

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
 Data File : VD062709.D
 Acq On : 14 Jun 2019 14:23
 Operator : VA/AP
 Sample : K3351-03RE
 Misc : 6.72g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3425RE

Quant Time: Jun 15 04:37:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	8111	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	10367	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	10832	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	5745	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	4797	40.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.98%	
35) Dibromofluoromethane	6.92	113	3122	28.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.10%	
50) Toluene-d8	10.41	98	6238	27.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.24%	
62) 4-Bromofluorobenzene	13.55	95	4653	43.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.72%	

Target Compounds

						Qvalue
3) Chloromethane	1.77	50	1676	20.883	ug/l #	42
5) Bromomethane	2.18	94	2897	69.350	ug/l #	41
6) Chloroethane	2.29	64	390	9.545	ug/l #	58
10) Methyl Iodide	3.32	142	461	6.933	ug/l #	46
13) Acrolein	2.97	56	219	141.514	ug/l #	12
14) Allyl chloride	3.76	41	220	1.996	ug/l #	1
16) Acetone	3.21	43	1269	59.210	ug/l #	66
18) Methyl Acetate	3.70	43	193	5.480	ug/l #	64
23) Vinyl Acetate	5.22	43	204	1.437	ug/l #	81
25) 2-Butanone	6.05	43	207	9.900	ug/l #	61
29) Tetrahydrofuran	6.05	42	207	21.984	ug/l #	33
37) Ethyl Acetate	6.05	43	207	5.194	ug/l #	74
38) Carbon Tetrachloride	7.06	117	262	1.397	ug/l #	14
40) Benzene	7.41	78	367	1.584	ug/l #	46
41) Methacrylonitrile	6.36	41	208	3.349	ug/l #	34
43) Isopropyl Acetate	9.21	43	217	3.466	ug/l #	52
48) Methyl methacrylate	9.13	41	217	4.798	ug/l #	19
51) 4-Methyl-2-Pentanone	10.32	43	190	4.337	ug/l #	42
55) 1,1,2-Trichloroethane	11.24	97	361	6.758	ug/l #	17
59) 2-Hexanone	11.53	43	245	7.519	ug/l #	32
67) Ethyl Benzene	12.52	91	936	2.203	ug/l #	21
68) m/p-Xylenes	12.66	106	682	4.567	ug/l #	29
74) N-amyl acetate	13.23	43	250	2.284	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	13.67	83	188	2.713	ug/l #	27
77) Bromobenzene	13.67	156	230	1.987	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	1858	78.060	ug/l #	1
84) 1,2,4-Trimethylbenzene	14.23	105	1245	3.514	ug/l	86
85) sec-Butylbenzene	14.23	105	1245	3.008	ug/l #	60
87) 1,3-Dichlorobenzene	14.55	146	552	2.633	ug/l #	25
88) 1,4-Dichlorobenzene	14.55	146	552	2.786	ug/l #	25
89) n-Butylbenzene	14.80	91	877	2.419	ug/l #	30
93) 1,2,4-Trichlorobenzene	15.95	180	306	5.490	ug/l #	11
95) Naphthalene	16.11	128	930	7.603	ug/l #	71

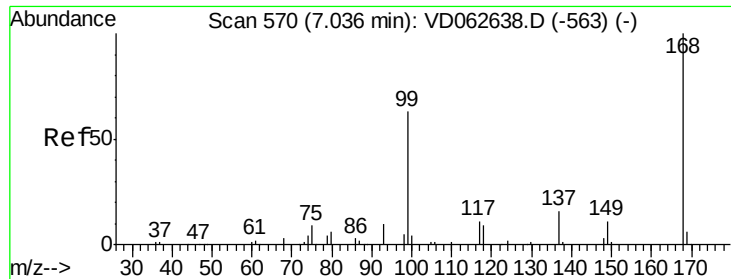
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
Data File : VD062709.D
Acq On : 14 Jun 2019 14:23
Operator : VA/AP
Sample : K3351-03RE
Misc : 6.72g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RT-3425RE

Quant Time: Jun 15 04:37:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

Instrument :

MSVOA_D

ClientSampleId :

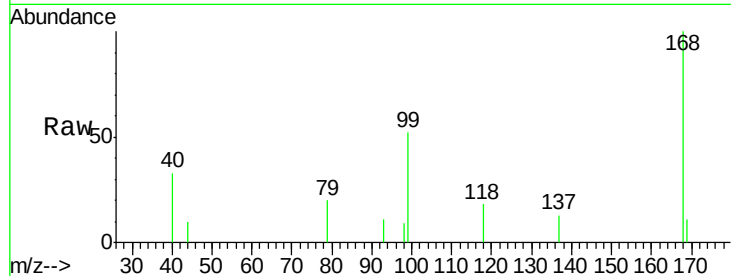
RT-3425RE

Tot Ion:168 Resp: 8111

Ion Ratio Lower Upper

168 100

99 52.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

3000

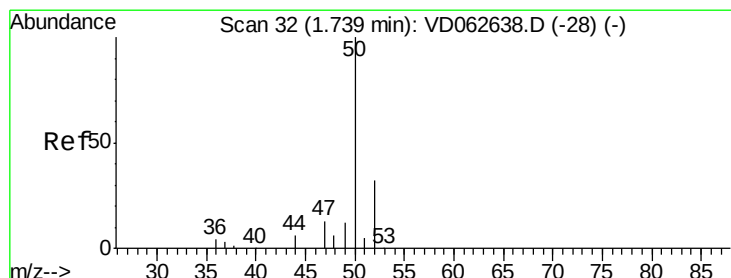
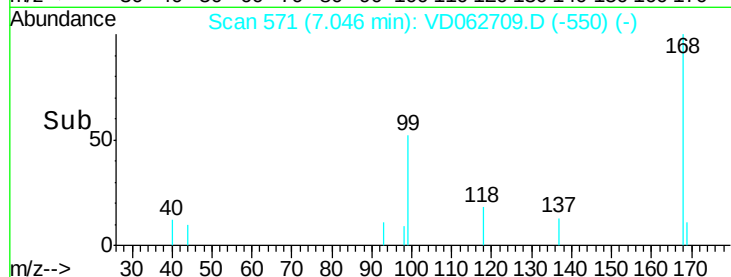
2000

1000

0

6.95 7.00 7.05 7.10

Time-->



#3

Chloromethane

Concen: 20.883 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.03 min

Lab File: VD062709.D

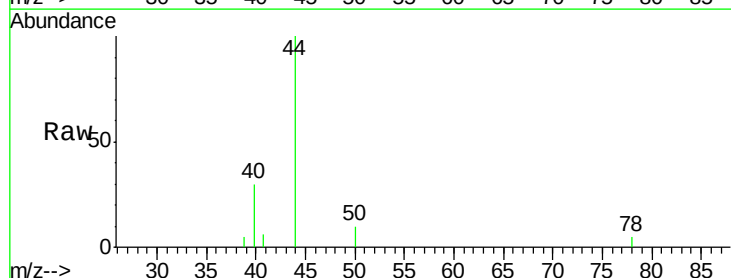
Acq: 14 Jun 2019 14:23

Tgt Ion: 50 Resp: 1676

Ion Ratio Lower Upper

50 100

52 0.0 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

800

600

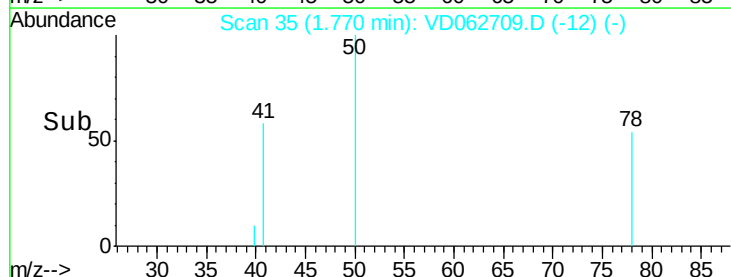
400

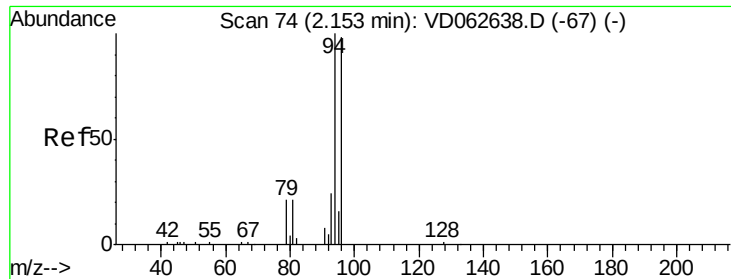
200

0

1.70 1.75 1.80 1.85

Time-->





#5

Bromomethane

Concen: 69.350 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

Instrument :

MSVOA_D

ClientSampleId :

RT-3425RE

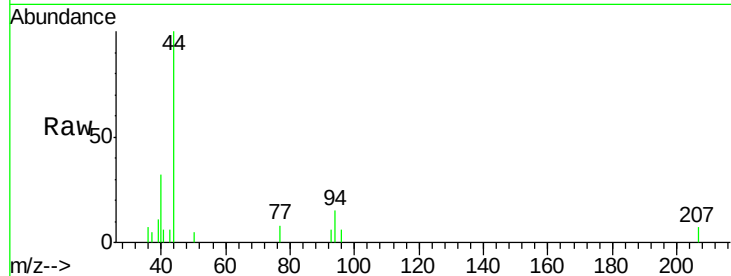
Tot Ion: 94 Resp: 2897

Ion Ratio Lower Upper

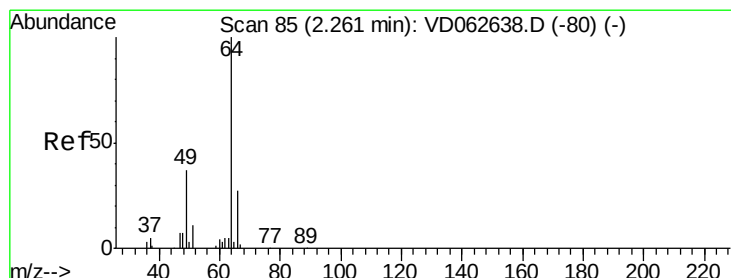
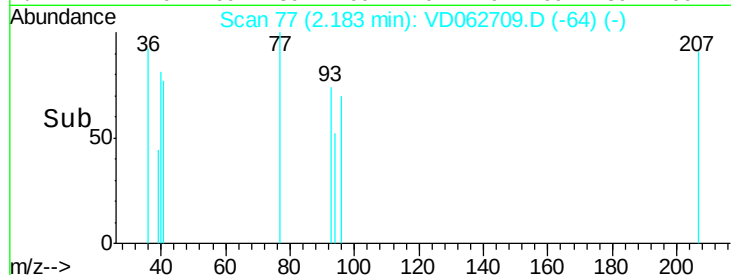
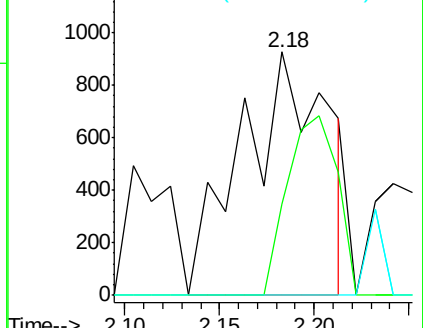
94 100

96 37.5 78.1 117.1#

93 0.0 19.6 29.4#



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



#6

Chloroethane

Concen: 9.545 ug/l

RT: 2.29 min Scan# 88

Delta R.T. 0.03 min

Lab File: VD062709.D

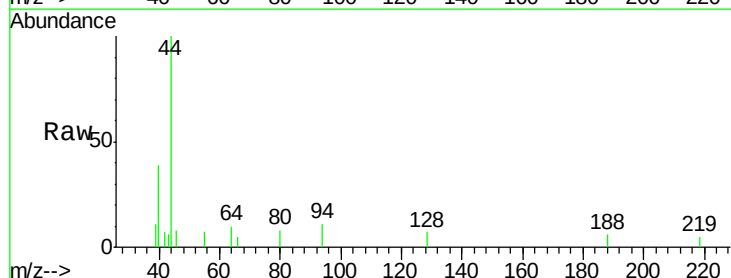
Acq: 14 Jun 2019 14:23

Tgt Ion: 64 Resp: 390

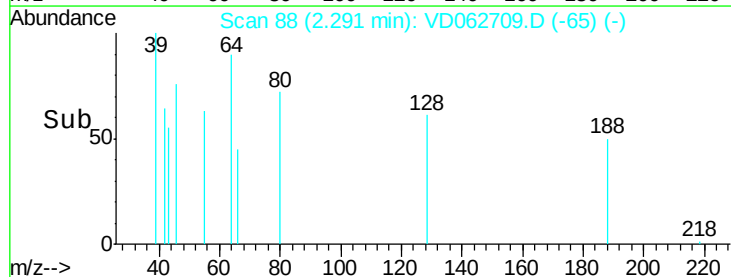
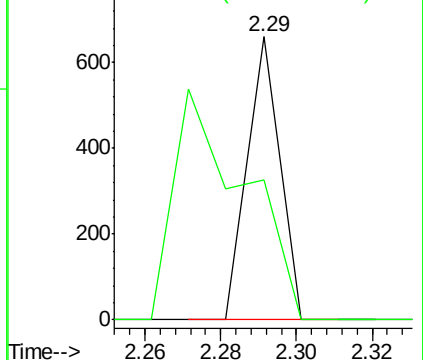
Ion Ratio Lower Upper

