.T. 0.03 min
Lab File: VD058273.D
Acq: 22 Jun 2018 2:55

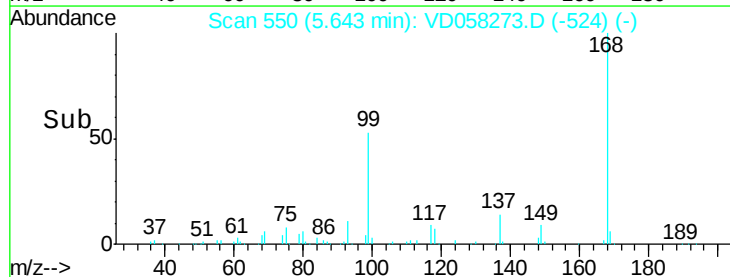
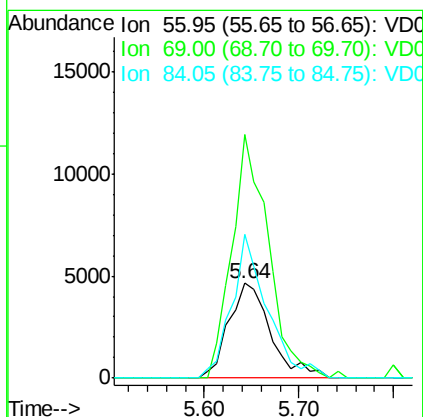
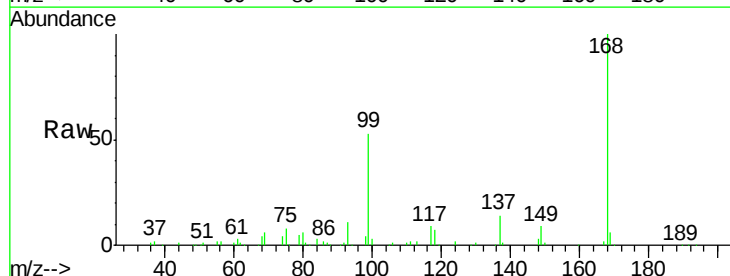
Instrument :
MSVOA_D
ClientSampleId :
OK-01-062018

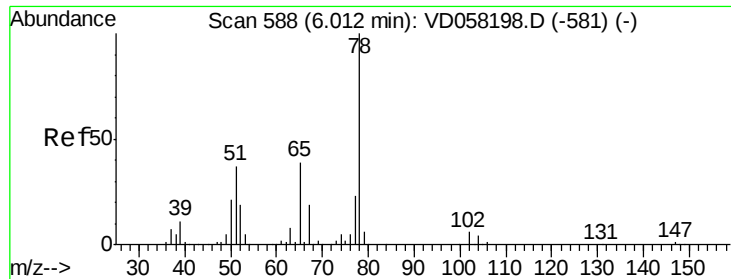
Tot Ion: 42 Resp: 1459
Ion Ratio Lower Upper
42 100
72 40.8 30.2 45.2
71 0.0 30.1 45.1#



#31
Cyclohexane
Concen: Below Cal
RT: 5.64 min Scan# 550
Delta R.T. 0.05 min
Lab File: VD058273.D
Acq: 22 Jun 2018 2:55

Tgt Ion: 56 Resp: 14193
Ion Ratio Lower Upper
56 100
69 256.1 23.6 35.4#
84 151.0 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.02 min

Lab File: VD058273.D

Acq: 22 Jun 2018 2:55

Instrument :

MSVOA_D

ClientSampleId :

