

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058241.D
 Acq On : 21 Jun 2018 7:52
 Operator : VA/AP
 Sample : J3603-13
 Misc : 4.30g/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-10

Quant Time: Jun 21 08:35:35 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

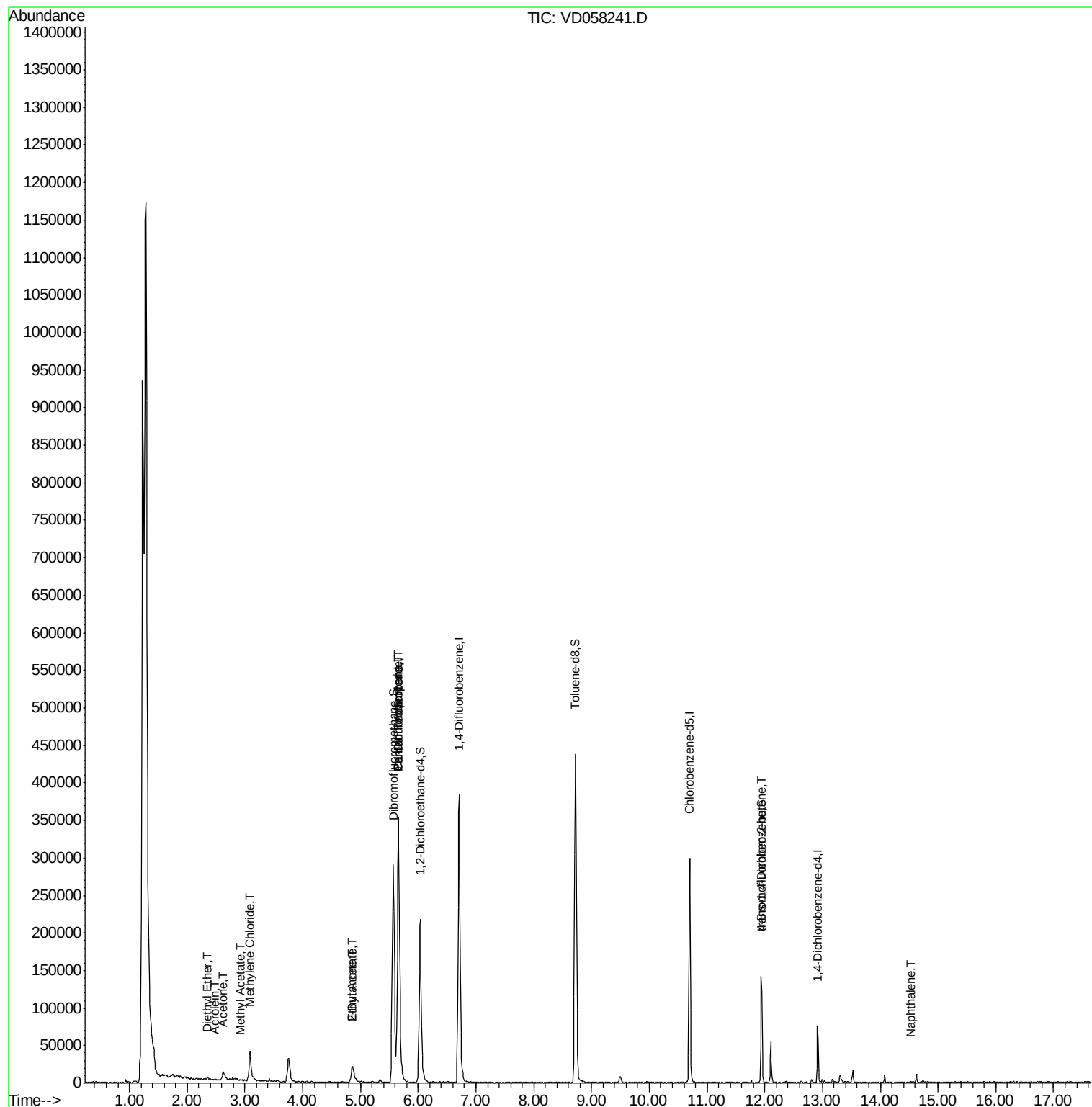
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	350257	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	409319	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	166530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	16172	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	212541	60.08	ug/l	0.03
Spiked Amount 50.000			Recovery	=	120.16%	
35) Dibromofluoromethane	5.57	113	226647	68.03	ug/l	0.02
Spiked Amount 50.000			Recovery	=	136.06%	
50) Toluene-d8	8.72	98	361359	44.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.66%	
62) 4-Bromofluorobenzene	11.94	95	40294	12.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	24.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.36	85	296	Below Cal	#	43
3) Chloromethane	1.64	50	221	Below Cal	#	43
8) Diethyl Ether	2.35	74	822	1.545	ug/l	84
13) Acrolein	2.48	56	305	4.579	ug/l #	11
16) Acetone	2.63	43	27918	57.702	ug/l	96
18) Methyl Acetate	2.94	43	1193	1.156	ug/l #	65
20) Methylene Chloride	3.09	84	17529	10.073	ug/l #	92
25) 2-Butanone	4.85	43	4447	4.217	ug/l #	60
31) Cyclohexane	5.67	56	7067	Below Cal	#	1
36) 1,1-Dichloropropene	5.66	75	30141	7.444	ug/l #	49
37) Ethyl Acetate	4.85	43	4447	1.928	ug/l #	72
38) Carbon Tetrachloride	5.66	117	27922	6.940	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.94	75	20700	359.456	ug/l #	1
82) 4-Chlorotoluene	12.34	91	199	Below Cal	#	45
95) Naphthalene	14.53	128	1256	2.327	ug/l #	70

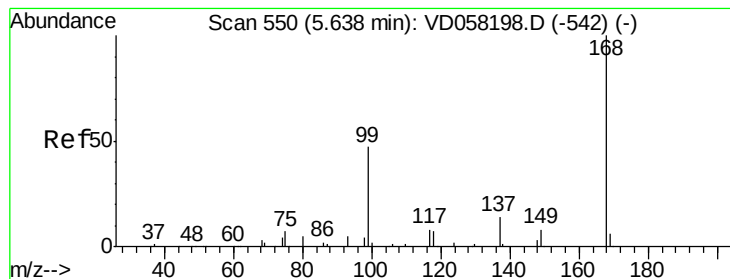
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058241.D

Acq: 21 Jun 2018 7:52

Instrument :

MSVOA_D

ClientSampleId :

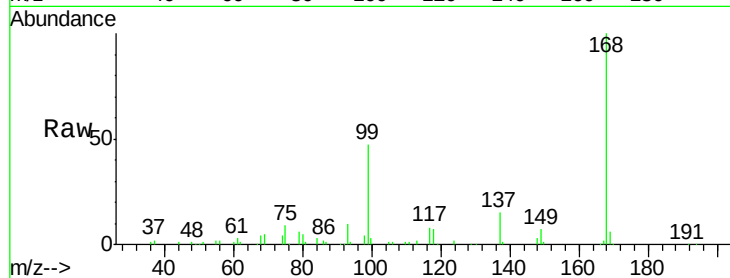
26KV-TP-10

Tot Ion:168 Resp: 350257

Ion Ratio Lower Upper

168 100

99 46.6 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.66

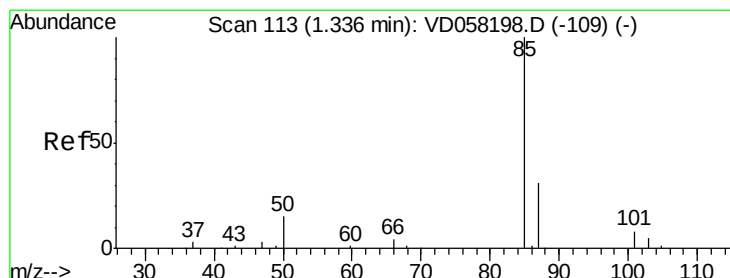
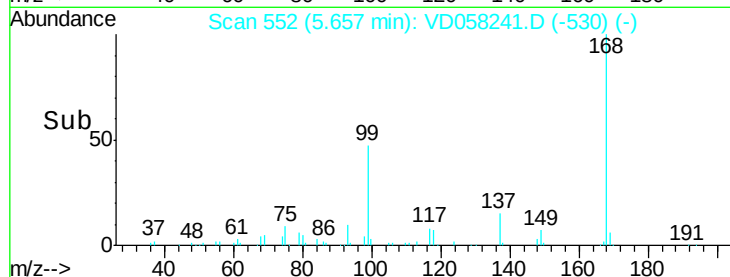
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.36 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD058241.D

