

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064565.D
 Acq On : 23 Dec 2019 13:41
 Operator : VA/SY
 Sample : K6396-03
 Misc : 5.14G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)

Quant Time: Dec 24 05:53:26 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	7.97	168	75	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	223	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.64	117	202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.82	152	66	50.00	ug/l	0.24

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	10.34	98	367	69.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.68%	
62) 4-Bromofluorobenzene	12.64	95	67	39.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.78%	

Target Compounds

						Qvalue
6) Chloroethane	2.95	64	57	86.170	ug/l #	44
14) Allyl chloride	4.74	41	110	104.265	ug/l #	63
15) Acrylonitrile	5.27	53	137	916.395	ug/l #	16
16) Acetone	4.17	43	54	393.632	ug/l #	47
17) Carbon Disulfide	4.41	76	71	33.161	ug/l #	73
18) Methyl Acetate	4.69	43	54	134.948	ug/l #	51
21) trans-1,2-Dichloroethene	5.57	96	61	79.773	ug/l #	1
22) Diisopropyl ether	6.36	45	90	43.213	ug/l #	36
23) Vinyl Acetate	6.18	43	64	52.125	ug/l #	71
24) 1,1-Dichloroethane	6.43	63	54	43.113	ug/l #	81
25) 2-Butanone	7.15	43	65	335.040	ug/l #	49
29) Tetrahydrofuran	7.57	42	57	461.794	ug/l #	33
32) 1,1,1-Trichloroethane	7.79	97	63	52.386	ug/l #	24
37) Ethyl Acetate	7.15	43	65	72.625	ug/l #	69
41) Methacrylonitrile	7.54	41	128	249.381	ug/l #	50
42) 1,2-Dichloroethane	8.21	62	55	32.193	ug/l #	72
43) Isopropyl Acetate	8.46	43	56	31.823	ug/l #	51
45) 1,2-Dichloropropane	9.56	63	55	39.256	ug/l #	43
48) Methyl methacrylate	9.45	41	119	147.780	ug/l #	1
51) 4-Methyl-2-Pentanone	10.24	43	67	76.949	ug/l #	37
58) 2-Chloroethyl Vinyl ether	10.06	63	56	101.721	ug/l #	44
59) 2-Hexanone	10.96	43	61	100.964	ug/l #	26
67) Ethyl Benzene	11.74	91	73	9.739	ug/l #	42
68) m/p-Xylenes	11.70	106	71	24.841	ug/l #	1
70) Styrene	12.18	104	111	24.198	ug/l #	26
74) N-amyl acetate	12.27	43	158	146.657	ug/l #	43
76) 1,2,3-Trichloropropane	12.63	75	66	121.600	ug/l #	100
78) n-propylbenzene	12.83	91	232	42.360	ug/l #	51
79) 2-Chlorotoluene	12.91	91	129	42.805	ug/l #	39
81) trans-1,4-Dichloro-2-buten	12.63	75	66	265.152	ug/l #	9
82) 4-Chlorotoluene	13.11	91	66	20.685	ug/l #	38
84) 1,2,4-Trimethylbenzene	13.41	105	115	29.483	ug/l #	29
85) sec-Butylbenzene	13.41	105	115	24.846	ug/l #	55
86) p-Isopropyltoluene	13.53	119	225	51.491	ug/l #	50

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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

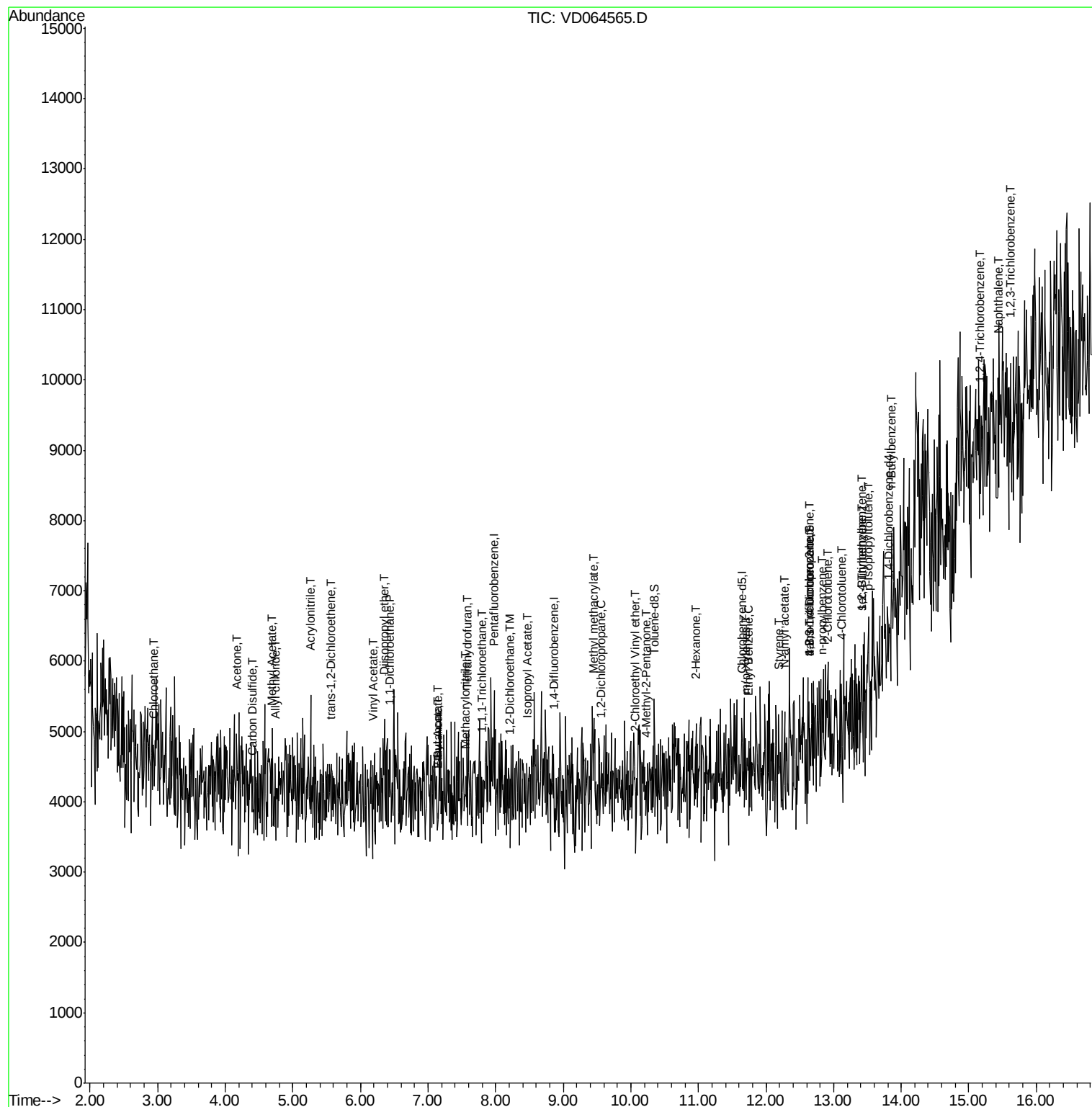
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.86	91	199	50.148	ug/l #	63
93) 1,2,4-Trichlorobenzene	15.17	180	93	63.867	ug/l #	12
95) Naphthalene	15.43	128	61	25.101	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.61	180	58	46.662	ug/l #	12

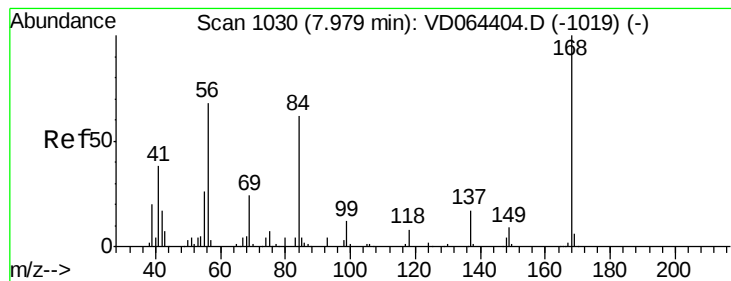
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

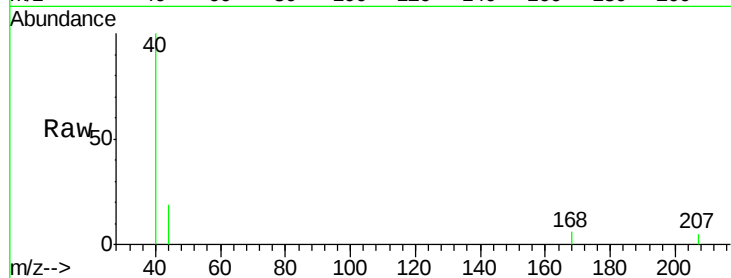
SB-2-(4-5)

Tot Ion:168 Resp: 75

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

7.97

207

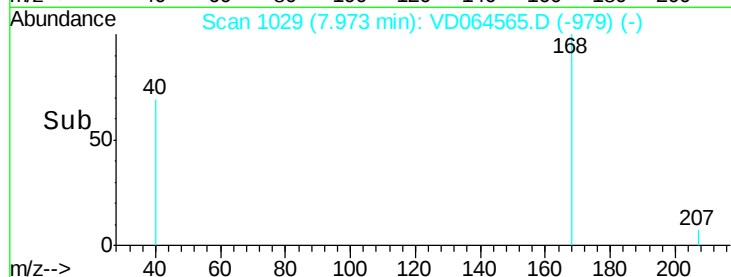
150

100

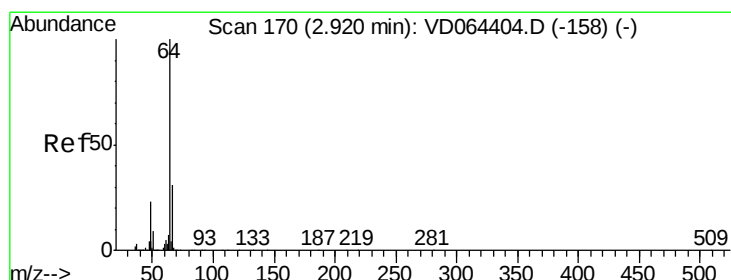
50

0

7.95 7.96 7.97 7.98 7.99



Time-->



#6

Chloroethane

Concen: 86.170 ug/l

RT: 2.95 min Scan# 175

Delta R.T. 0.03 min

Lab File: VD064565.D

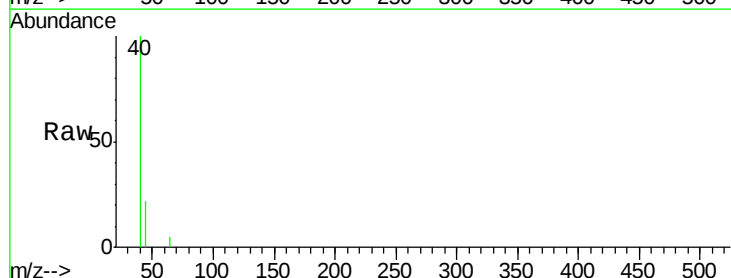
Acq: 23 Dec 2019 13:41

Tgt Ion: 64 Resp: 57

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

2.95

200

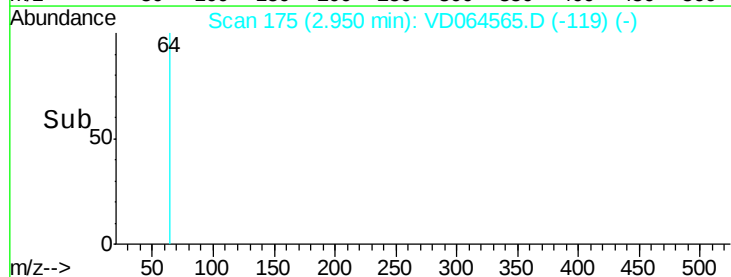
150

100

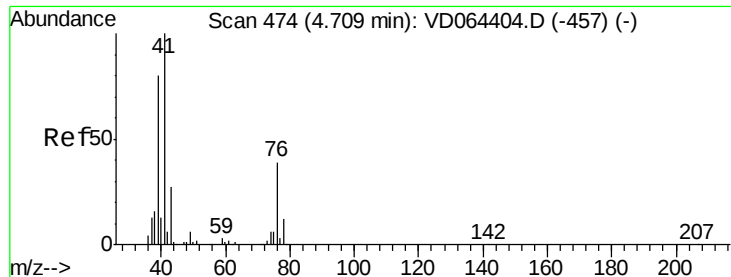
50

0

2.93 2.94 2.95 2.96 2.97



Time-->



#14

Allvl chloride

Concen: 104.265 ug/l

RT: 4.74 min Scan# 479

Delta R.T. 0.03 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)

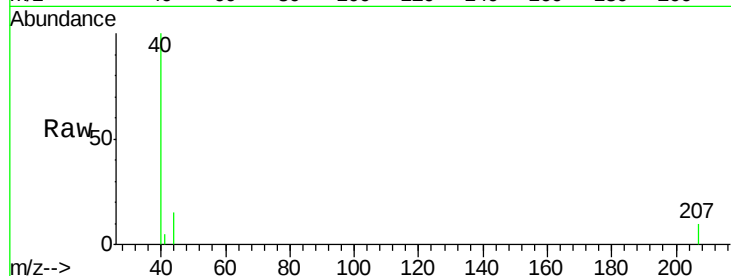
Tot Ion: 41 Resp: 110

Ion Ratio Lower Upper

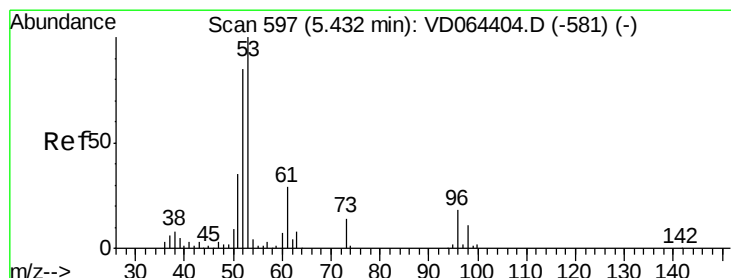
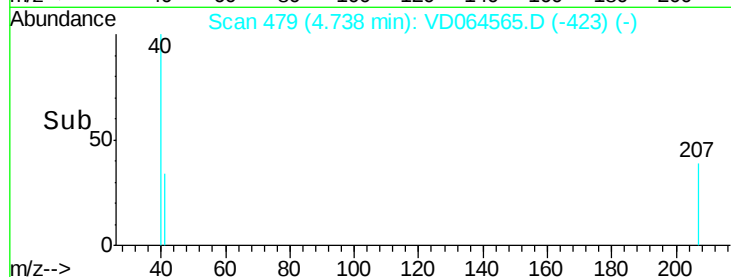
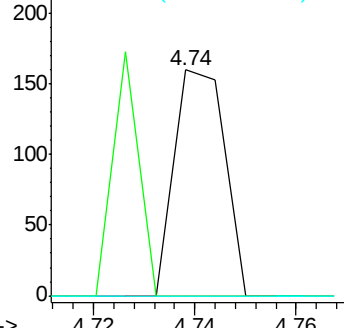
41 100

