

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120419\
 Data File : VD064418.D
 Acq On : 04 Dec 2019 15:50
 Operator : VA/SY
 Sample : K6119-08RE
 Misc : 4.26G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 05 03:49:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	180	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.87	114	320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	55	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.52	65	61	37.44	ug/l	0.18
Spiked Amount						
			Recovery	=	74.88%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount						
			Recovery	=	0.00%	
50) Toluene-d8	10.34	98	396	52.14	ug/l	0.00
Spiked Amount						
			Recovery	=	104.28%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount						
			Recovery	=	0.00%	

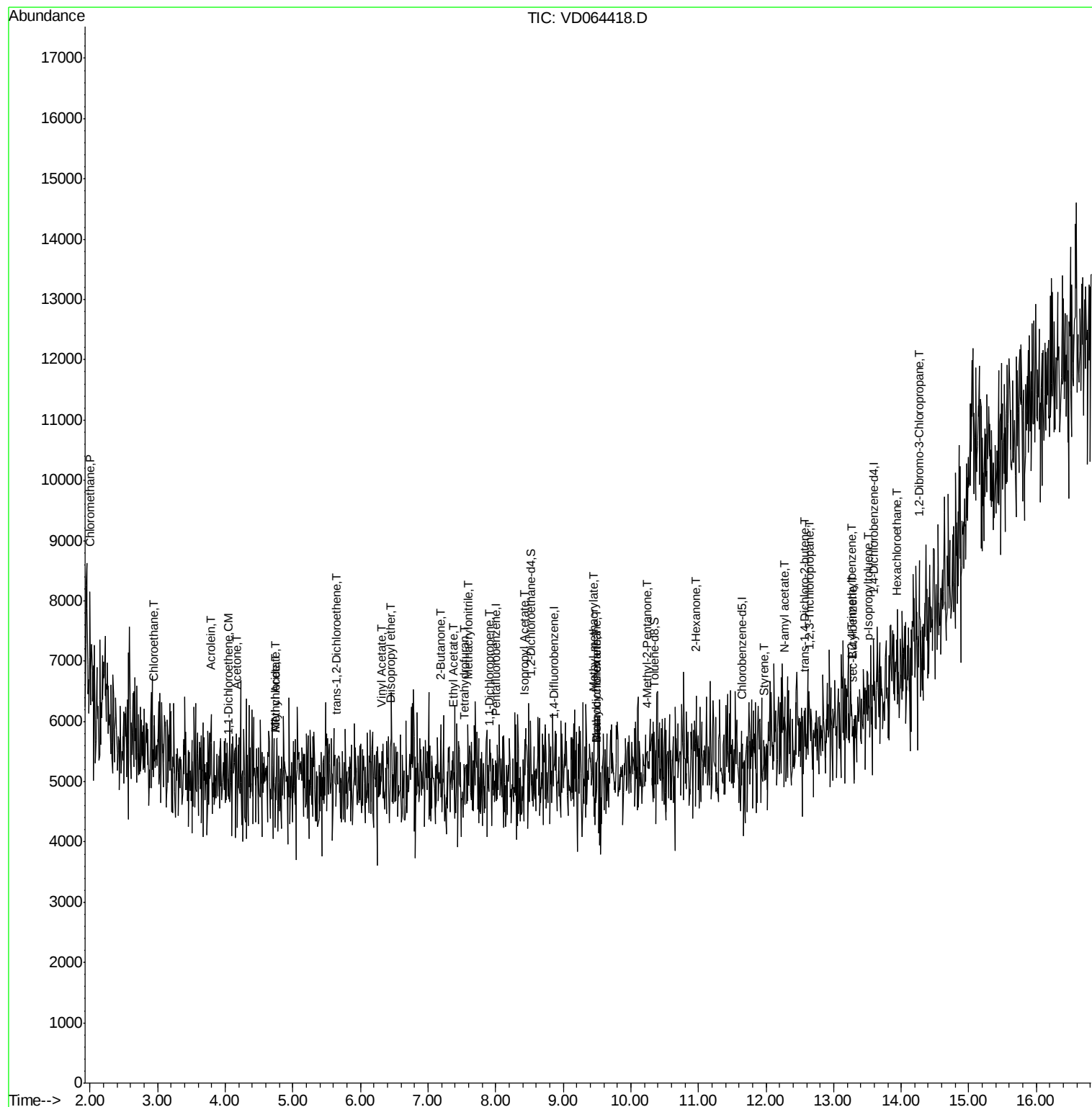
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.00	50	72	35.001	ug/l #	41
6) Chloroethane	2.94	64	66	41.573	ug/l #	44
12) 1,1-Dichloroethene	4.04	96	59	36.365	ug/l #	1
13) Acrolein	3.80	56	62	438.287	ug/l #	14
14) Allyl chloride	4.74	41	80	31.595	ug/l #	19
16) Acetone	4.17	43	62	188.312	ug/l #	47
18) Methyl Acetate	4.74	43	85	88.507	ug/l #	51
21) trans-1,2-Dichloroethene	5.64	96	63	34.328	ug/l #	1
22) Diisopropyl ether	6.44	45	65	13.004	ug/l #	36
23) Vinyl Acetate	6.31	43	132	44.794	ug/l #	71
25) 2-Butanone	7.19	43	128	274.905	ug/l #	49
29) Tetrahydrofuran	7.53	42	54	182.287	ug/l #	33
36) 1,1-Dichloropropene	7.90	75	54	17.841	ug/l #	40
37) Ethyl Acetate	7.37	43	125	97.329	ug/l #	69
39) Methylcyclohexane	9.49	83	54	14.383	ug/l #	19
41) Methacrylonitrile	7.59	41	297	403.240	ug/l #	26
43) Isopropyl Acetate	8.43	43	69	27.324	ug/l #	51
47) Bromodichloromethane	9.49	83	54	18.521	ug/l #	25
48) Methyl methacrylate	9.46	41	62	53.655	ug/l #	9
51) 4-Methyl-2-Pentanone	10.23	43	68	54.424	ug/l #	37
59) 2-Hexanone	10.97	43	127	146.485	ug/l #	26
70) Styrene	11.97	104	56	5.214	ug/l #	26
74) N-ethyl acetate	12.28	43	299	333.040	ug/l #	55
76) 1,2,3-Trichloropropane	12.64	75	62	137.077	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.57	75	54	260.331	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.27	105	69	21.228	ug/l #	29
85) sec-Butylbenzene	13.29	105	60	15.556	ug/l #	55
86) p-Isopropyltoluene	13.51	119	71	19.498	ug/l #	18
90) Hexachloroethane	13.93	117	59	86.626	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.27	75	102	1138.984	ug/l #	1

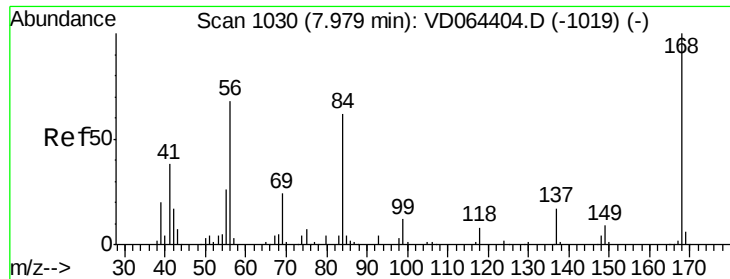
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120419\
Data File : VD064418.D
Acq On : 04 Dec 2019 15:50
Operator : VA/SY
Sample : K6119-08RE
Misc : 4.26G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 05 03:49:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1033

Delta R.T. 0.02 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Instrument :

MSVOA_D

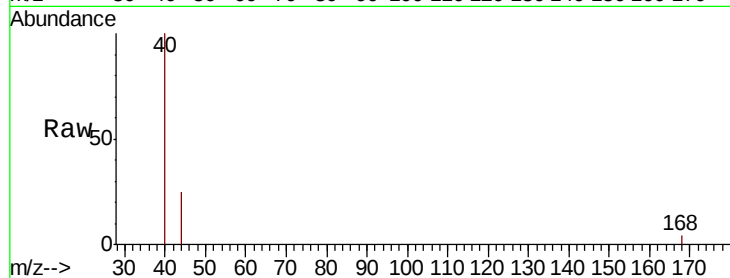
ClientSampleId :

Tot Ion:168 Resp: 180

Ion Ratio Lower Upper

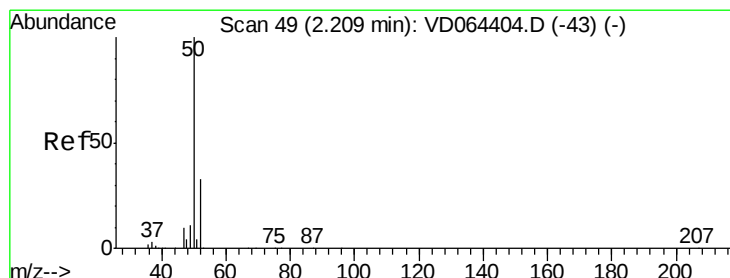
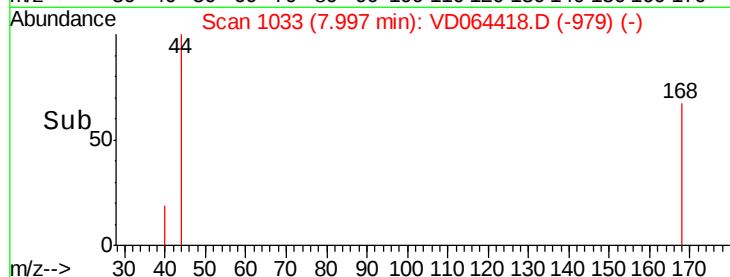
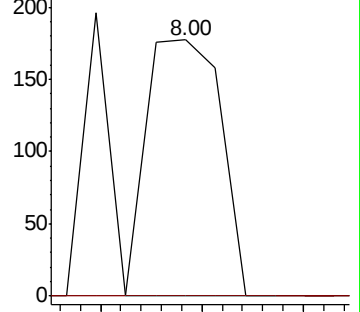
168 100

99 0.0 40.7 61.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 35.001 ug/l

RT: 2.00 min Scan# 14

Delta R.T. -0.21 min

Lab File: VD064418.D

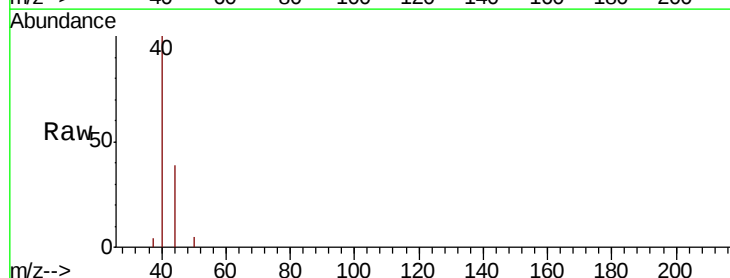
Acq: 04 Dec 2019 15:50

Tgt Ion: 50 Resp: 72

Ion Ratio Lower Upper

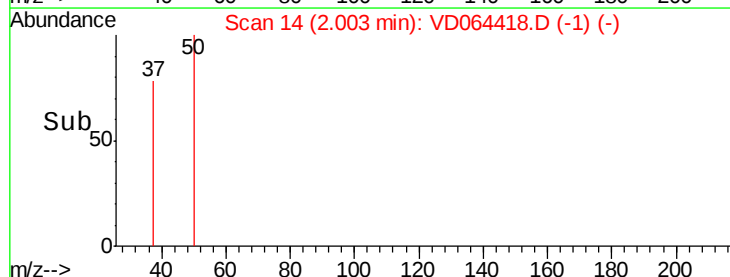
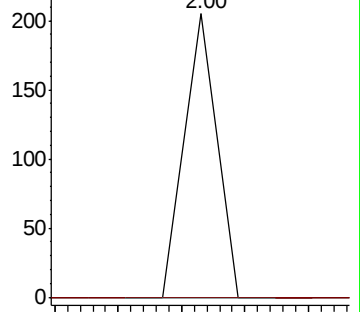
50 100

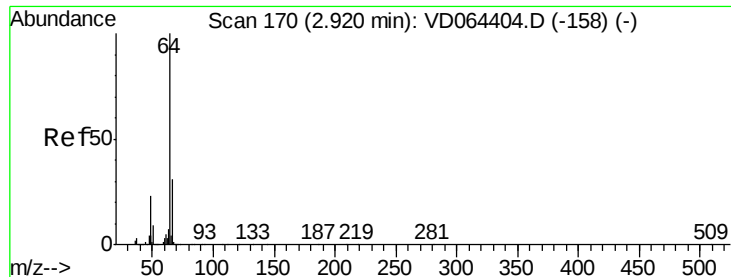
52 0.0 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#6

Chloroethane

Concen: 41.573 ug/l

RT: 2.94 min Scan# 174

Delta R.T. 0.02 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Instrument :