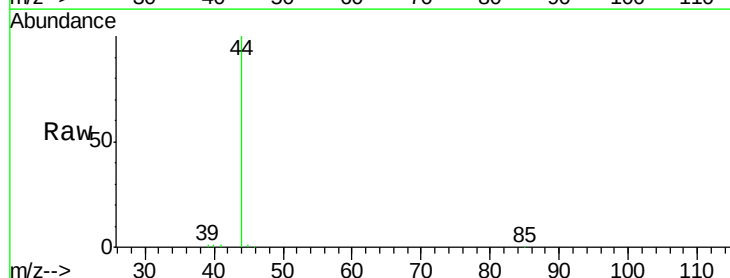
Acq: 21 Jun 2018 7:52

Tgt Ion: 85 Resp: 296

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

1.36

600

500

400

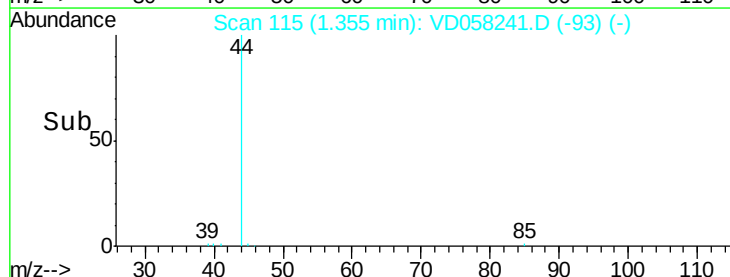
300

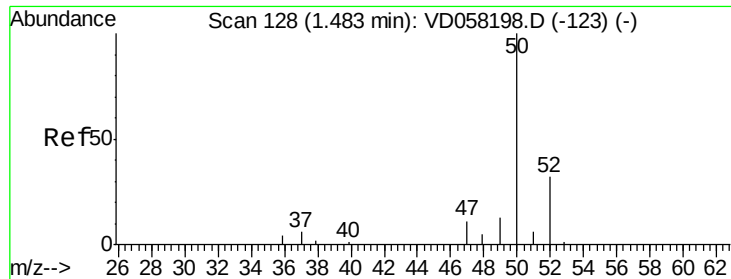
200

100

0

Time--> 1.32 1.34 1.36 1.38





#3

Chloromethane

Concen: Below Cal

RT: 1.64 min Scan# 144

Delta R.T. 0.16 min

Lab File: VD058241.D

Acq: 21 Jun 2018 7:52

Instrument :

MSVOA_D

ClientSampleId :

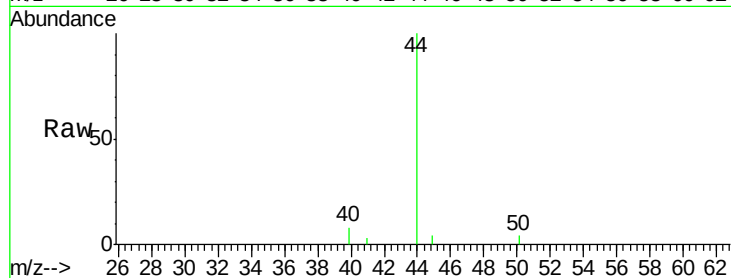
26KV-TP-10

Tot Ion: 50 Resp: 221

Ion Ratio Lower Upper

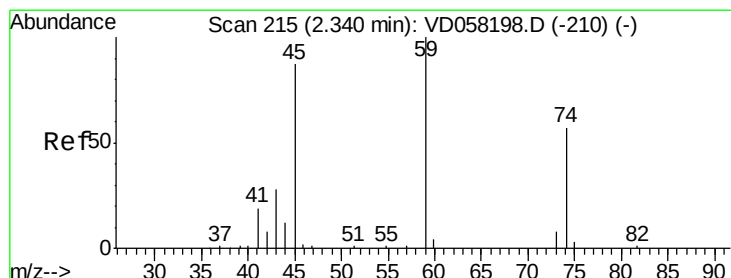
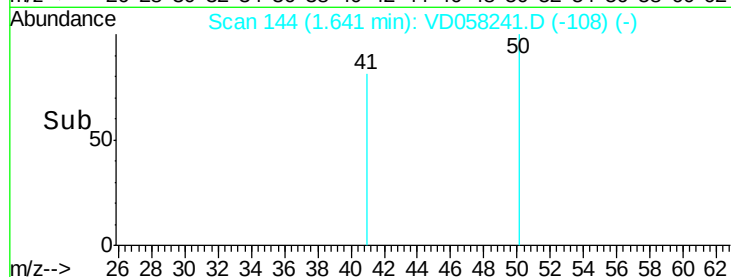
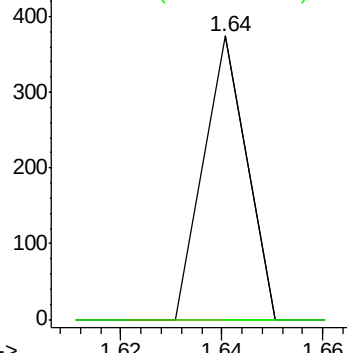
50 100

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



#8

Diethyl Ether

Concen: 1.545 ug/l

RT: 2.35 min Scan# 216

Delta R.T. 0.01 min

Lab File: VD058241.D

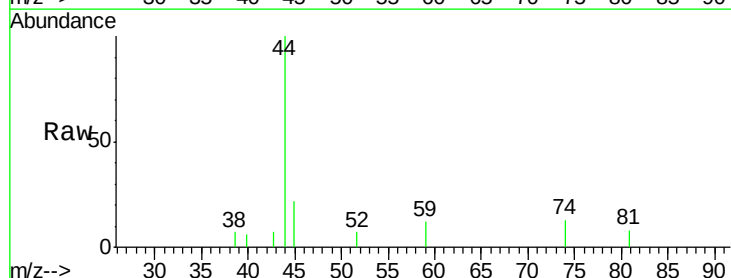
Acq: 21 Jun 2018 7:52

Tgt Ion: 74 Resp: 822

Ion Ratio Lower Upper

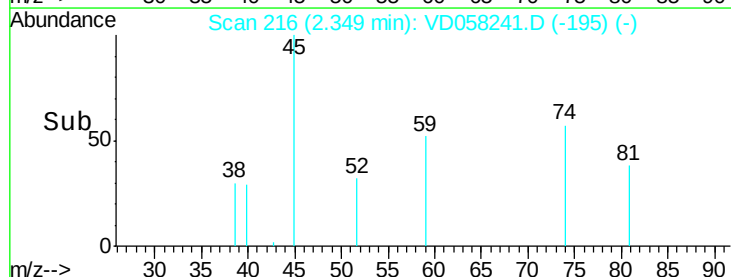
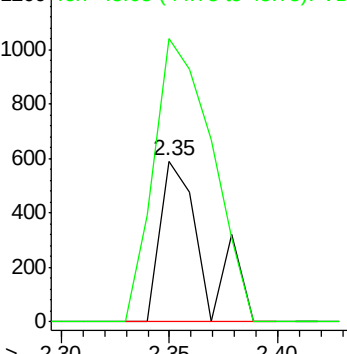
74 100

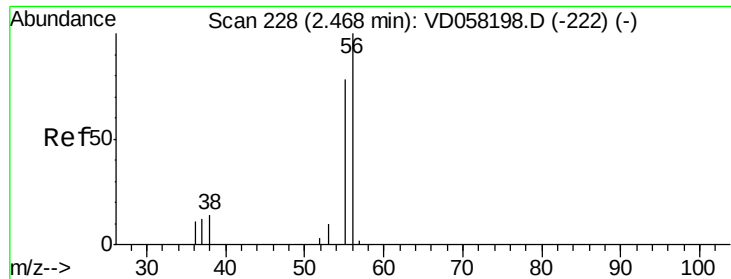
45 176.1 77.5 232.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