39 55.5 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



#15

Acrylonitrile

Concen: 916.395 ug/l

RT: 5.27 min Scan# 569

Delta R.T. -0.16 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

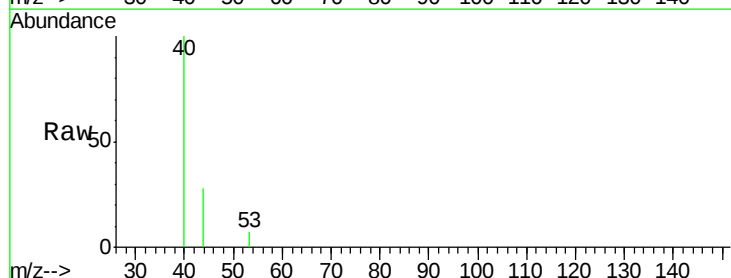
Tgt Ion: 53 Resp: 137

Ion Ratio Lower Upper

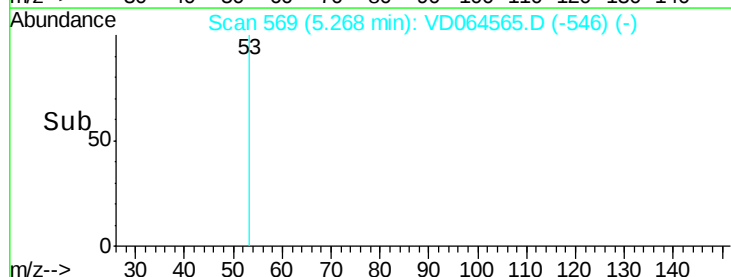
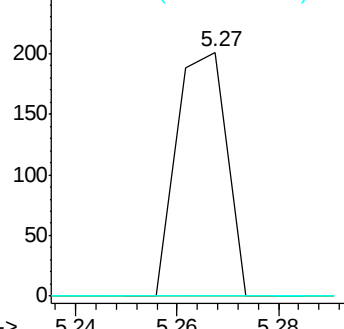
53 100

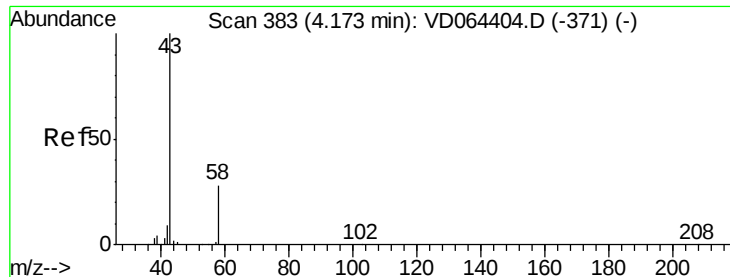
52 0.0 67.9 101.9#

51 0.0 30.6 45.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 393.632 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

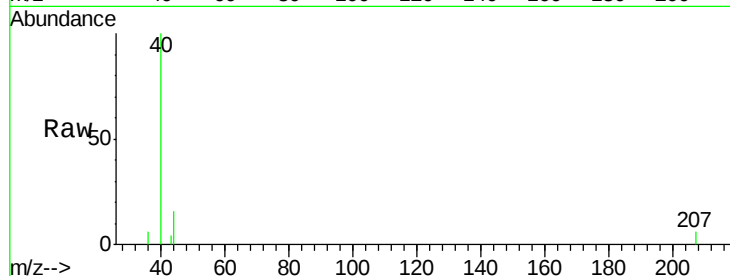
SB-2-(4-5)

Tot Ion: 43 Resp: 54

Ion Ratio Lower Upper

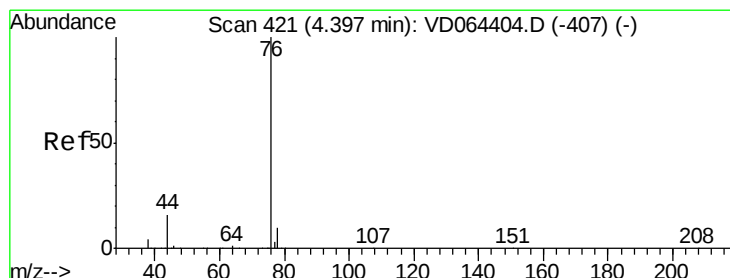
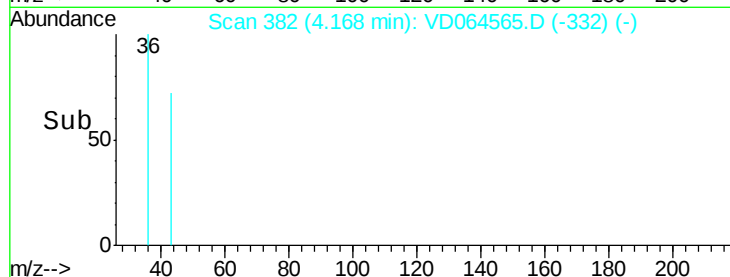
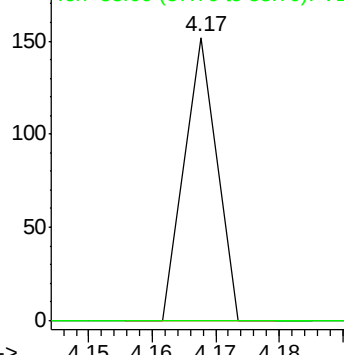
43 100

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



#17

Carbon Disulfide

Concen: 33.161 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.02 min

Lab File: VD064565.D

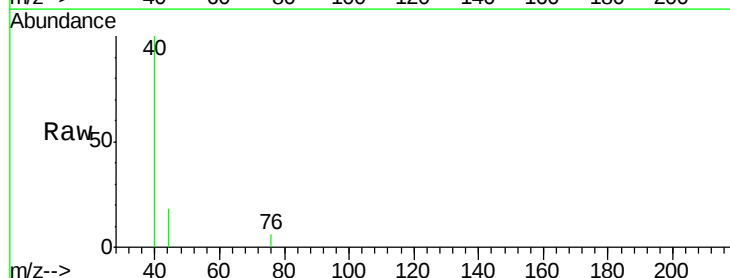
Acq: 23 Dec 2019 13:41

Tgt Ion: 76 Resp: 71

Ion Ratio Lower Upper

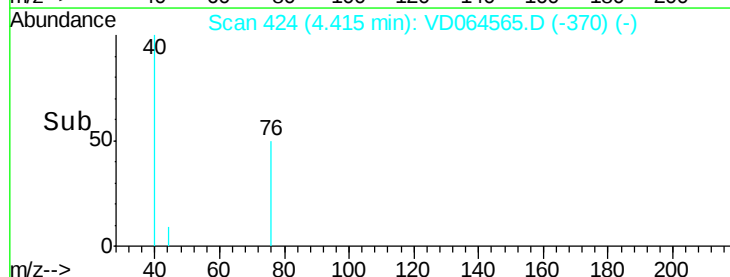
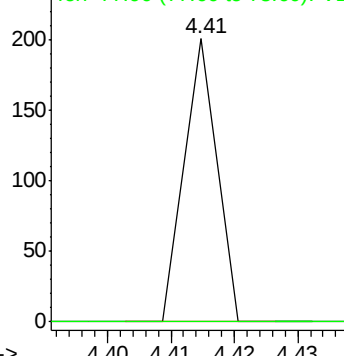
76 100

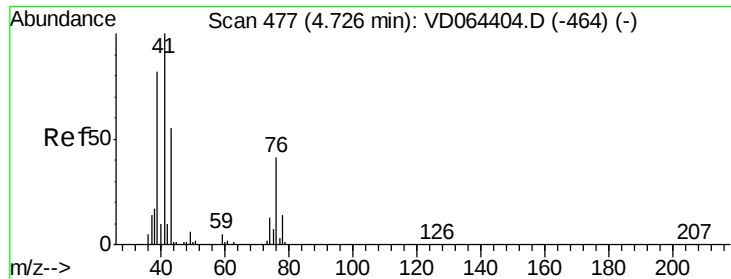
78 0.0 7.8 11.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

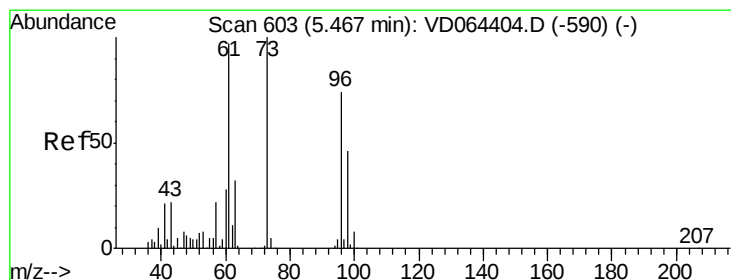
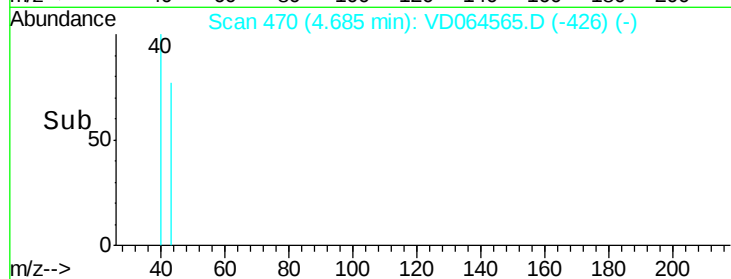
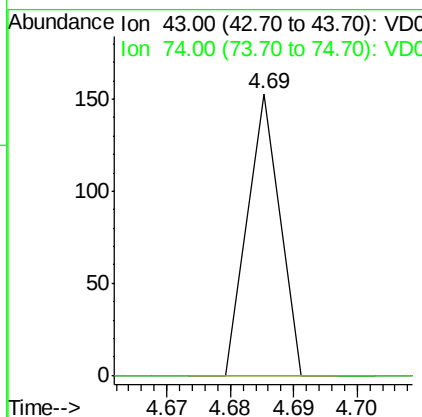
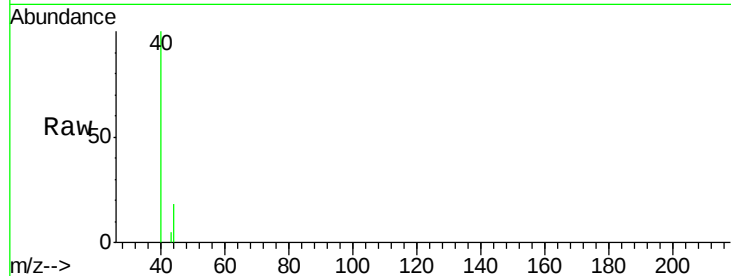




#18
Methvl Acetate
Concen: 134.948 ug/l
RT: 4.69 min Scan# 470
Delta R.T. -0.04 min
Lab File: VD064565.D
Acq: 23 Dec 2019 13:41

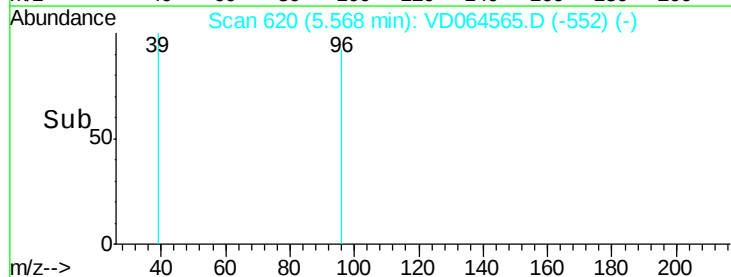
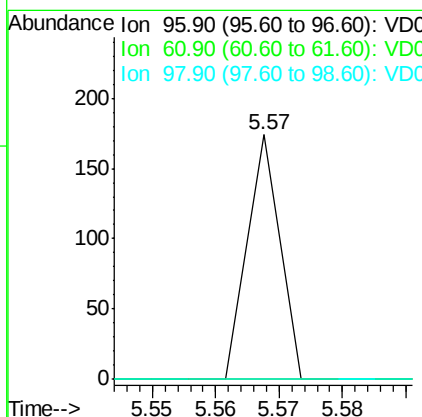
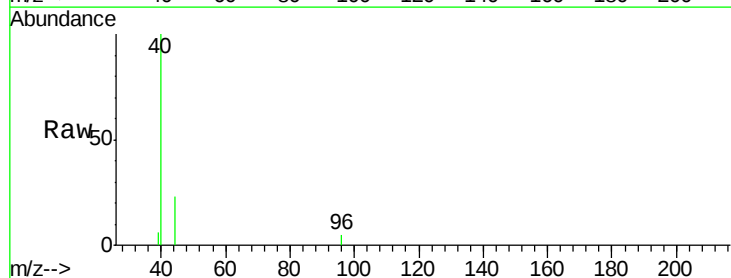
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)

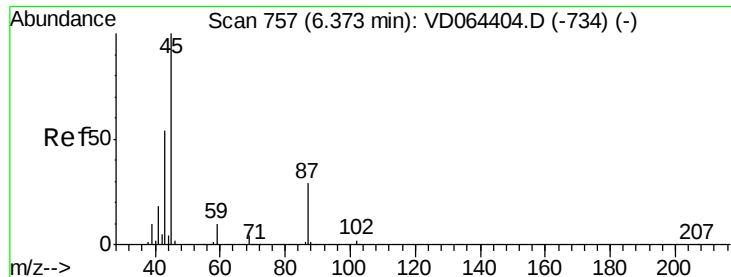
Tot Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 19.7 29.5#