MSVOA_D

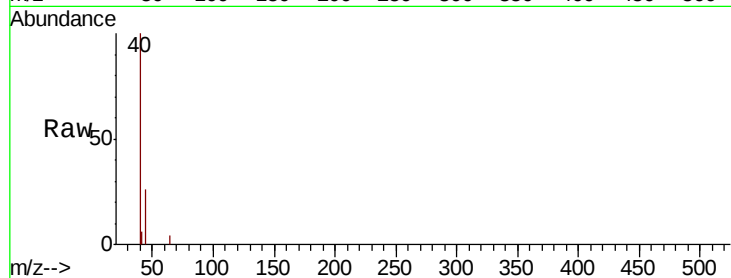
ClientSampleId :

Tot Ion: 64 Resp: 66

Ion Ratio Lower Upper

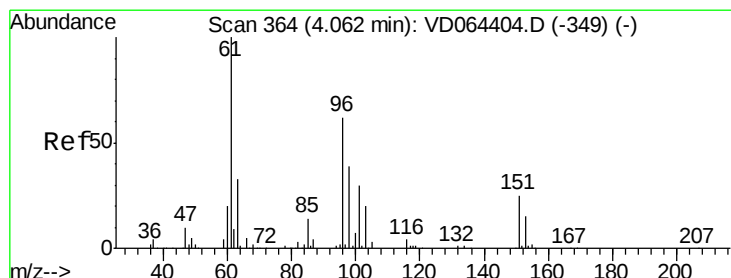
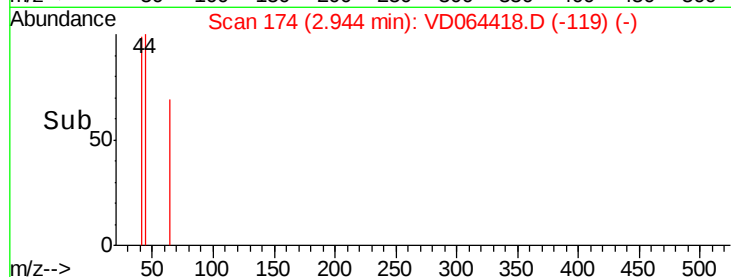
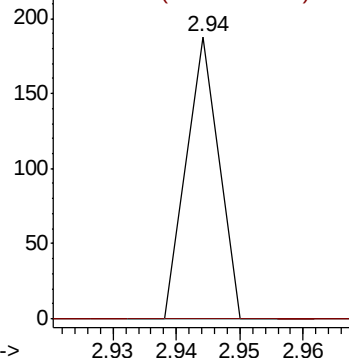
64 100

66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



#12

1,1-Dichloroethene

Concen: 36.365 ug/l

RT: 4.04 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

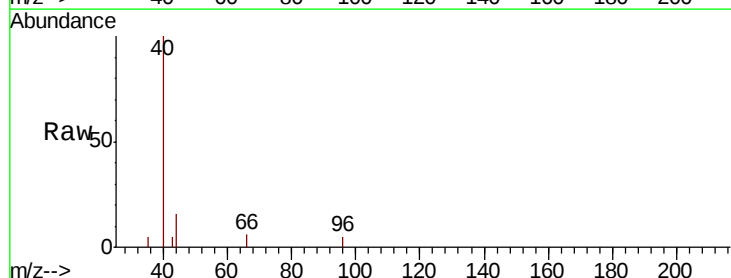
Tgt Ion: 96 Resp: 59

Ion Ratio Lower Upper

96 100

61 0.0 128.2 192.4#

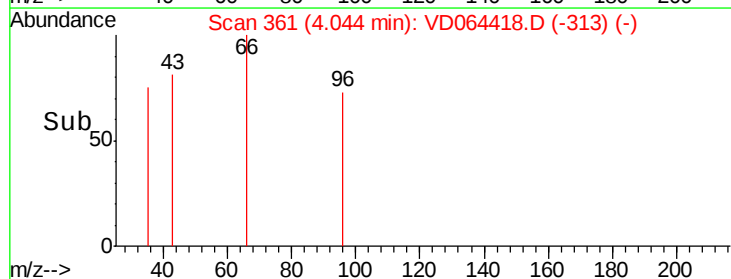
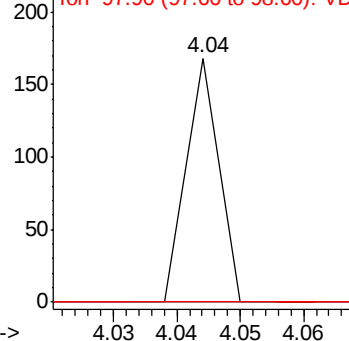
98 0.0 50.4 75.6#

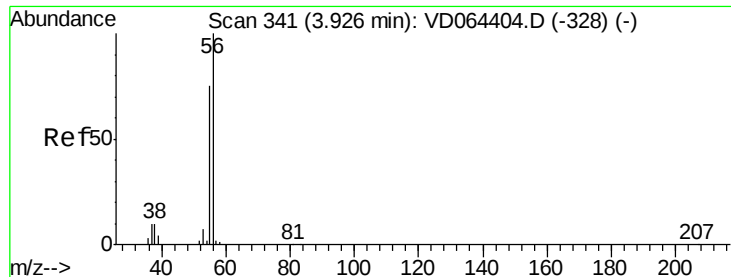


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 438.287 ug/l

RT: 3.80 min Scan# 319

Delta R.T. -0.13 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Instrument :

MSVOA_D

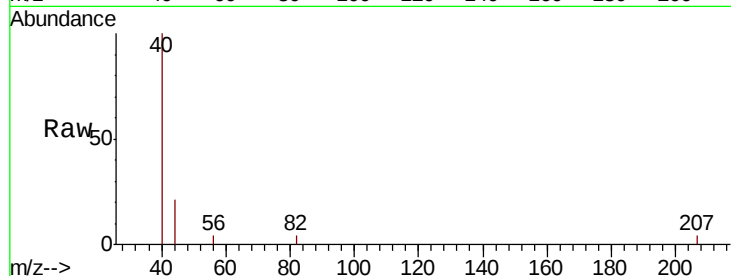
ClientSampled :

Tot Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.80

150

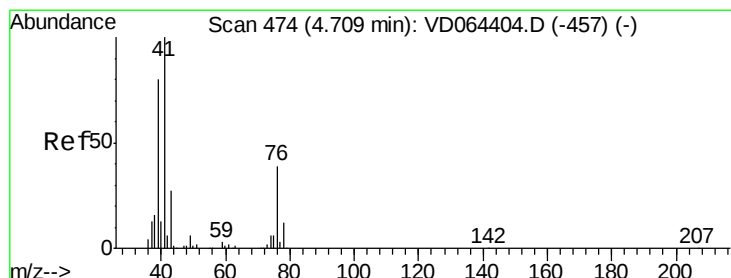
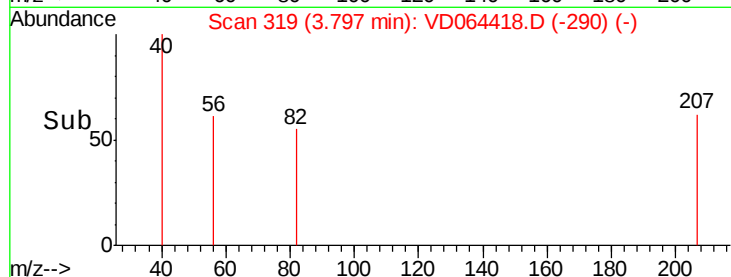
100

50

0

3.78 3.79 3.80 3.81

Time-->



#14

Allyl chloride

Concen: 31.595 ug/l

RT: 4.74 min Scan# 480

Delta R.T. 0.04 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

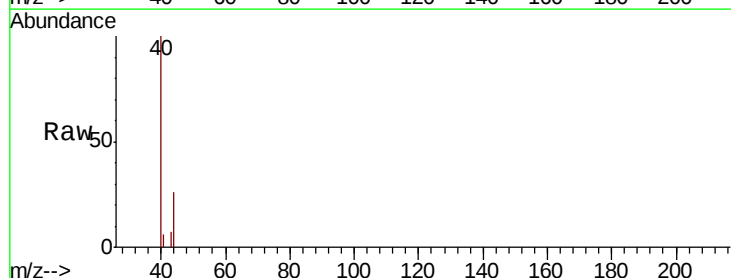
Tgt Ion: 41 Resp: 80

Ion Ratio Lower Upper

41 100

39 0.0 62.1 93.1#

76 0.0 29.8 44.8#



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

300

250

200

150

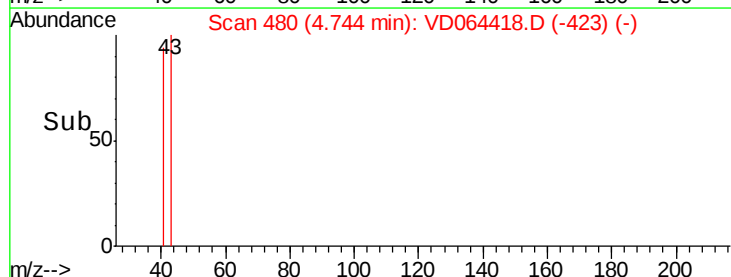
100

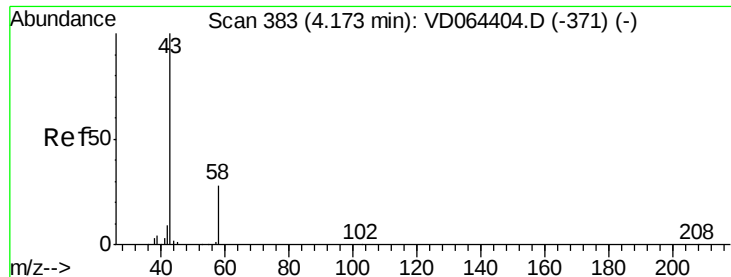
50

0

4.73 4.74 4.75 4.76

Time-->





#16

Acetone

Concen: 188.312 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Instrument :

MSVOA_D

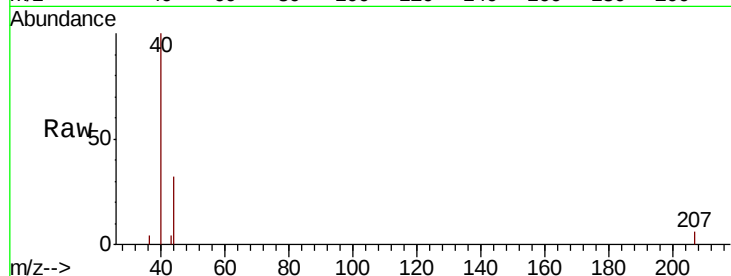
ClientSampleId :

Tot Ion: 43 Resp: 62

Ion Ratio Lower Upper

43 100

58 0.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

200

150

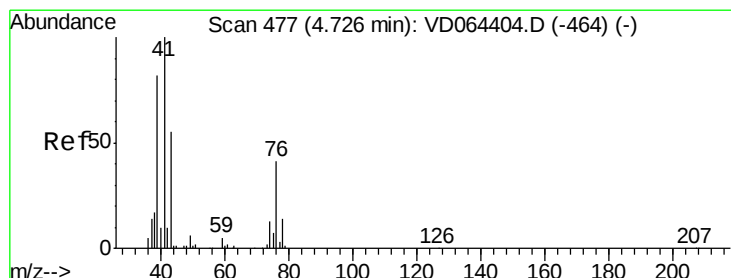
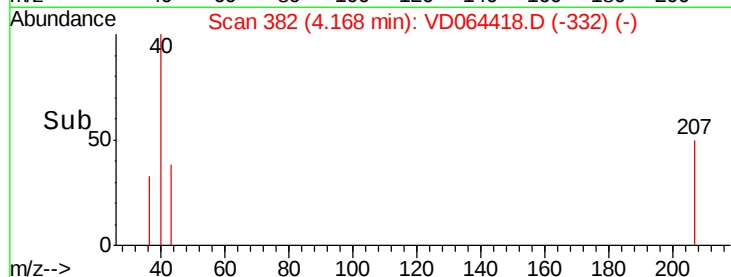
100