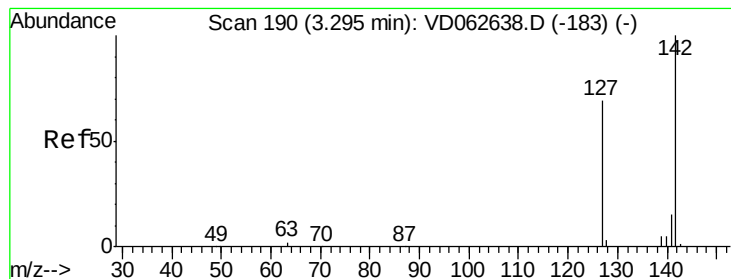
64 100

66 49.2 21.9 32.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC

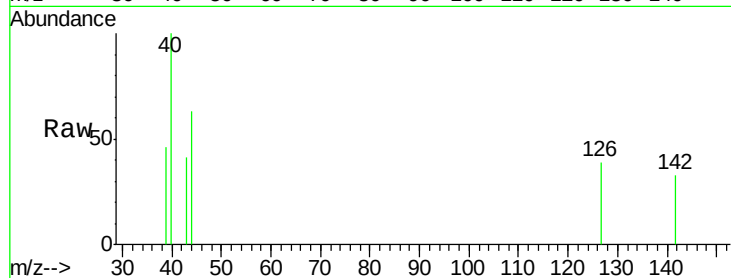




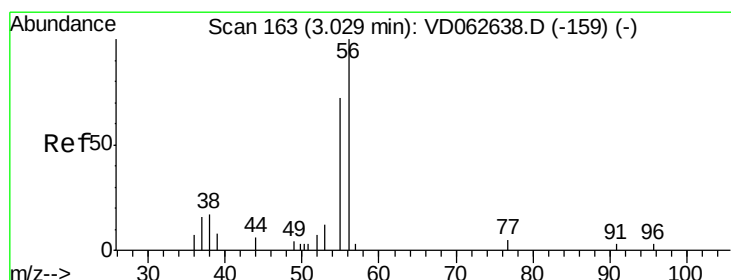
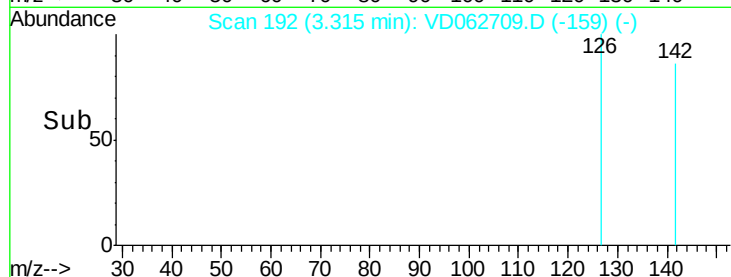
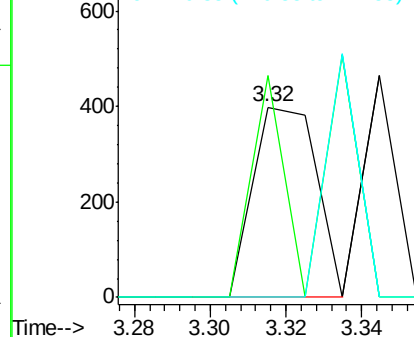
#10
Methvl Iodide
Concen: 6.933 ug/l
RT: 3.32 min Scan# 192
Delta R.T. 0.02 min
Lab File: VD062709.D
Acq: 14 Jun 2019 14:23

Instrument :
MSVOA_D
ClientSampleId :
RT-3425RE

Tot Ion:142 Resp: 461
Ion Ratio Lower Upper
142 100
127 116.3 55.2 82.8#
141 0.0 12.1 18.1#

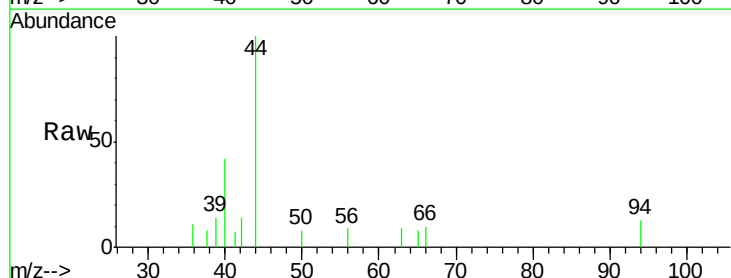


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

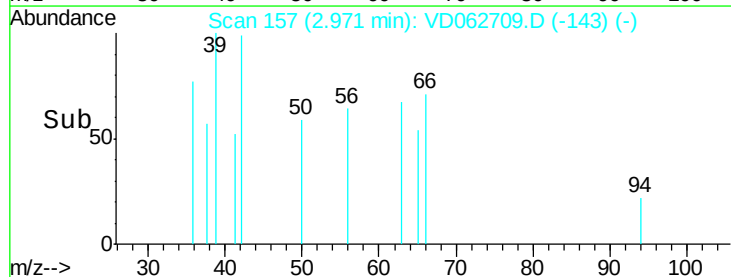
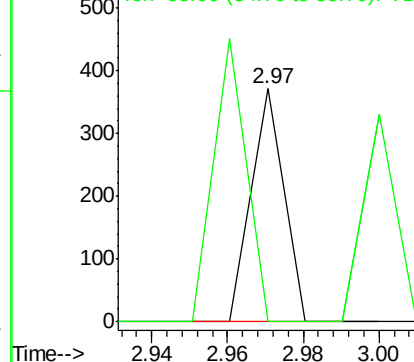


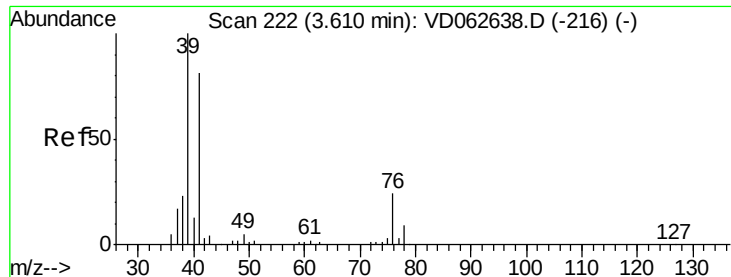
#13
Acrolein
Concen: 141.514 ug/l
RT: 2.97 min Scan# 157
Delta R.T. -0.06 min
Lab File: VD062709.D
Acq: 14 Jun 2019 14:23

Tgt Ion: 56 Resp: 219
Ion Ratio Lower Upper
56 100
55 0.0 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): V
Ion 55.00 (54.70 to 55.70): V

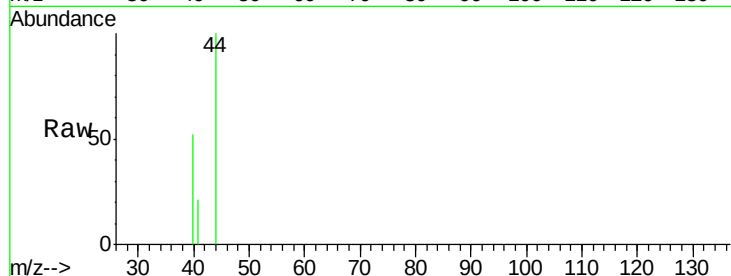




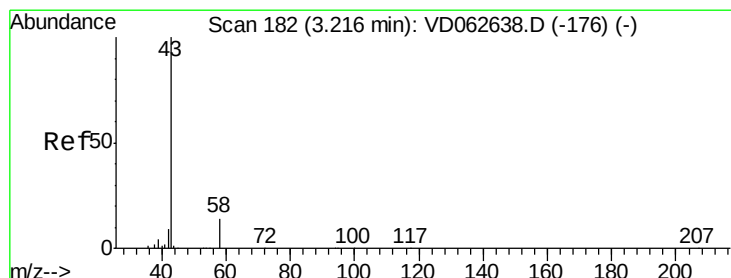
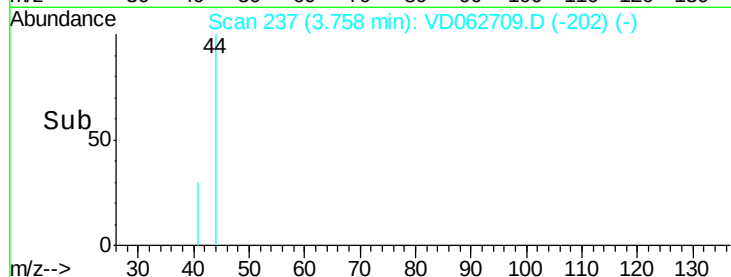
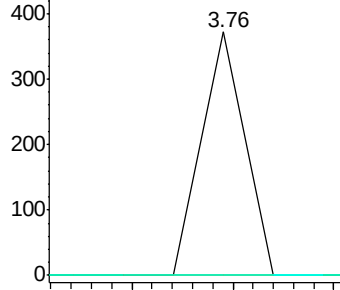
#14
Allvl chloride
Concen: 1.996 ug/l
RT: 3.76 min Scan# 237
Delta R.T. 0.15 min
Lab File: VD062709.D
Acq: 14 Jun 2019 14:23

Instrument :
MSVOA_D
ClientSampleId :
RT-3425RE

Tot Ion: 41 Resp: 220
Ion Ratio Lower Upper
41 100
39 0.0 99.1 148.7#
76 0.0 25.0 37.6#

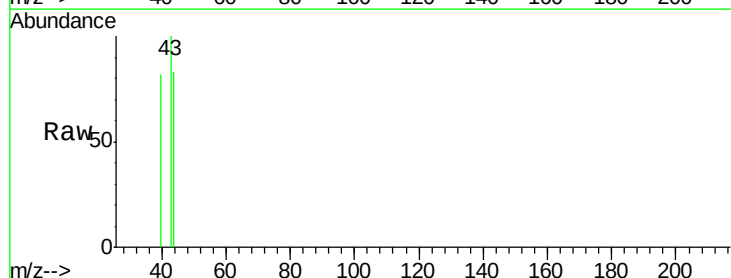


Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC

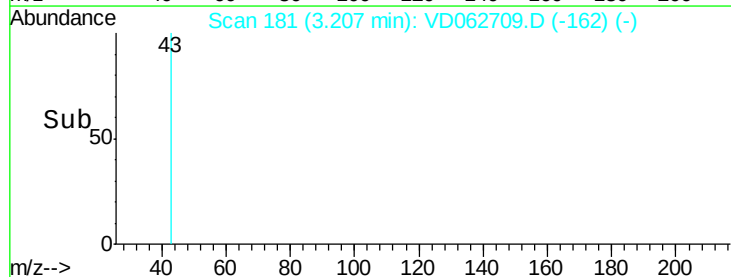
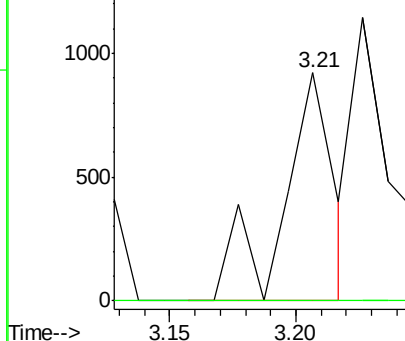


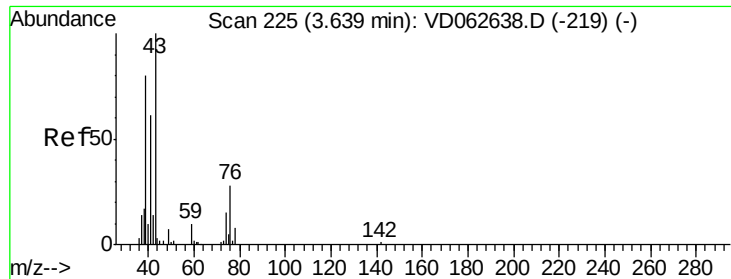
#16
Acetone
Concen: 59.210 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.01 min
Lab File: VD062709.D
Acq: 14 Jun 2019 14:23

Tgt Ion: 43 Resp: 1269
Ion Ratio Lower Upper
43 100
58 0.0 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

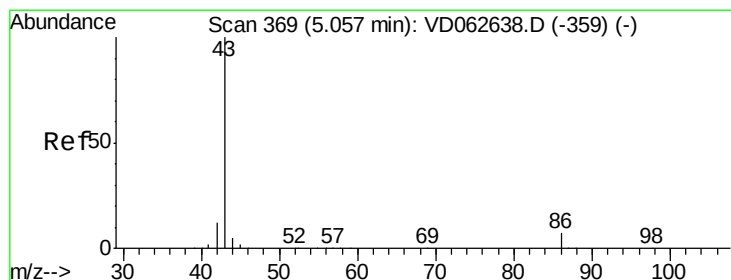
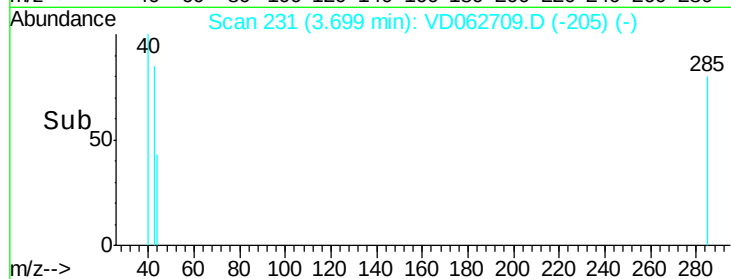
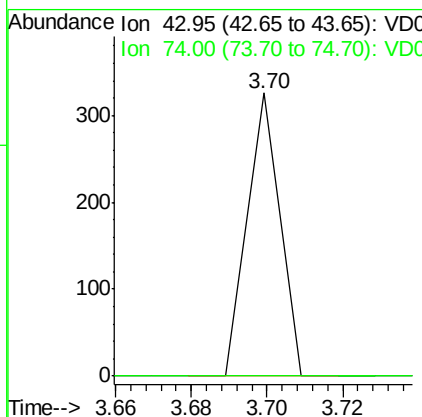
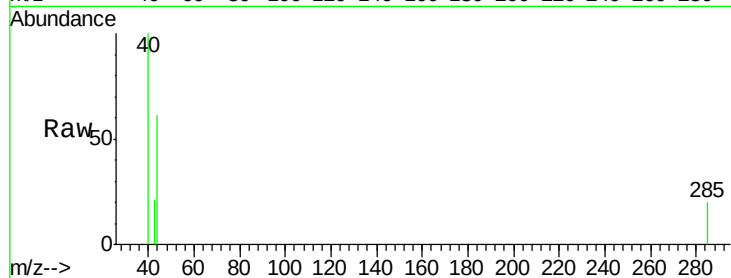