#21
trans-1,2-Dichloroethene
Concen: 79.773 ug/l
RT: 5.57 min Scan# 620
Delta R.T. 0.10 min
Lab File: VD064565.D
Acq: 23 Dec 2019 13:41

Tgt Ion: 96 Resp: 61
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.6#
98 0.0 50.1 75.1#





#22

Diisopropyl ether

Concen: 43.213 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Instrument :

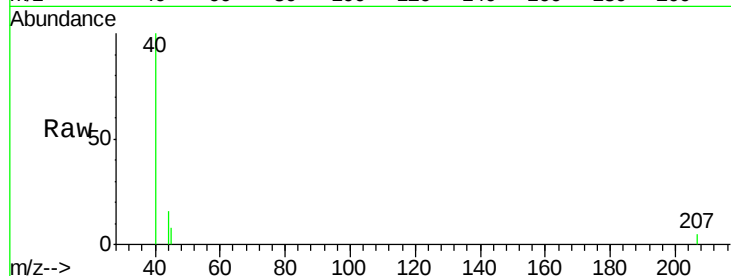
MSVOA_D

ClientSampleId :

SB-2-(4-5)

Tot Ion: 45 Resp: 90

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#

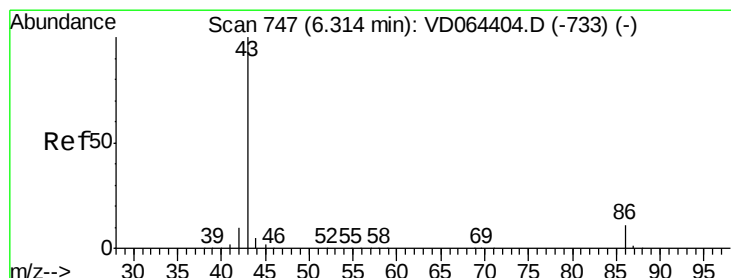
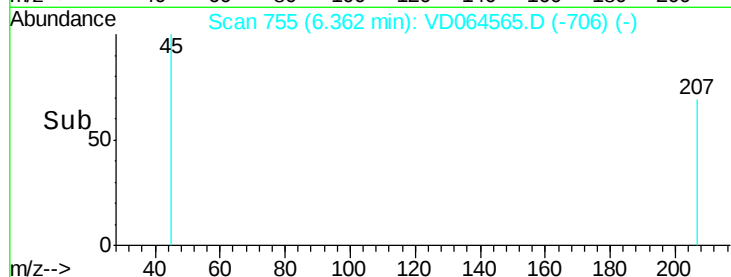
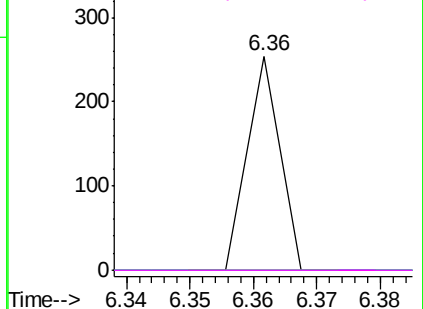


Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC



#23

Vinyl Acetate

Concen: 52.125 ug/l

RT: 6.18 min Scan# 724

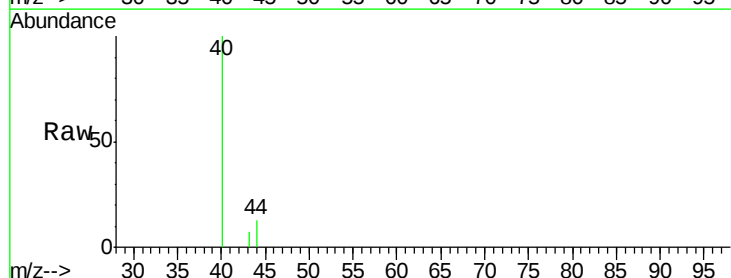
Delta R.T. -0.14 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

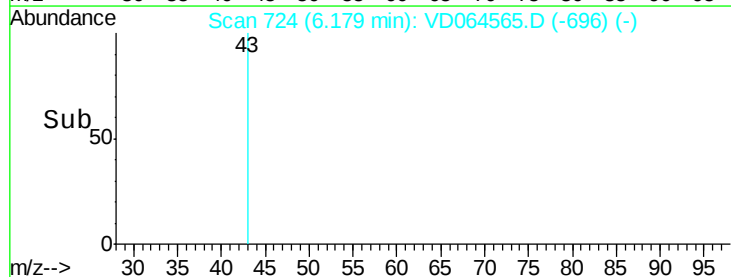
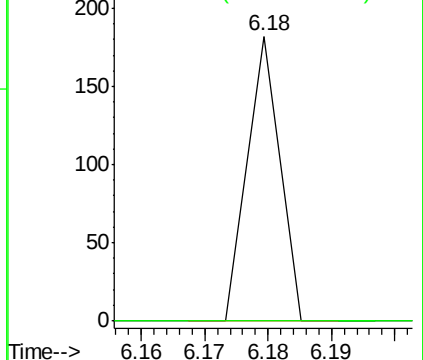
Tgt Ion: 43 Resp: 64

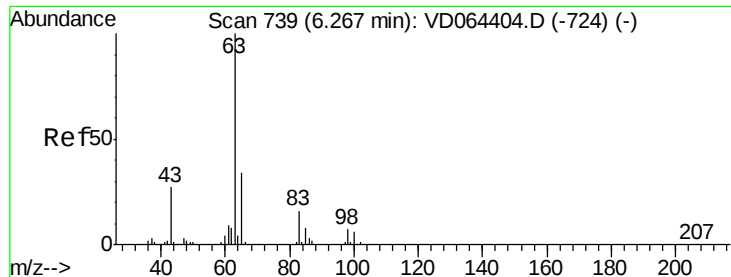
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.9	13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 43.113 ug/l

RT: 6.43 min Scan# 766

Delta R.T. 0.16 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)

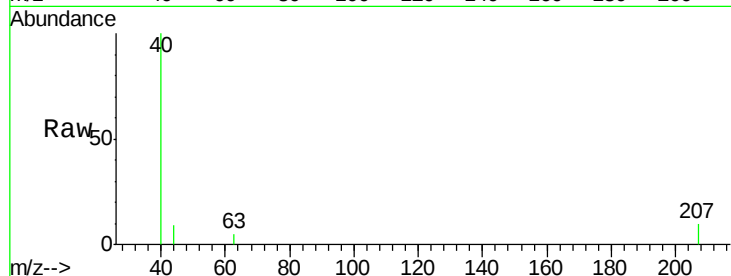
Tot Ion: 63 Resp: 54

Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.9#

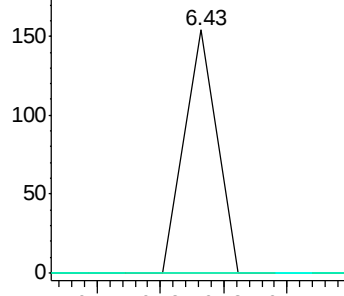
100 0.0 2.9 8.6#



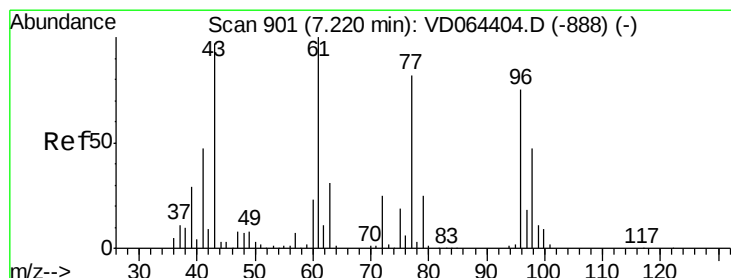
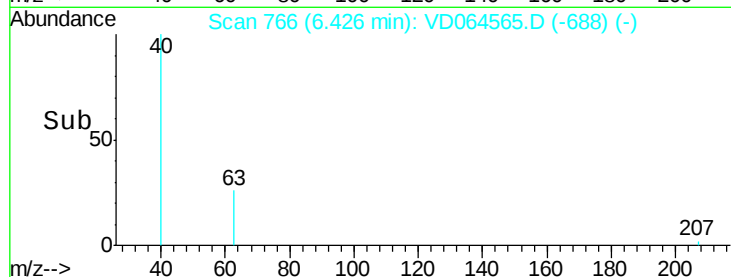
Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->



#25

2-Butanone

Concen: 335.040 ug/l

RT: 7.15 min Scan# 889

Delta R.T. -0.07 min

Lab File: VD064565.D

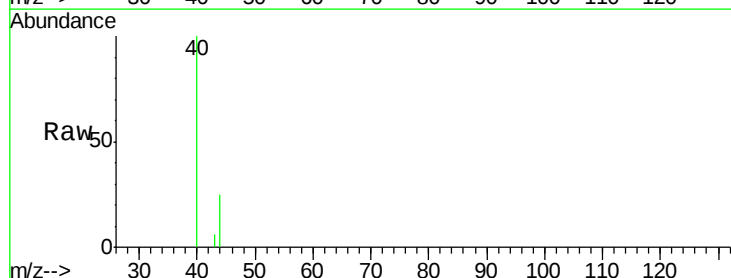
Acq: 23 Dec 2019 13:41

Tgt Ion: 43 Resp: 65

Ion Ratio Lower Upper

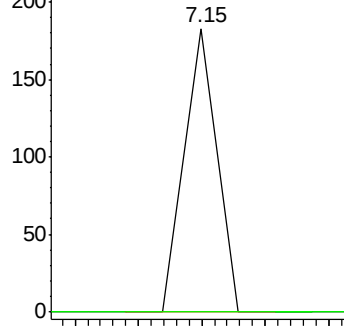
43 100

72 0.0 21.0 31.4#

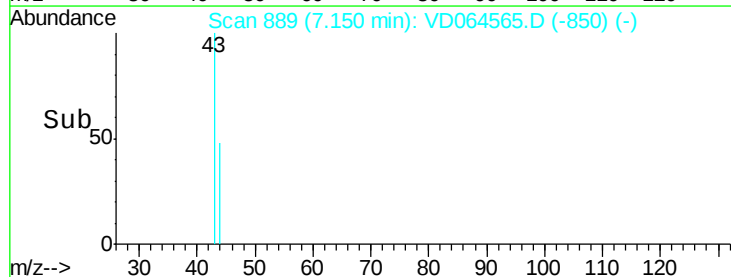


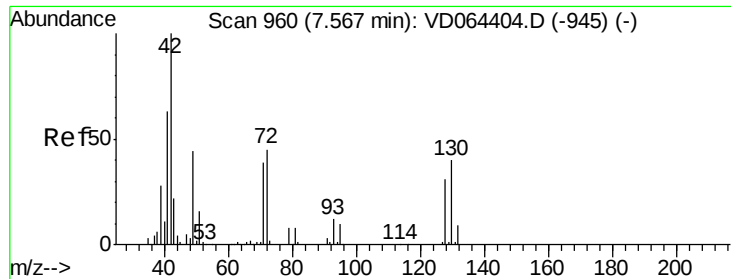
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->

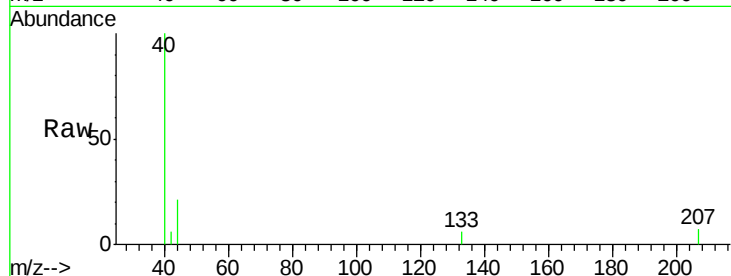




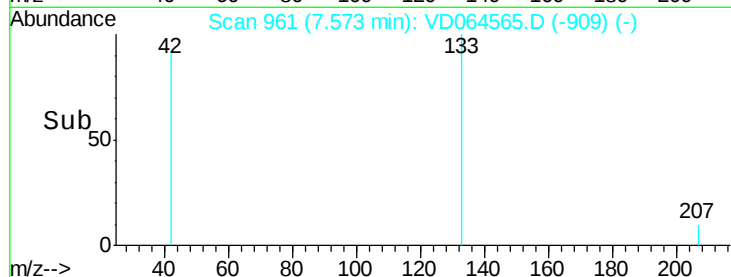
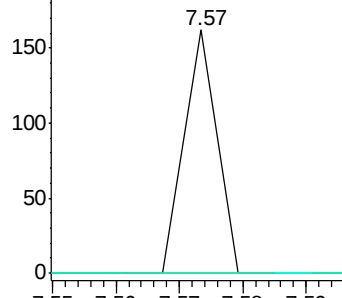
#29
Tetrahydrofuran
Concen: 461.794 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064565.D
Acq: 23 Dec 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)

Tot Ion: 42 Resp: 57
Ion Ratio Lower Upper
42 100
72 0.0 35.8 53.8#
71 0.0 32.7 49.1#

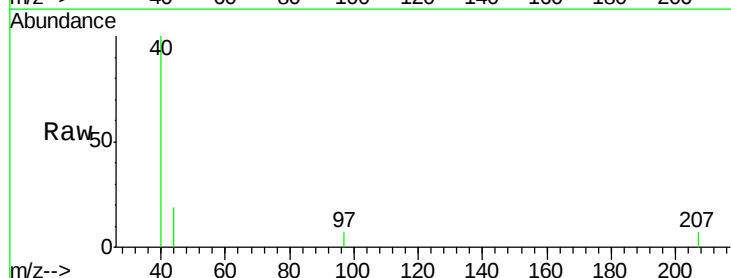
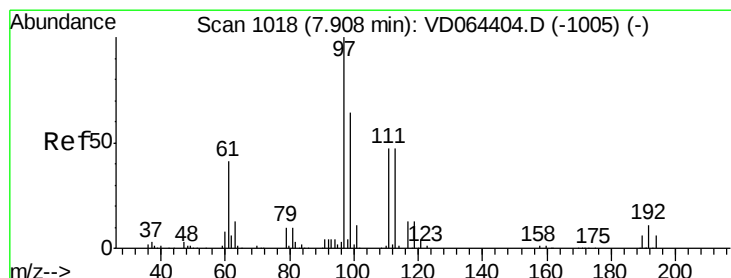