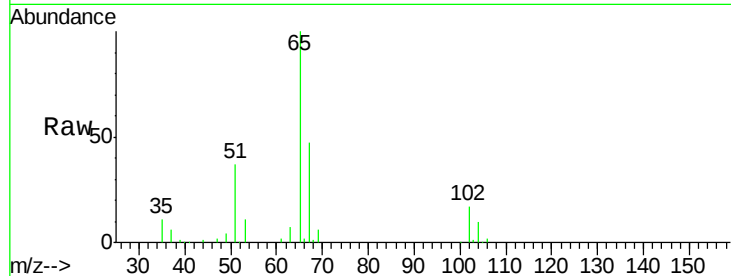
OK-01-062018

Tot Ion: 65 Resp: 362515

Ion Ratio Lower Upper

65 100

67 46.9 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.03

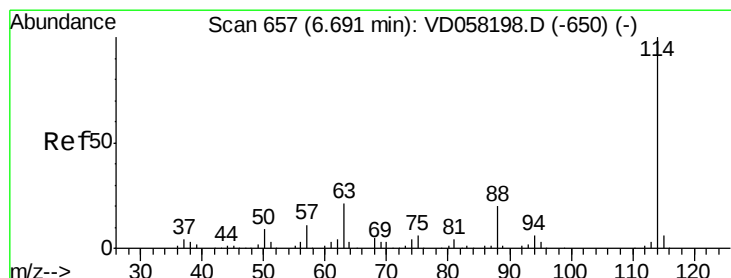
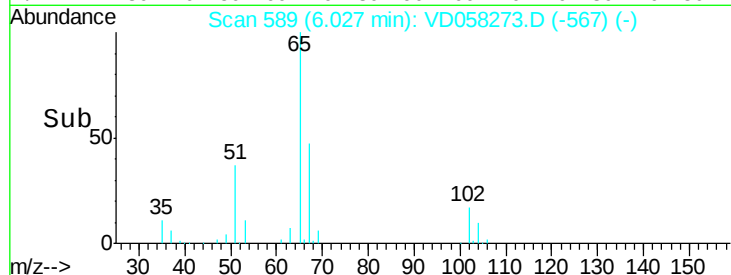
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 657