#18
Methvl Acetate
Concen: 5.480 ug/l
RT: 3.70 min Scan# 231
Delta R.T. 0.06 min
Lab File: VD062709.D
Acq: 14 Jun 2019 14:23

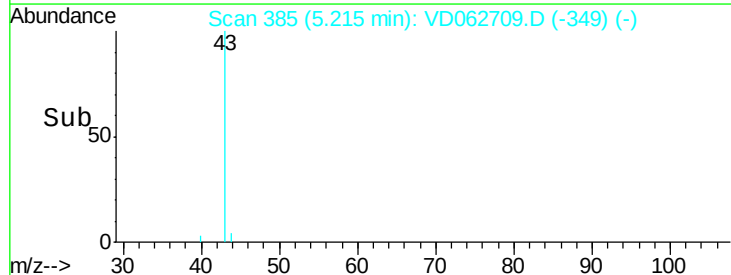
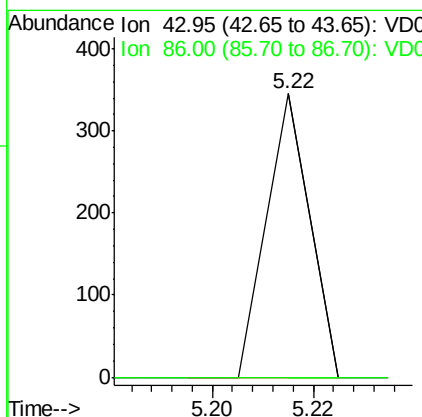
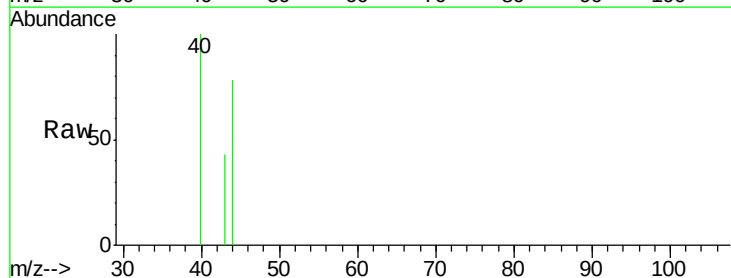
Instrument :
MSVOA_D
ClientSampleId :
RT-3425RE

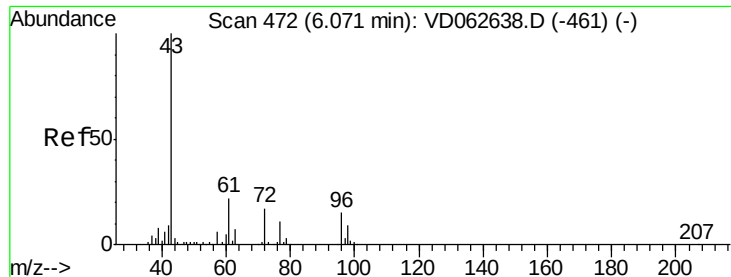
Tot Ion: 43 Resp: 193
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#



#23
Vinyl Acetate
Concen: 1.437 ug/l
RT: 5.22 min Scan# 385
Delta R.T. 0.16 min
Lab File: VD062709.D
Acq: 14 Jun 2019 14:23

Tgt Ion: 43 Resp: 204
Ion Ratio Lower Upper
43 100
86 0.0 5.3 7.9#





#25

2-Butanone

Concen: 9.900 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.02 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

Instrument :

MSVOA_D

ClientSampleId :

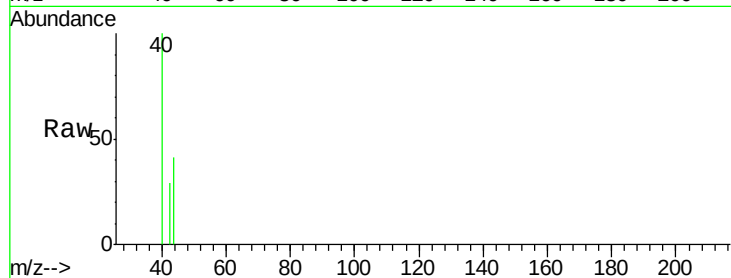
RT-3425RE

Tot Ion: 43 Resp: 207

Ion Ratio Lower Upper

43 100

72 0.0 13.5 20.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.05

300

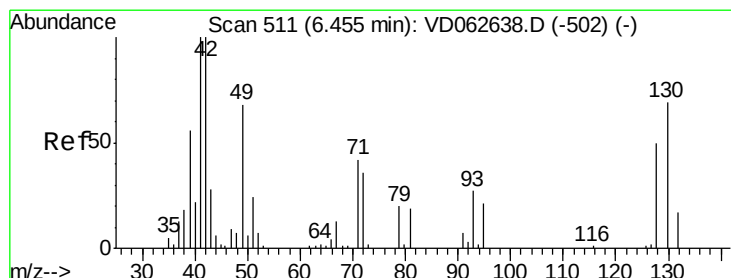
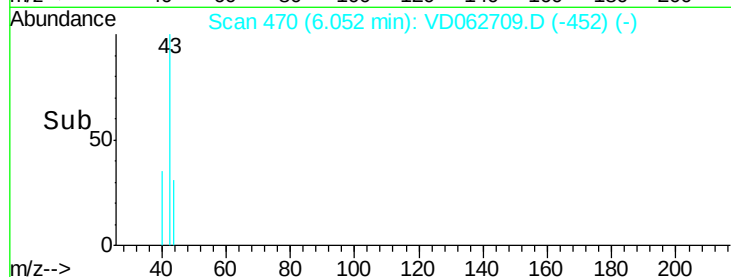
200

100

0

6.02 6.04 6.06 6.08

Time-->



#29

Tetrahydrofuran

Concen: 21.984 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.40 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

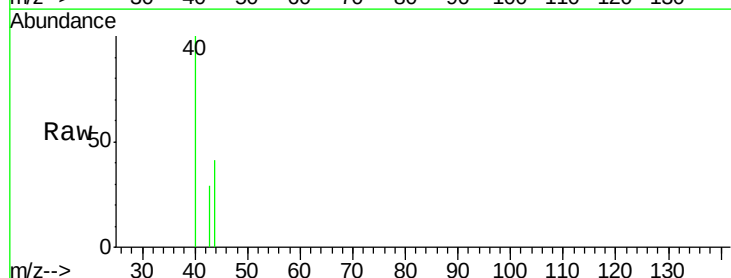
Tgt Ion: 42 Resp: 207

Ion Ratio Lower Upper

42 100

72 0.0 33.8 50.6#

71 0.0 34.2 51.4#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

6.05

300

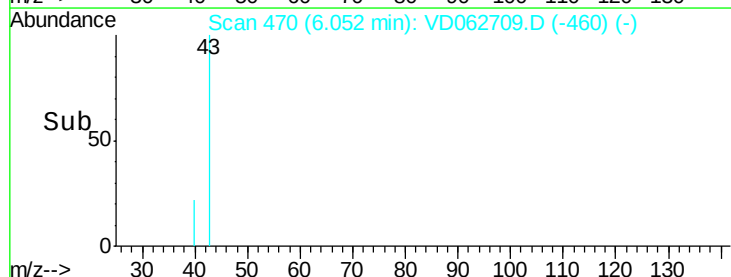
200

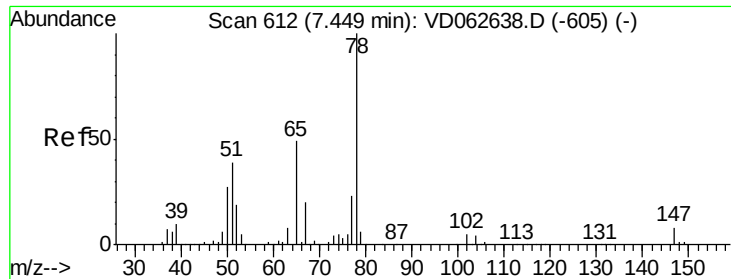
100

0

6.02 6.04 6.06 6.08

Time-->

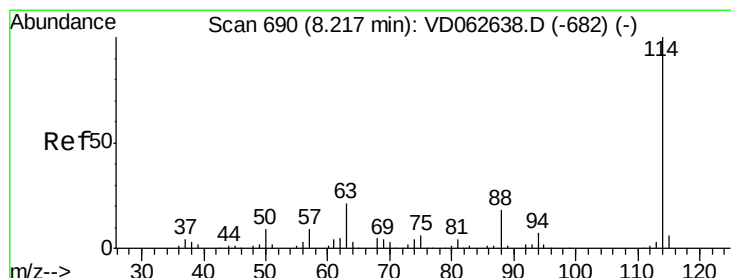
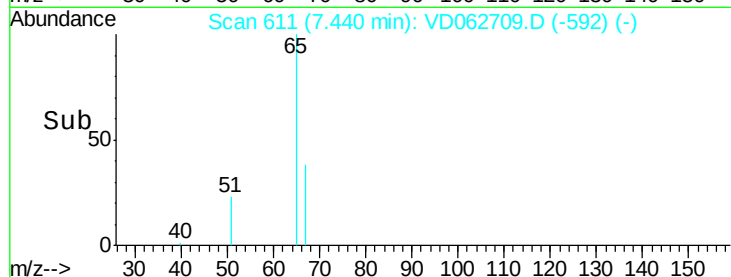
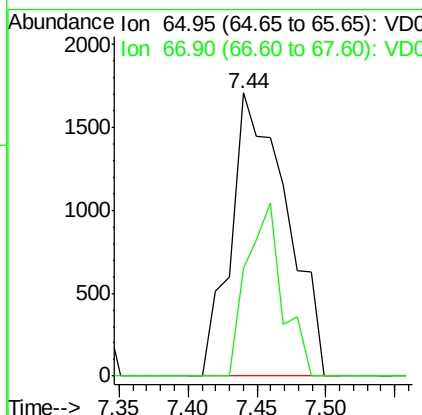
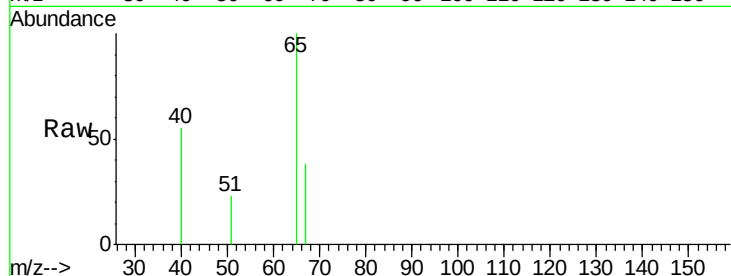




#33
 1,2-Dichloroethane-d4
 Concen: 40.986 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD062709.D
 Acq: 14 Jun 2019 14:23

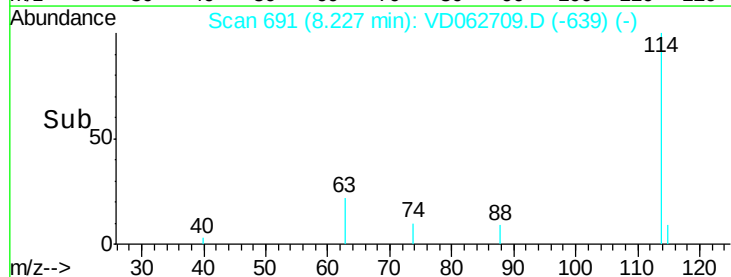
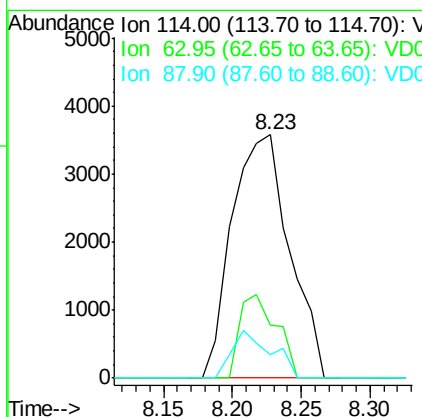
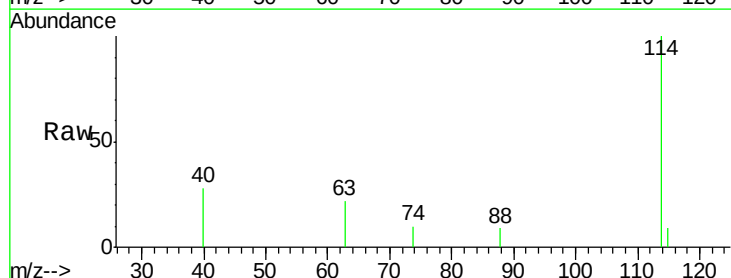
Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3425RE

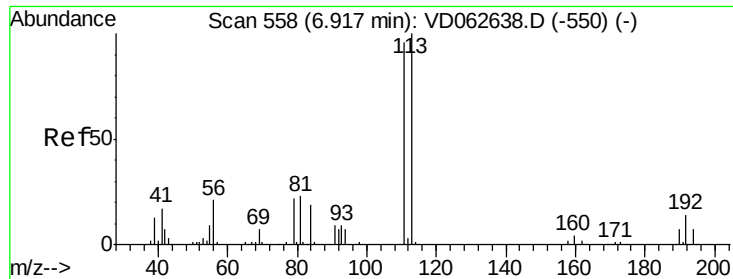
Tot Ion: 65 Resp: 4797
 Ion Ratio Lower Upper
 65 100
 67 38.1 0.0 81.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062709.D
 Acq: 14 Jun 2019 14:23

Tgt Ion: 114 Resp: 10367
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.4
 88 9.4 0.0 36.8





#35

Dibromofluoromethane

Concen: 28.555 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

Instrument :

MSVOA_D

ClientSampleId :