50

0

4.15 4.16 4.17 4.18

Time-->



#18

Methyl Acetate

Concen: 88.507 ug/l

RT: 4.74 min Scan# 480

Delta R.T. 0.02 min

Lab File: VD064418.D

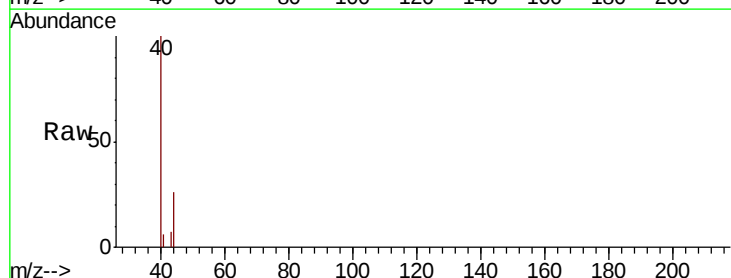
Acq: 04 Dec 2019 15:50

Tgt Ion: 43 Resp: 85

Ion Ratio Lower Upper

43 100

74 0.0 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

250

200

150

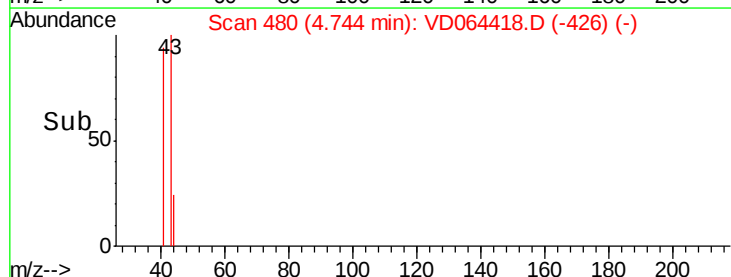
100

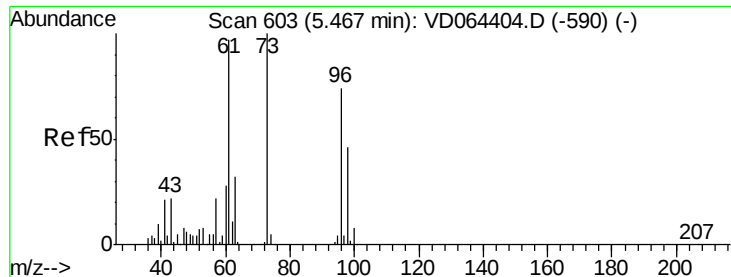
50

0

4.73 4.74 4.75 4.76

Time-->





#21

trans-1,2-Dichloroethene

Concen: 34.328 ug/l

RT: 5.64 min Scan# 633

Delta R.T. 0.18 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

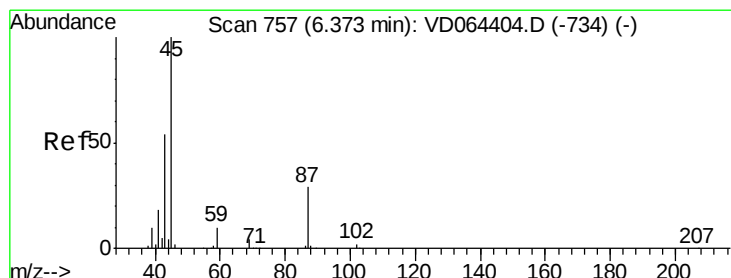
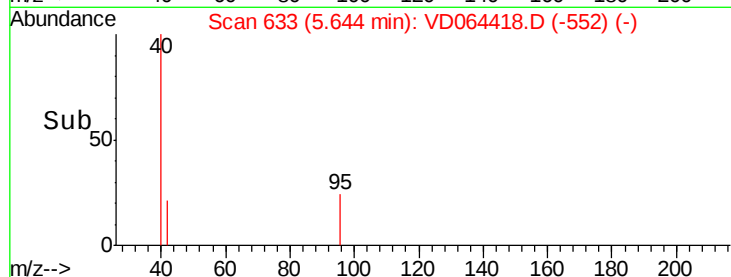
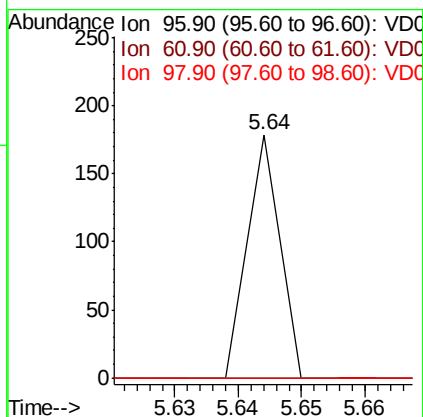
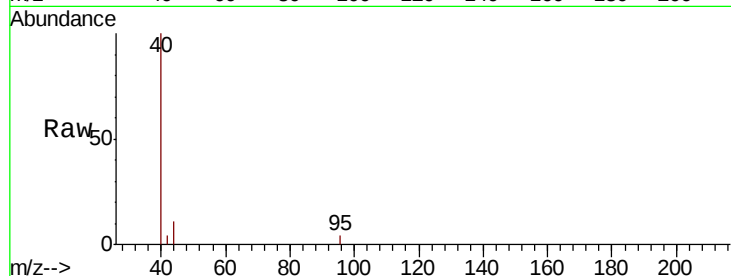
Tot Ion: 96 Resp: 63

Ion Ratio Lower Upper

96 100

61 0.0 105.8 158.6#

98 0.0 50.1 75.1#



#22

Diisopropyl ether

Concen: 13.004 ug/l

RT: 6.44 min Scan# 768

Delta R.T. 0.06 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Tgt Ion: 45 Resp: 65

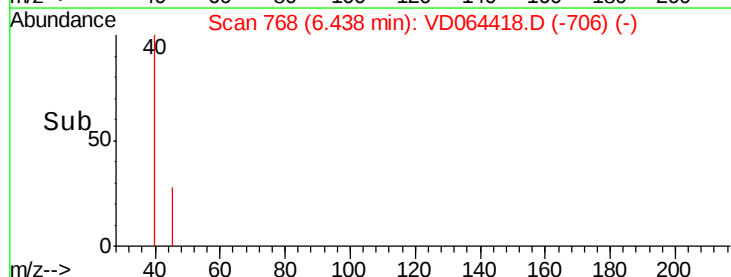
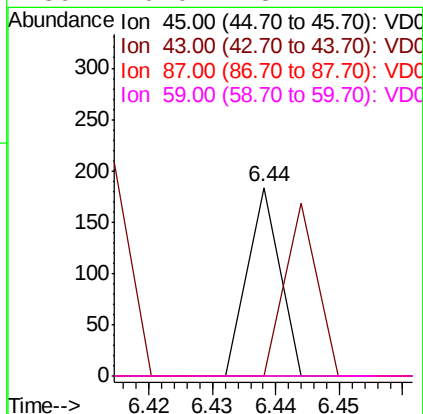
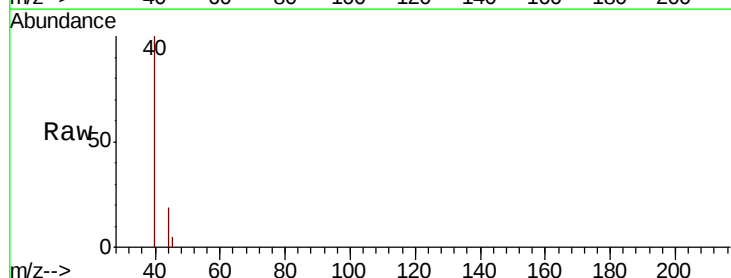
Ion Ratio Lower Upper

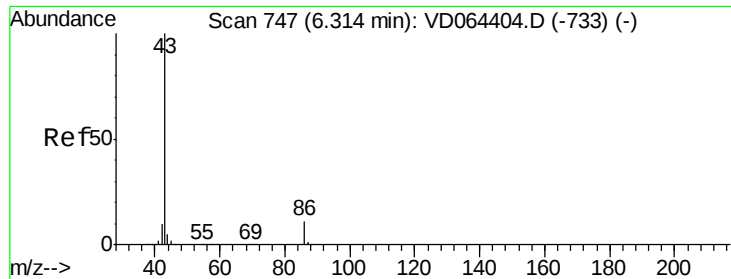
45 100

43 0.0 43.1 64.7#

87 0.0 23.5 35.3#

59 0.0 8.2 12.2#





#23

Vinyl Acetate

Concen: 44.794 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Instrument :

MSVOA_D

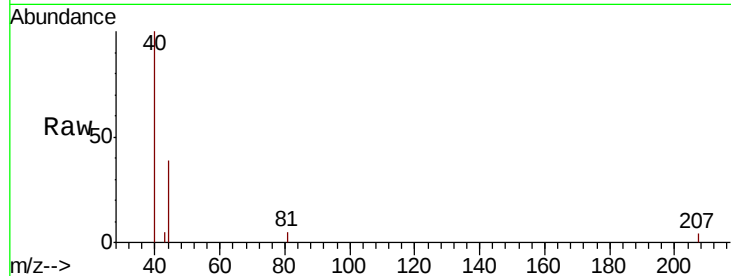
ClientSampleId :

Tot Ion: 43 Resp: 132

Ion Ratio Lower Upper

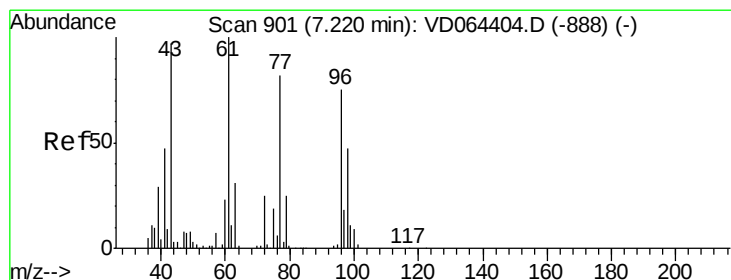
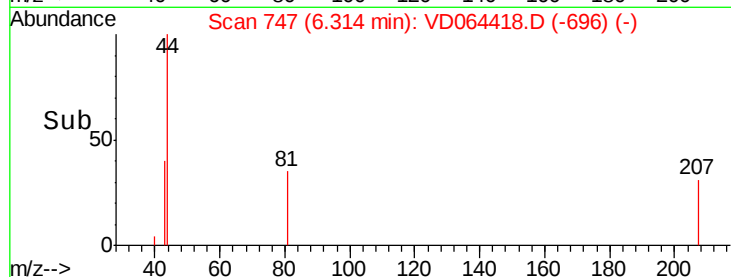
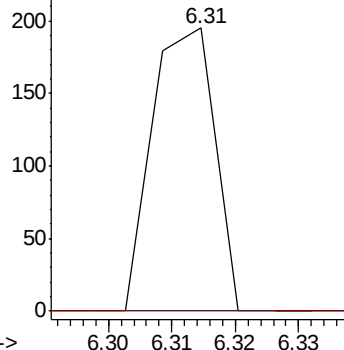
43 100

86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#25

2-Butanone

Concen: 274.905 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.03 min

Lab File: VD064418.D

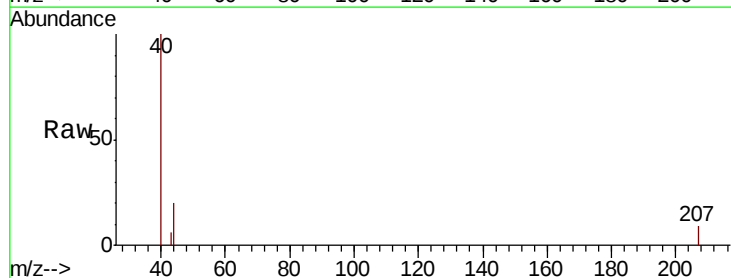
Acq: 04 Dec 2019 15:50

Tgt Ion: 43 Resp: 128

Ion Ratio Lower Upper

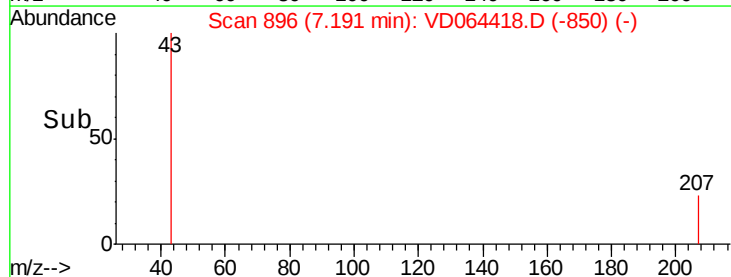
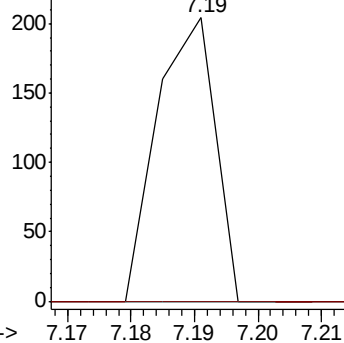
43 100

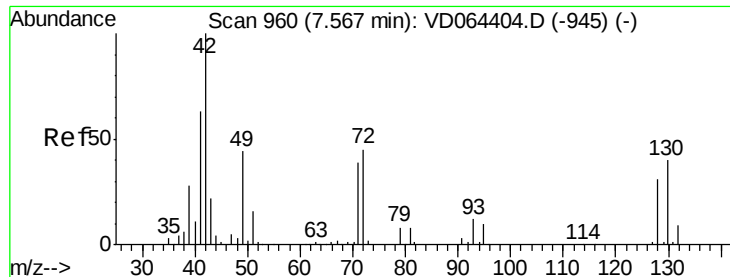
72 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 182.287 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.04 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