Delta R.T. 0.01 min

Lab File: VD058273.D

Acq: 22 Jun 2018 2:55

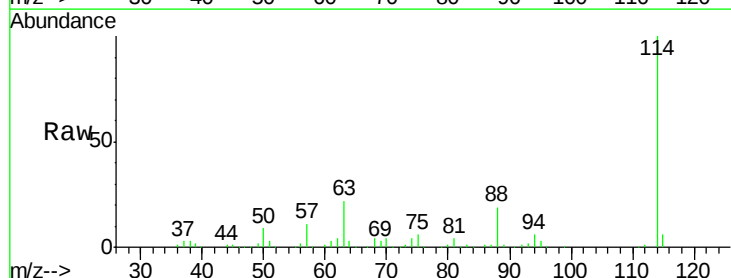
Tgt Ion: 114 Resp: 813355

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.6

88 19.2 0.0 40.6



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

6.70

400000

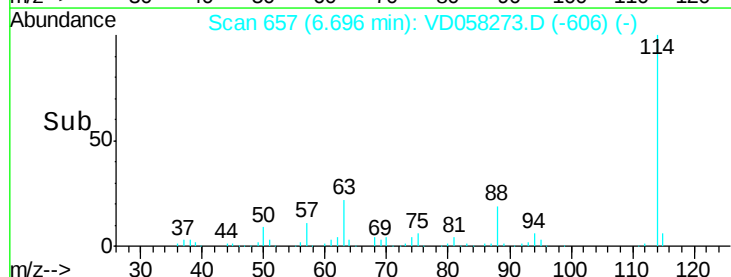
300000

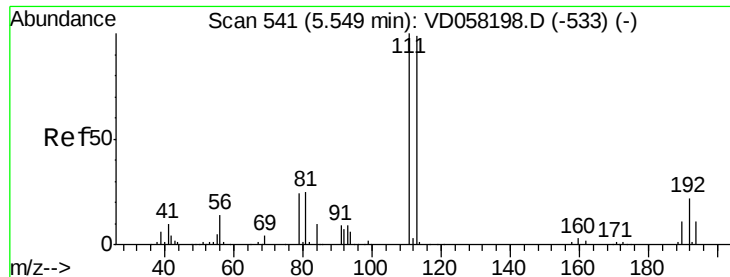
200000

100000

0

Time-->

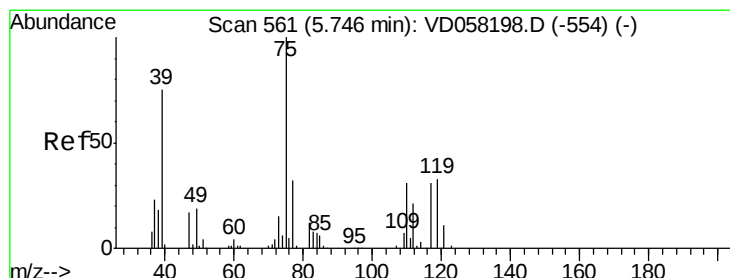
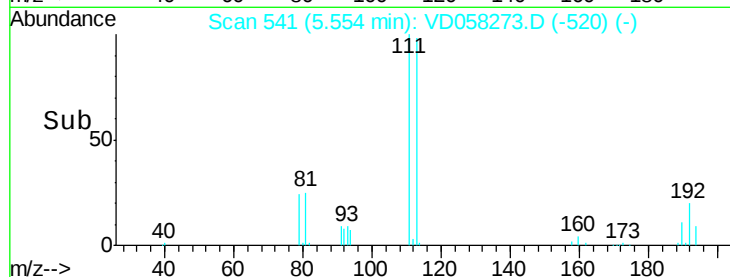
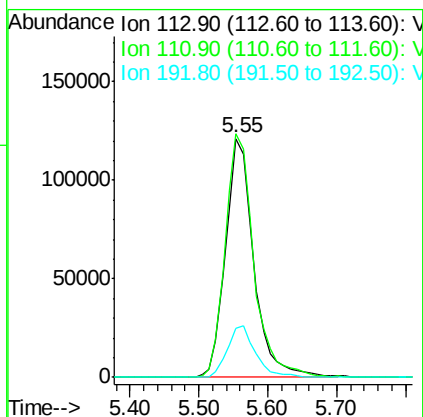
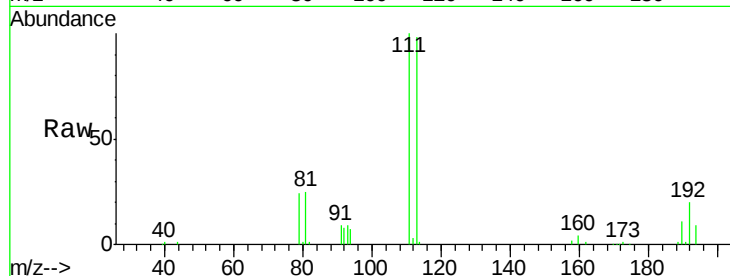




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. 0.01 min
 Lab File: VD058273.D
 Acq: 22 Jun 2018 2:55