RT-3425RE

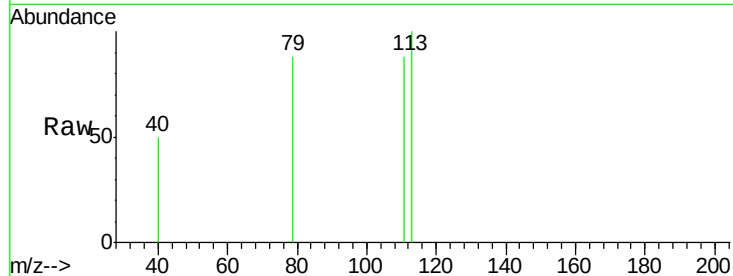
Tot Ion:113 Resp: 3122

Ion Ratio Lower Upper

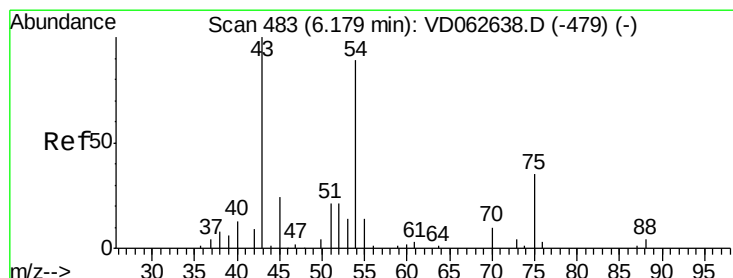
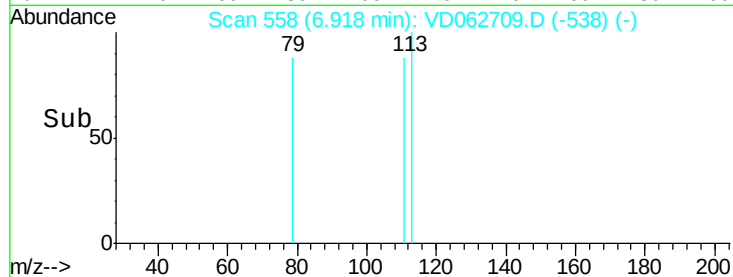
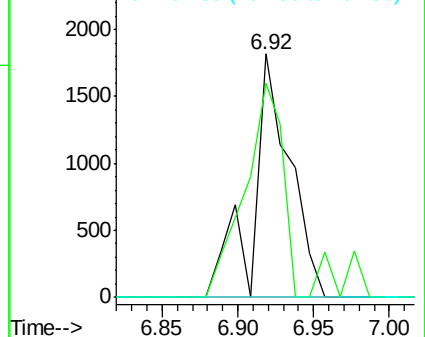
113 100

111 88.2 76.4 114.6

192 0.0 11.4 17.0#



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



#37

Ethyl Acetate

Concen: 5.194 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.13 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

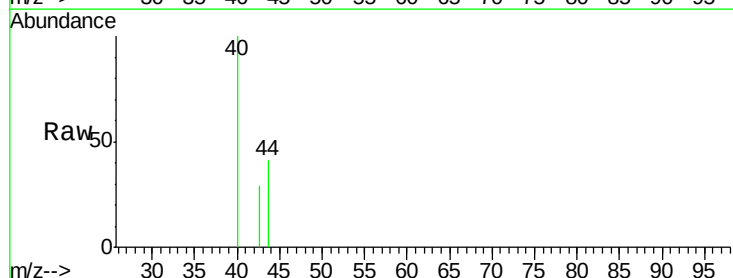
Tgt Ion: 43 Resp: 207

Ion Ratio Lower Upper

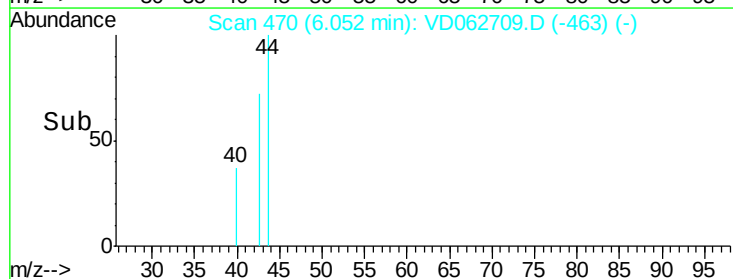
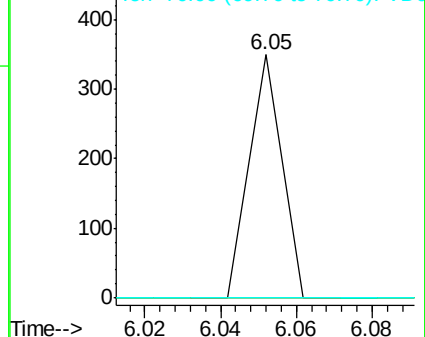
43 100

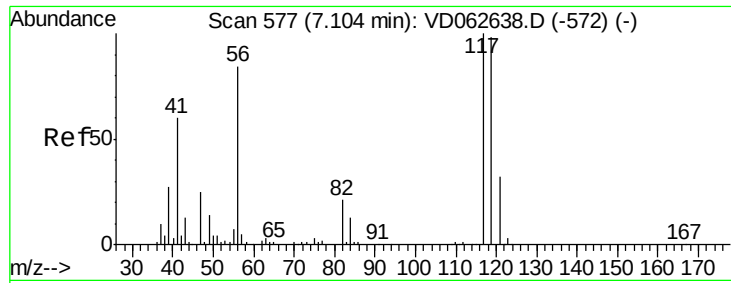
61 0.0 8.7 13.1#

70 0.0 6.5 9.7#



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

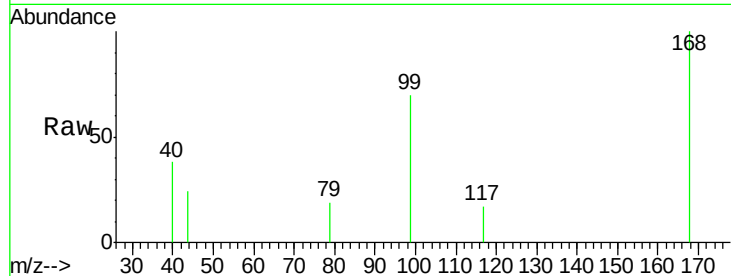




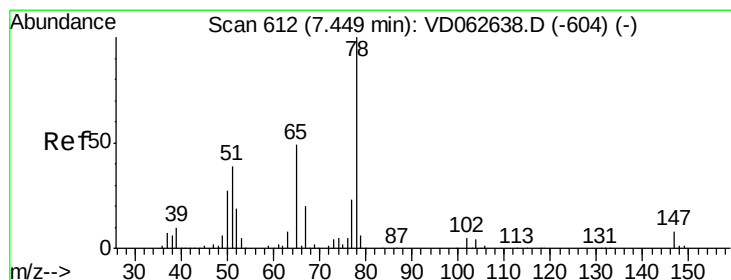
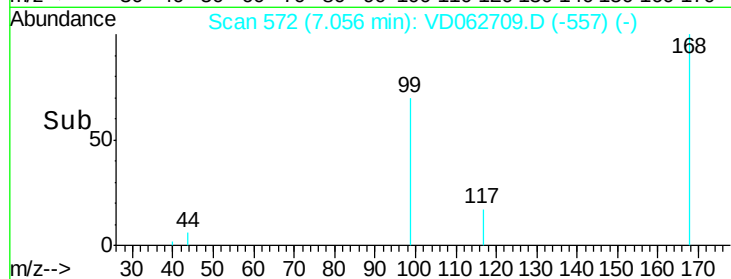
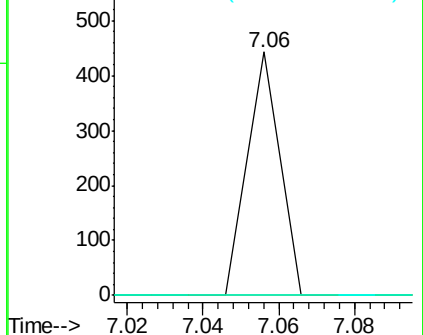
#38
Carbon Tetrachloride
Concen: 1.397 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.05 min
Lab File: VD062709.D
Acq: 14 Jun 2019 14:23

Instrument :
MSVOA_D
ClientSampleId :
RT-3425RE

Tot Ion:117 Resp: 262
Ion Ratio Lower Upper
117 100
119 0.0 73.5 110.3#
121 0.0 24.2 36.4#

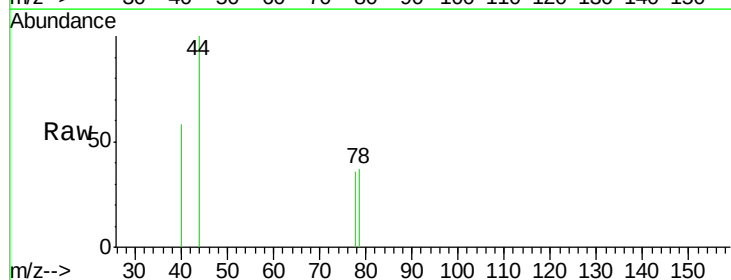


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

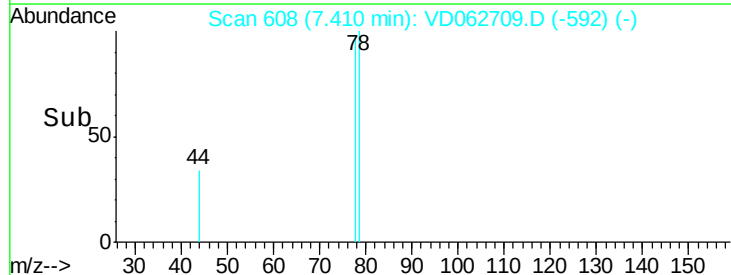
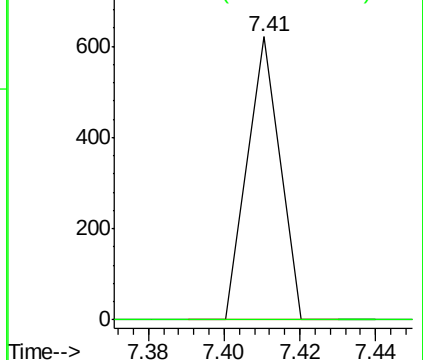


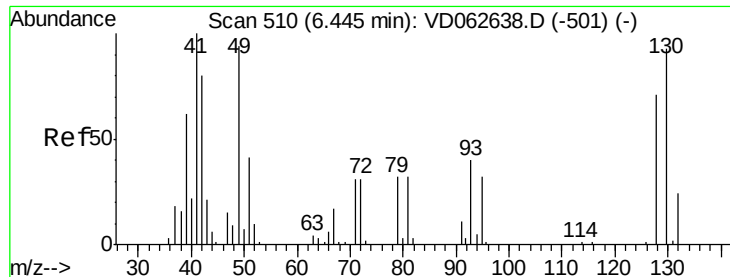
#40
Benzene
Concen: 1.584 ug/l
RT: 7.41 min Scan# 608
Delta R.T. -0.04 min
Lab File: VD062709.D
Acq: 14 Jun 2019 14:23

Tgt Ion: 78 Resp: 367
Ion Ratio Lower Upper
78 100
77 49.4 18.6 28.0#



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 3.349 ug/l

RT: 6.36 min Scan# 501

Delta R.T. -0.09 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

Instrument :

MSVOA_D

ClientSampleId :

RT-3425RE

Tot Ion: 41 Resp: 208

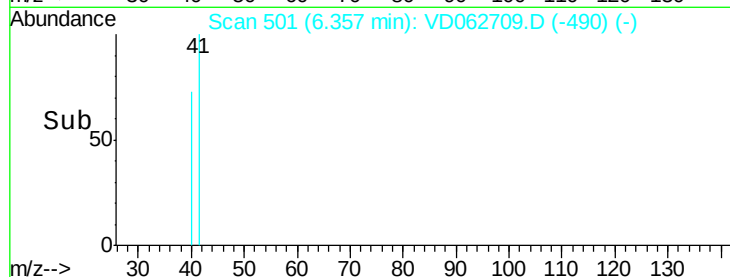
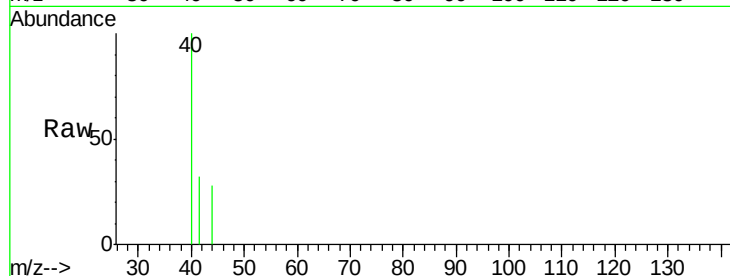
Ion Ratio Lower Upper

41 100

39 0.0 49.2 73.8#

67 0.0 13.9 20.9#

52 0.0 7.6 11.4#

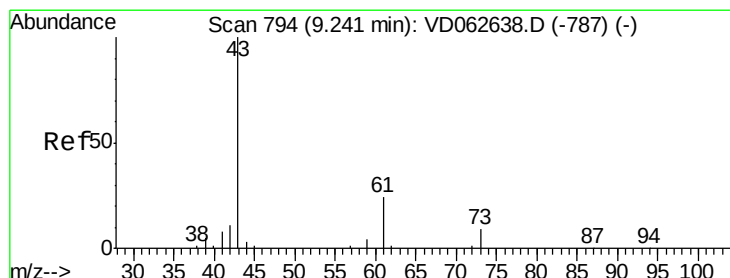
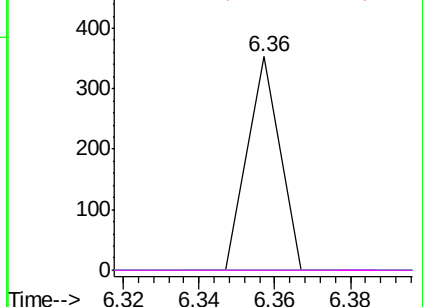