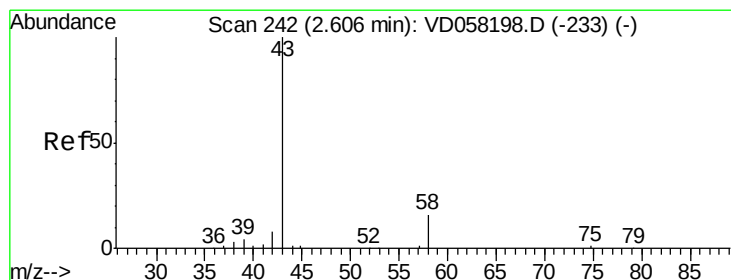
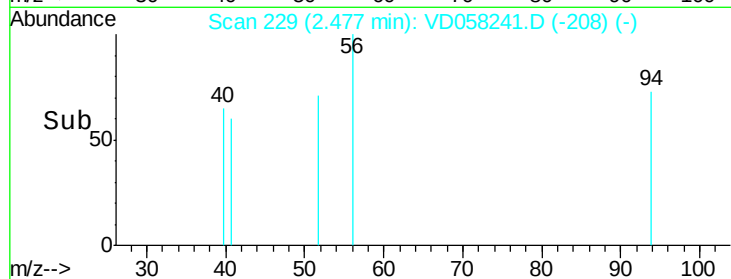
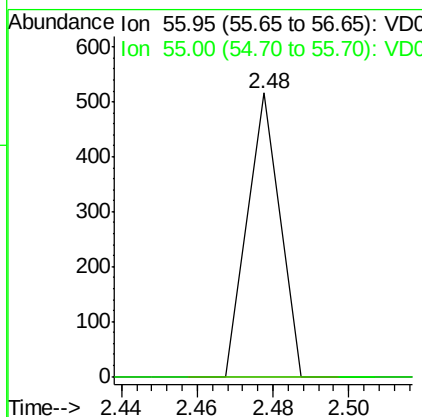
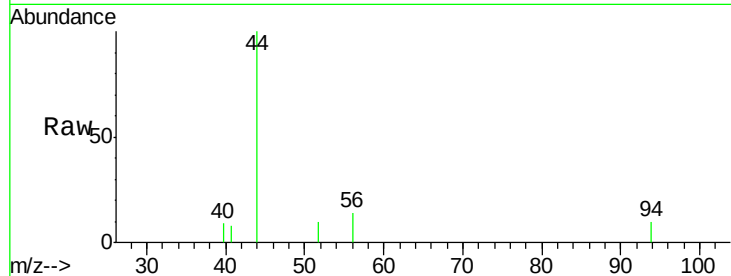




#13
Acrolein
Concen: 4.579 ug/l
RT: 2.48 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD058241.D
Acq: 21 Jun 2018 7:52

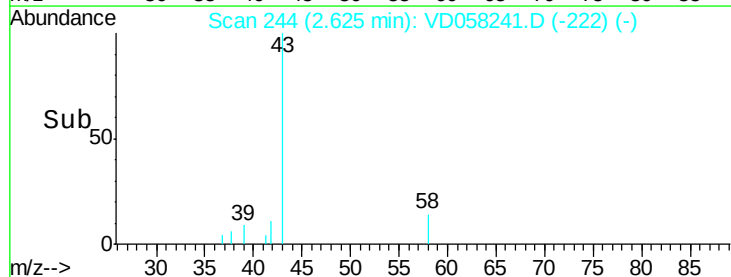
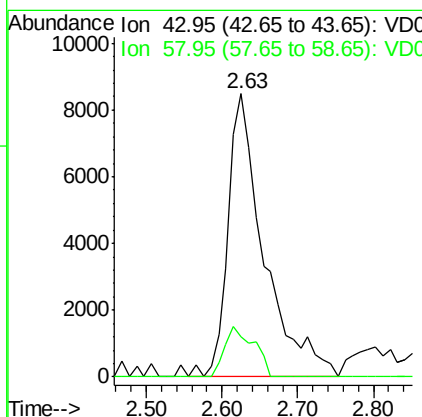
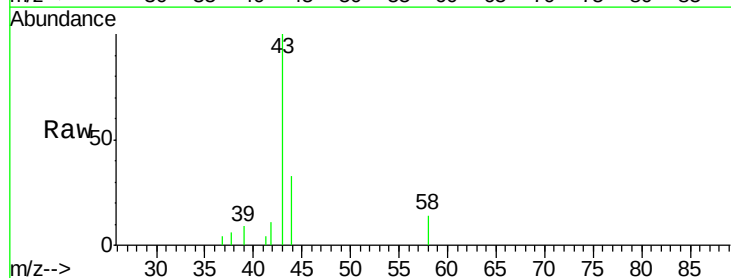
Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-10

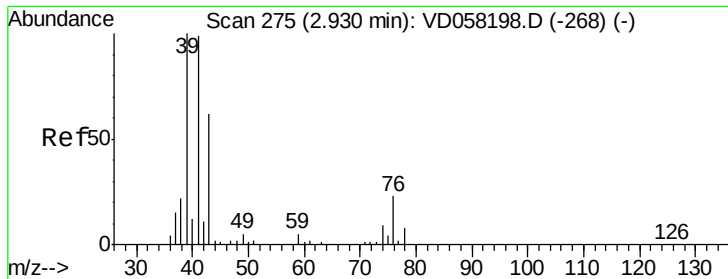
Tot Ion: 56 Resp: 305
Ion Ratio Lower Upper
56 100
55 0.0 62.1 93.1#



#16
Acetone
Concen: 57.702 ug/l
RT: 2.63 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD058241.D
Acq: 21 Jun 2018 7:52

Tgt Ion: 43 Resp: 27918
Ion Ratio Lower Upper
43 100
58 14.2 12.7 19.1

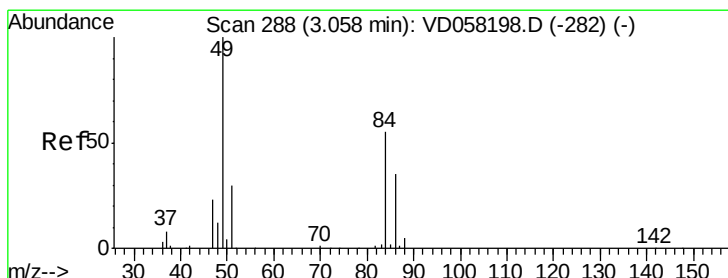
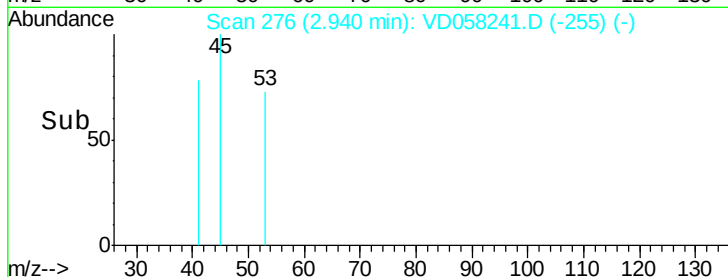
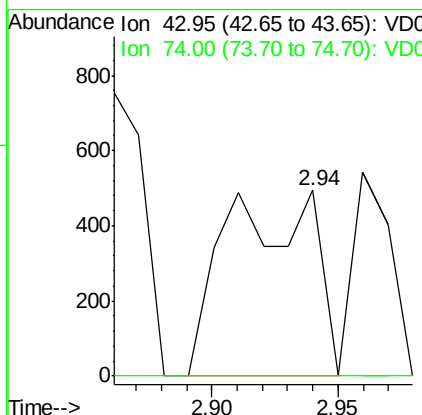
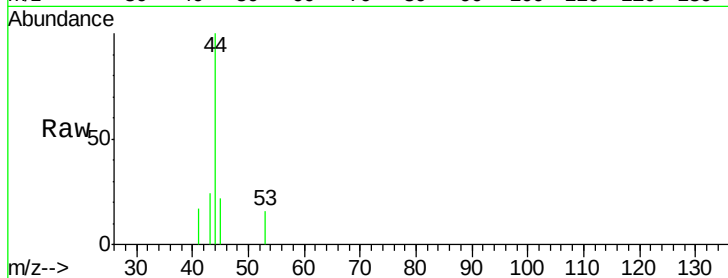




#18
Methyl Acetate
Concen: 1.156 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.01 min
Lab File: VD058241.D
Acq: 21 Jun 2018 7:52