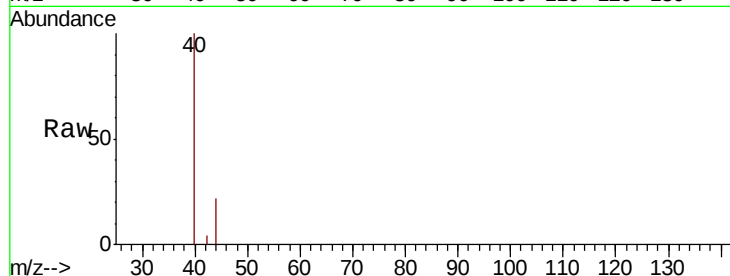
Tot Ion: 42 Resp: 54

Ion Ratio Lower Upper

42 100

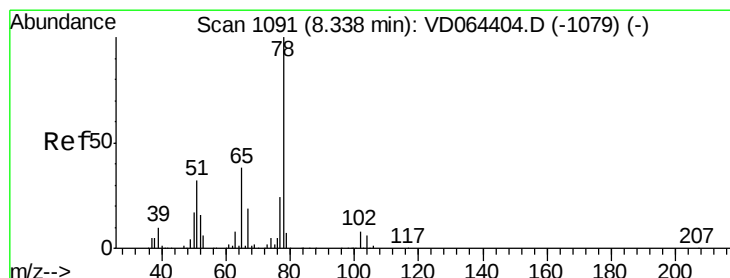
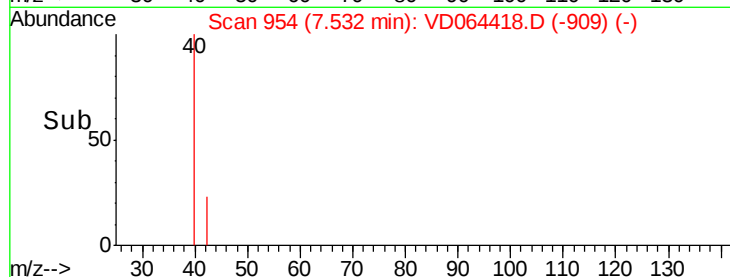
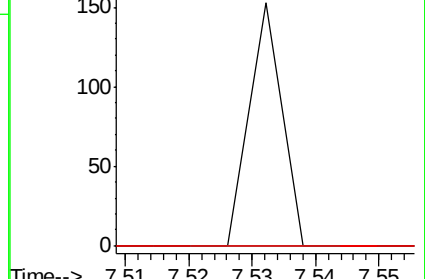
72 0.0 35.8 53.8#

71 0.0 32.7 49.1#



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

7.53



#33

1,2-Dichloroethane-d4

Concen: 37.440 ug/l

RT: 8.52 min Scan# 1122

Delta R.T. 0.18 min

Lab File: VD064418.D

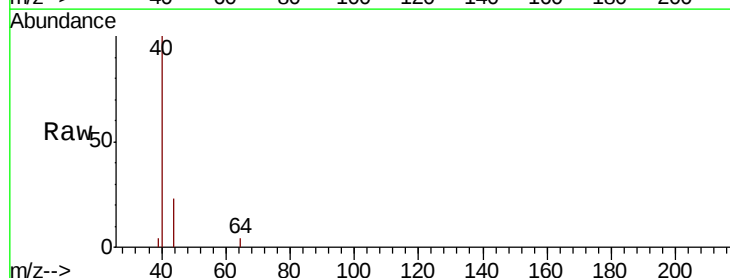
Acq: 04 Dec 2019 15:50

Tgt Ion: 65 Resp: 61

Ion Ratio Lower Upper

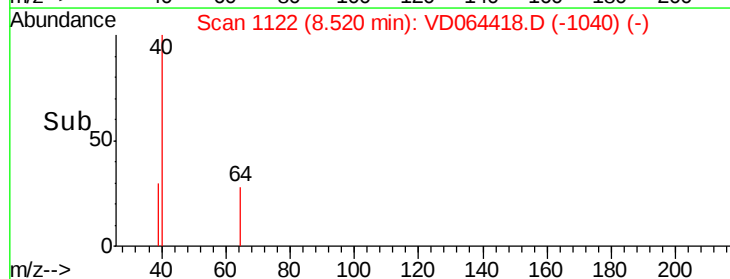
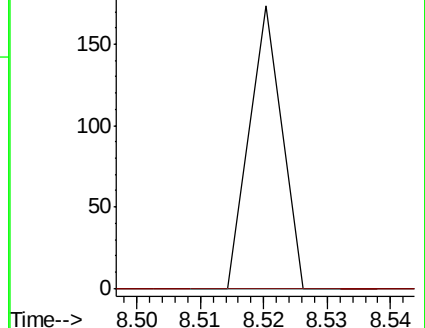
65 100

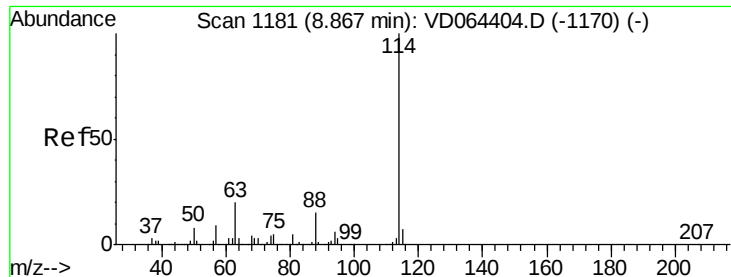
67 0.0 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

8.52

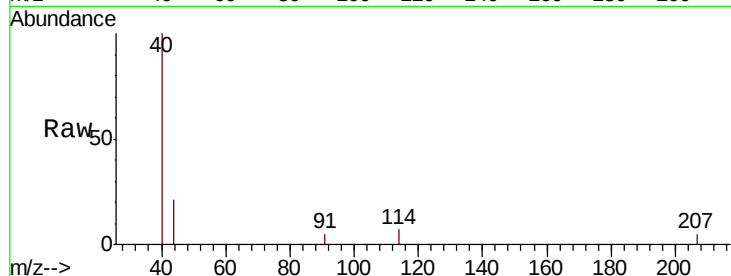




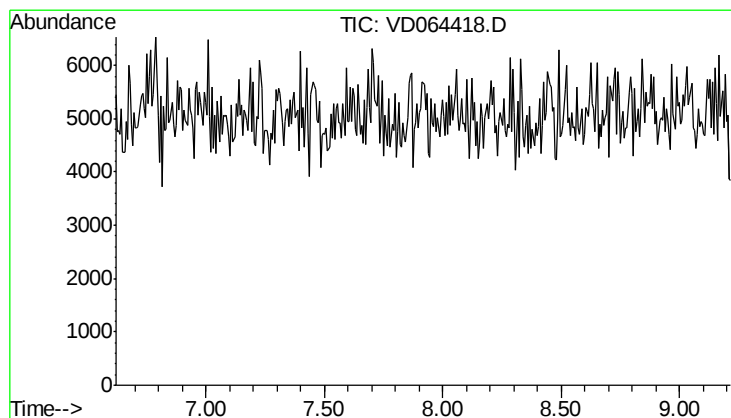
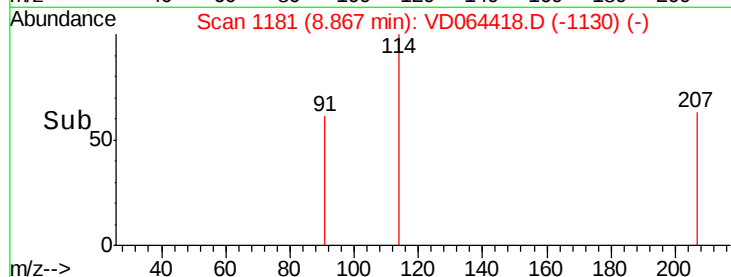
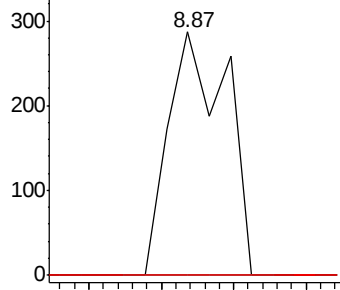
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD064418.D
Acq: 04 Dec 2019 15:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 320
Ion Ratio Lower Upper
114 100
63 0.0 0.0 40.0
88 0.0 0.0 29.2

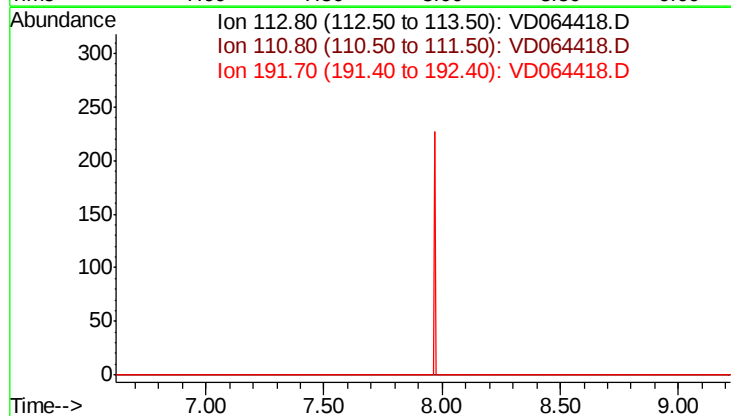


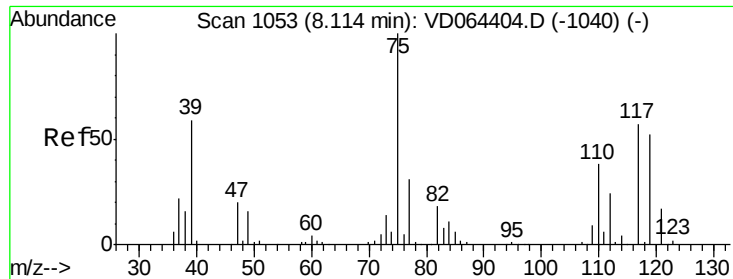
Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VDC
Ion 87.90 (87.60 to 88.60): VDC



#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 7.92 min
Lab File: VD064418.D
Acq: 04 Dec 2019 15:50

Tgt Ion: 113
Sig Exp Ratio
113 100
111 99.3
192 23.3





#36

1,1-Dichloropropene

Concen: 17.841 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.21 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

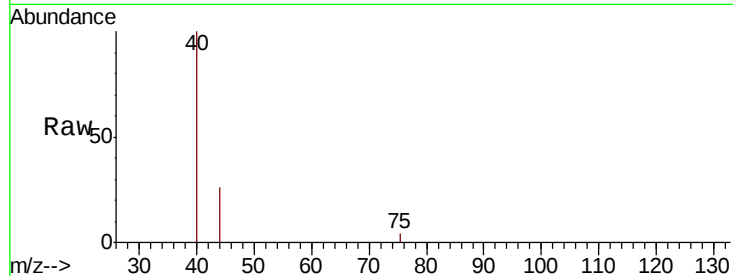
Tot Ion: 75 Resp: 54

Ion Ratio Lower Upper

75 100

110 0.0 18.6 55.8#

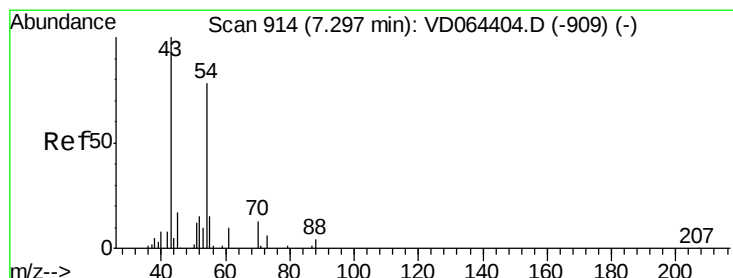
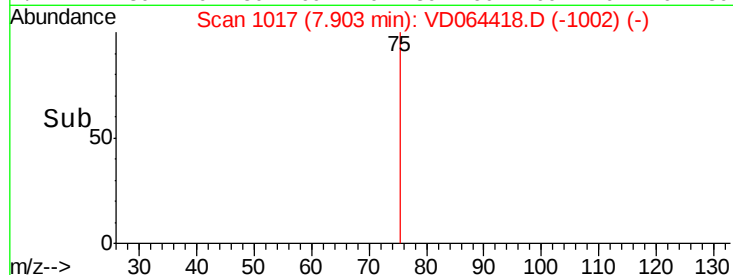
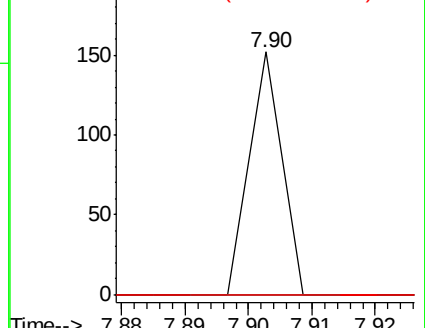
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 97.329 ug/l