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#43

Isopropyl Acetate

Concen: 3.466 ug/l

RT: 9.21 min Scan# 791

Delta R.T. -0.03 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

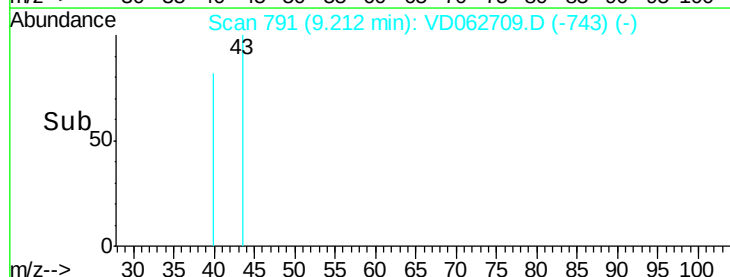
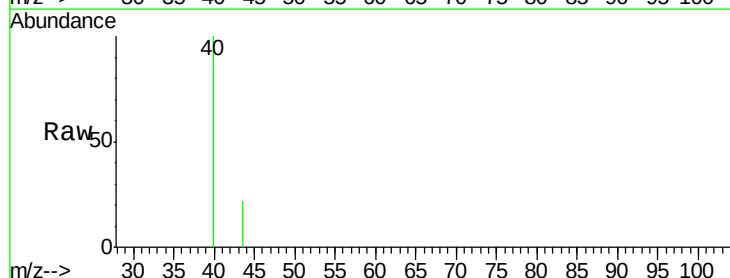
Tgt Ion: 43 Resp: 217

Ion Ratio Lower Upper

43 100

61 0.0 19.0 28.6#

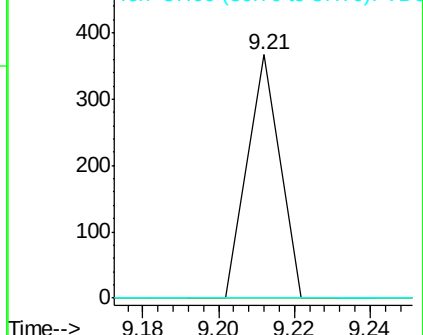
87 0.0 0.3 0.5#

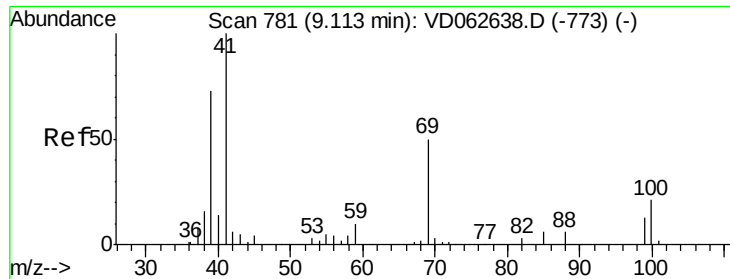


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

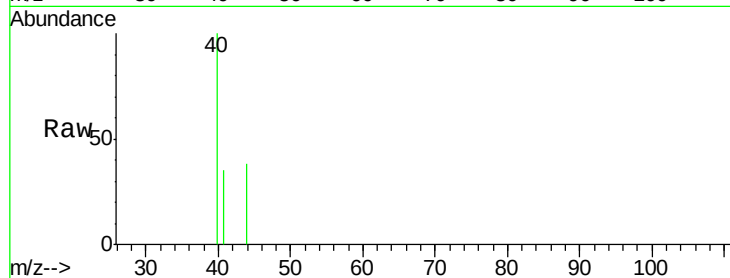




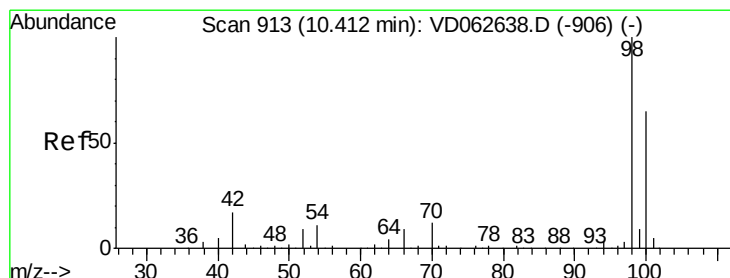
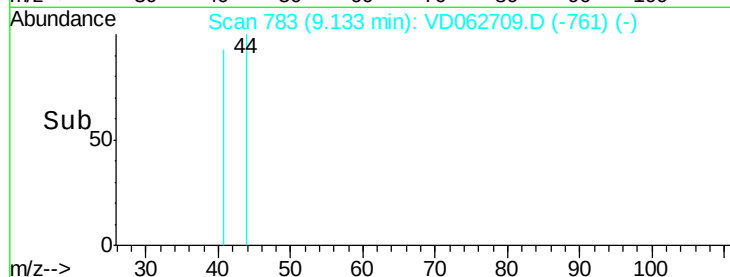
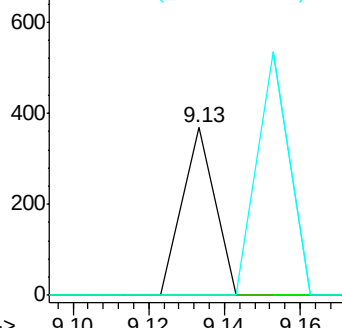
#48
Methyl methacrylate
Concen: 4.798 ug/l
RT: 9.13 min Scan# 783
Delta R.T. 0.02 min
Lab File: VD062709.D
Acq: 14 Jun 2019 14:23

Instrument :
MSVOA_D
ClientSampleId :
RT-3425RE

Tot Ion: 41 Resp: 217
Ion Ratio Lower Upper
41 100
69 0.0 39.8 59.6#
39 0.0 59.1 88.7#

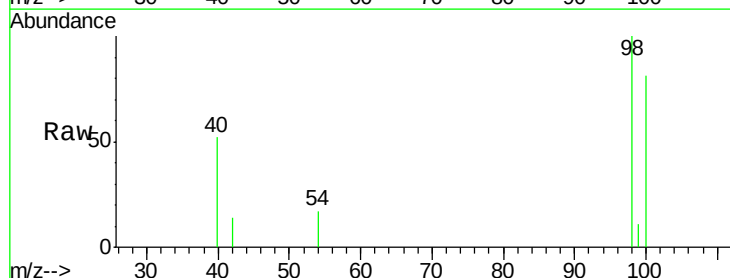


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

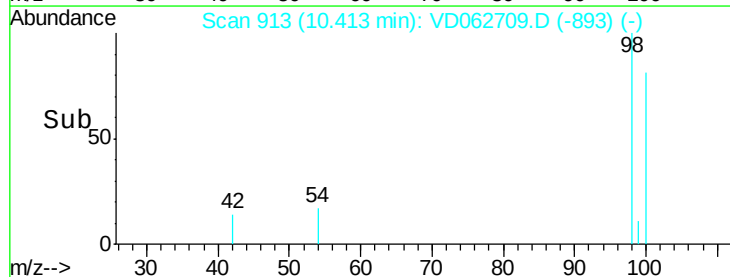
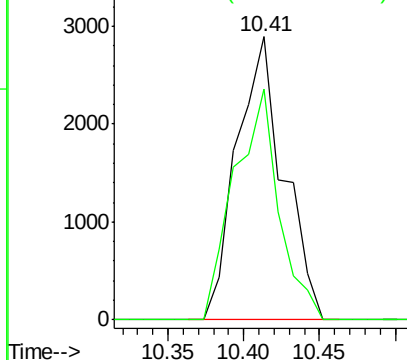


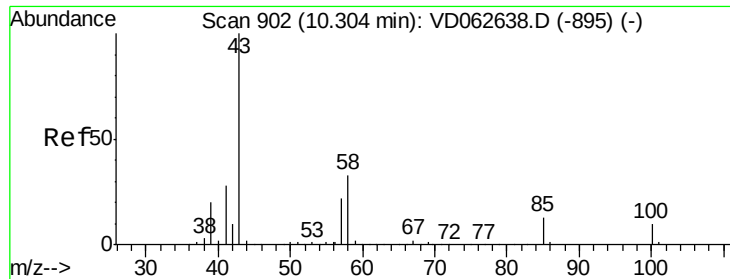
#50
Toluene-d8
Concen: 27.122 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062709.D
Acq: 14 Jun 2019 14:23

Tgt Ion: 98 Resp: 6238
Ion Ratio Lower Upper
98 100
100 81.4 52.1 78.1#



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: 4.337 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

Instrument :

MSVOA_D

ClientSampleId :

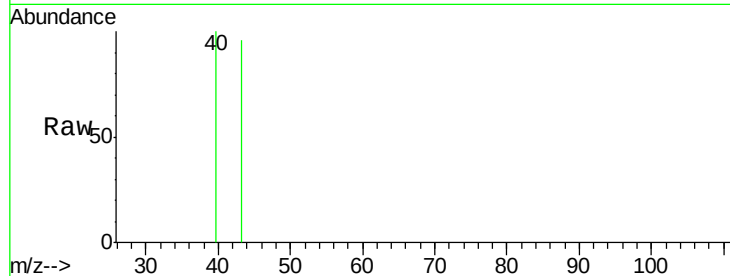
RT-3425RE

Tot Ion: 43 Resp: 190

Ion Ratio Lower Upper

43 100

58 0.0 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

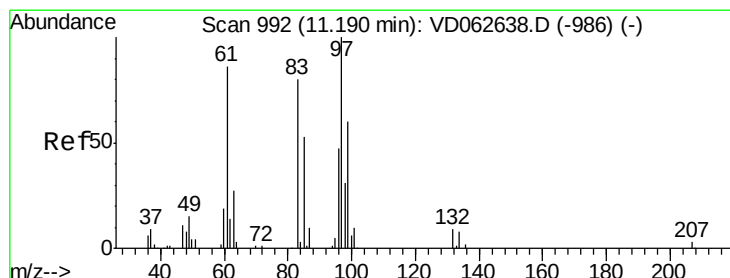
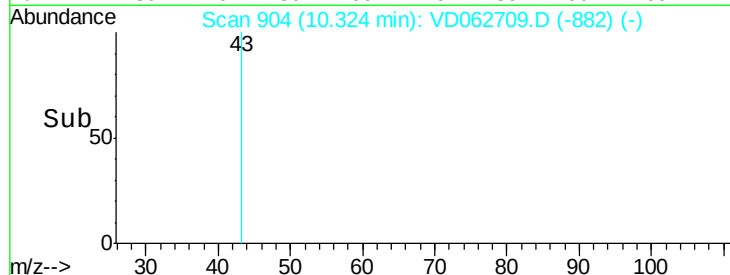
300

200

100

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 6.758 ug/l

RT: 11.24 min Scan# 997

Delta R.T. 0.05 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

Tgt Ion: 97 Resp: 361

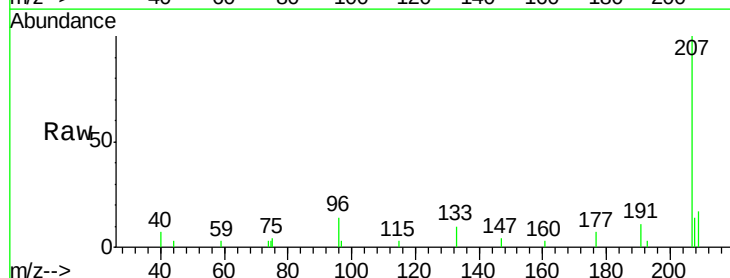
Ion Ratio Lower Upper

97 100

83 0.0 63.8 95.8#

85 0.0 42.3 63.5#

99 0.0 48.0 72.0#



Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

11.24

400

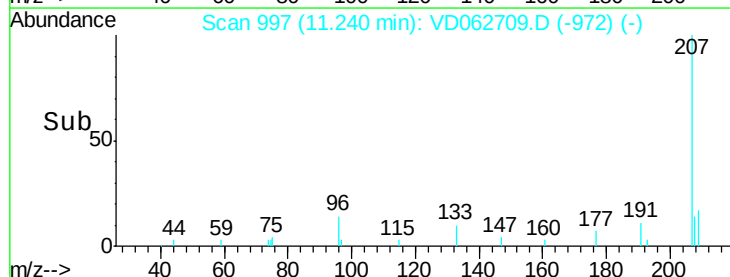
300

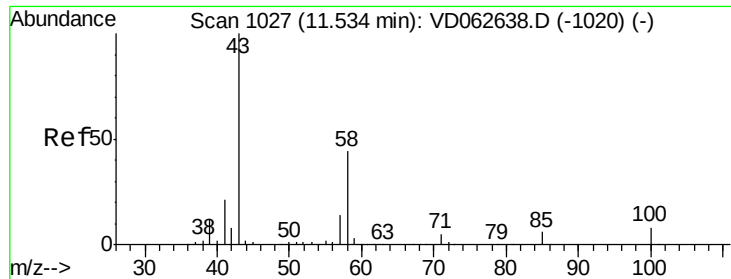
200

100

0

Time-->





#59

2-Hexanone

Concen: 7.519 ug/l

RT: 11.53 min Scan# 1026

Delta R.T. -0.01 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

Instrument :

MSVOA_D

ClientSampleId :