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

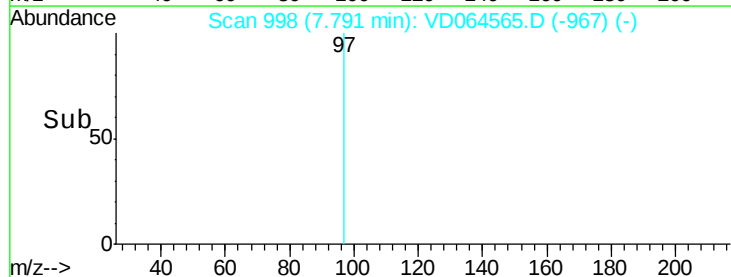
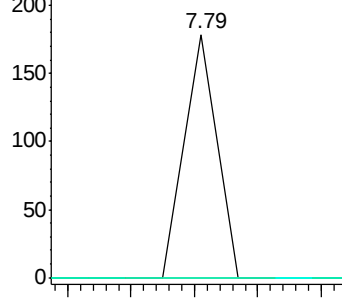


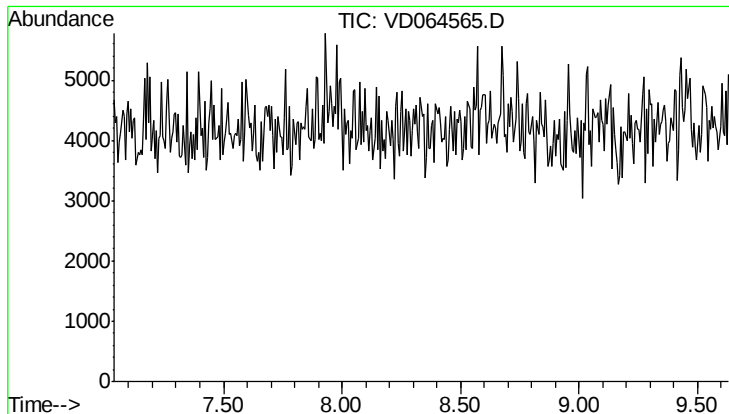
#32
1,1,1-Trichloroethane
Concen: 52.386 ug/l
RT: 7.79 min Scan# 998
Delta R.T. -0.12 min
Lab File: VD064565.D
Acq: 23 Dec 2019 13:41

Tgt Ion: 97 Resp: 63
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.2#
61 0.0 35.0 52.4#



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.34 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Tot Ion: 65

Sig Exp Ratio

65 100

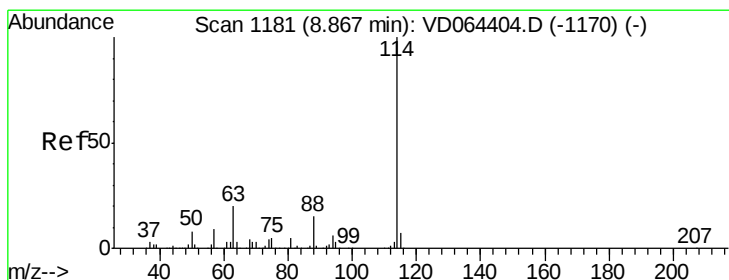
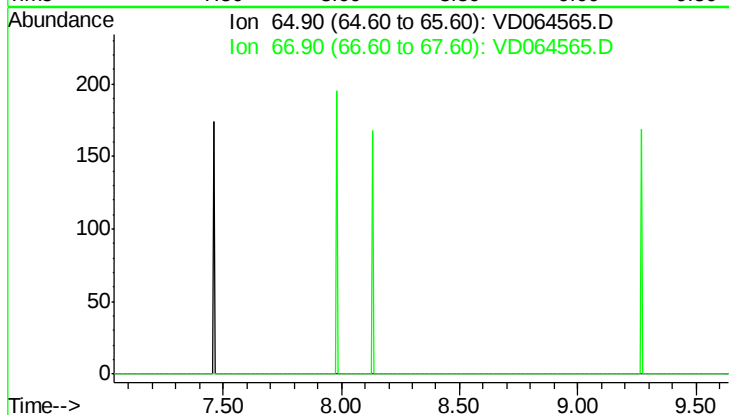
67 51.0

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

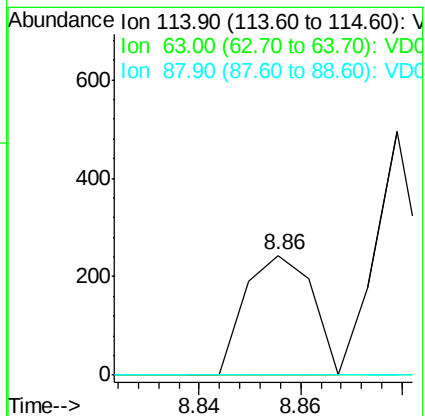
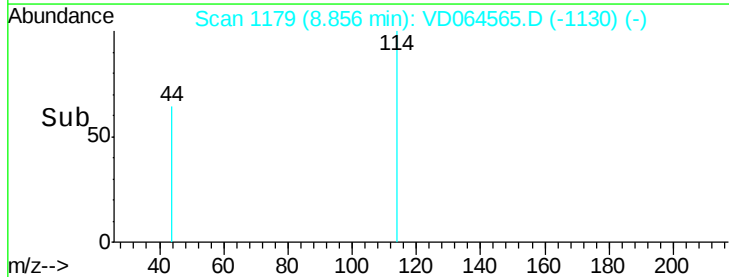
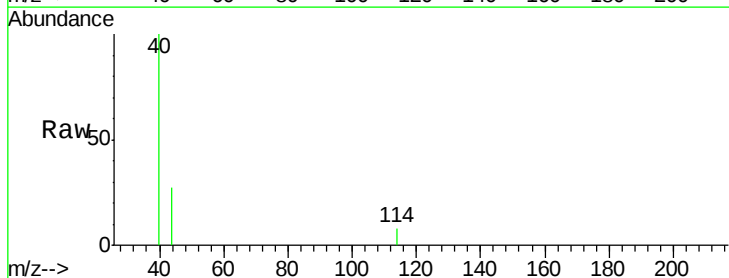
Tgt Ion:114 Resp: 223

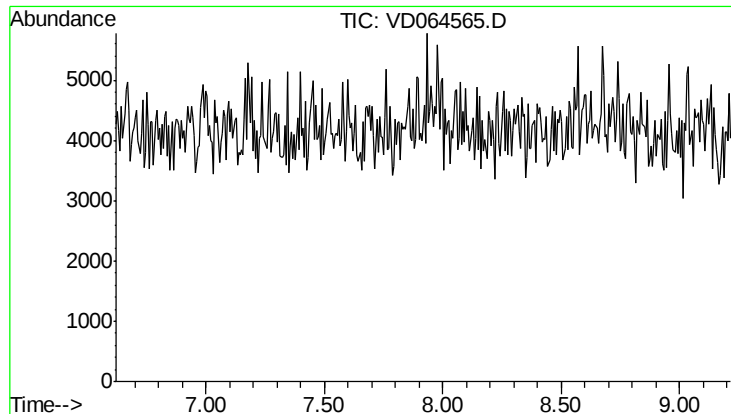
Ion Ratio Lower Upper

114 100

63 0.0 0.0 40.0

88 0.0 0.0 29.2





#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.92 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)

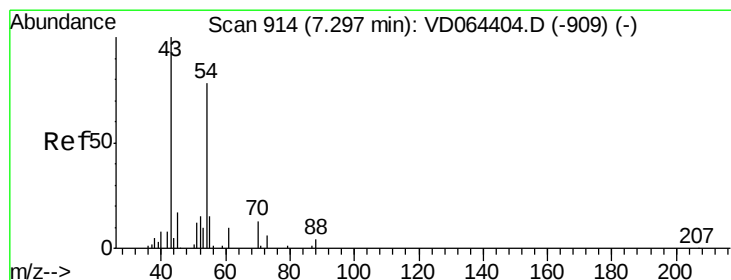
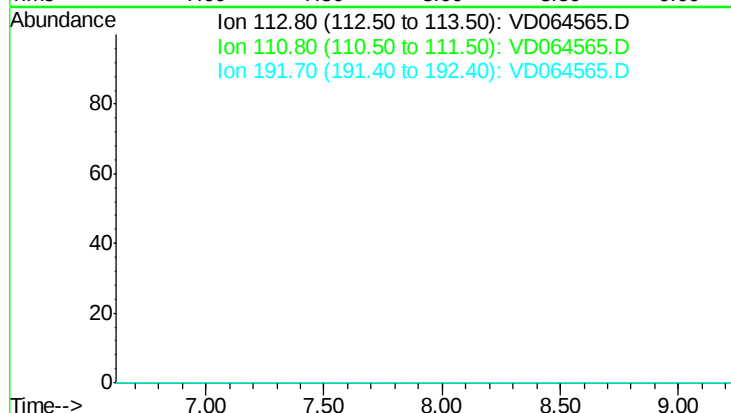
Tot Ion: 113

Sig Exp Ratio

113 100

111 99.3

192 23.3



#37

Ethyl Acetate

Concen: 72.625 ug/l

RT: 7.15 min Scan# 889

Delta R.T. -0.15 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

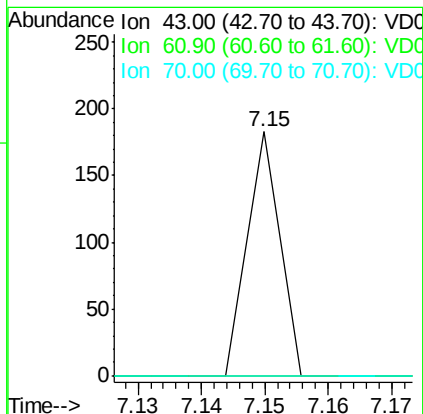
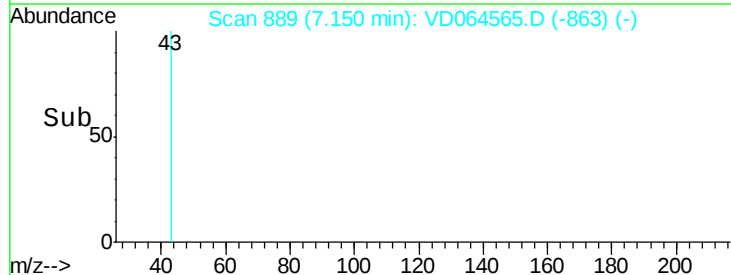
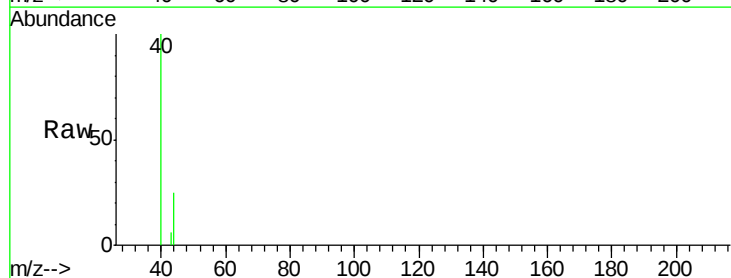
Tgt Ion: 43 Resp: 65

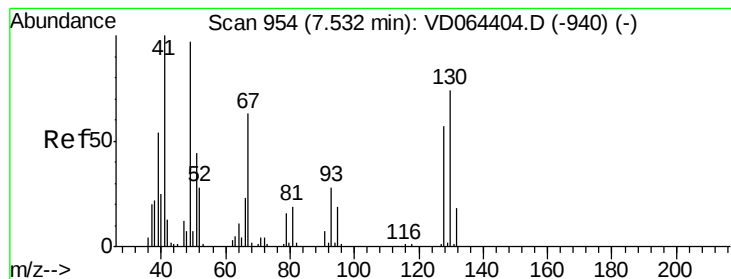
Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

70 0.0 8.3 12.5#





#41

Methacrylonitrile

Concen: 249.381 ug/l

RT: 7.54 min Scan# 956

Delta R.T. 0.01 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)

Tot Ion: 41 Resp: 128

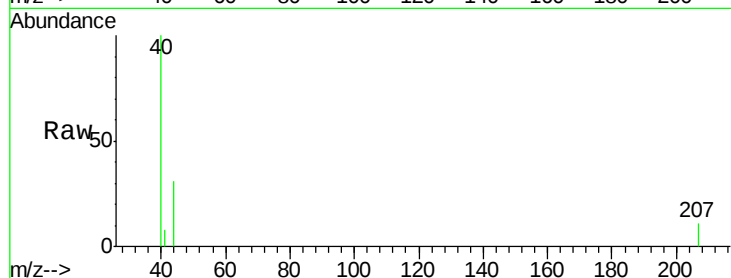
Ion Ratio Lower Upper

41 100

39 46.1 44.6 67.0

67 0.0 50.9 76.3#

52 0.0 22.5 33.7#

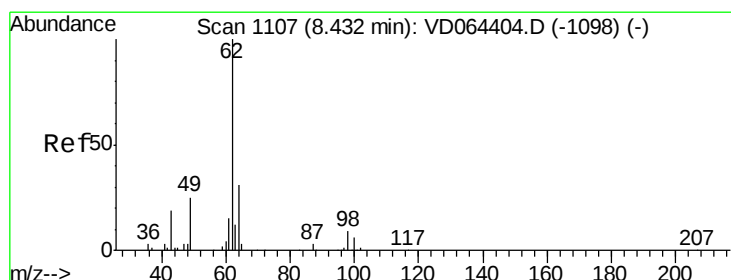
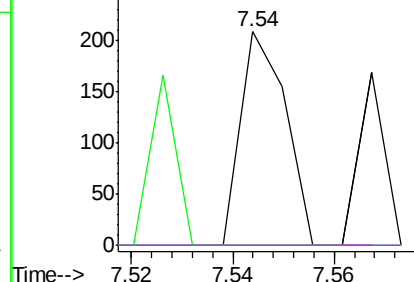
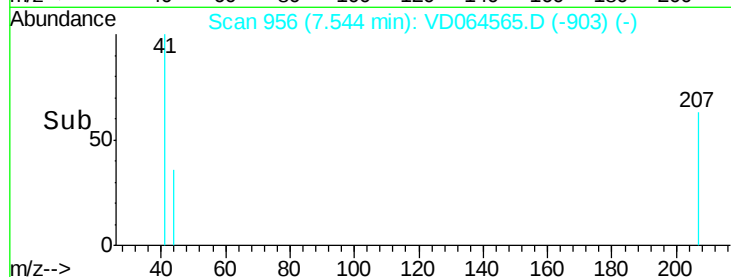