RT: 7.37 min Scan# 927

Delta R.T. 0.08 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

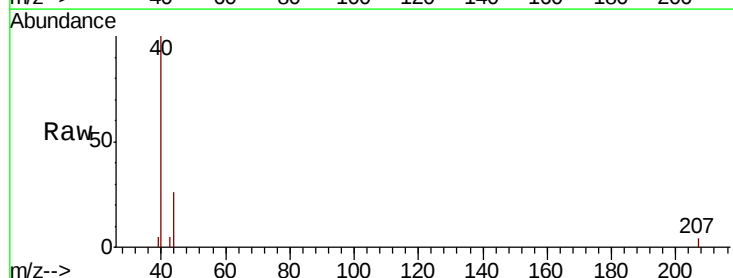
Tgt Ion: 43 Resp: 125

Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

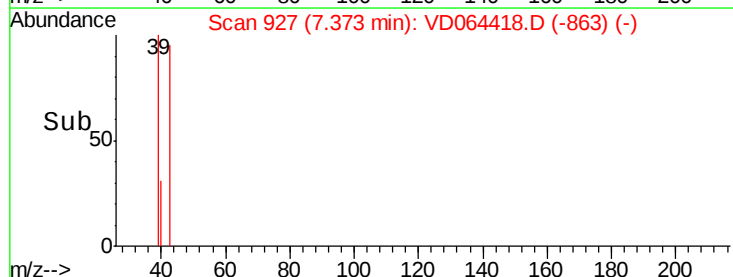
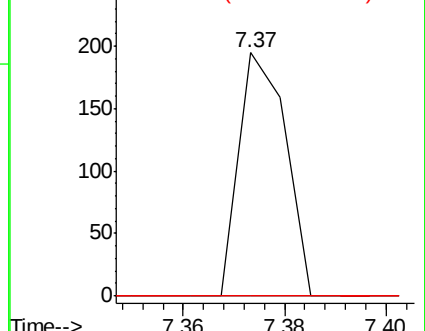
70 0.0 8.3 12.5#

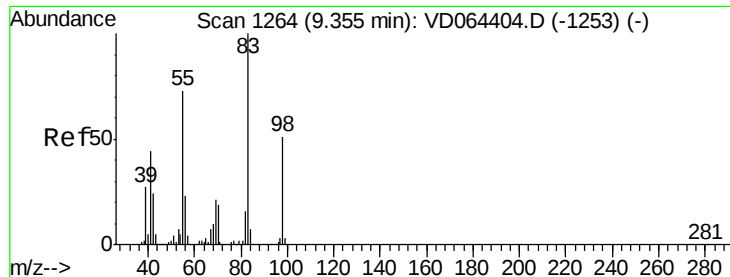


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#39

Methylcyclohexane

Concen: 14.383 ug/l

RT: 9.49 min Scan# 1287

Delta R.T. 0.14 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

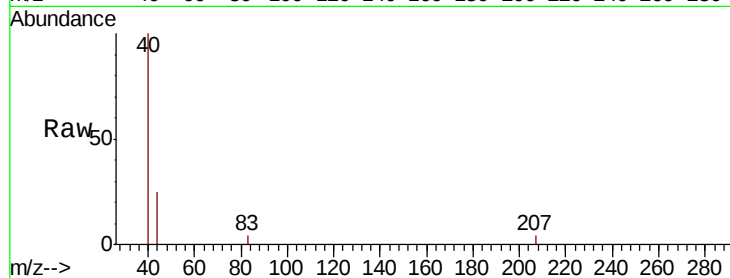
Tot Ion: 83 Resp: 54

Ion Ratio Lower Upper

83 100

55 0.0 58.6 87.8#

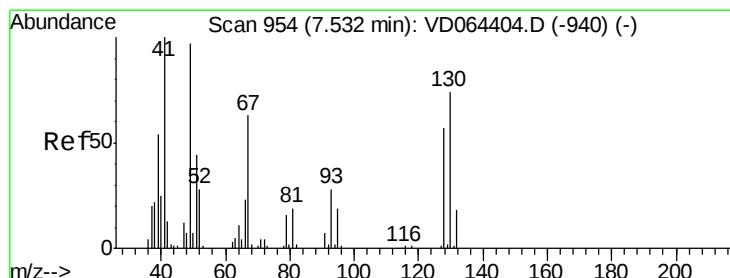
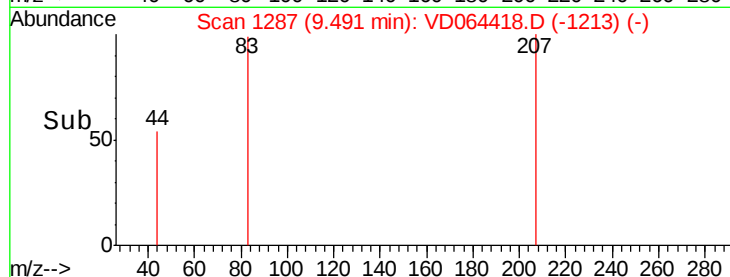
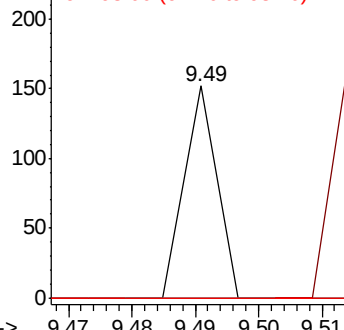
98 0.0 40.9 61.3#



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#41

Methacrylonitrile

Concen: 403.240 ug/l

RT: 7.59 min Scan# 964

Delta R.T. 0.06 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Tgt Ion: 41 Resp: 297

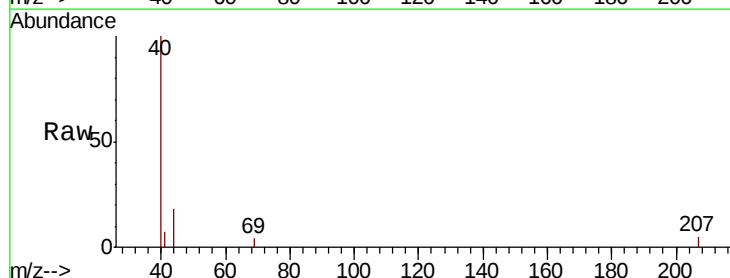
Ion Ratio Lower Upper

41 100

39 0.0 44.6 67.0#

67 0.0 50.9 76.3#

52 0.0 22.5 33.7#

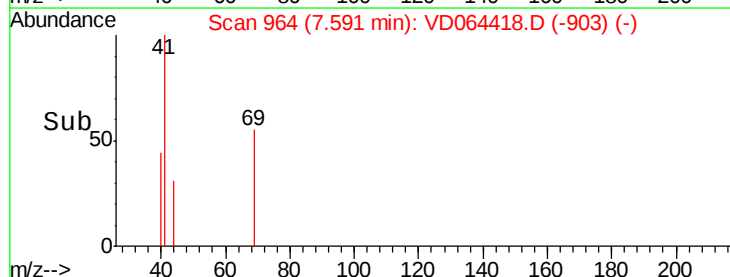
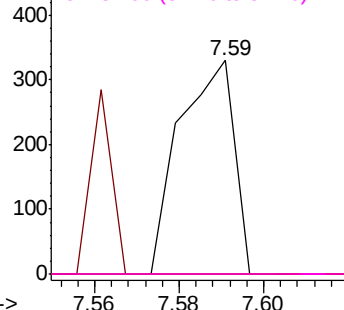


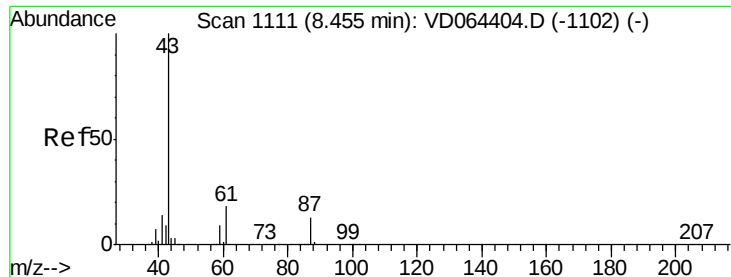
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC





#43

Isopropyl Acetate

Concen: 27.324 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

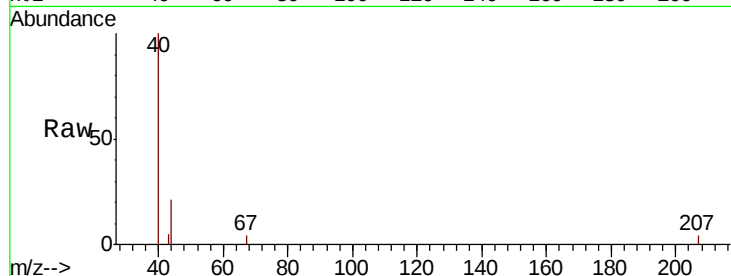
Tot Ion: 43 Resp: 69

Ion Ratio Lower Upper

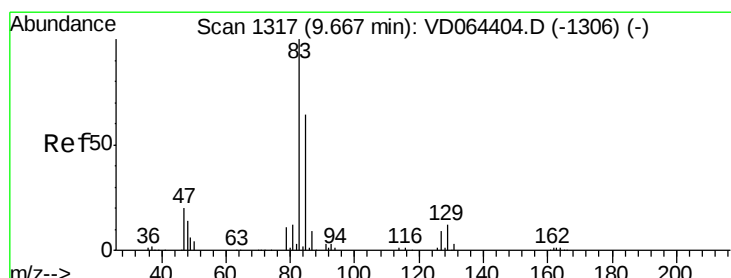
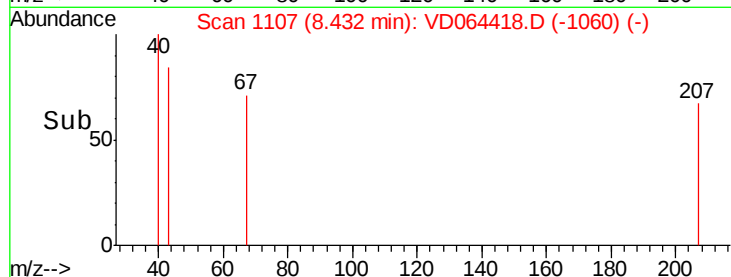
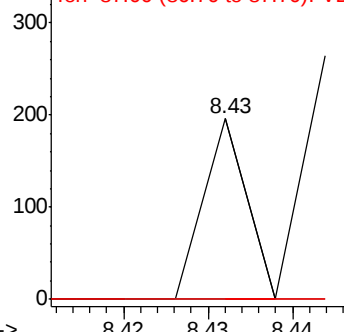
43 100

61 0.0 24.0 36.0#

87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#47

Bromodichloromethane

Concen: 18.521 ug/l

RT: 9.49 min Scan# 1287

Delta R.T. -0.18 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

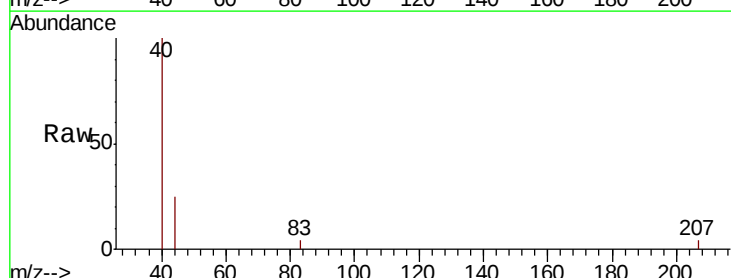
Tgt Ion: 83 Resp: 54

Ion Ratio Lower Upper

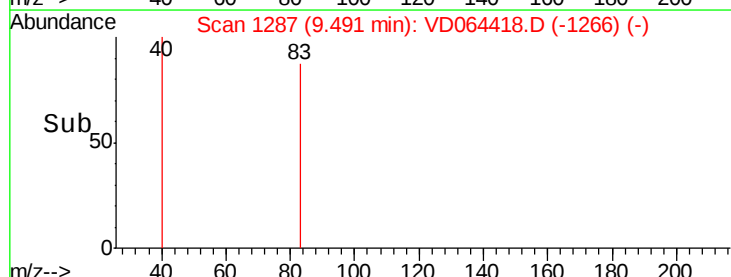
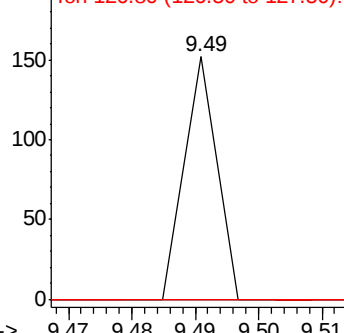
83 100

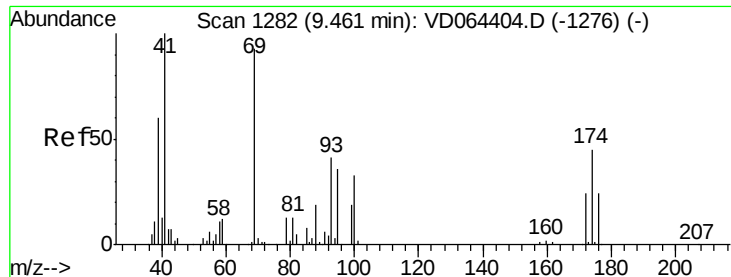
85 0.0 51.1 76.7#

127 0.0 7.4 11.0#



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

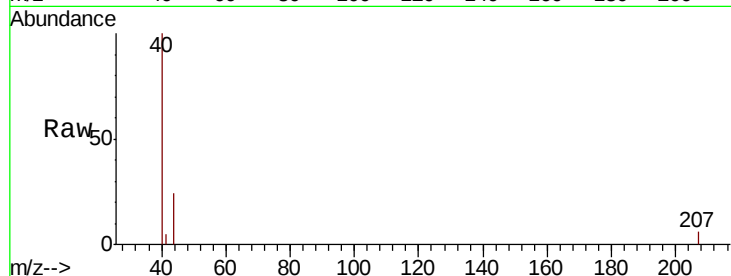




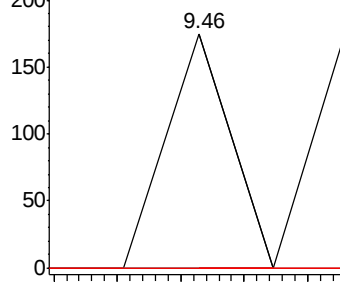
#48
Methvl methacrylate
Concen: 53.655 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064418.D
Acq: 04 Dec 2019 15:50