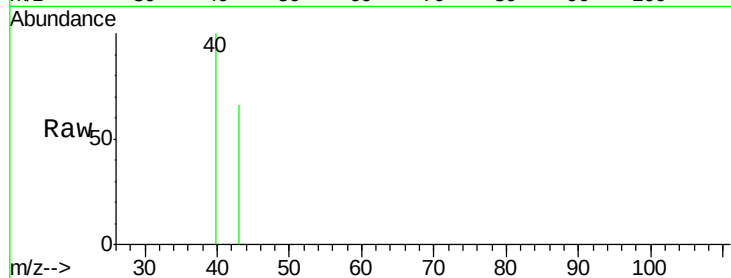
RT-3425RE

Tot Ion: 43 Resp: 245

Ion Ratio Lower Upper

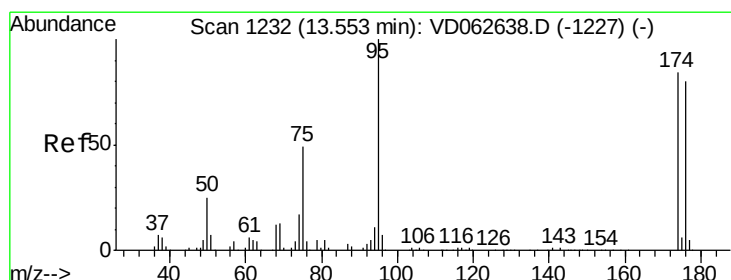
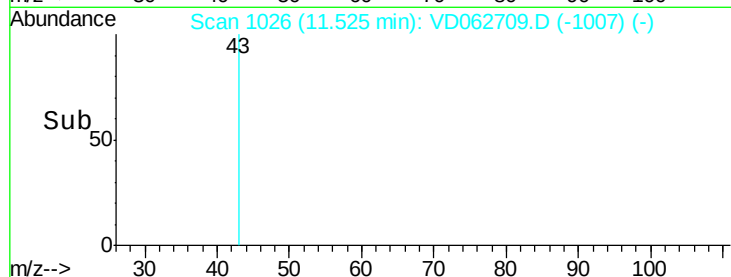
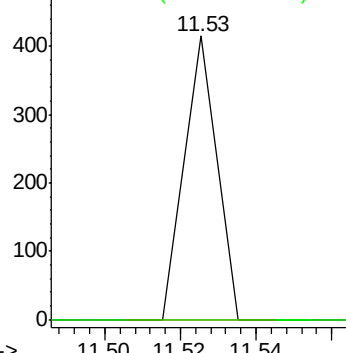
43 100

58 0.0 21.8 65.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 43.363 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

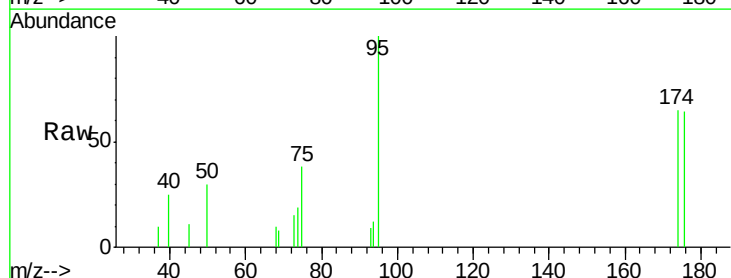
Tgt Ion: 95 Resp: 4653

Ion Ratio Lower Upper

95 100

174 65.5 0.0 167.0

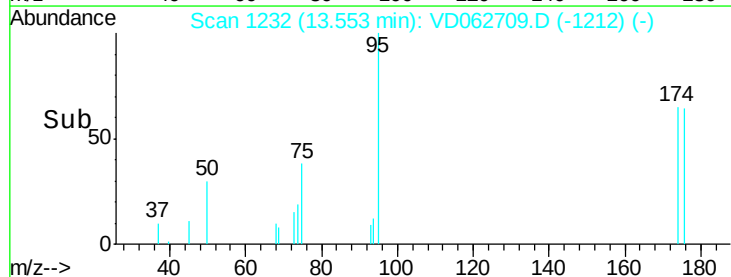
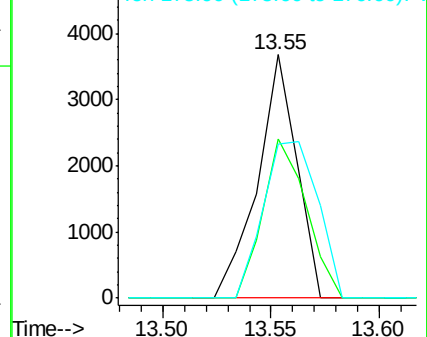
176 63.5 0.0 159.2

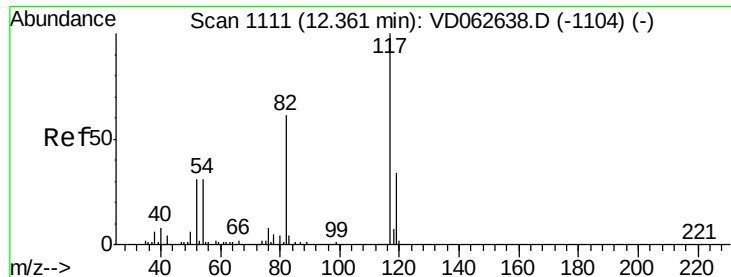


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

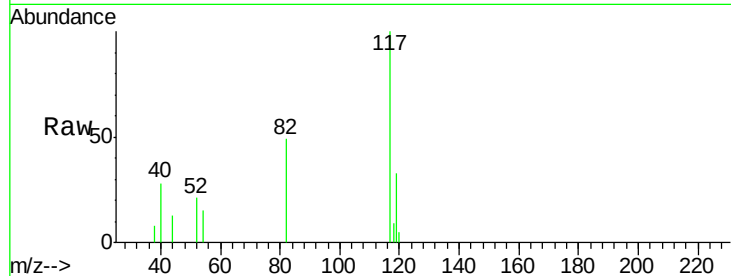




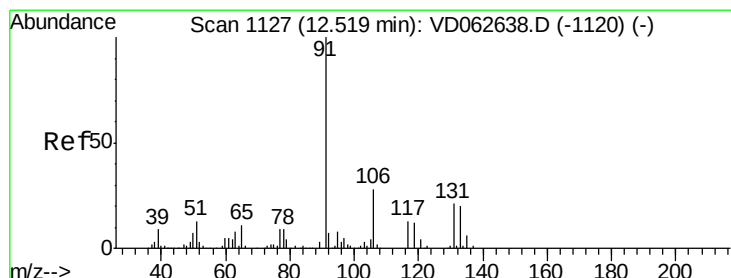
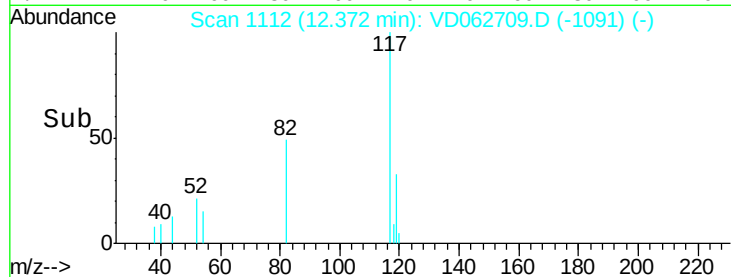
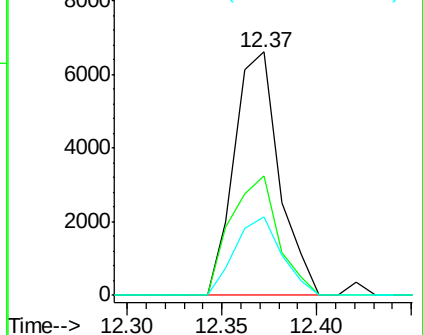
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062709.D
Acq: 14 Jun 2019 14:23

Instrument :
MSVOA_D
ClientSampleId :
RT-3425RE

Tot Ion:117 Resp: 10832
Ion Ratio Lower Upper
117 100
82 48.9 48.7 73.1
119 32.5 27.0 40.6

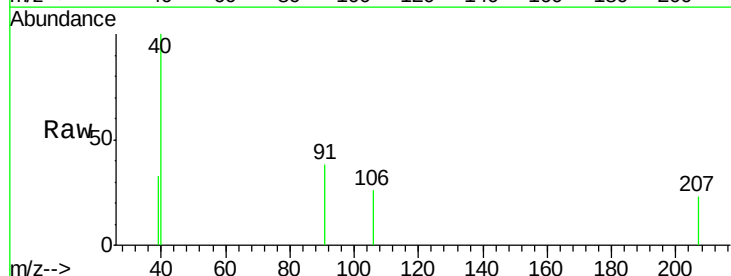


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

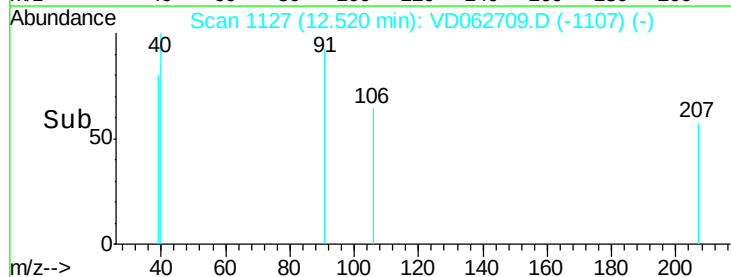
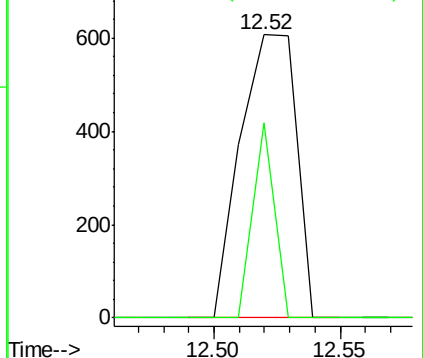


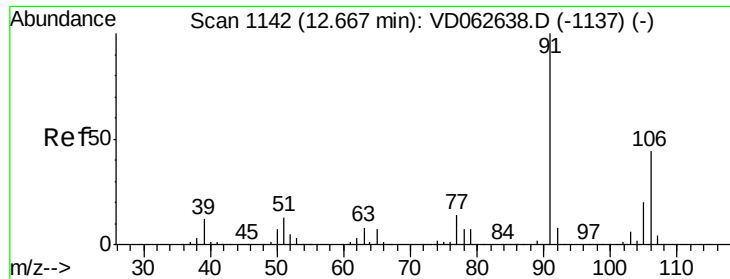
#67
Ethyl Benzene
Concen: 2.203 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062709.D
Acq: 14 Jun 2019 14:23

Tgt Ion: 91 Resp: 936
Ion Ratio Lower Upper
91 100
106 69.0 22.1 33.1#



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.05 (105.75 to 106.75): V





#68

m/p-Xylenes

Concen: 4.567 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

Instrument :

MSVOA_D

ClientSampleId :

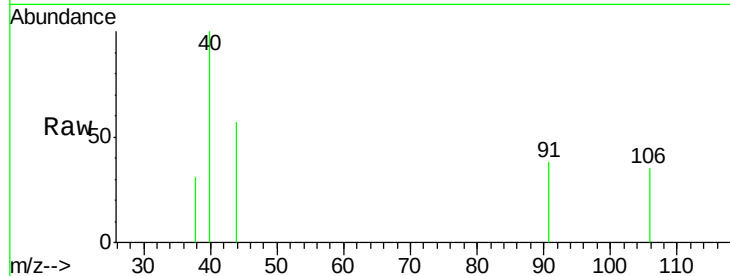
RT-3425RE

Tot Ion:106 Resp: 682

Ion Ratio Lower Upper

106 100

91 109.6 180.2 270.4#



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

12.66

800

600

400

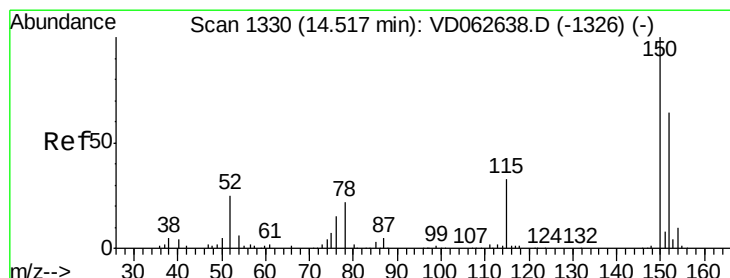
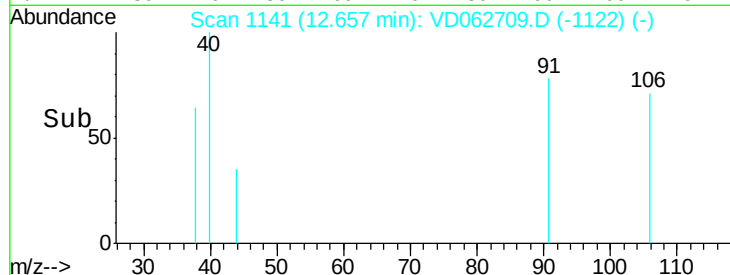
200

0

12.65

12.70

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

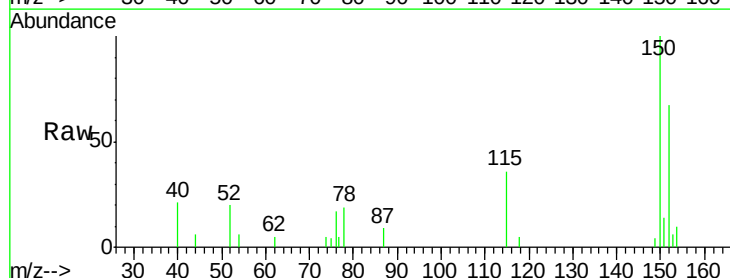
Tgt Ion:152 Resp: 5745

Ion Ratio Lower Upper

152 100

115 54.1 30.1 90.5

150 149.8 0.0 314.0



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

10000

8000

6000

4000

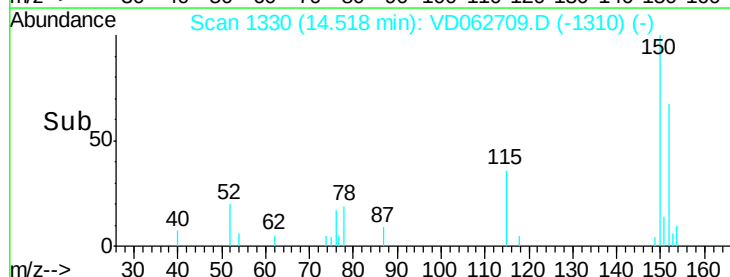
2000

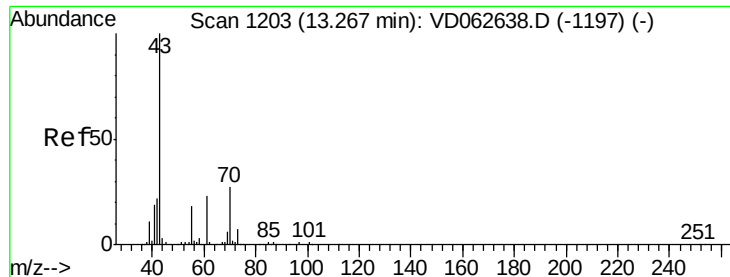
0

14.50

14.55

Time-->





#74

N-amvl acetate

Concen: 2.284 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.04 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