Abundance Ion 41.00 (40.70 to 41.70): VDC

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



#42

1,2-Dichloroethane

Concen: 32.193 ug/l

RT: 8.21 min Scan# 1069

Delta R.T. -0.22 min

Lab File: VD064565.D

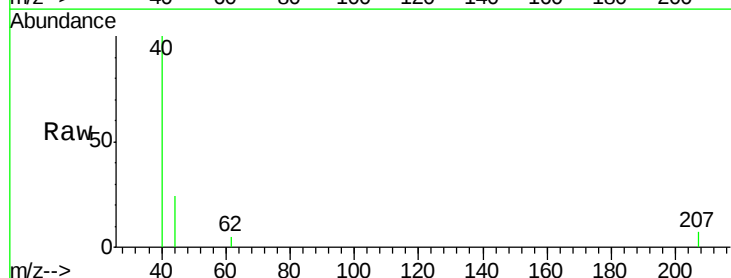
Acq: 23 Dec 2019 13:41

Tgt Ion: 62 Resp: 55

Ion Ratio Lower Upper

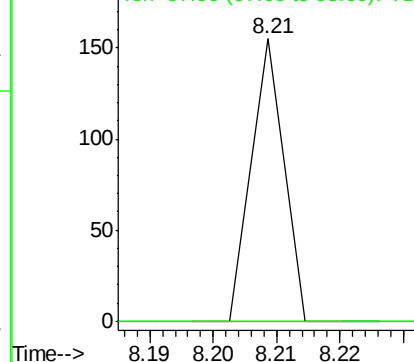
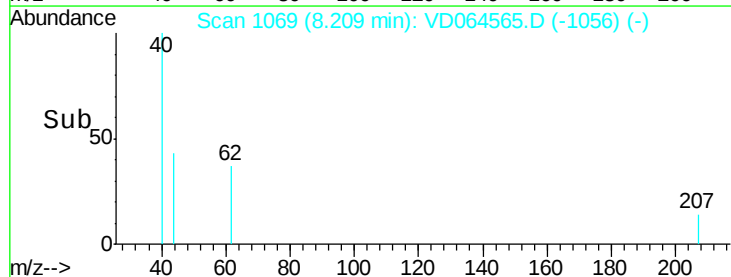
62 100

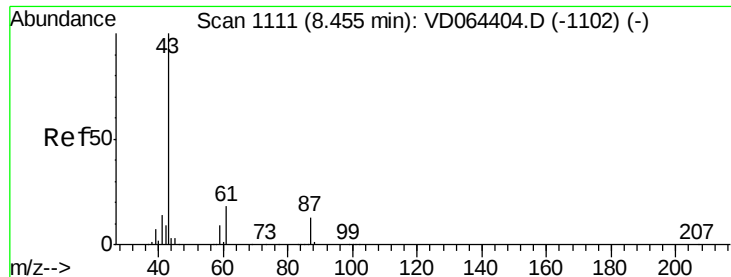
98 0.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 31.823 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)

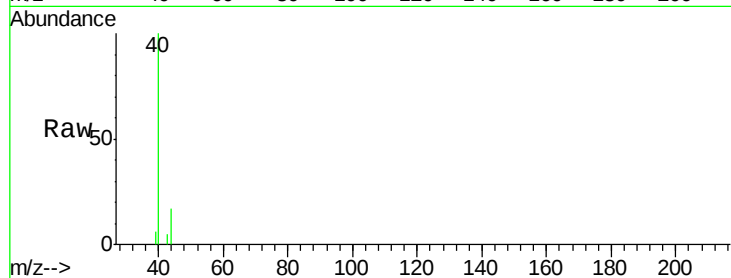
Tot Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

61 0.0 24.0 36.0#

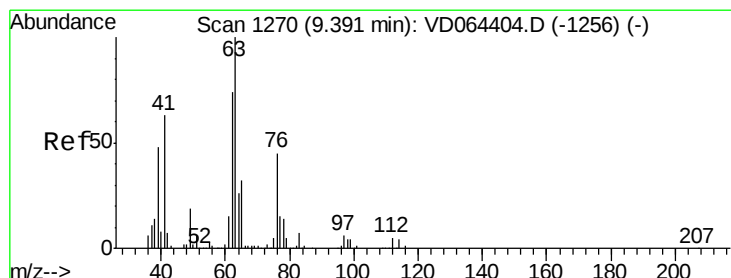
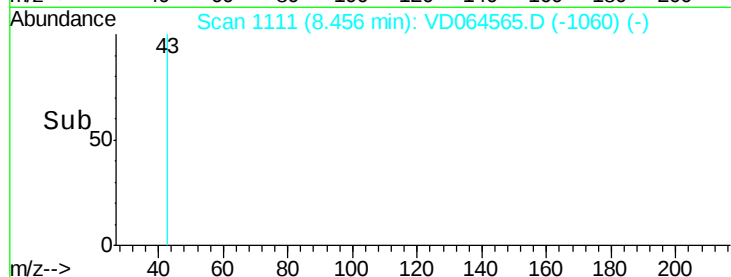
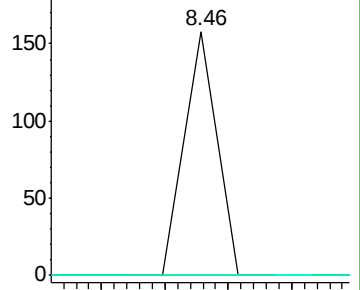
87 0.0 10.6 15.8#



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



#45

1,2-Dichloropropane

Concen: 39.256 ug/l

RT: 9.56 min Scan# 1298

Delta R.T. 0.16 min

Lab File: VD064565.D

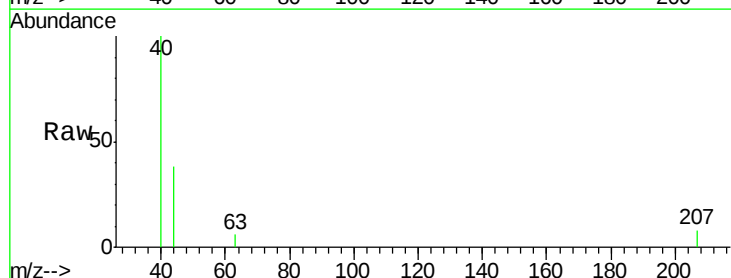
Acq: 23 Dec 2019 13:41

Tgt Ion: 63 Resp: 55

Ion Ratio Lower Upper

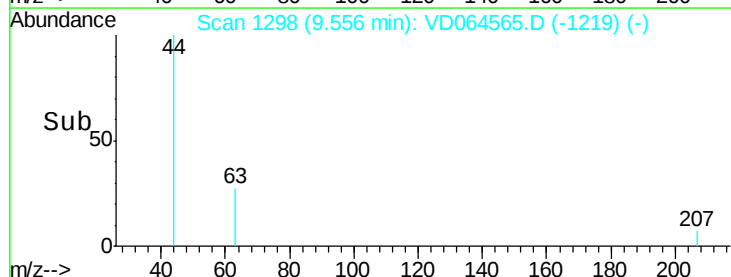
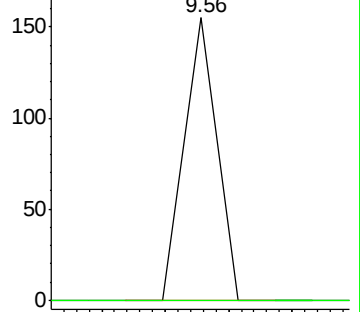
63 100

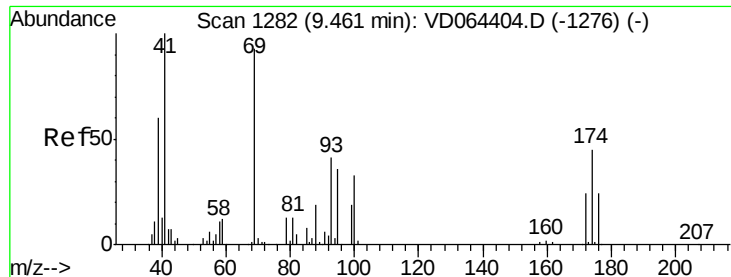
65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC





#48

Methyl methacrylate

Concen: 147.780 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)

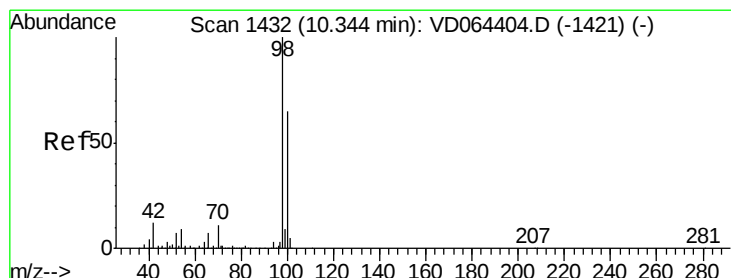
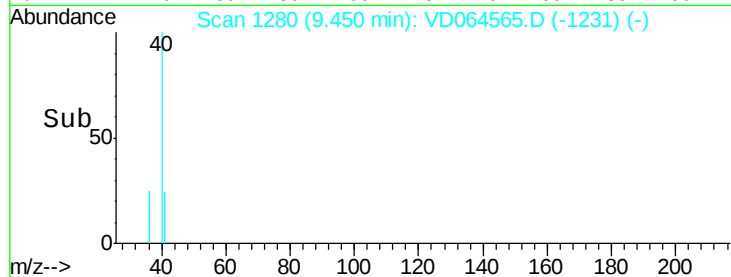
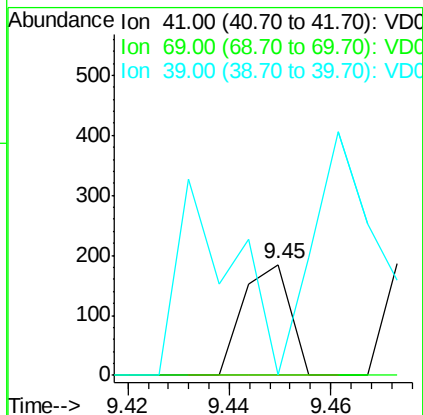
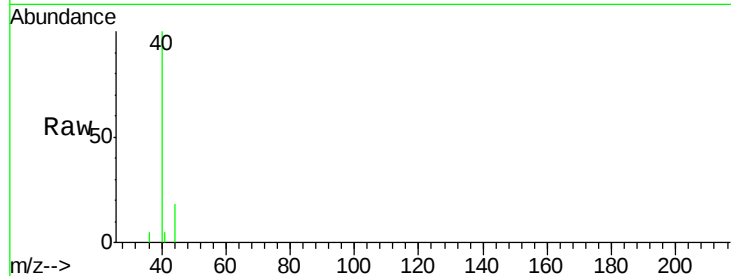
Tot Ion: 41 Resp: 119

Ion Ratio Lower Upper

41 100

69 0.0 72.0 108.0#

39 210.1 55.2 82.8#



#50

Toluene-d8

Concen: 69.343 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064565.D

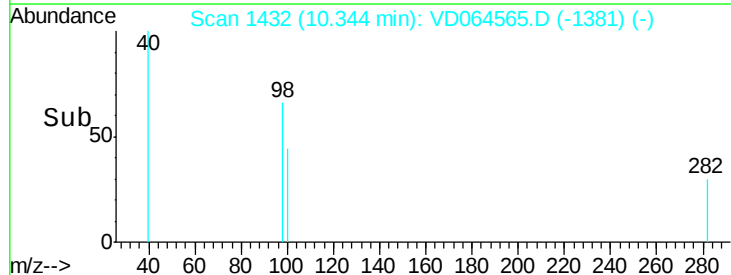
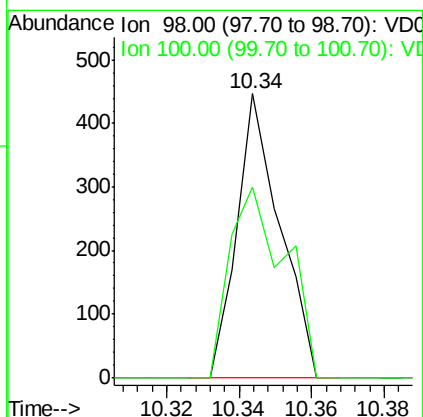
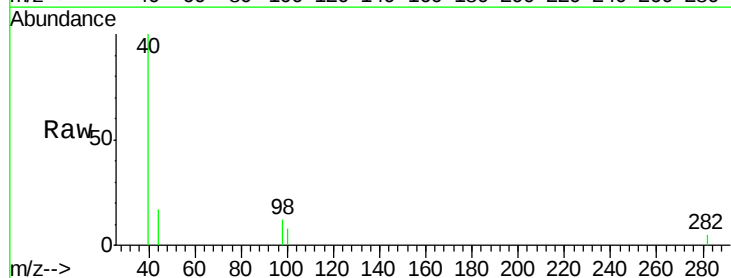
Acq: 23 Dec 2019 13:41

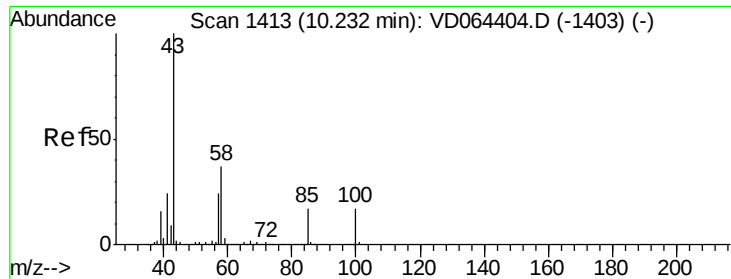
Tgt Ion: 98 Resp: 367

Ion Ratio Lower Upper

98 100

100 87.2 52.6 79.0#





#51

4-Methyl-2-Pentanone

Concen: 76.949 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

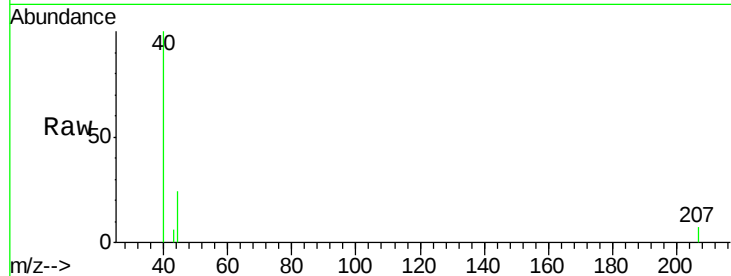
SB-2-(4-5)