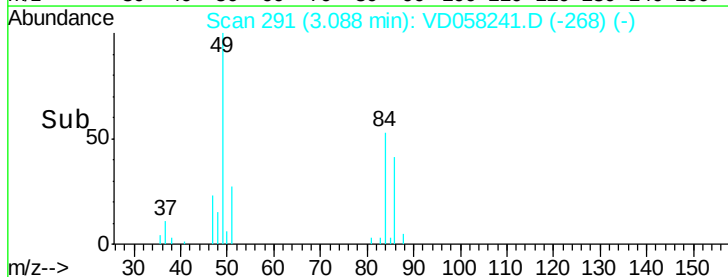
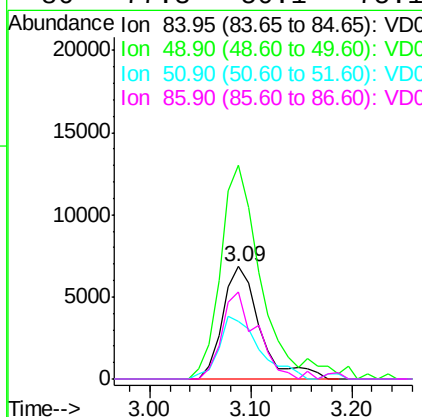
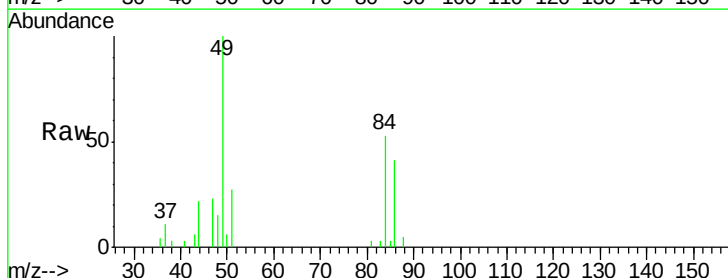
Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-10

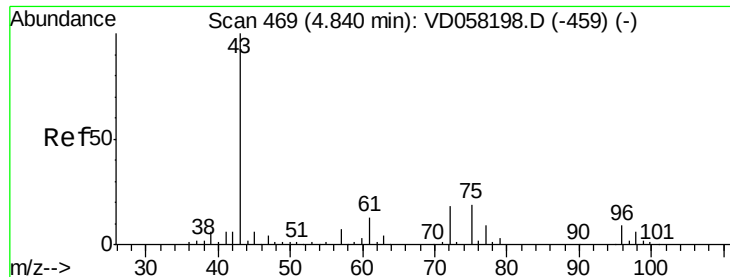
Tot Ion: 43 Resp: 1193
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: 10.073 ug/l
RT: 3.09 min Scan# 291
Delta R.T. 0.03 min
Lab File: VD058241.D
Acq: 21 Jun 2018 7:52

Tgt Ion: 84 Resp: 17529
Ion Ratio Lower Upper
84 100
49 190.3 145.0 217.6
51 51.0 42.9 64.3
86 77.3 50.1 75.1#





#25

2-Butanone

Concen: 4.217 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058241.D

Acq: 21 Jun 2018 7:52

Instrument :

MSVOA_D

ClientSampleId :

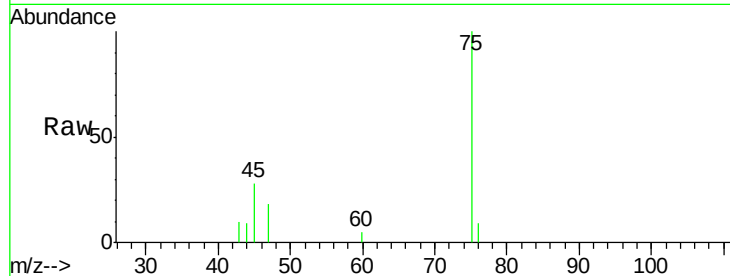
26KV-TP-10

Tot Ion: 43 Resp: 4447

Ion Ratio Lower Upper

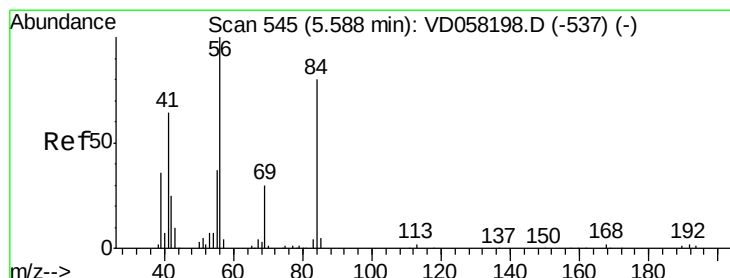
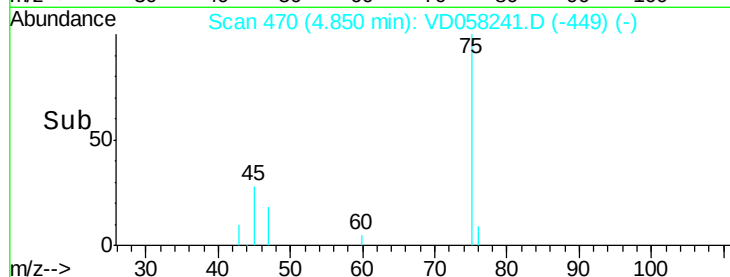
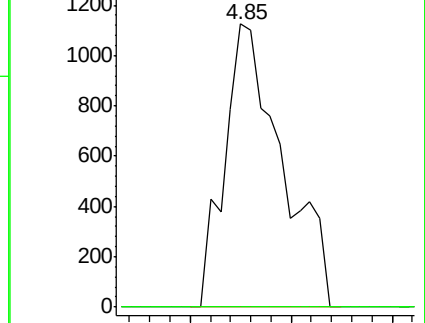
43 100

72 0.0 14.1 21.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 5.67 min Scan# 553

Delta R.T. 0.08 min

Lab File: VD058241.D

Acq: 21 Jun 2018 7:52

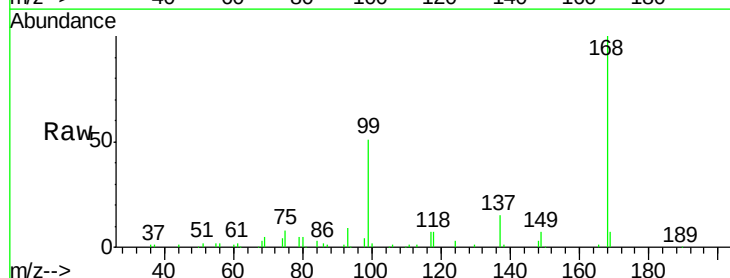
Tgt Ion: 56 Resp: 7067

Ion Ratio Lower Upper

56 100

69 202.7 23.6 35.4#

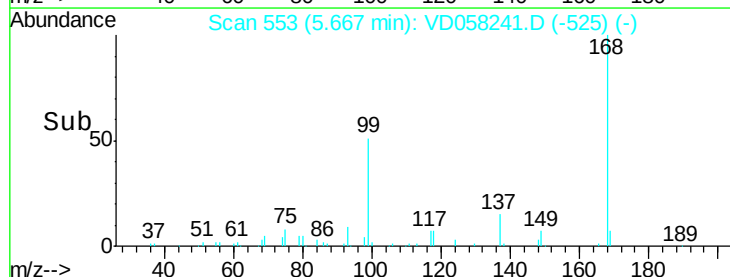
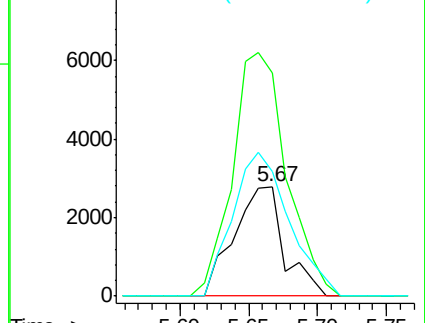
84 113.5 65.2 97.8#