Instrument :
MSVOA_D
ClientSampled :

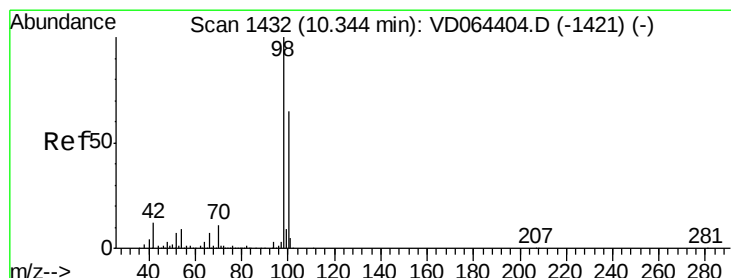
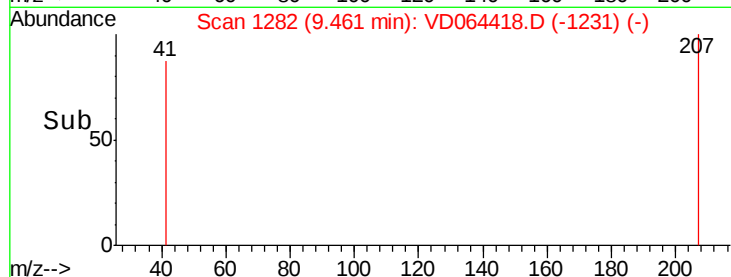
Tot Ion: 41 Resp: 62
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 0.0 55.2 82.8#



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

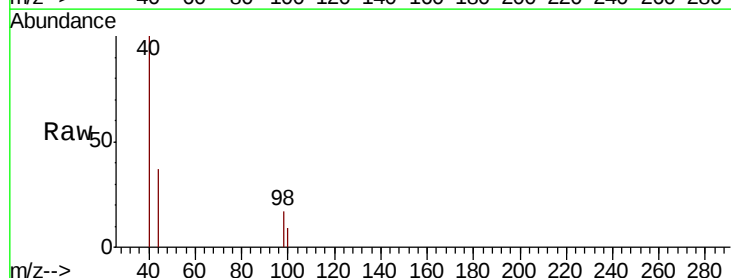


Time--> 9.45 9.46 9.46 9.46 9.47

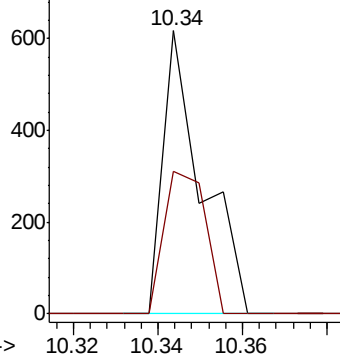


#50
Toluene-d8
Concen: 52.142 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064418.D
Acq: 04 Dec 2019 15:50

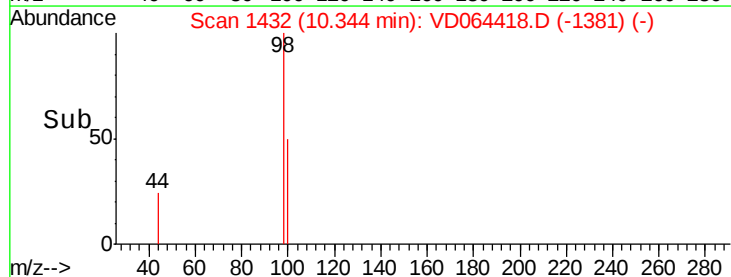
Tgt Ion: 98 Resp: 396
Ion Ratio Lower Upper
98 100
100 53.0 52.6 79.0

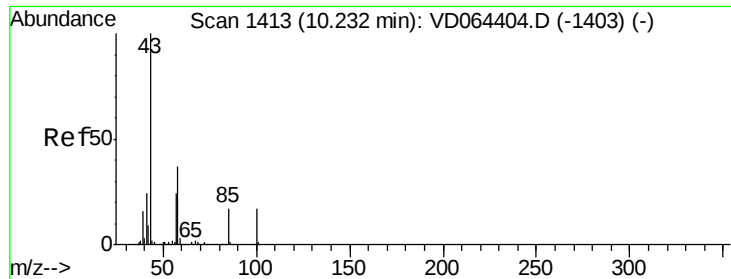


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC



Time--> 10.32 10.34 10.36





#51

4-Methyl-2-Pentanone

Concen: 54.424 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Instrument :

MSVOA_D

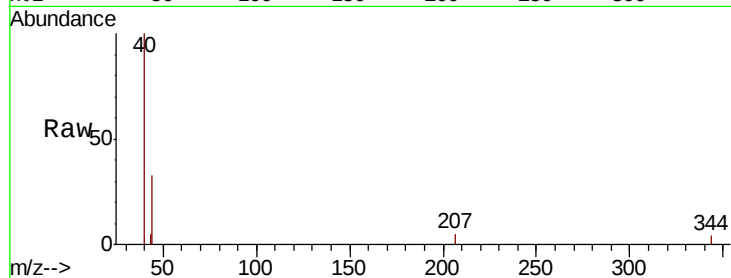
ClientSampleId :

Tot Ion: 43 Resp: 68

Ion Ratio Lower Upper

43 100

58 0.0 30.6 46.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

200

150

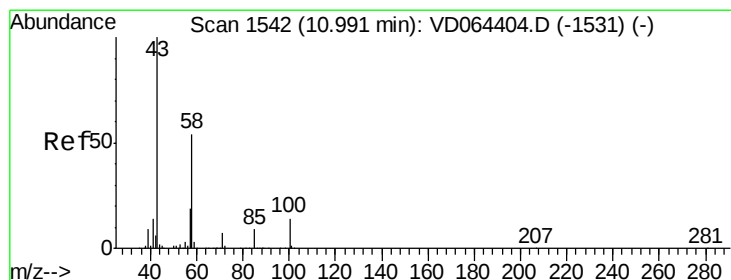
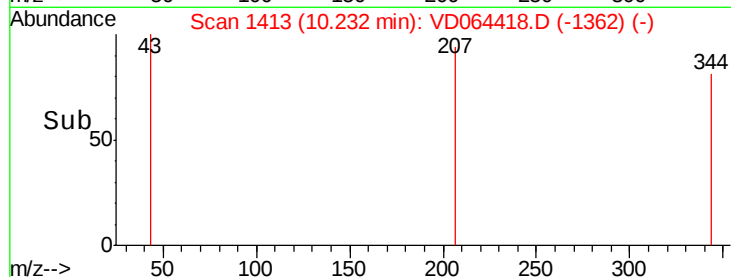
100

50

0

10.22 10.24

Time-->



#59

2-Hexanone

Concen: 146.485 ug/l

RT: 10.97 min Scan# 1538

Delta R.T. -0.02 min

Lab File: VD064418.D

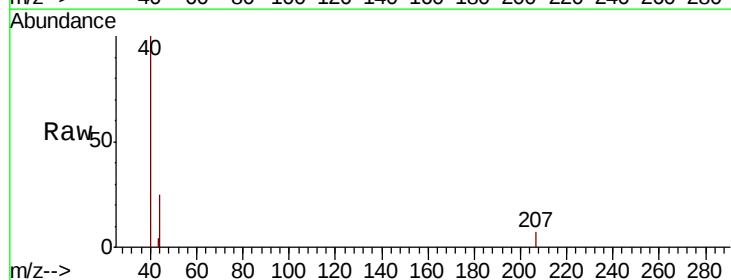
Acq: 04 Dec 2019 15:50

Tgt Ion: 43 Resp: 127

Ion Ratio Lower Upper

43 100

58 0.0 26.3 78.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.97

200

150

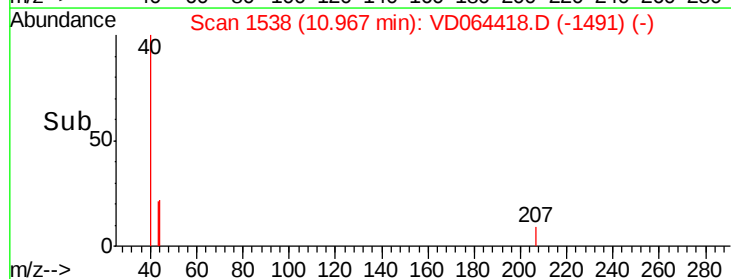
100

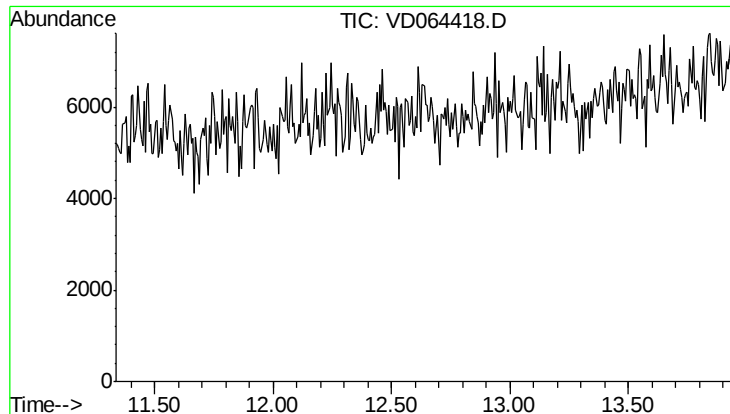
50

0

10.96 10.98

Time-->

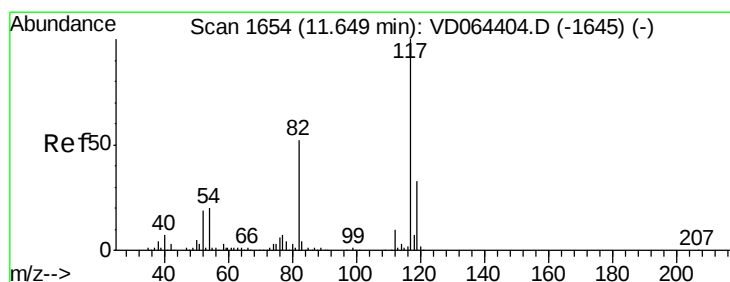
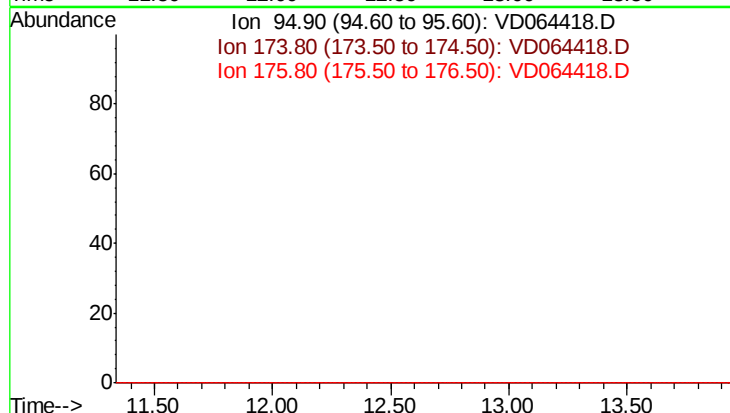




#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.64 min
 Lab File: VD064418.D
 Acq: 04 Dec 2019 15:50

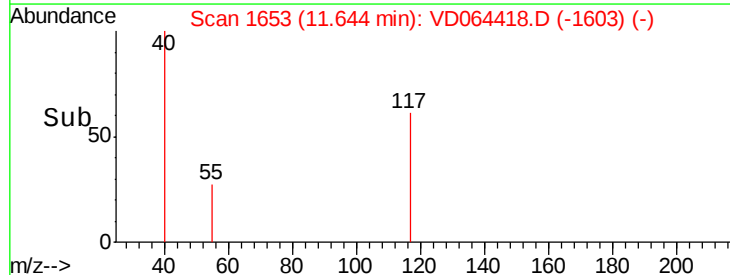
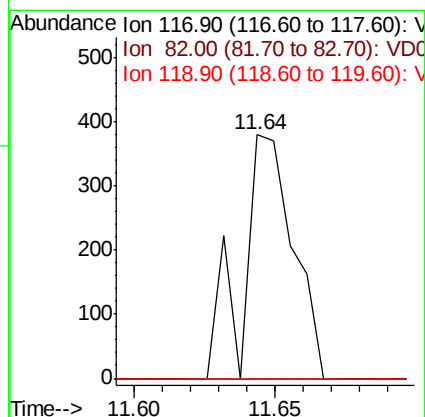
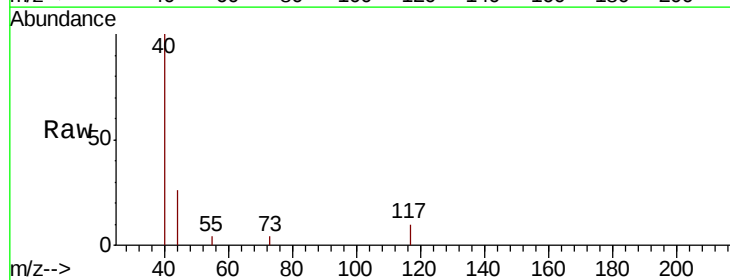
Instrument :
 MSVOA_D
 ClientSampleId :