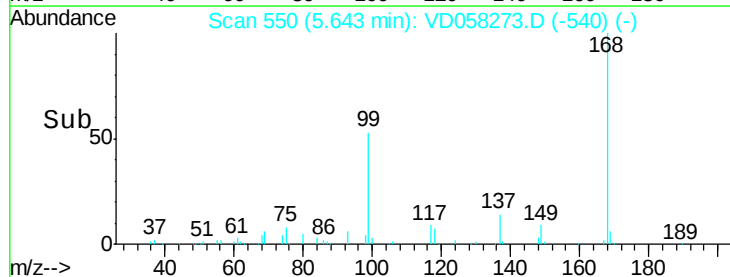
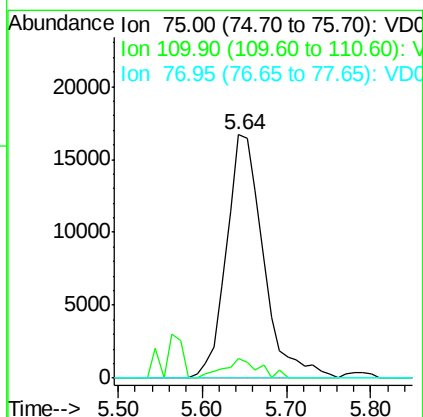
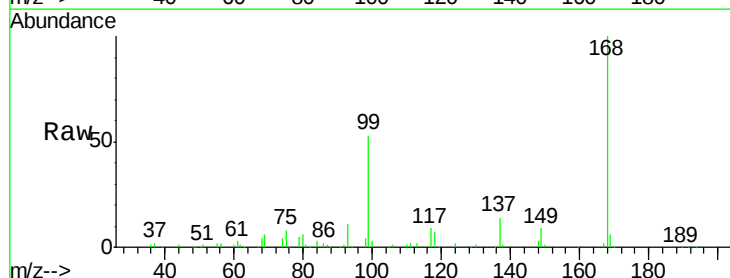
Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-062018

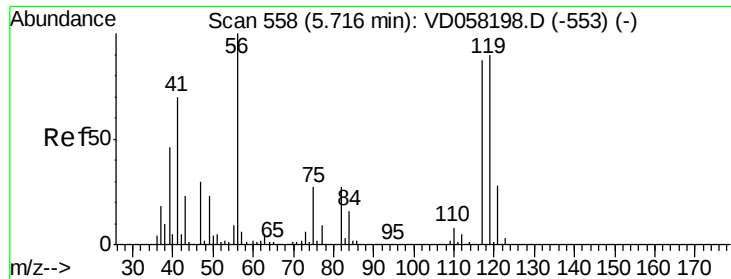
Tot Ion:113 Resp: 344901
 Ion Ratio Lower Upper
 113 100
 111 102.0 80.6 121.0
 192 20.4 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 6.356 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.10 min
 Lab File: VD058273.D
 Acq: 22 Jun 2018 2:55

Tgt Ion: 75 Resp: 51138
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.4 46.4#
 77 0.0 25.4 38.2#