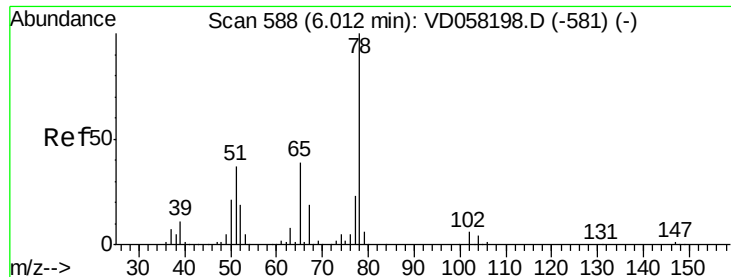


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

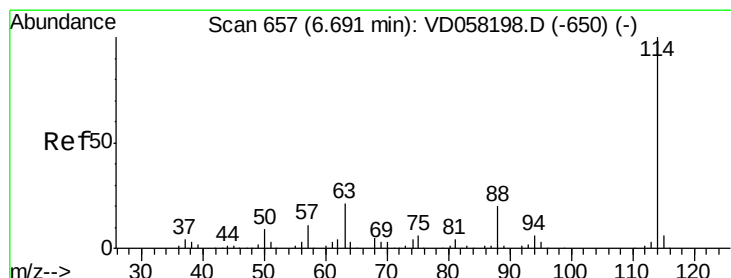
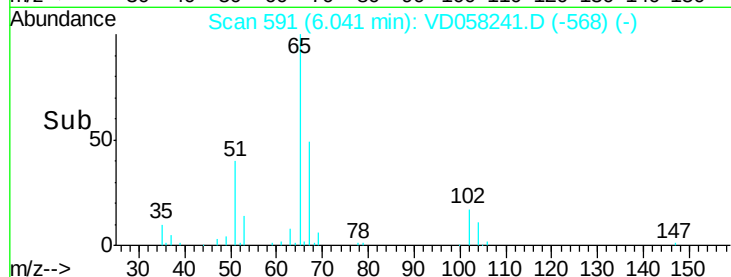
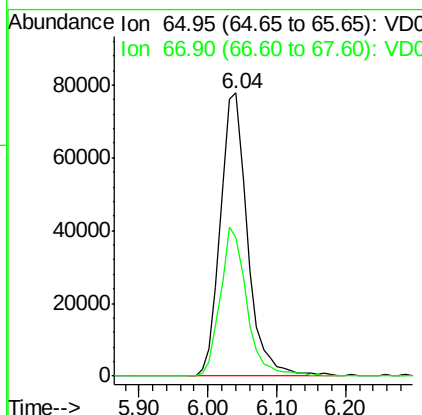
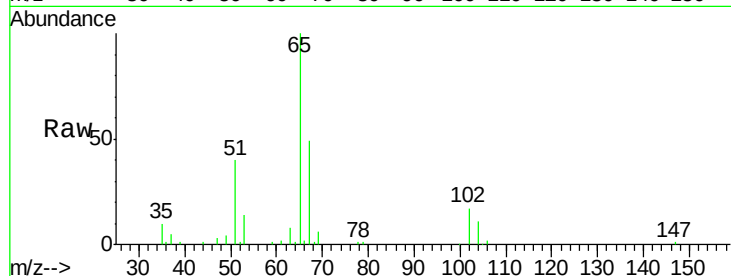




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.04 min Scan# 591
 Delta R.T. 0.03 min
 Lab File: VD058241.D
 Acq: 21 Jun 2018 7:52

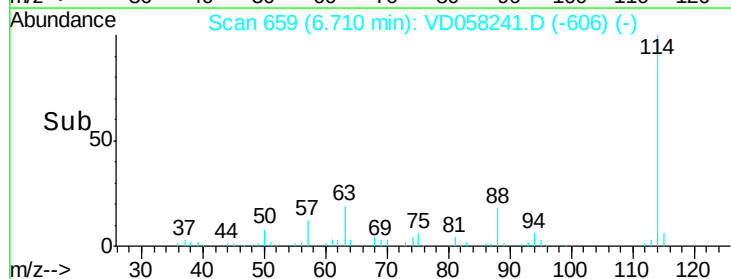
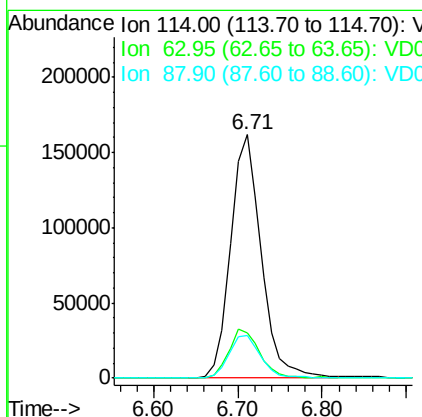
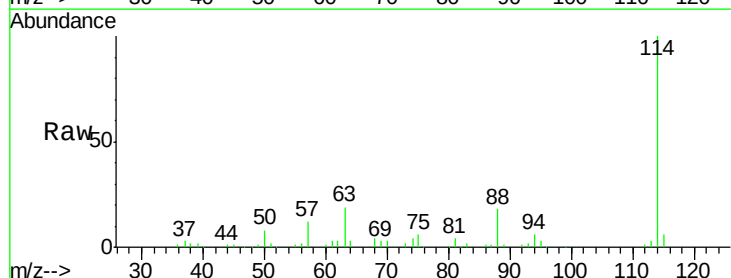
Instrument :
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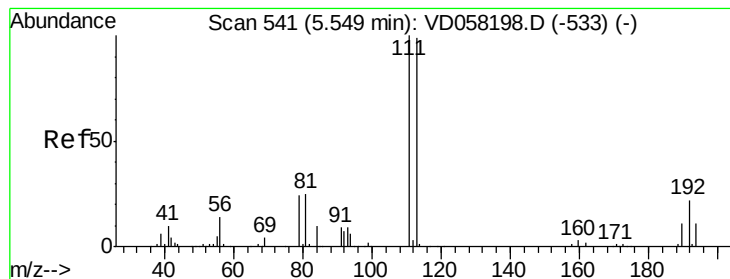
Tot Ion: 65 Resp: 212541
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.71 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VD058241.D
 Acq: 21 Jun 2018 7:52

Tgt Ion: 114 Resp: 409319
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 42.6
 88 17.6 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.57 min Scan# 543

Delta R.T. 0.02 min

Lab File: VD058241.D

Acq: 21 Jun 2018 7:52

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-10

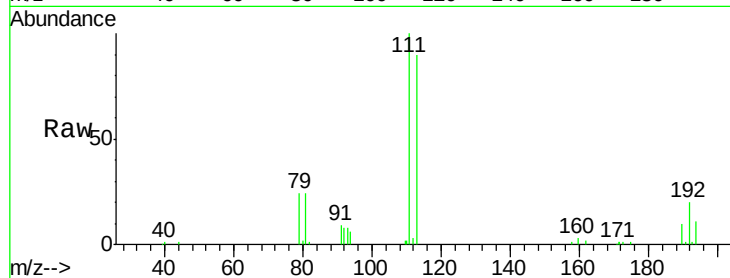
Tot Ion:113 Resp: 226647

Ion Ratio Lower Upper

113 100

111 110.7 80.6 121.0

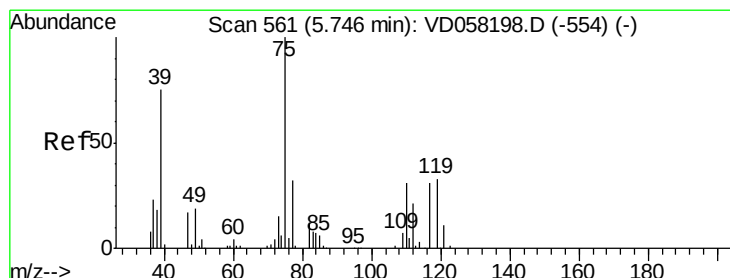
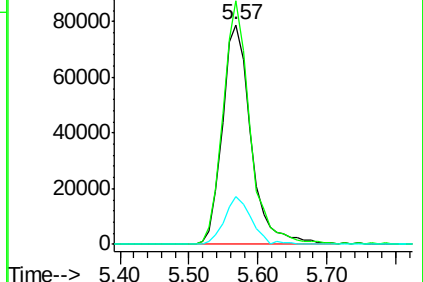
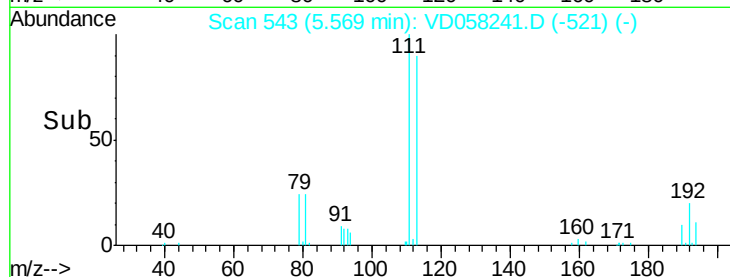
192 21.7 17.8 26.6



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: 7.444 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.09 min