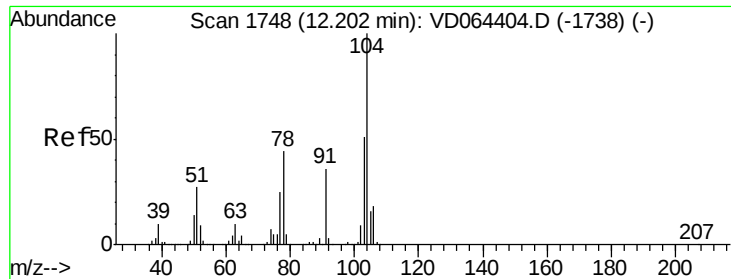
Tot Ion: 95
 Sig Exp Ratio
 95 100
 174 98.6
 176 94.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.64 min Scan# 1653
 Delta R.T. -0.01 min
 Lab File: VD064418.D
 Acq: 04 Dec 2019 15:50

Tgt Ion: 117 Resp: 473
 Ion Ratio Lower Upper
 117 100
 82 0.0 41.4 62.2#
 119 0.0 26.2 39.2#

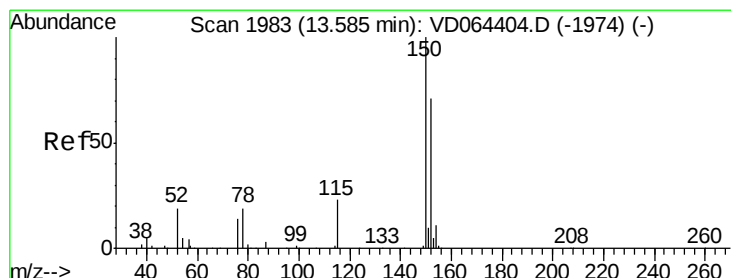
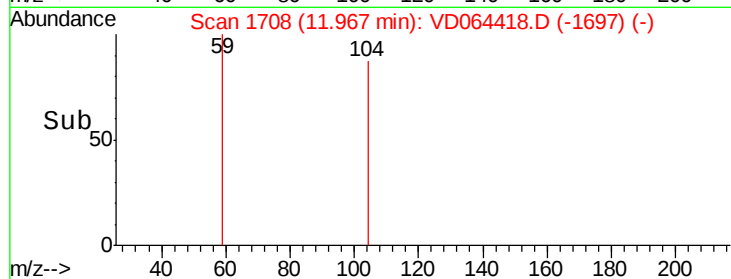
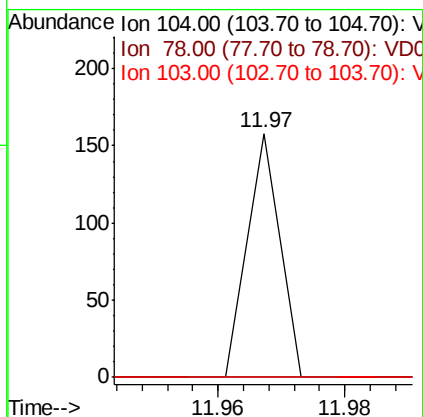
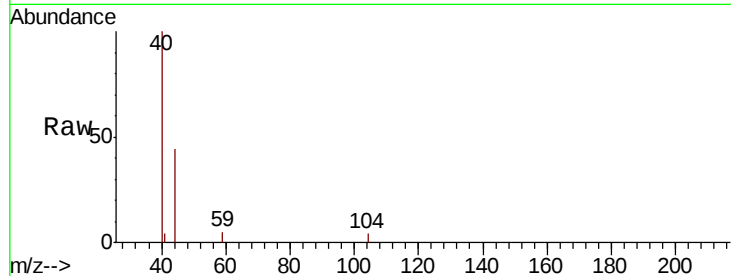




#70
Stvrene
Concen: 5.214 ug/l
RT: 11.97 min Scan# 1708
Delta R.T. -0.24 min
Lab File: VD064418.D
Acq: 04 Dec 2019 15:50

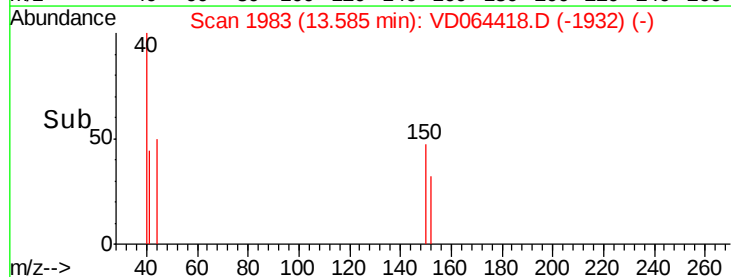
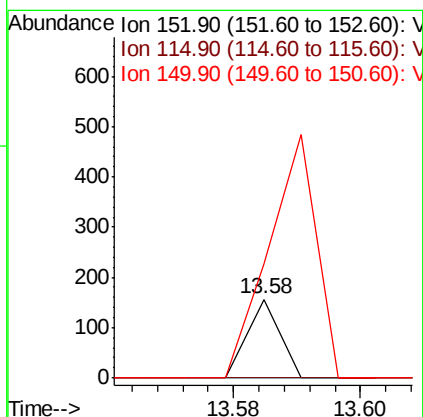
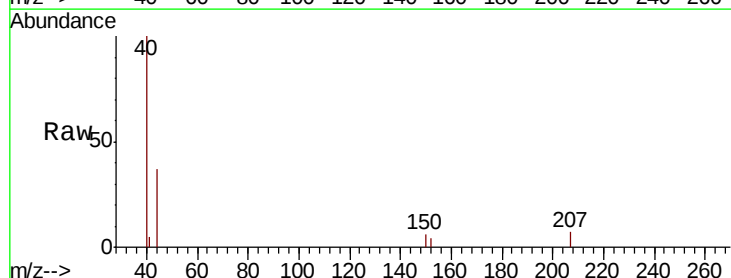
Instrument :
MSVOA_D
ClientSampleId :

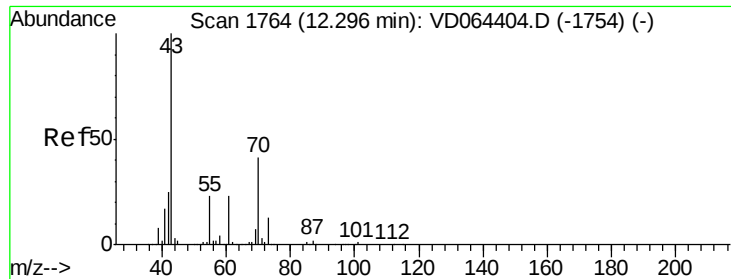
Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	38.8	58.2#
103	0.0	44.2	66.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064418.D
Acq: 04 Dec 2019 15:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	0.0	26.7	80.1#
150	456.4	0.0	347.2#





#74

N-amvl acetate

Concen: 333.040 ug/l

RT: 12.28 min Scan# 1761

Delta R.T. -0.02 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 299

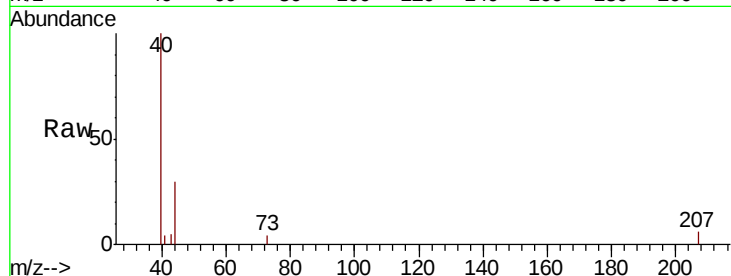
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.2#

55 26.1 18.9 28.3

61 0.0 18.5 27.7#

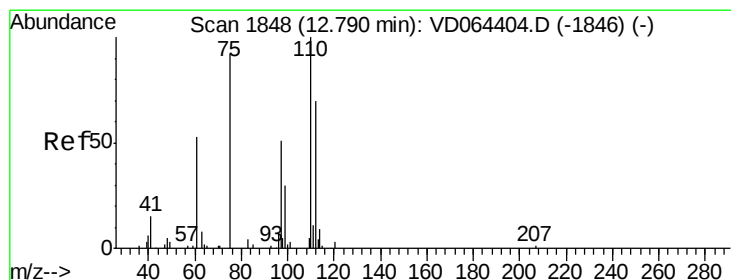
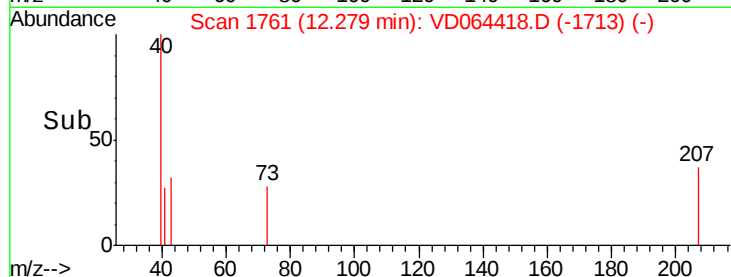
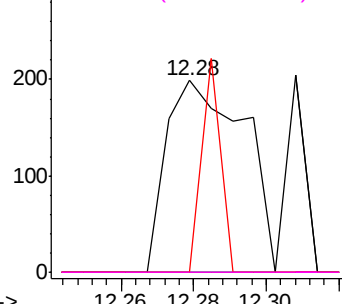


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 137.077 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD064418.D

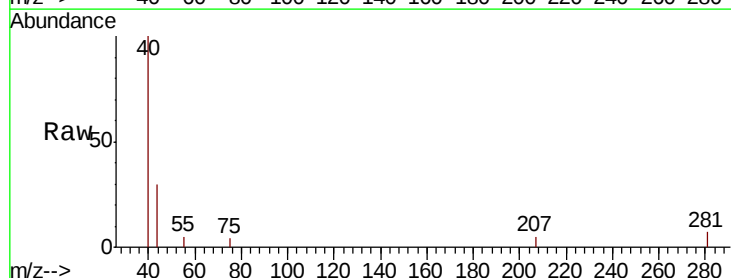
Acq: 04 Dec 2019 15:50

Tgt Ion: 75 Resp: 62

Ion Ratio Lower Upper

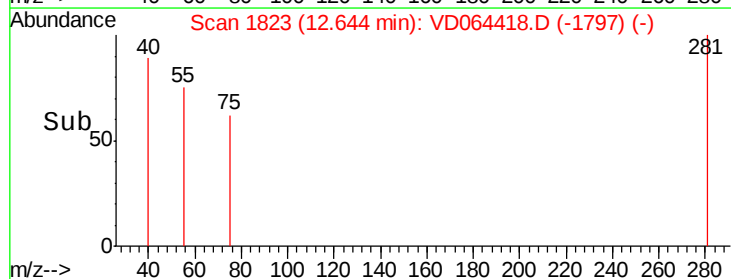
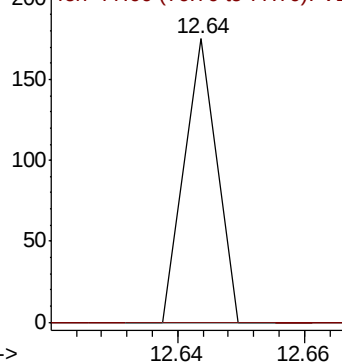
75 100

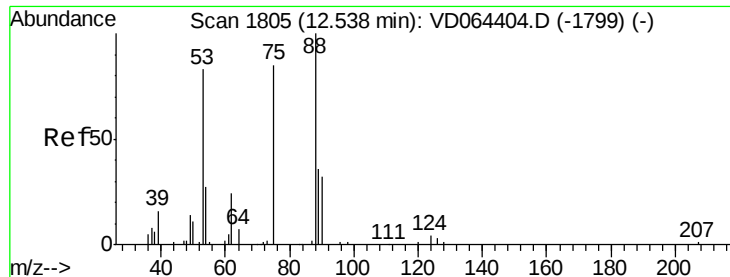
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 260.331 ug/l