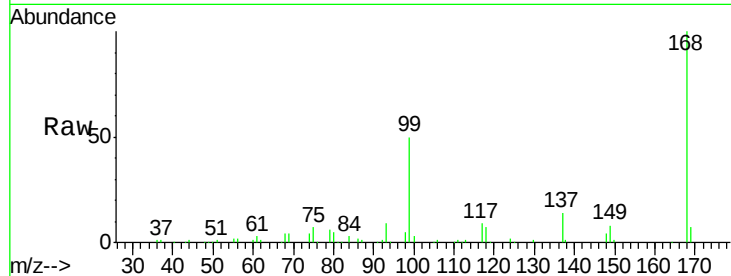




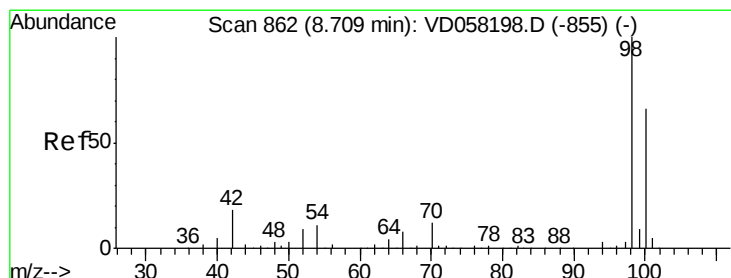
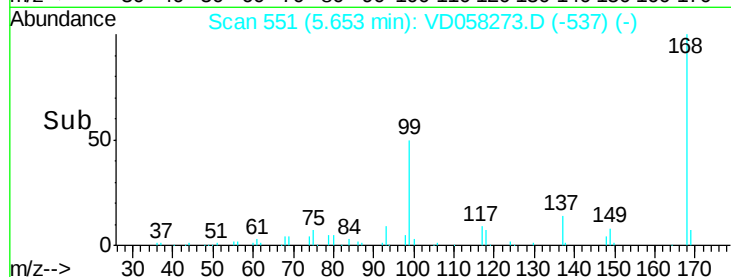
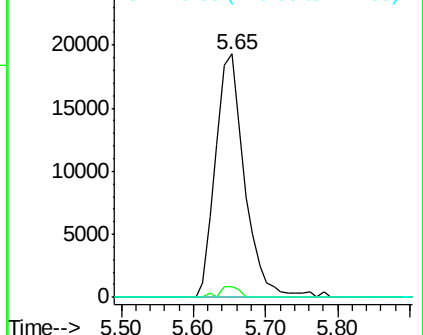
#38
Carbon Tetrachloride
Concen: 6.748 ug/l
RT: 5.65 min Scan# 551
Delta R.T. -0.06 min
Lab File: VD058273.D
Acq: 22 Jun 2018 2:55

Instrument :
MSVOA_D
ClientSampleId :
OK-01-062018

Tot Ion:117 Resp: 53946
Ion Ratio Lower Upper
117 100
119 4.5 78.8 118.2#
121 0.0 25.0 37.6#

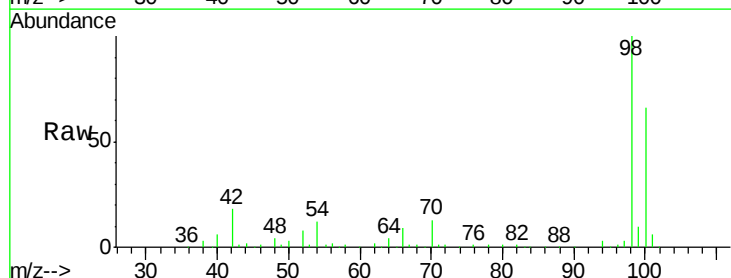


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

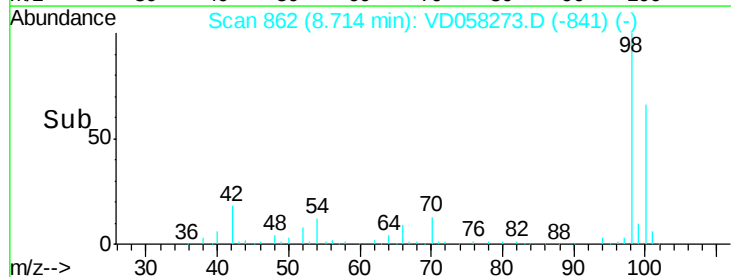
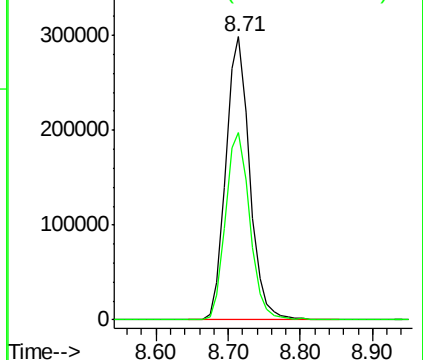


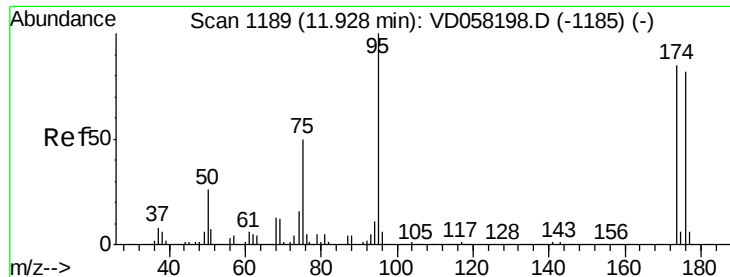
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD058273.D
Acq: 22 Jun 2018 2:55