Lab File: VD058241.D

Acq: 21 Jun 2018 7:52

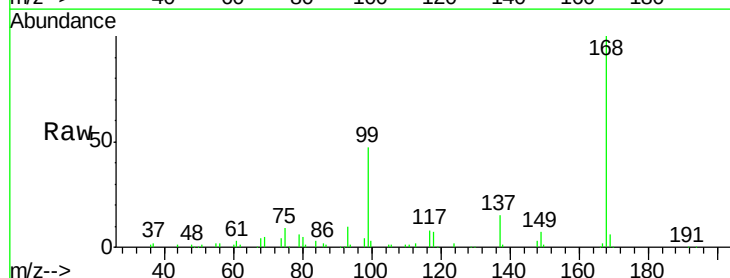
Tgt Ion: 75 Resp: 30141

Ion Ratio Lower Upper

75 100

110 6.9 15.4 46.4#

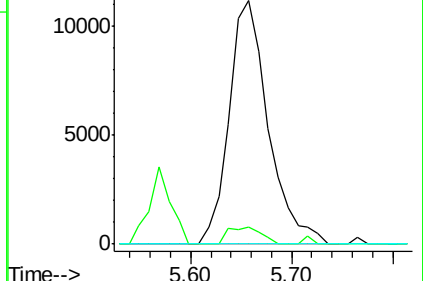
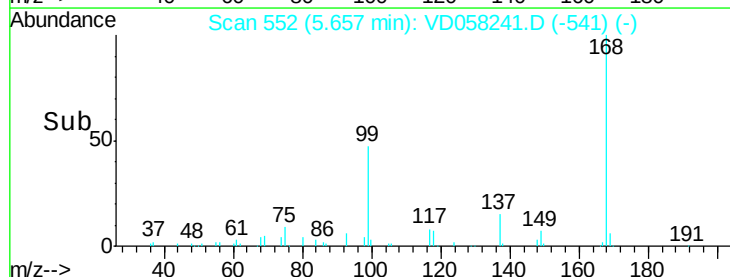
77 0.0 25.4 38.2#

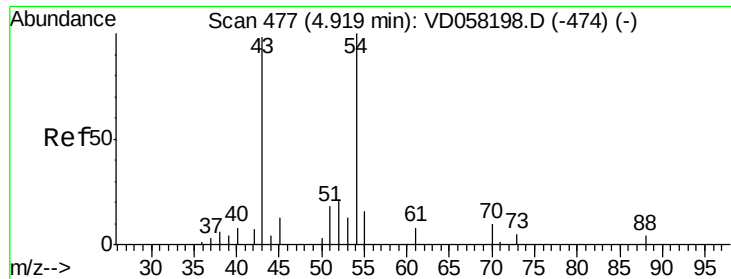


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

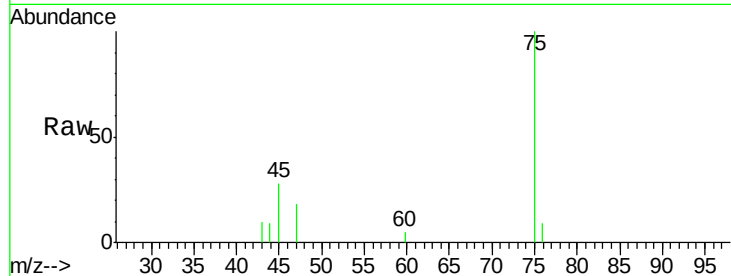




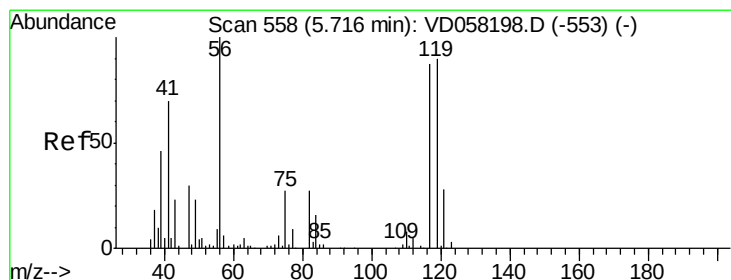
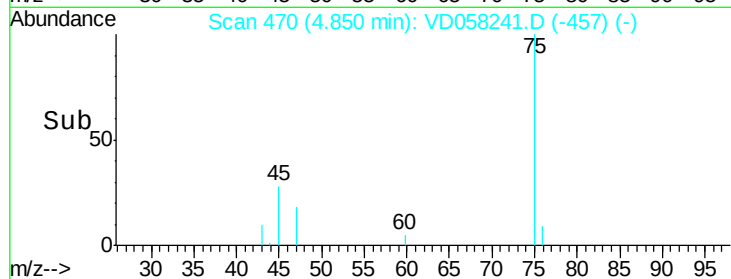
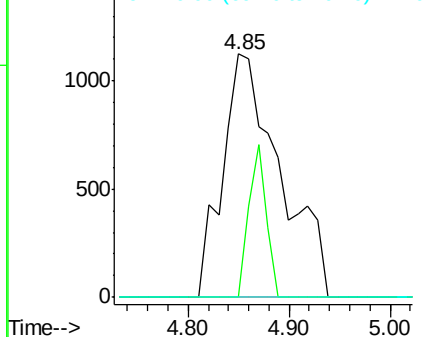
#37
Ethyl Acetate
Concen: 1.928 ug/l
RT: 4.85 min Scan# 470
Delta R.T. -0.07 min
Lab File: VD058241.D
Acq: 21 Jun 2018 7:52

Instrument :
MSVOA_D
ClientSampled :
26KV-TP-10

Tot Ion: 43 Resp: 4447
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 0.0 5.7 8.5#

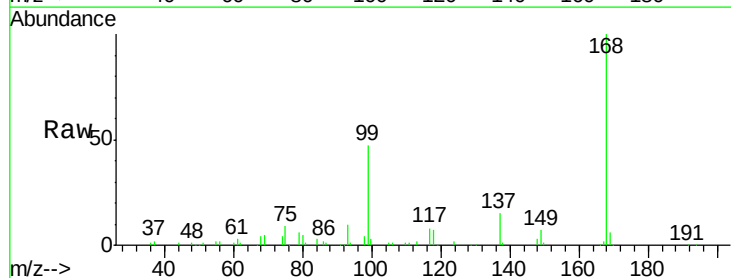


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

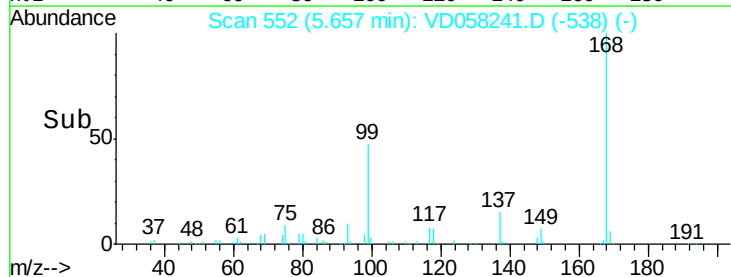
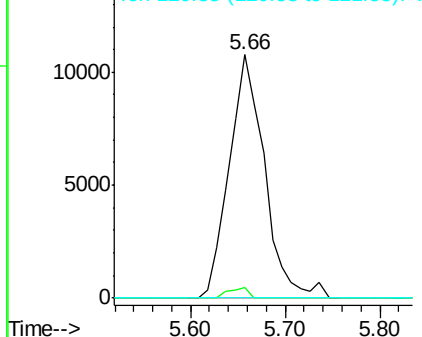


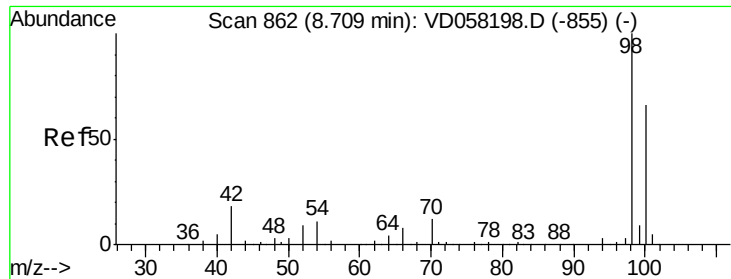
#38
Carbon Tetrachloride
Concen: 6.940 ug/l
RT: 5.66 min Scan# 552
Delta R.T. -0.06 min
Lab File: VD058241.D
Acq: 21 Jun 2018 7:52