Tot Ion: 43 Resp: 67

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

10.24

200

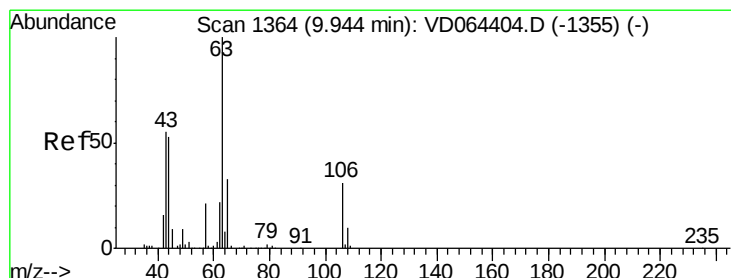
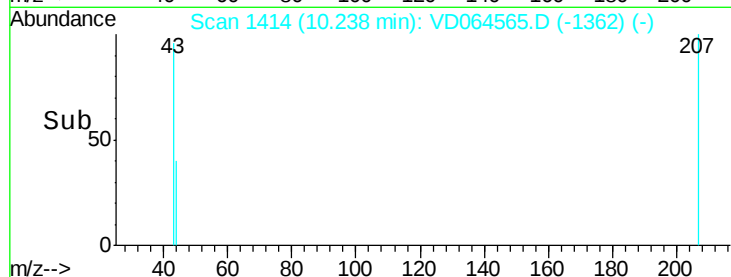
150

100

50

0

Time--> 10.22 10.24



#58

2-Chloroethyl Vinyl ether

Concen: 101.721 ug/l

RT: 10.06 min Scan# 1384

Delta R.T. 0.12 min

Lab File: VD064565.D

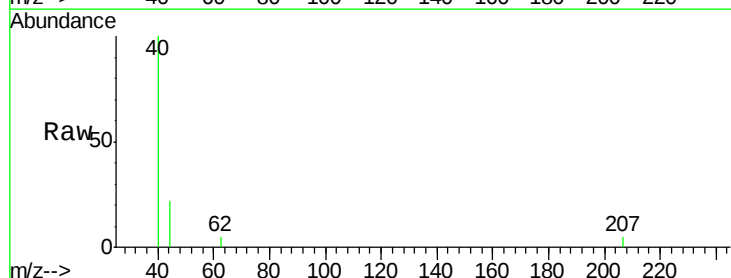
Acq: 23 Dec 2019 13:41

Tgt Ion: 63 Resp: 56

Ion Ratio Lower Upper

63 100

106 0.0 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

10.06

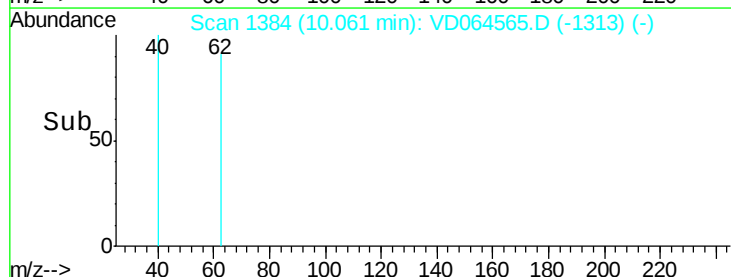
150

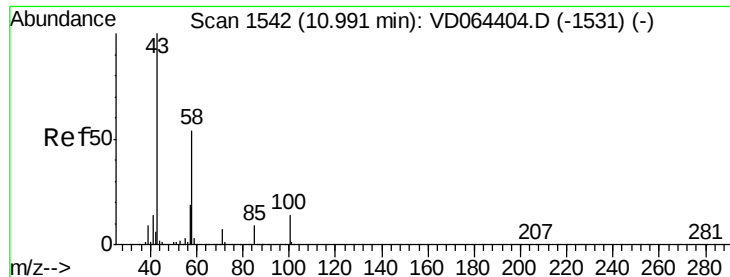
100

50

0

Time--> 10.04 10.06 10.08

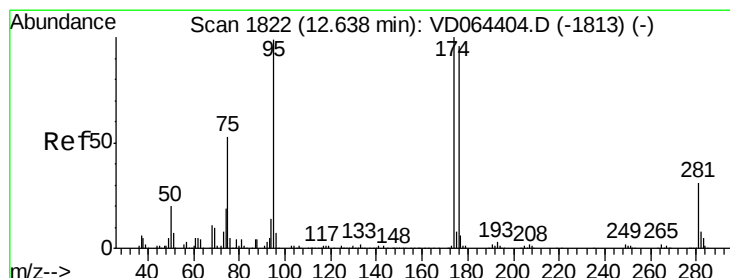
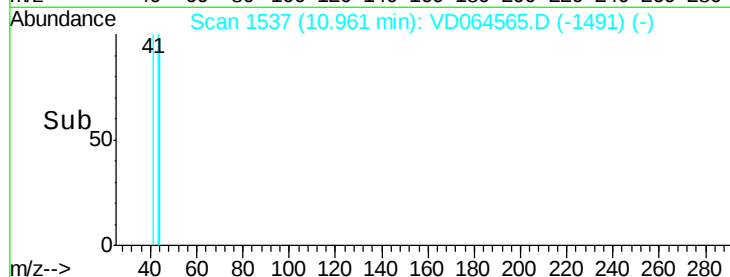
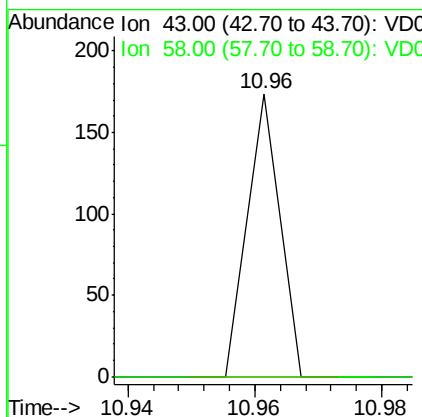
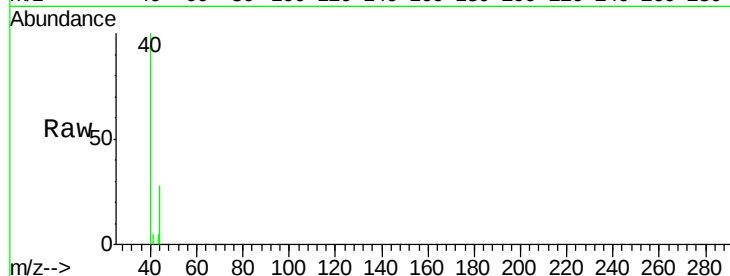




#59
2-Hexanone
Concen: 100.964 ug/l
RT: 10.96 min Scan# 1537
Delta R.T. -0.03 min
Lab File: VD064565.D
Acq: 23 Dec 2019 13:41

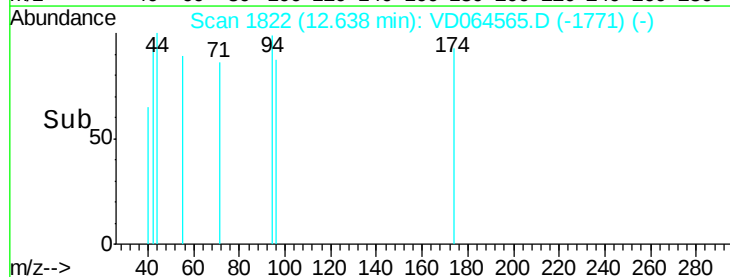
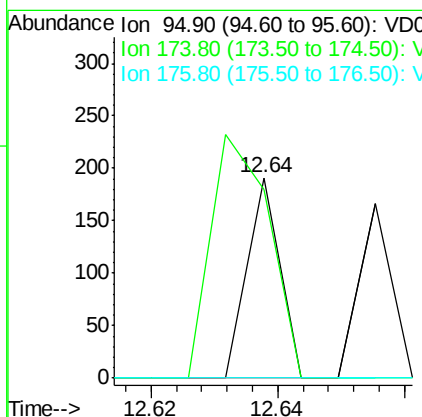
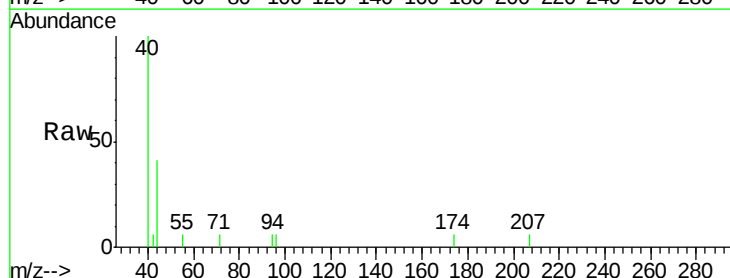
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)

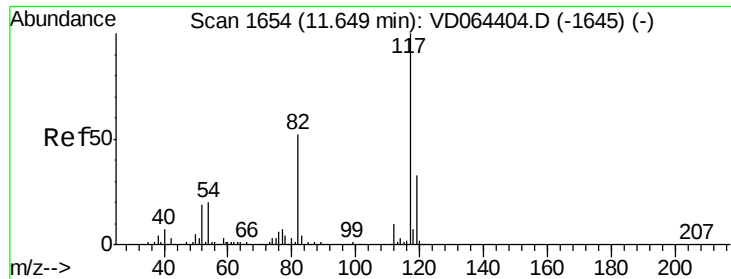
Tot Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.8#



#62
4-Bromofluorobenzene
Concen: 39.392 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064565.D
Acq: 23 Dec 2019 13:41

Tgt Ion: 95 Resp: 67
Ion Ratio Lower Upper
95 100
174 216.4 0.0 197.2#
176 0.0 0.0 189.6

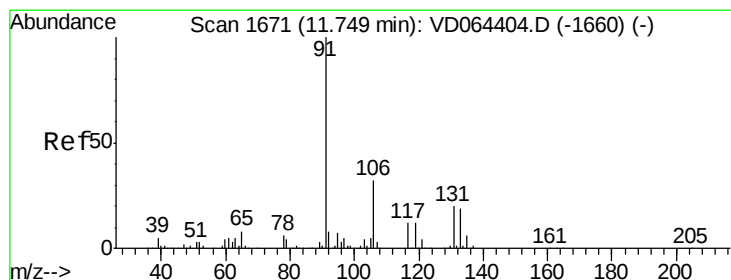
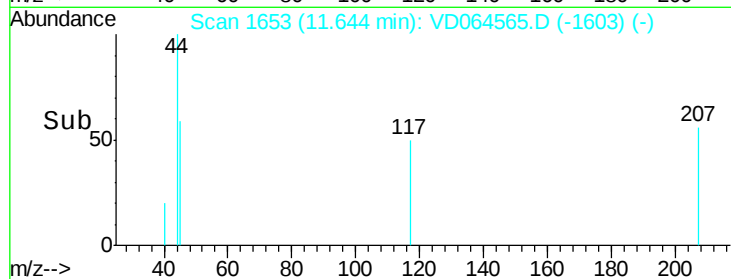
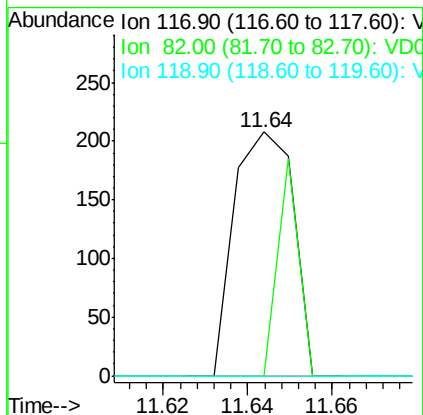
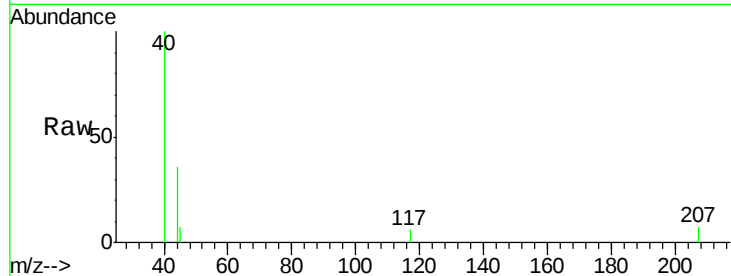




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064565.D
Acq: 23 Dec 2019 13:41

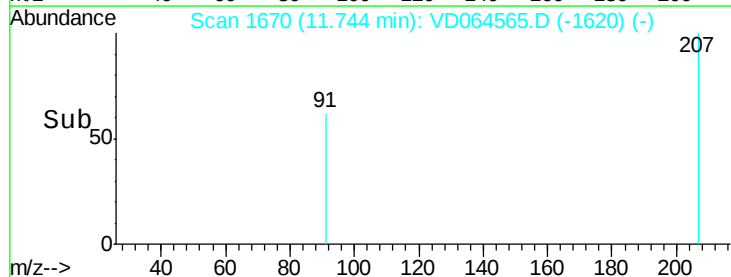
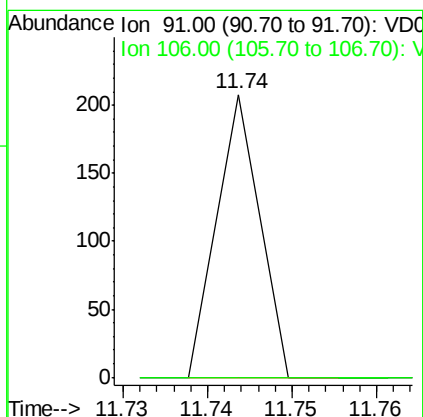
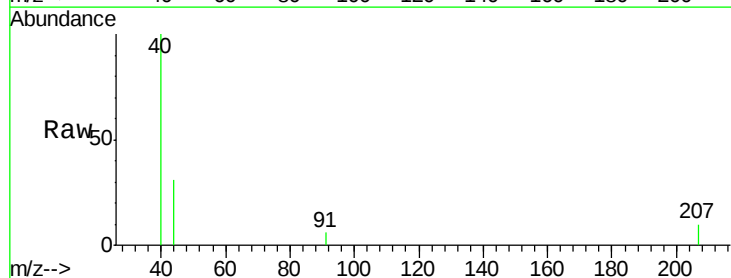
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)