Tgt Ion: 98 Resp: 685358
Ion Ratio Lower Upper
98 100
100 66.3 53.6 80.4



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

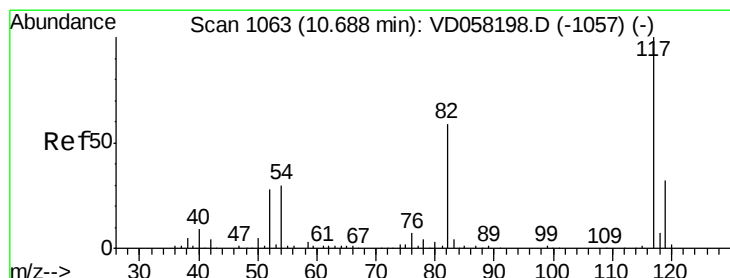
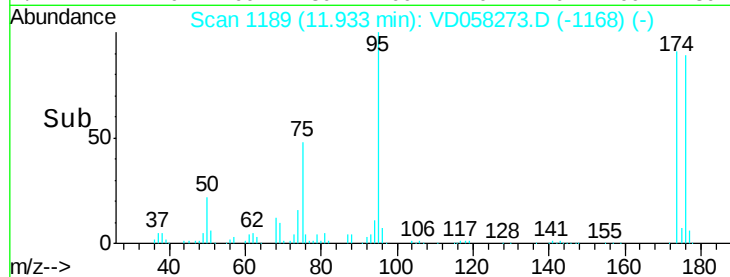
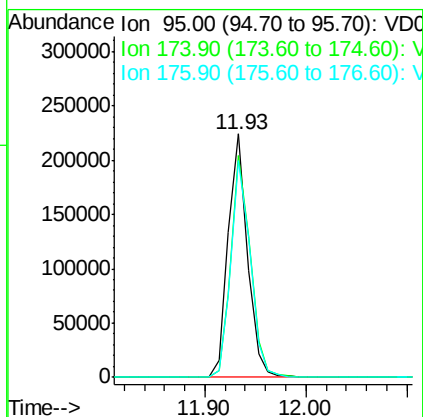
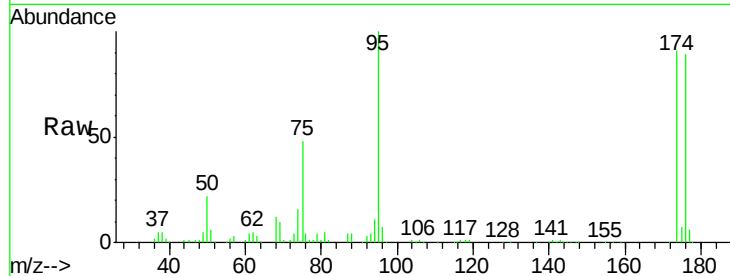




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.01 min
Lab File: VD058273.D
Acq: 22 Jun 2018 2:55