Tgt Ion: 117 Resp: 27922
Ion Ratio Lower Upper
117 100
119 4.4 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

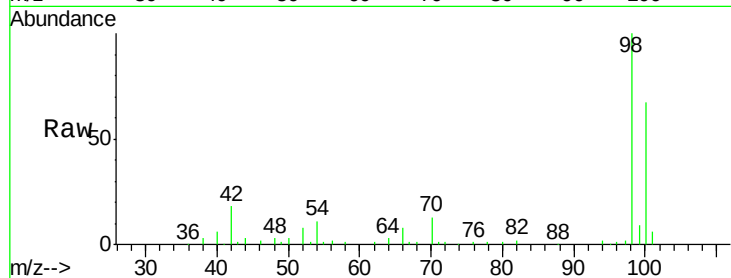




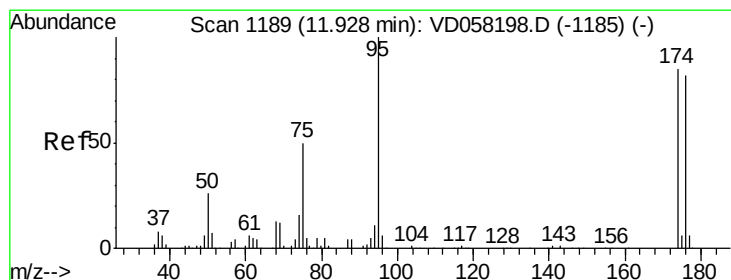
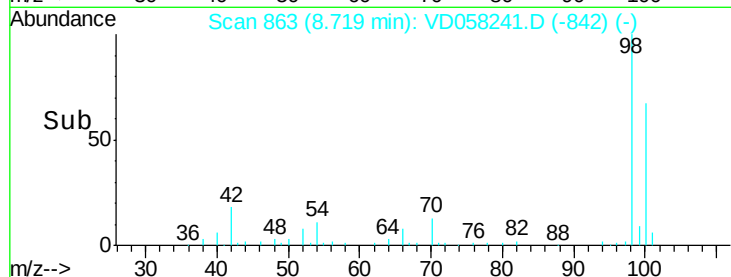
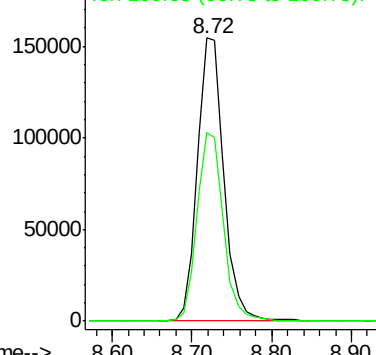
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058241.D
Acq: 21 Jun 2018 7:52

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-10

Tot Ion: 98 Resp: 361359
Ion Ratio Lower Upper
98 100
100 66.8 53.6 80.4

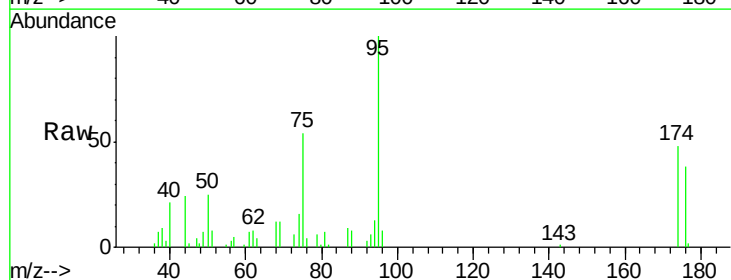


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

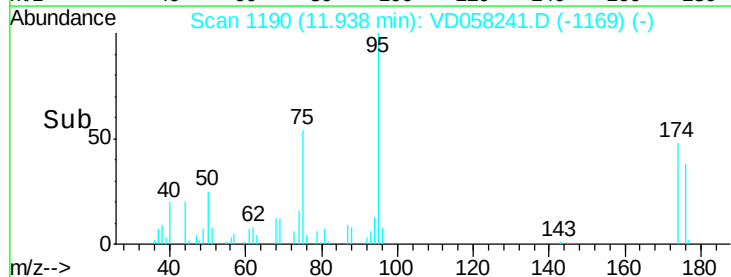
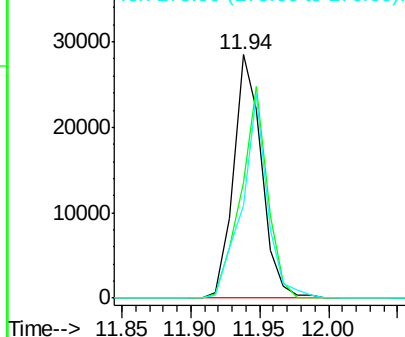


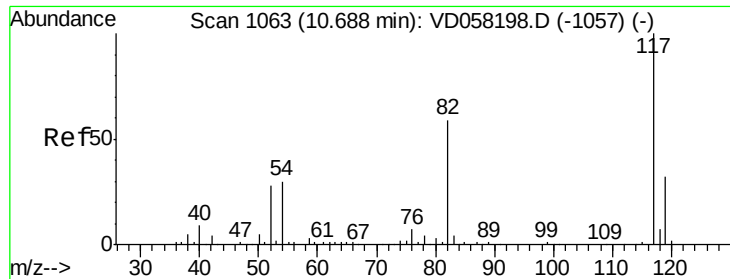
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058241.D
Acq: 21 Jun 2018 7:52

Tgt Ion: 95 Resp: 40294
Ion Ratio Lower Upper
95 100
174 47.7 0.0 170.2
176 38.0 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

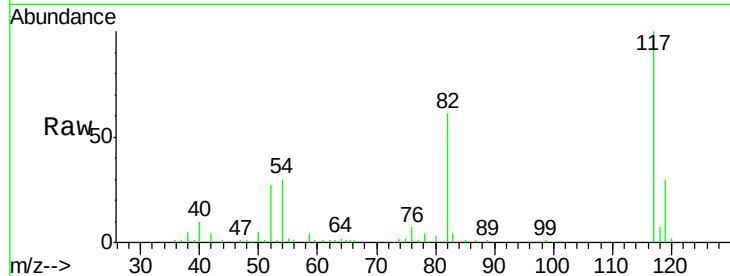




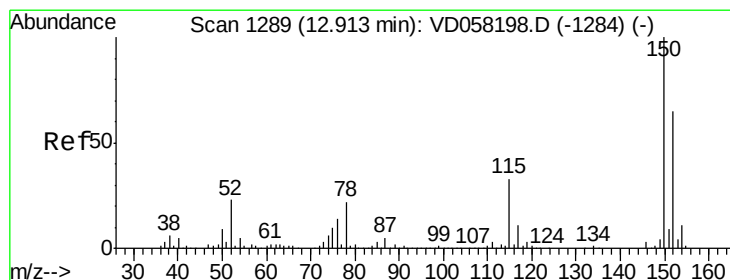
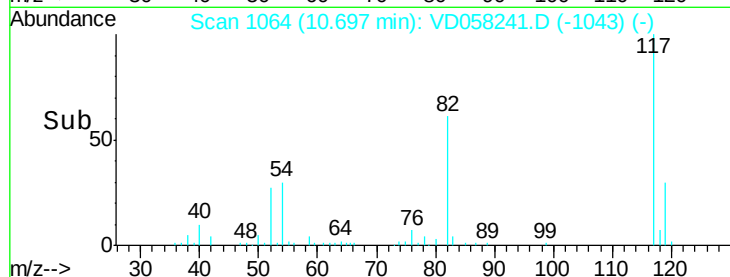
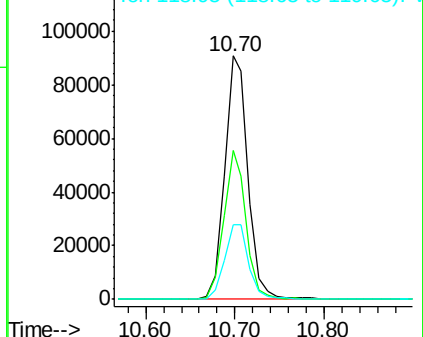
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058241.D
Acq: 21 Jun 2018 7:52

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-10

Tot Ion:117 Resp: 166530
Ion Ratio Lower Upper
117 100
82 60.9 47.0 70.6
119 30.5 25.3 37.9