Instrument :

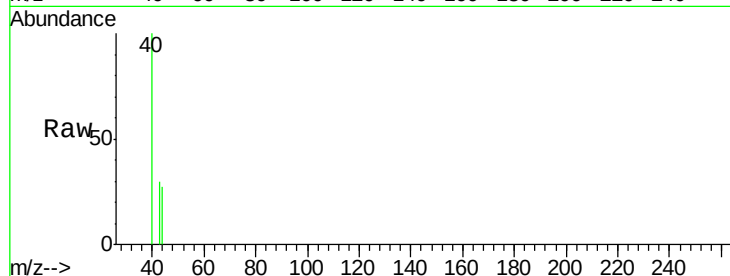
MSVOA_D

ClientSampleId :

RT-3425RE

Tot Ion: 43 Resp: 250

Ion	Ratio	Lower	Upper
43	100		
70	0.0	21.8	32.8#
55	0.0	14.6	21.8#
61	0.0	18.4	27.6#

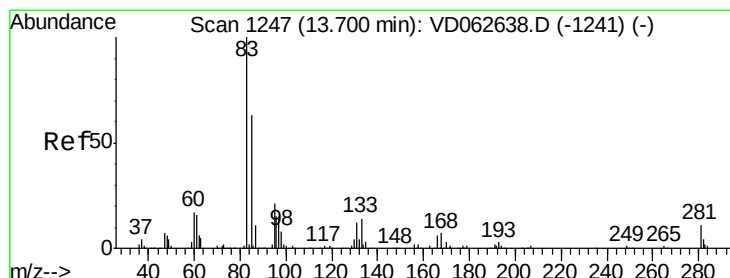
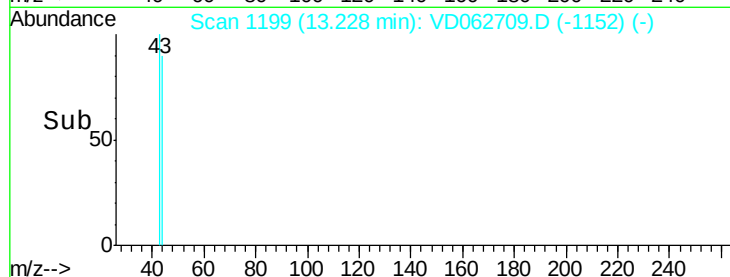
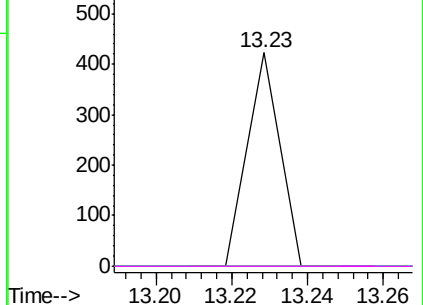


Abundance Ion 42.95 (42.65 to 43.65): VDC

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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.713 ug/l

RT: 13.67 min Scan# 1244

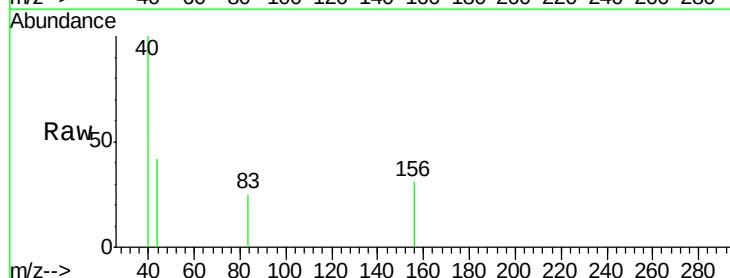
Delta R.T. -0.03 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

Tgt Ion: 83 Resp: 188

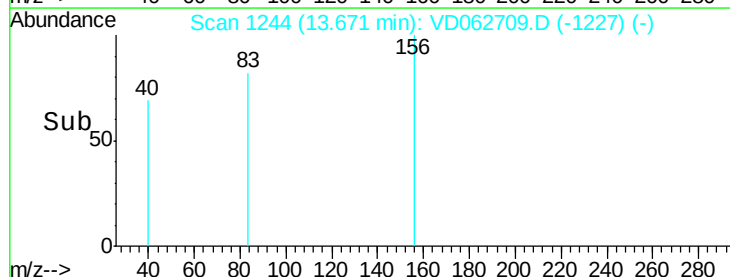
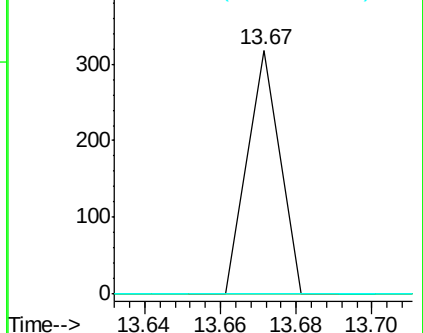
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.9	17.7#
85	0.0	31.3	93.9#

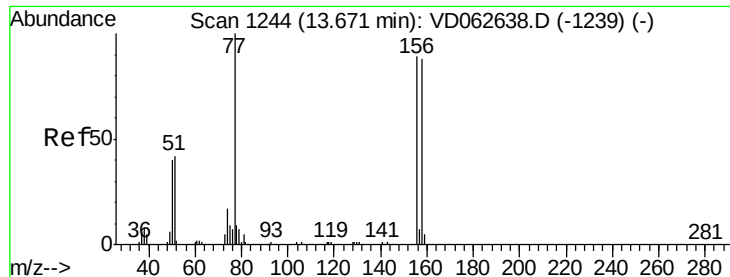


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC





#77

Bromobenzene

Concen: 1.987 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

Instrument :

MSVOA_D

ClientSampleId :

RT-3425RE

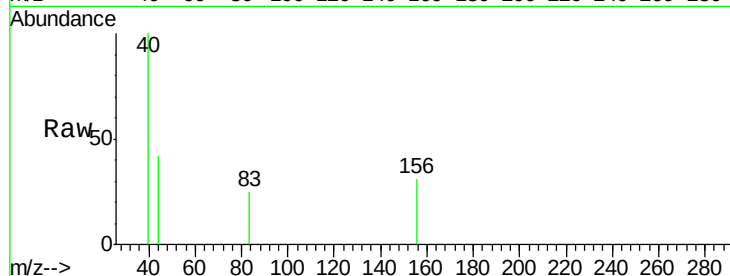
Tot Ion:156 Resp: 230

Ion Ratio Lower Upper

156 100

77 0.0 56.3 168.8#

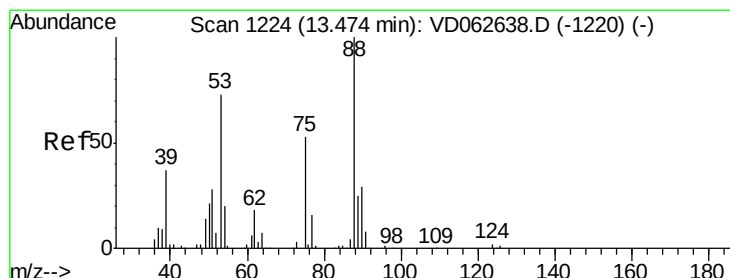
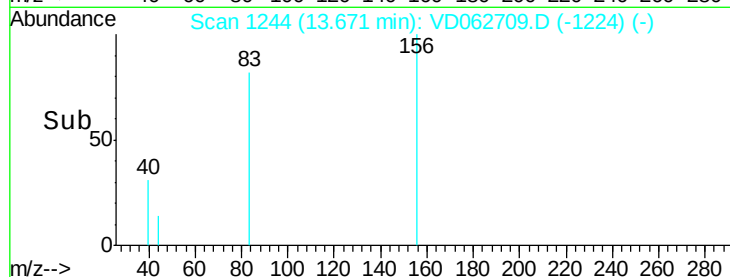
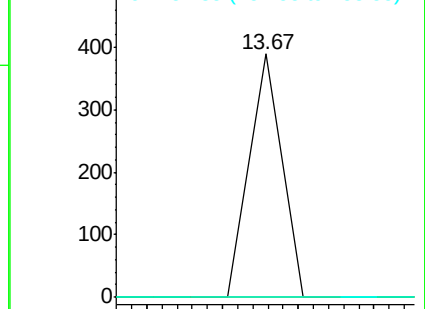
158 0.0 49.6 148.8#



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#81

trans-1,4-Dichloro-2-butene

Concen: 78.060 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

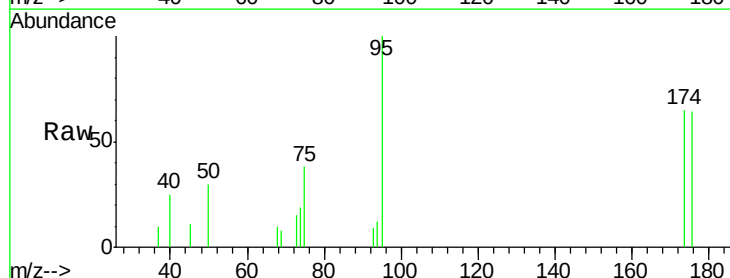
Tgt Ion: 75 Resp: 1858

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

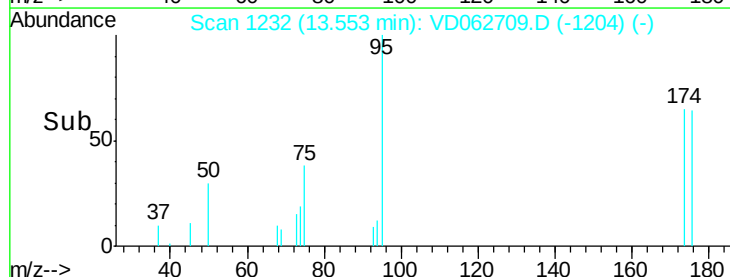
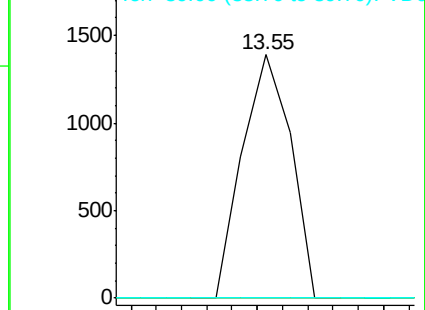
89 0.0 37.0 55.6#

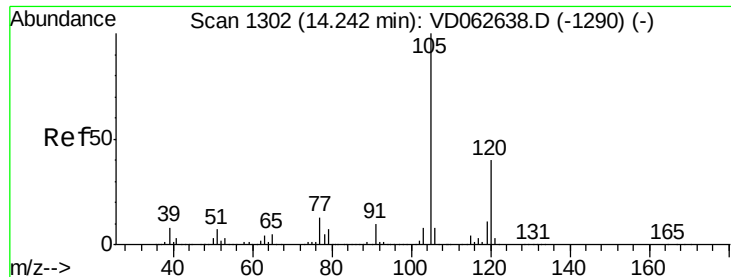


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

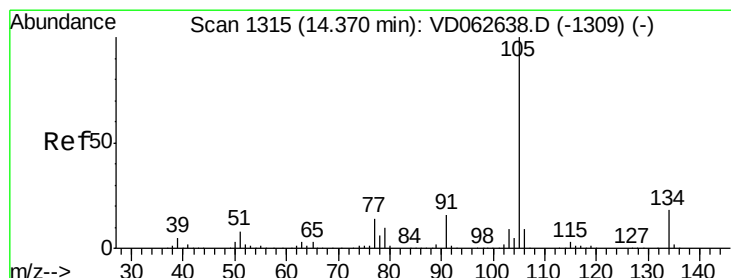
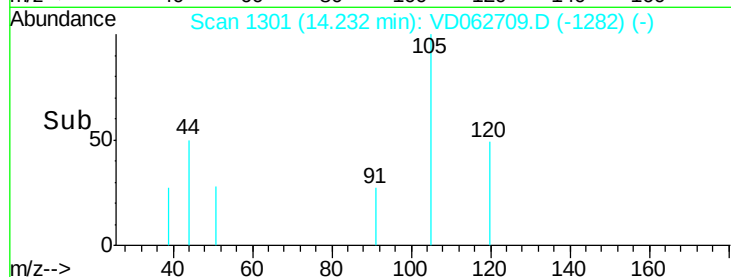
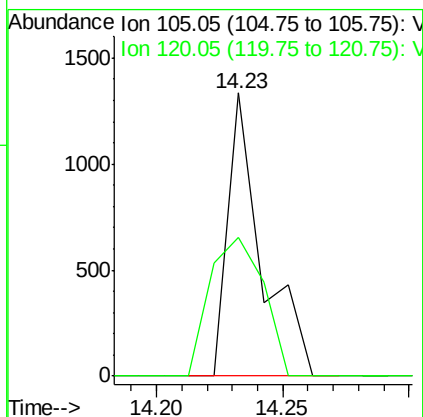
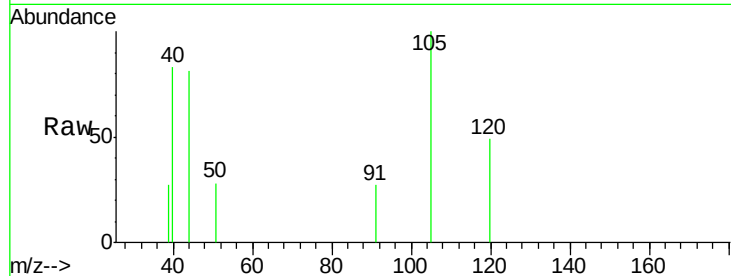




#84
 1,2,4-Trimethylbenzene
 Concen: 3.514 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062709.D
 Acq: 14 Jun 2019 14:23