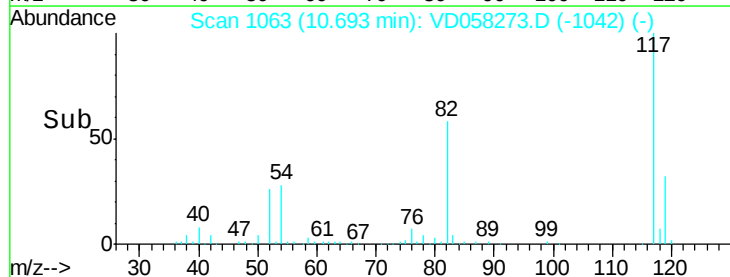
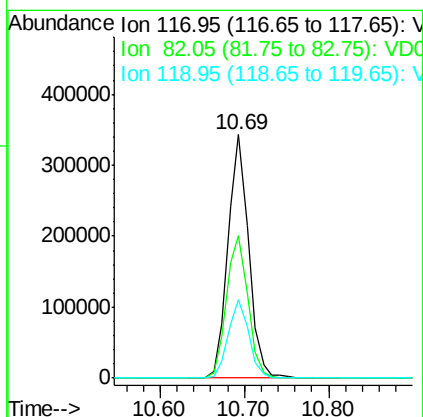
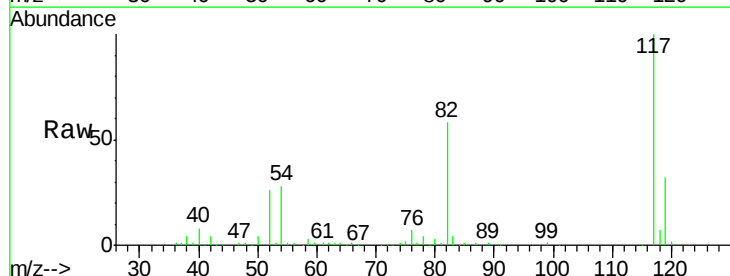
Instrument :
MSVOA_D
ClientSampleId :
OK-01-062018

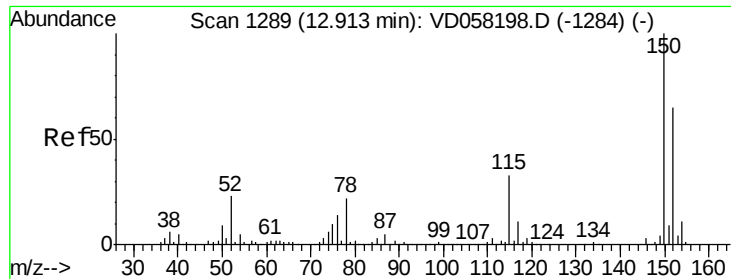
Tot Ion: 95 Resp: 297645
Ion Ratio Lower Upper
95 100
174 91.3 0.0 170.2
176 88.8 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD058273.D
Acq: 22 Jun 2018 2:55

Tgt Ion: 117 Resp: 585523
Ion Ratio Lower Upper
117 100
82 58.4 47.0 70.6
119 32.2 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058273.D

Acq: 22 Jun 2018 2:55

Instrument :

MSVOA_D

ClientSampleId :