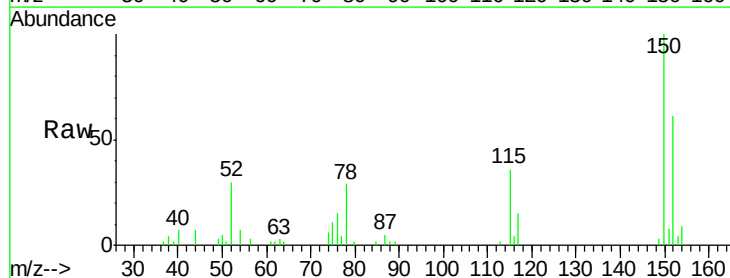


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

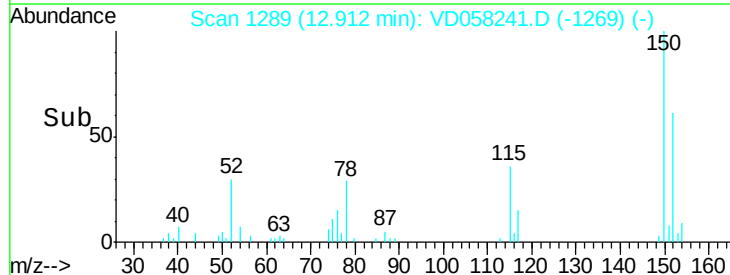
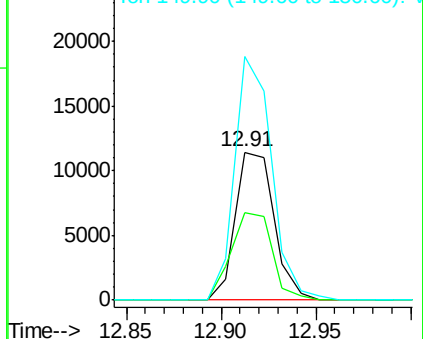


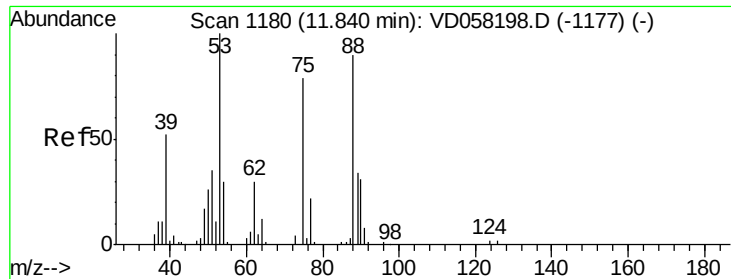
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058241.D
Acq: 21 Jun 2018 7:52

Tgt Ion:152 Resp: 16172
Ion Ratio Lower Upper
152 100
115 59.0 25.1 75.3
150 164.7 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: 359.456 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058241.D

Acq: 21 Jun 2018 7:52

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-10

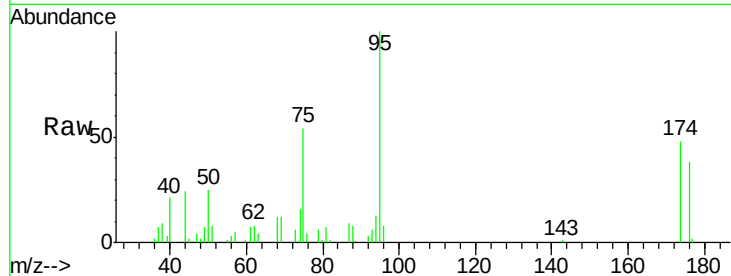
Tot Ion: 75 Resp: 20700

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

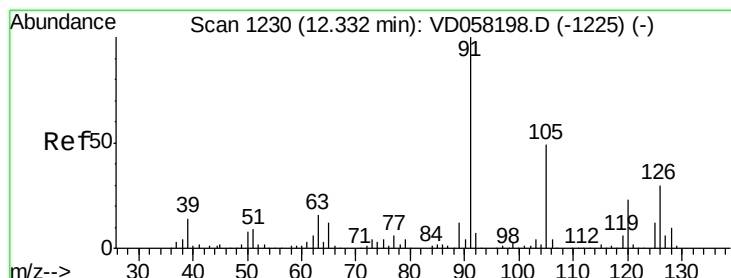
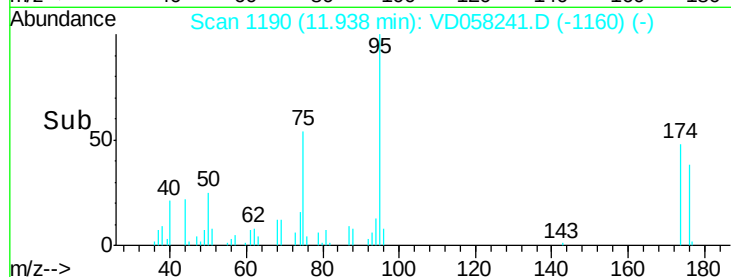
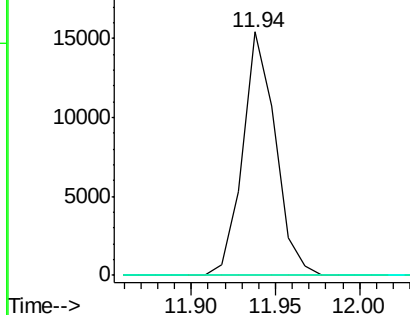
89 0.0 34.6 52.0#



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: 12.34 min Scan# 1231

Delta R.T. 0.01 min

Lab File: VD058241.D

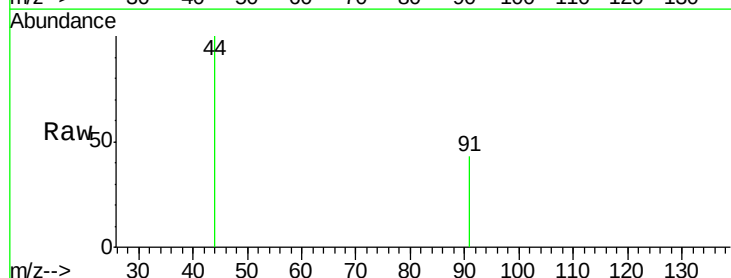
Acq: 21 Jun 2018 7:52

Tgt Ion: 91 Resp: 199

Ion Ratio Lower Upper

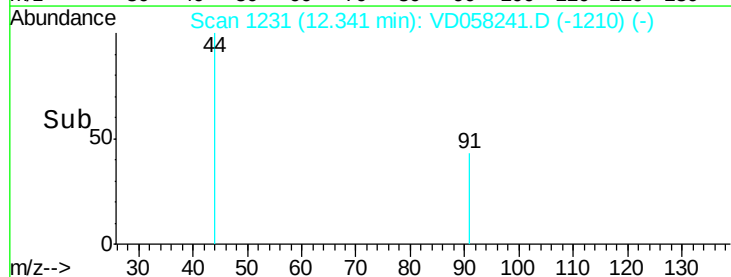
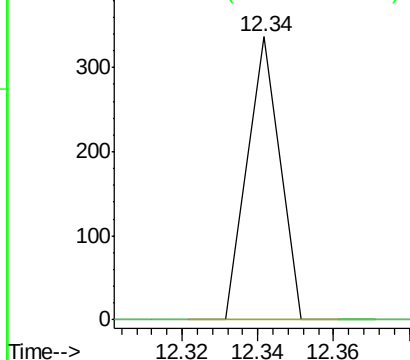
91 100

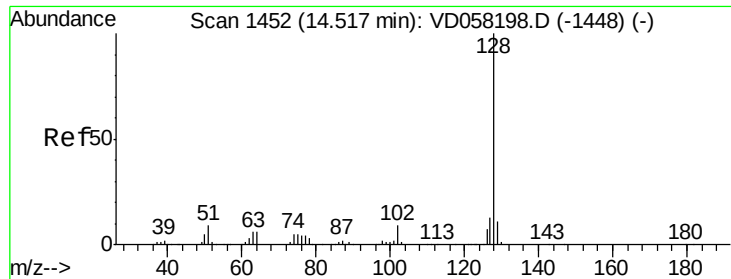
126 0.0 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#95
 Naphthalene
 Concen: 2.327 ug/l
 RT: 14.53 min Scan# 1453
 Delta R.T. 0.01 min
 Lab File: VD058241.D
 Acq: 21 Jun 2018 7:52

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-10

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	8.7	13.1#