RT: 12.57 min Scan# 1811

Delta R.T. 0.04 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

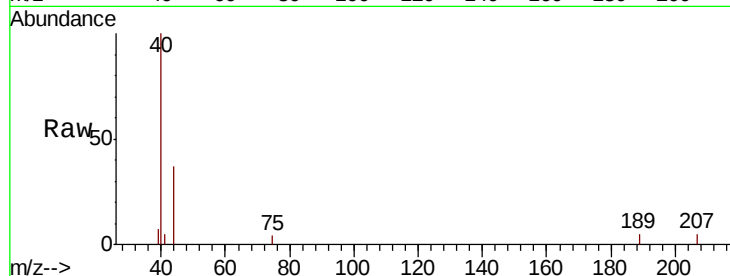
Tot Ion: 75 Resp: 54

Ion Ratio Lower Upper

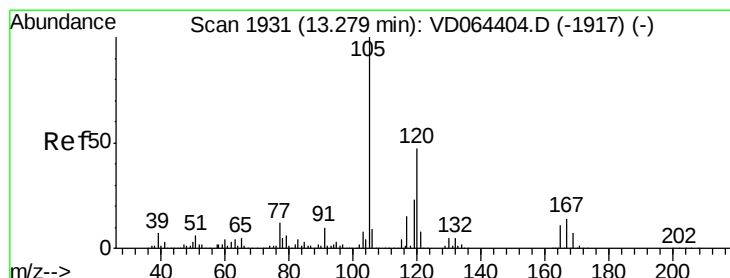
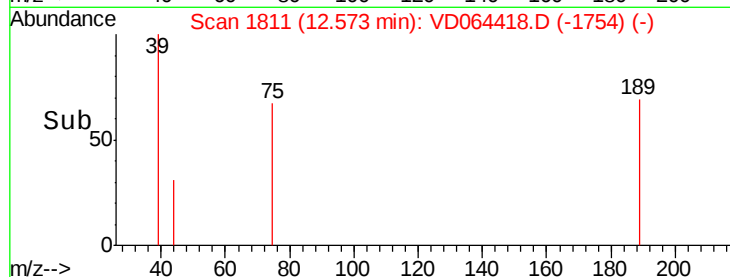
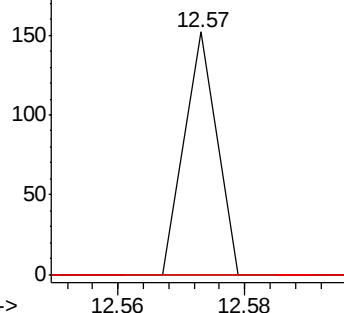
75 100

53 0.0 81.0 121.6#

89 0.0 38.5 57.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#84

1,2,4-Trimethylbenzene

Concen: 21.228 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064418.D

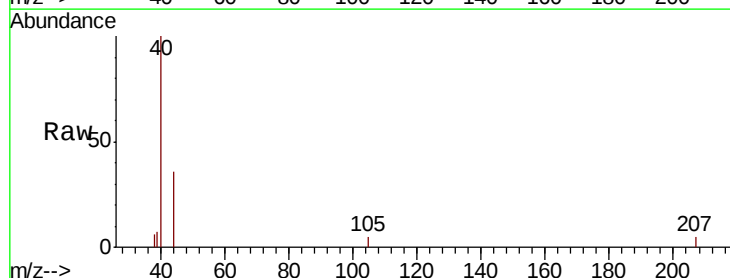
Acq: 04 Dec 2019 15:50

Tgt Ion: 105 Resp: 69

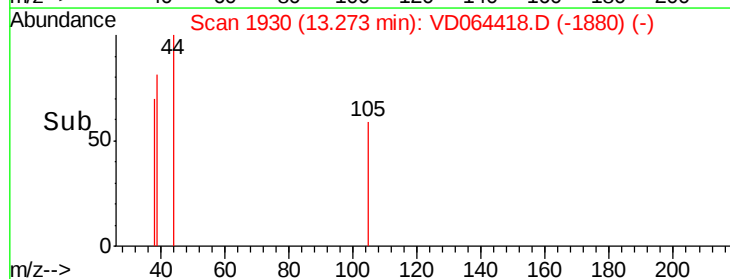
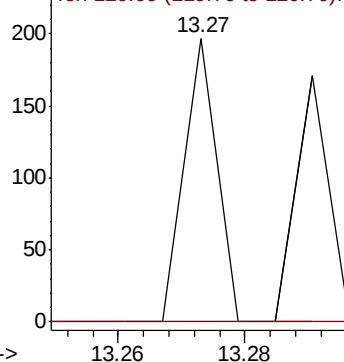
Ion Ratio Lower Upper

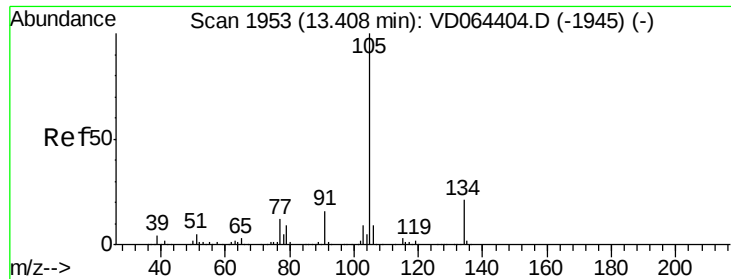
105 100

120 0.0 23.6 70.8#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 15.556 ug/l

RT: 13.29 min Scan# 1933

Delta R.T. -0.12 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Instrument :

MSVOA_D

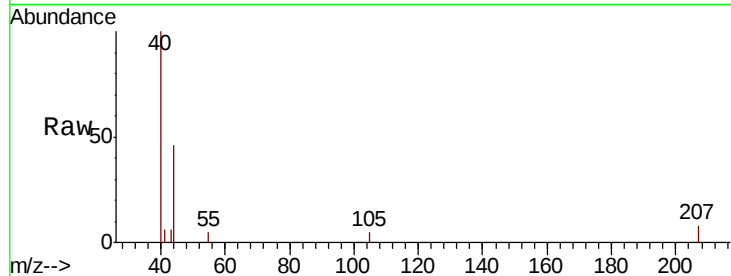
ClientSampled :

Tot Ion:105 Resp: 60

Ion Ratio Lower Upper

105 100

134 0.0 10.5 31.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.29

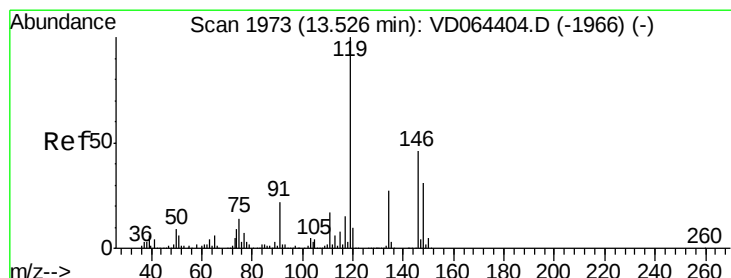
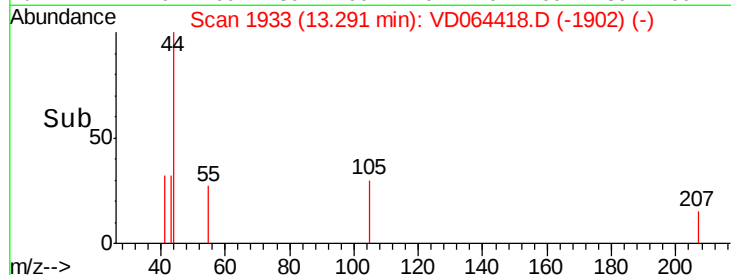
150

100

50

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.498 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

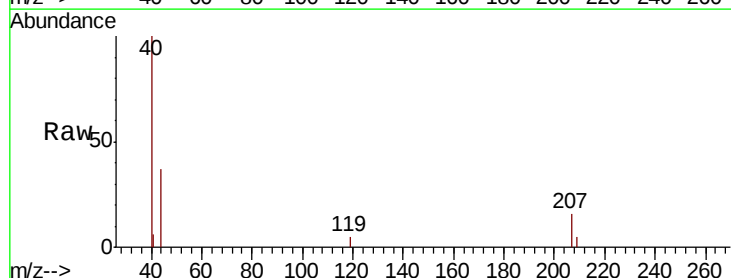
Tgt Ion:119 Resp: 71

Ion Ratio Lower Upper

119 100

134 0.0 13.5 40.4#

91 78.9 11.2 33.5#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.51

250

200

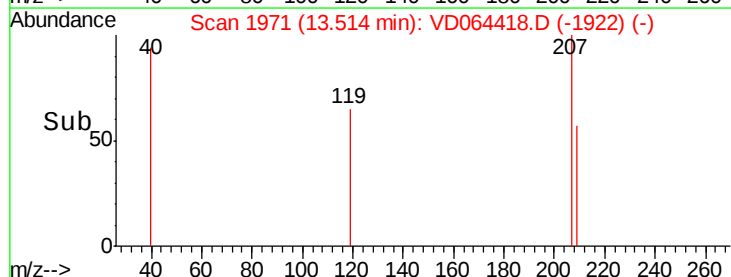
150

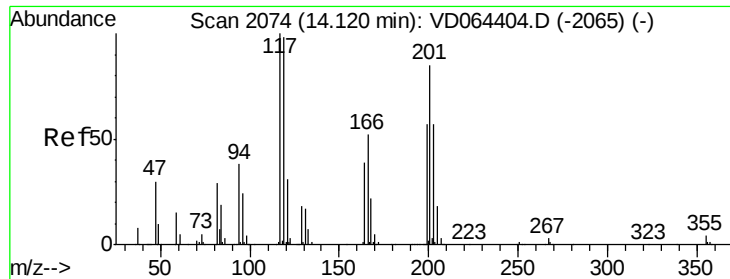
100

50

0

Time-->





#90

Hexachloroethane

Concen: 86.626 ug/l

RT: 13.93 min Scan# 2042

Delta R.T. -0.19 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

Instrument :

MSVOA_D

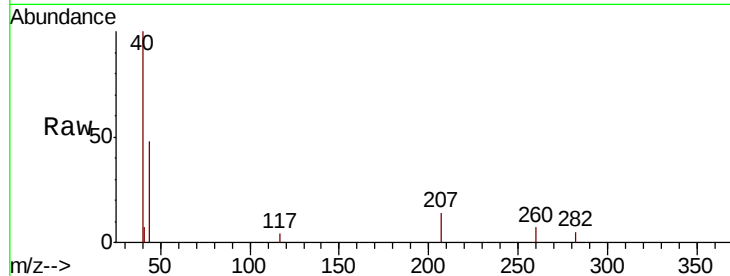
ClientSampleId :

Tot Ion:117 Resp: 59

Ion Ratio Lower Upper

117 100

201 0.0 44.3 132.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.93

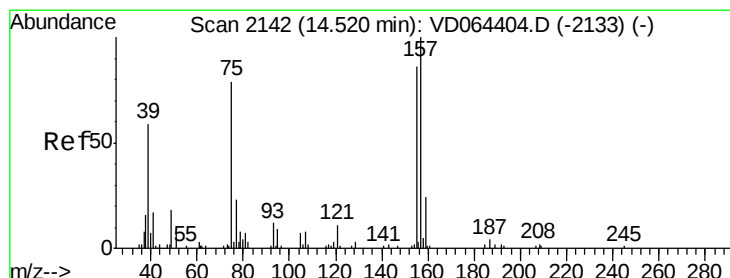
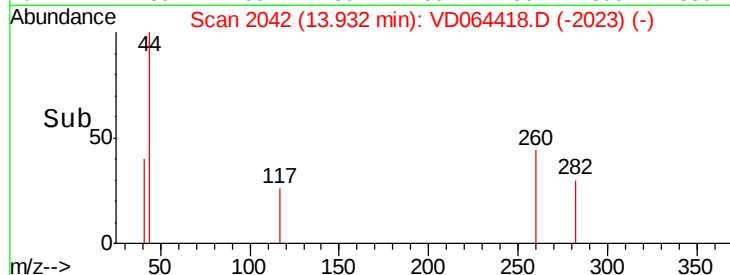
150

100

50

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 1138.984 ug/l

RT: 14.27 min Scan# 2099

Delta R.T. -0.25 min

Lab File: VD064418.D

Acq: 04 Dec 2019 15:50

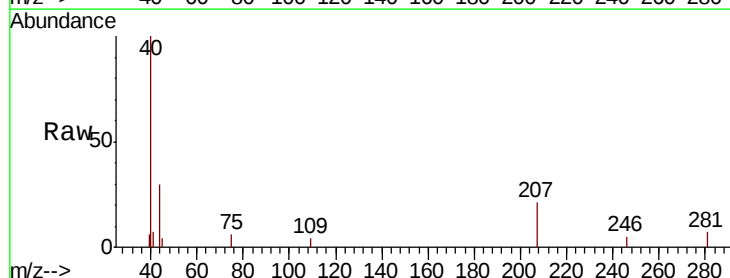
Tgt Ion: 75 Resp: 102

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

157 0.0 63.2 189.8#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.27

300

200

100

0

Time-->