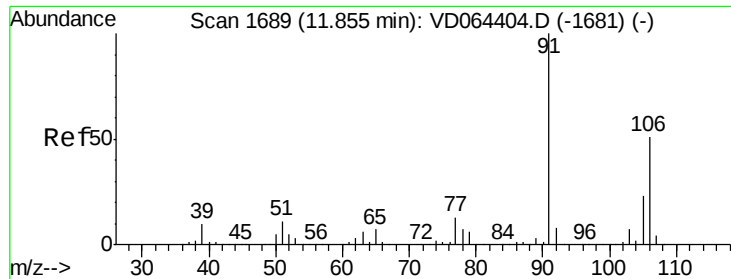
Tot Ion:117 Resp: 202
Ion Ratio Lower Upper
117 100
82 0.0 41.4 62.2#
119 0.0 26.2 39.2#



#67
Ethyl Benzene
Concen: 9.739 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064565.D
Acq: 23 Dec 2019 13:41

Tgt Ion: 91 Resp: 73
Ion Ratio Lower Upper
91 100
106 0.0 25.8 38.8#

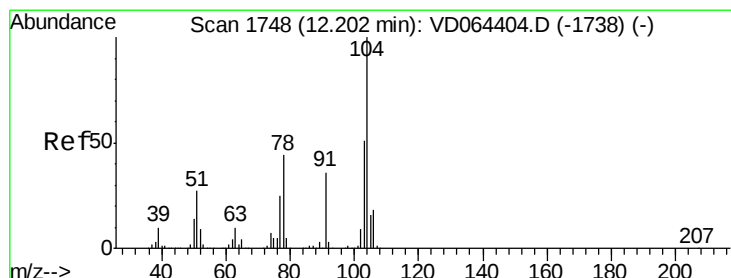
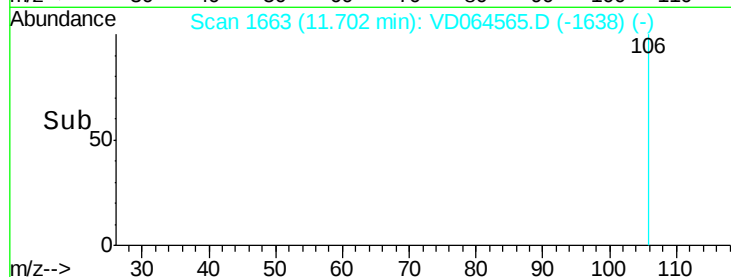
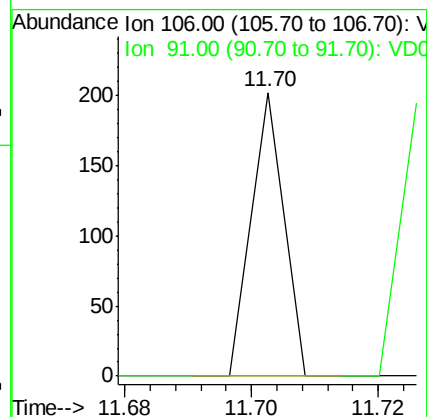
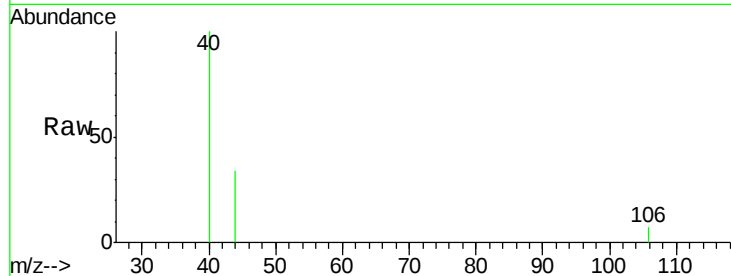




#68
m/p-Xvlenes
Concen: 24.841 ug/l
RT: 11.70 min Scan# 1663
Delta R.T. -0.15 min
Lab File: VD064565.D
Acq: 23 Dec 2019 13:41

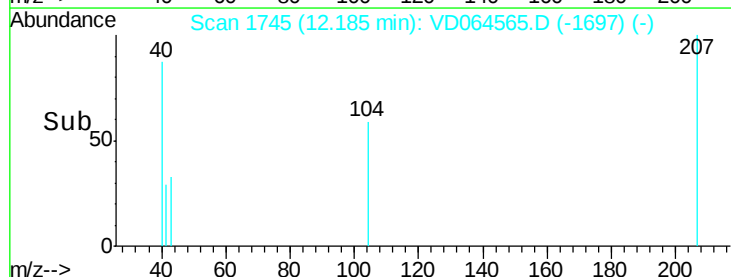
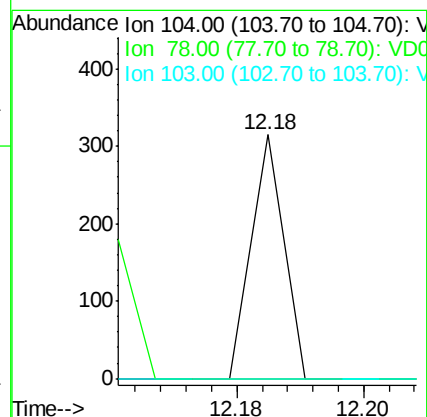
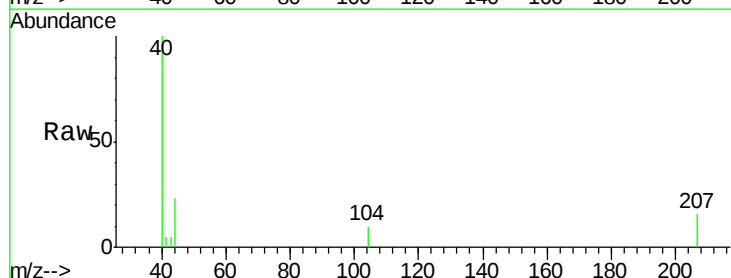
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)

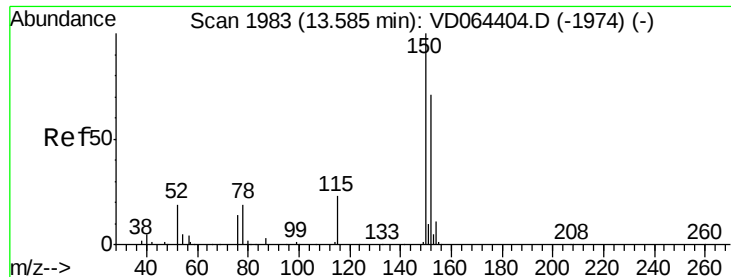
Tot Ion:106 Resp: 71
Ion Ratio Lower Upper
106 100
91 0.0 157.4 236.2#



#70
Styrene
Concen: 24.198 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.02 min
Lab File: VD064565.D
Acq: 23 Dec 2019 13:41

Tgt Ion:104 Resp: 111
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: 13.82 min Scan# 2023

Delta R.T. 0.24 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)

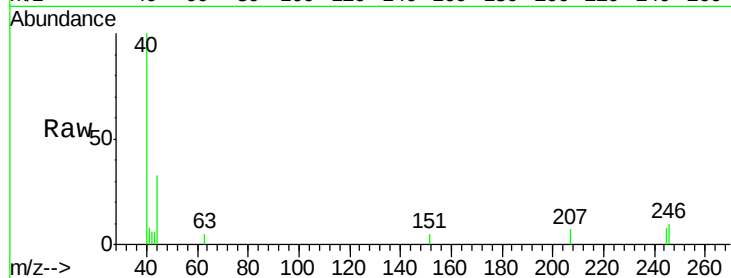
Tot Ion:152 Resp: 66

Ion Ratio Lower Upper

152 100

115 81.8 26.7 80.1#

150 0.0 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

13.82

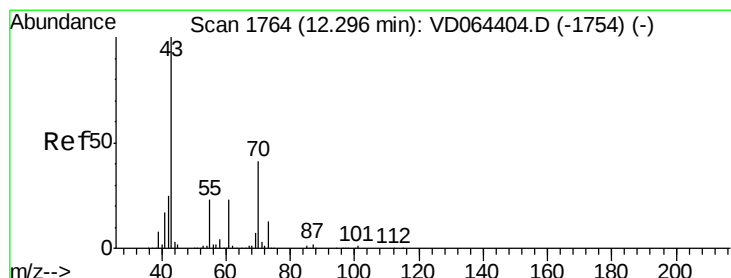
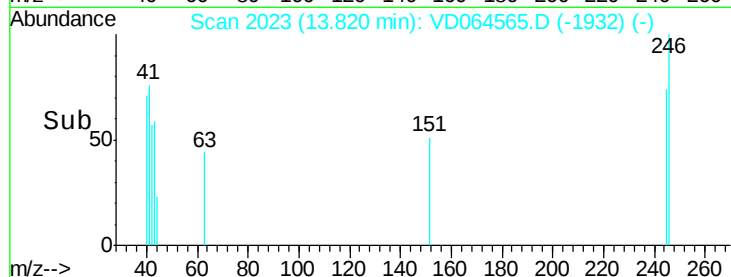
150

100

50

0

Time--> 13.80 13.82



#74

N-ethyl acetate

Concen: 146.657 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Tgt Ion: 43 Resp: 158

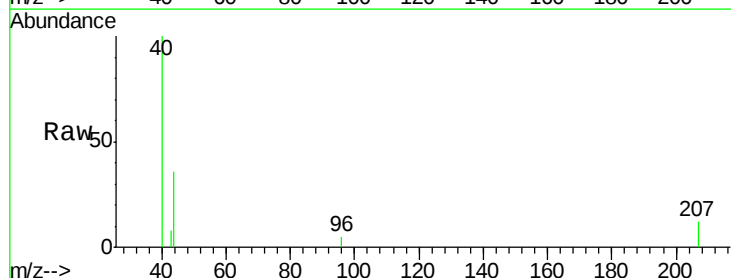
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.2#

55 0.0 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

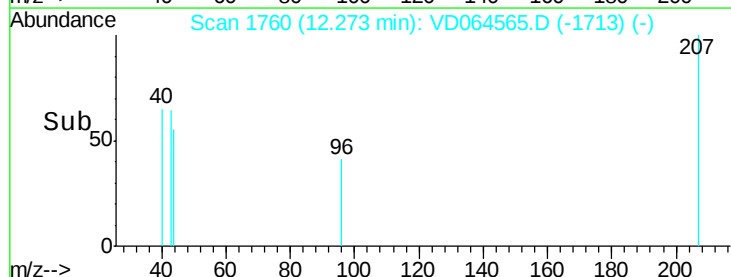
12.27

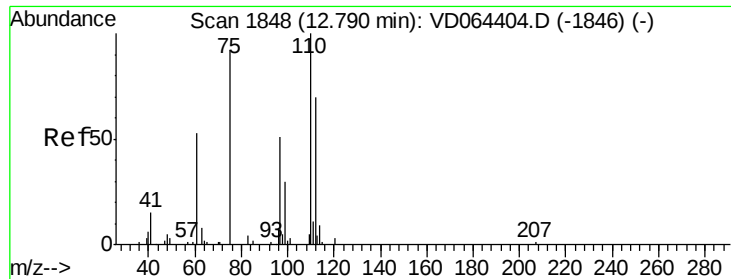
200

100

0

Time--> 12.26 12.28 12.30





#76

1,2,3-Trichloropropane

Concen: 121.600 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.16 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

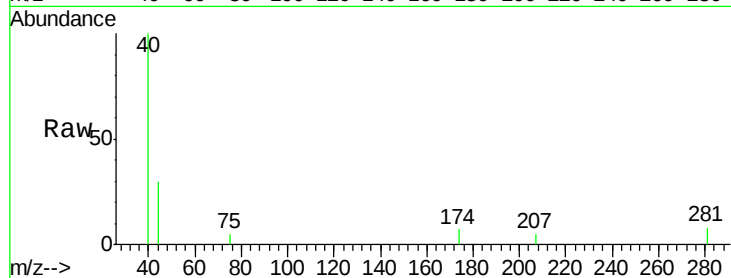
SB-2-(4-5)

Tot Ion: 75 Resp: 66

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

12.63

200

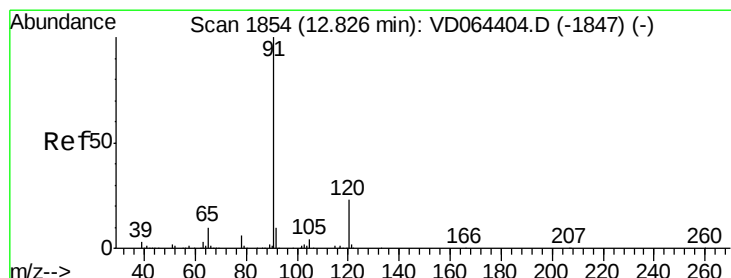
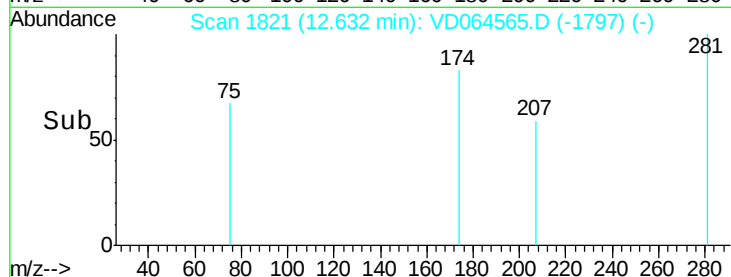
150