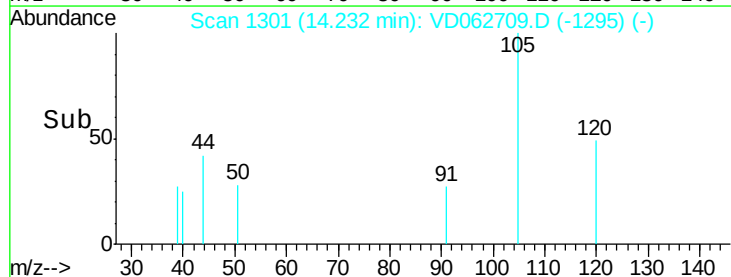
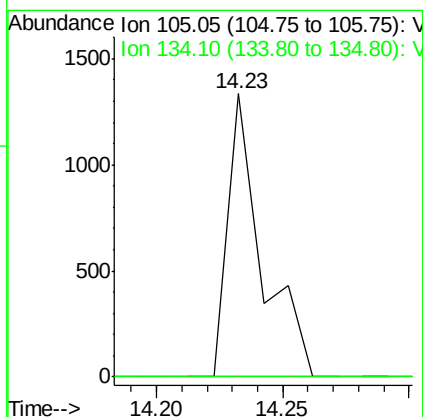
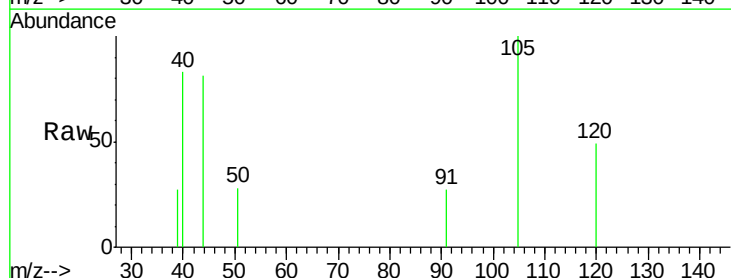
Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3425RE

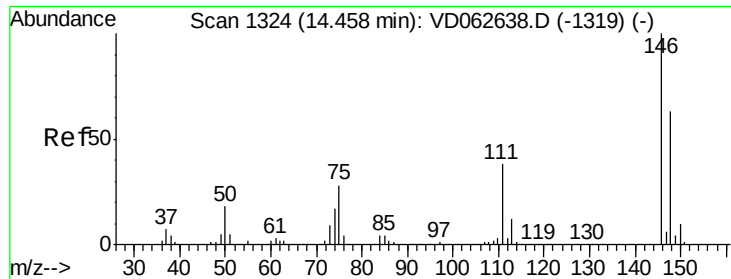
Tot Ion:105 Resp: 1245
 Ion Ratio Lower Upper
 105 100
 120 49.0 20.3 60.8



#85
 sec-Butylbenzene
 Concen: 3.008 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.14 min
 Lab File: VD062709.D
 Acq: 14 Jun 2019 14:23

Tgt Ion:105 Resp: 1245
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.8 26.2#





#87

1,3-Dichlorobenzene

Concen: 2.633 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. 0.09 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

Instrument :

MSVOA_D

ClientSampleId :

RT-3425RE

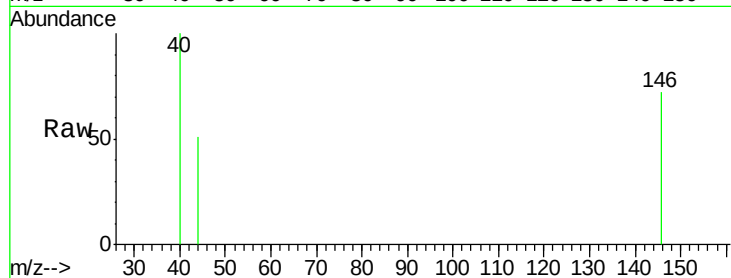
Tot Ion:146 Resp: 552

Ion Ratio Lower Upper

146 100

111 0.0 19.2 57.6#

148 0.0 31.6 95.0#

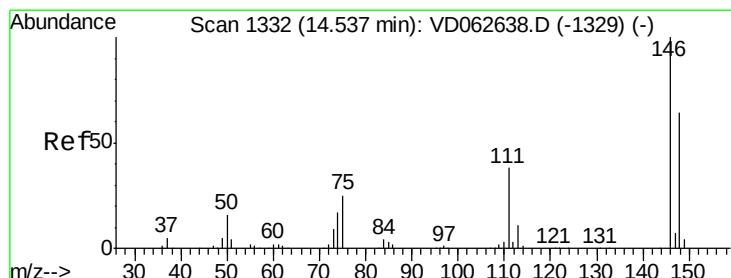
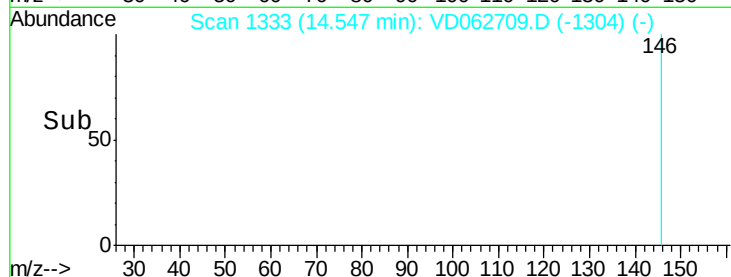
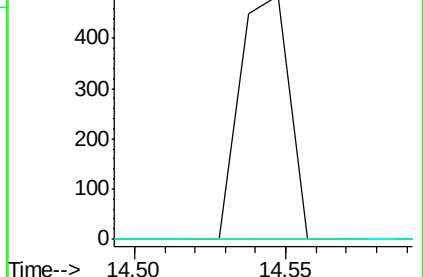


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

14.55



#88

1,4-Dichlorobenzene

Concen: 2.786 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

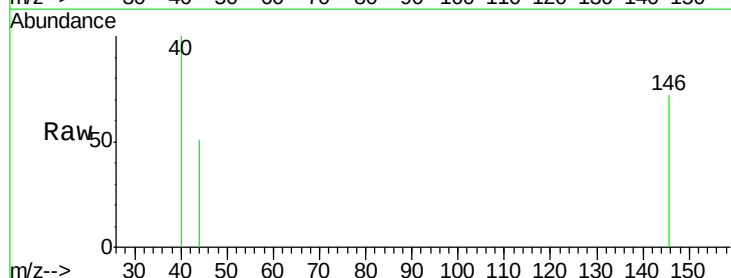
Tgt Ion:146 Resp: 552

Ion Ratio Lower Upper

146 100

111 0.0 18.9 56.7#

148 0.0 32.3 96.8#

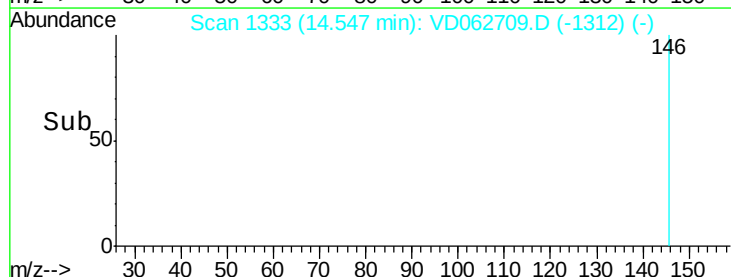
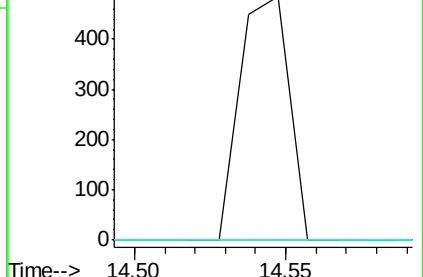


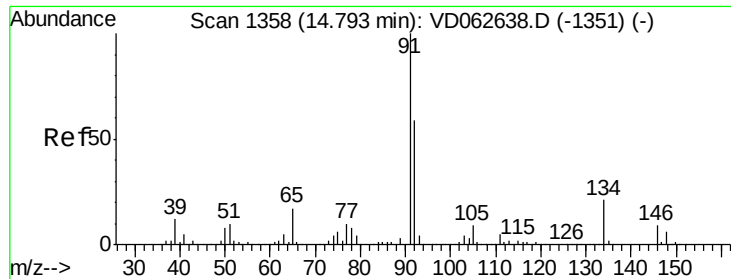
Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

14.55





#89

n-Butylbenzene

Concen: 2.419 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

Instrument :

MSVOA_D

ClientSampleId :

RT-3425RE

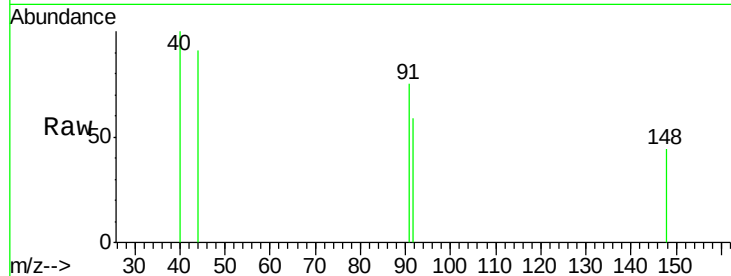
Tot Ion: 91 Resp: 877

Ion Ratio Lower Upper

91 100

92 0.0 29.4 88.3#

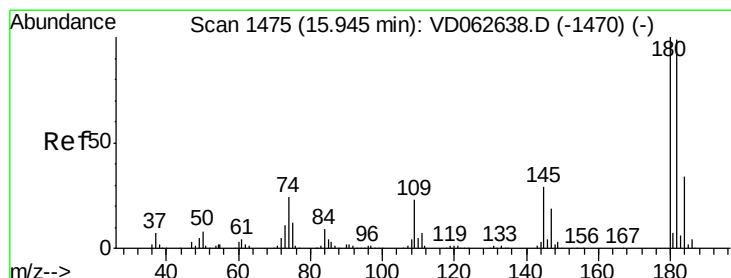
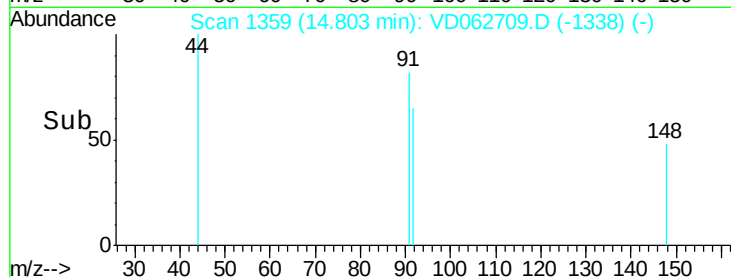
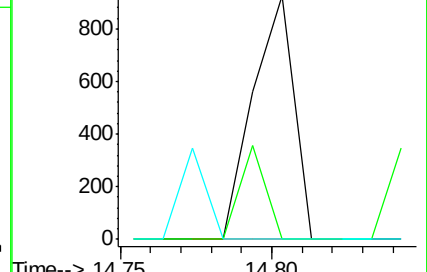
134 0.0 10.4 31.2#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#93

1,2,4-Trichlorobenzene

Concen: 5.490 ug/l

RT: 15.95 min Scan# 1475

Delta R.T. 0.00 min

Lab File: VD062709.D

Acq: 14 Jun 2019 14:23

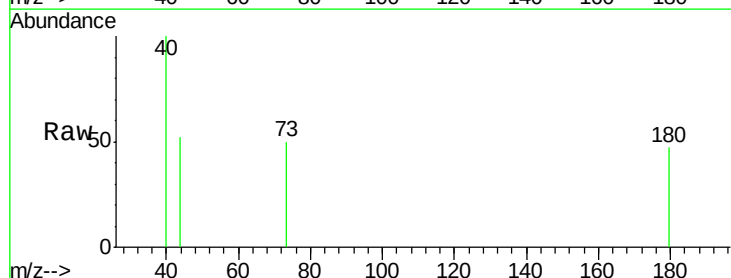
Tgt Ion: 180 Resp: 306

Ion Ratio Lower Upper

180 100

182 0.0 49.4 148.2#

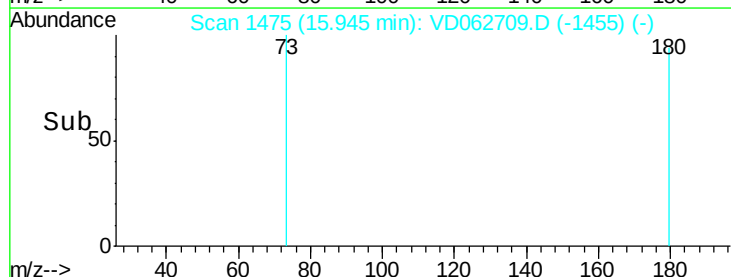
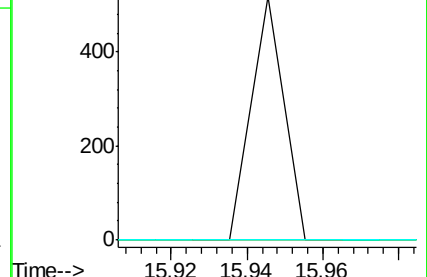
145 0.0 14.5 43.6#

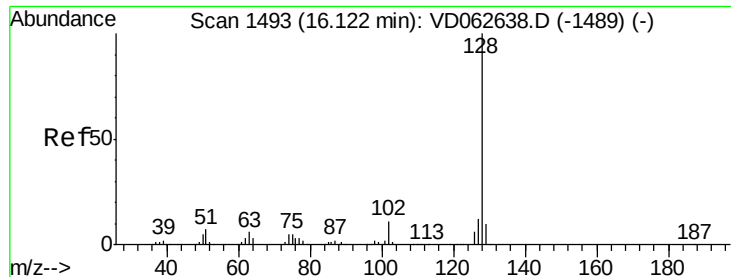


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95
 Naphthalene
 Concen: 7.603 ug/l
 RT: 16.11 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VD062709.D
 Acq: 14 Jun 2019 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3425RE

Tot Ion:128 Resp: 930
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.7 14.5#
 129 0.0 8.1 12.1#