OK-01-062018

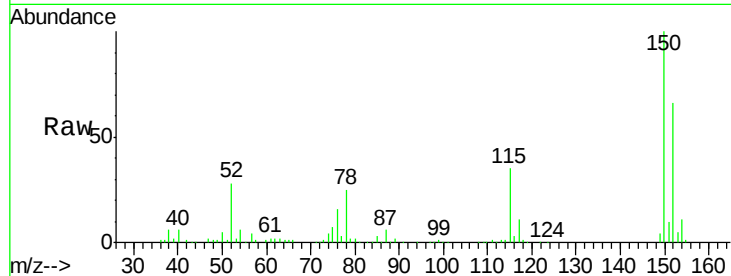
Tot Ion:152 Resp: 290034

Ion Ratio Lower Upper

152 100

115 52.4 25.1 75.3

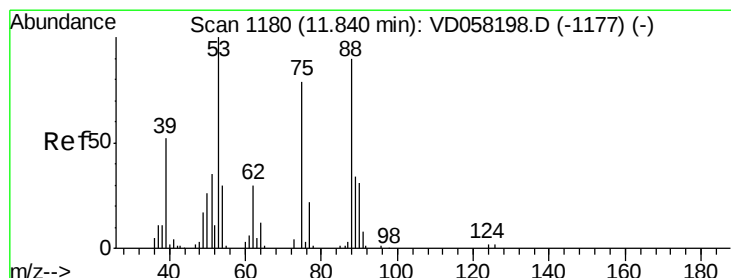
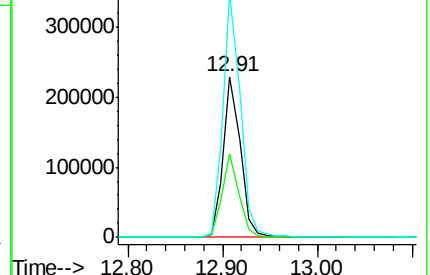
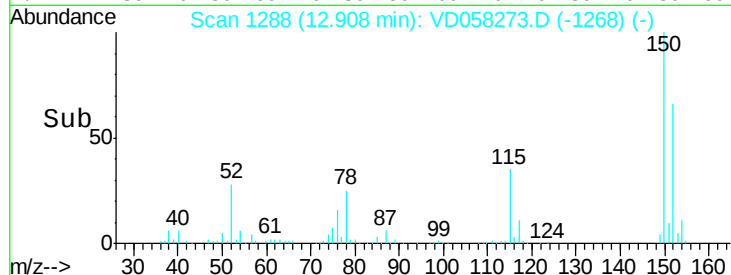
150 151.4 0.0 308.8



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: 136.032 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058273.D

Acq: 22 Jun 2018 2:55

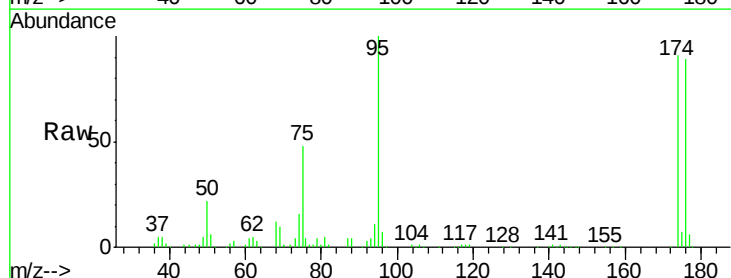
Tgt Ion: 75 Resp: 140492

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

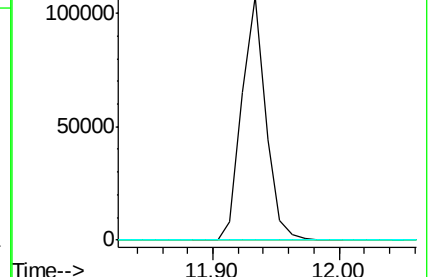
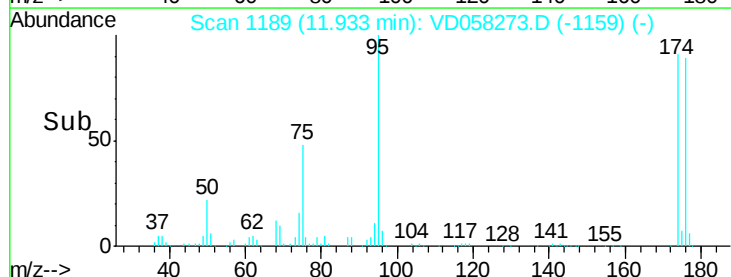
89 0.0 34.6 52.0#

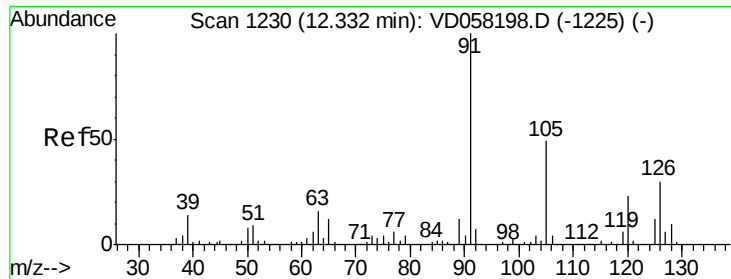


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 12.33 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058273.D
 Acq: 22 Jun 2018 2:55

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-062018

Tot Ion: 91 Resp: 1380
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