100

50

0

Time-->



#78

n-propylbenzene

Concen: 42.360 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD064565.D

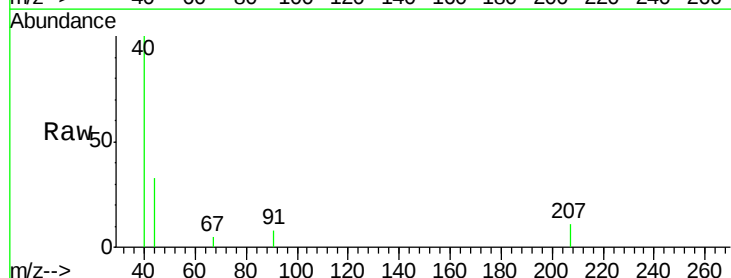
Acq: 23 Dec 2019 13:41

Tgt Ion: 91 Resp: 232

Ion Ratio Lower Upper

91 100

120 0.0 11.9 35.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

300

250

200

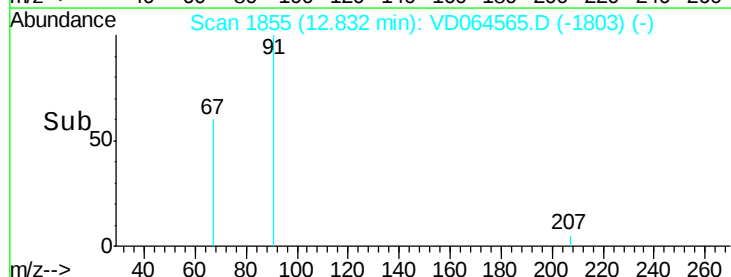
150

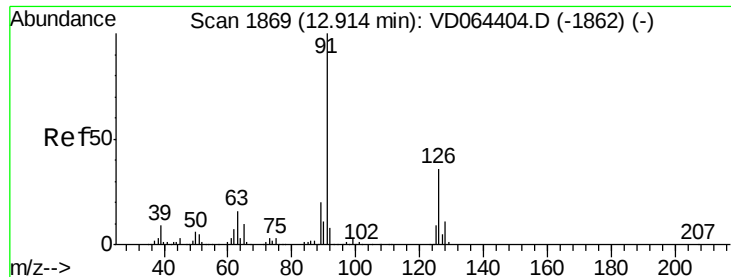
100

50

0

Time-->

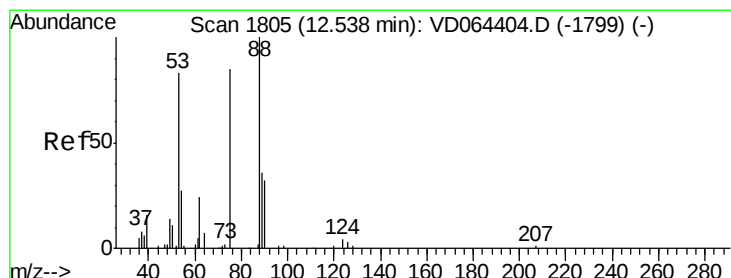
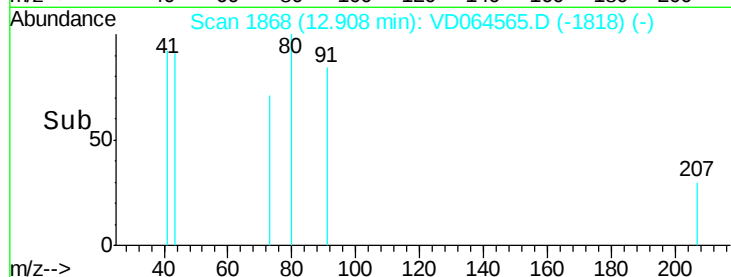
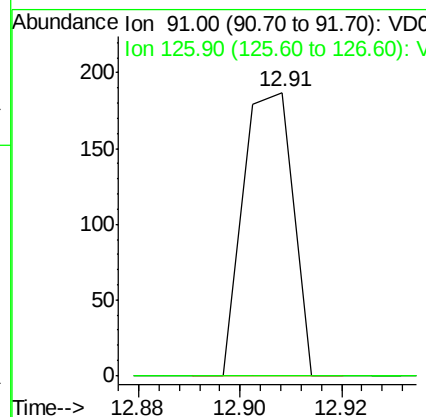
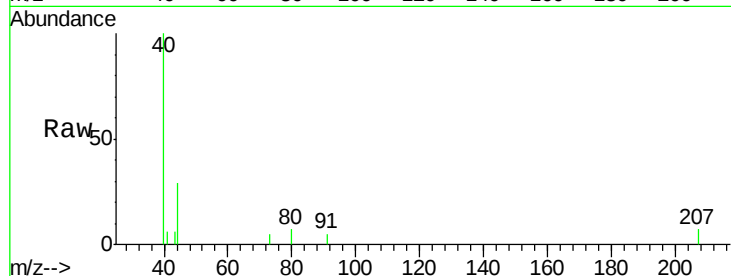




#79
2-Chlorotoluene
Concen: 42.805 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VD064565.D
Acq: 23 Dec 2019 13:41

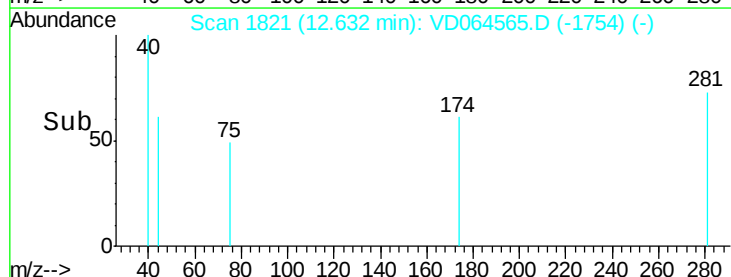
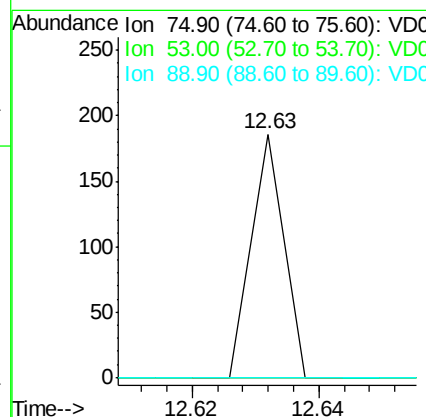
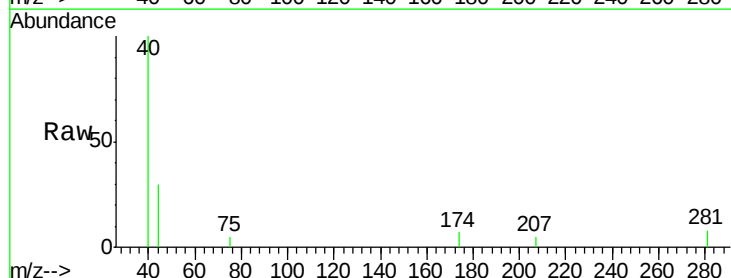
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)

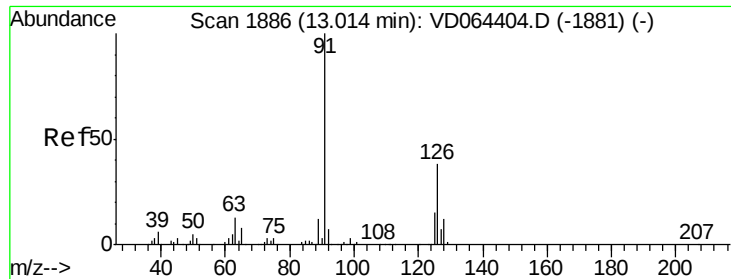
Tot Ion: 91 Resp: 129
Ion Ratio Lower Upper
91 100
126 0.0 18.0 54.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 265.152 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.09 min
Lab File: VD064565.D
Acq: 23 Dec 2019 13:41

Tgt Ion: 75 Resp: 66
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.6#
89 0.0 38.5 57.7#





#82

4-Chlorotoluene

Concen: 20.685 ug/l

RT: 13.11 min Scan# 1903

Delta R.T. 0.10 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

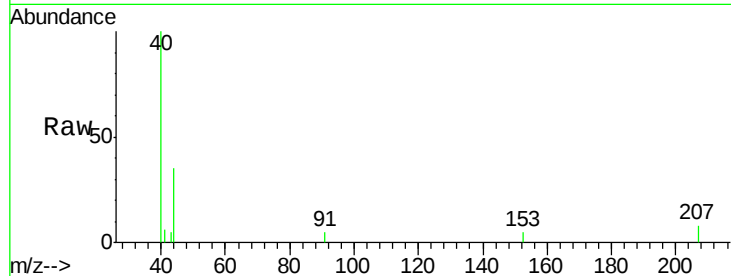
SB-2-(4-5)

Tot Ion: 91 Resp: 66

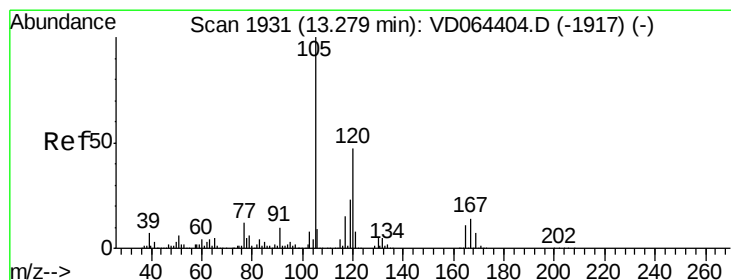
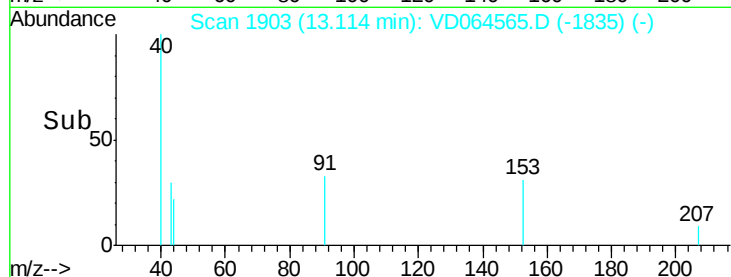
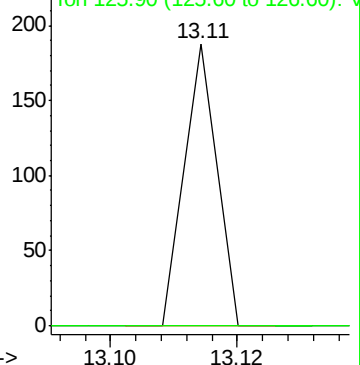
Ion Ratio Lower Upper

91 100

126 0.0 18.2 54.6#



Abundance Ion 91.00 (90.70 to 91.70): VD064404.D (-1881) (-)



#84

1,2,4-Trimethylbenzene

Concen: 29.483 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.13 min

Lab File: VD064565.D

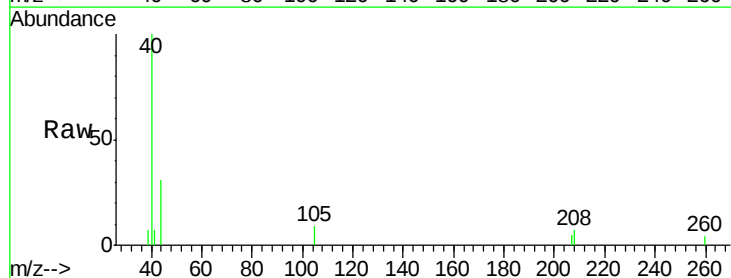
Acq: 23 Dec 2019 13:41

Tgt Ion: 105 Resp: 115

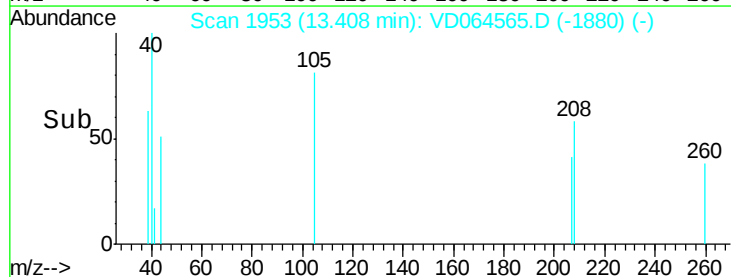
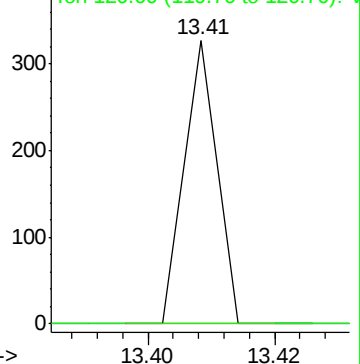
Ion Ratio Lower Upper

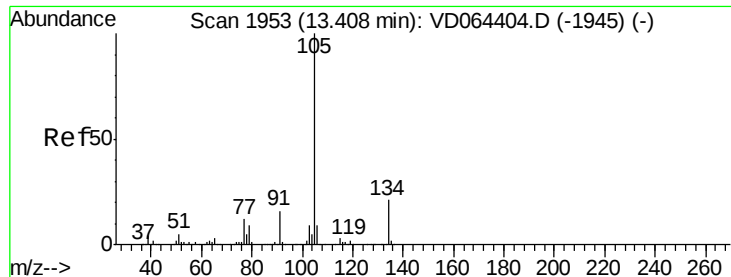
105 100

120 0.0 23.6 70.8#



Abundance Ion 105.00 (104.70 to 105.70): VD064404.D (-1917) (-)





#85

sec-Butylbenzene

Concen: 24.846 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

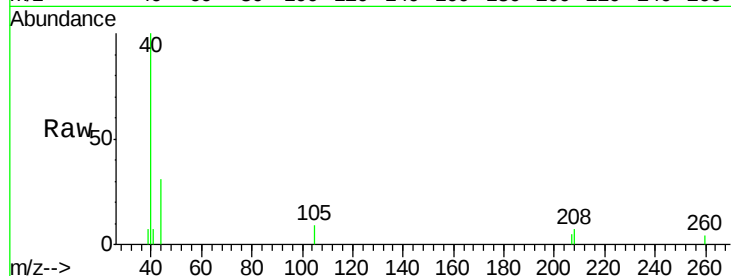
SB-2-(4-5)

Tot Ion:105 Resp: 115

Ion Ratio Lower Upper

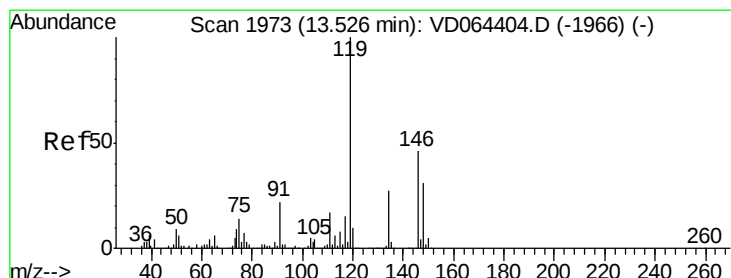
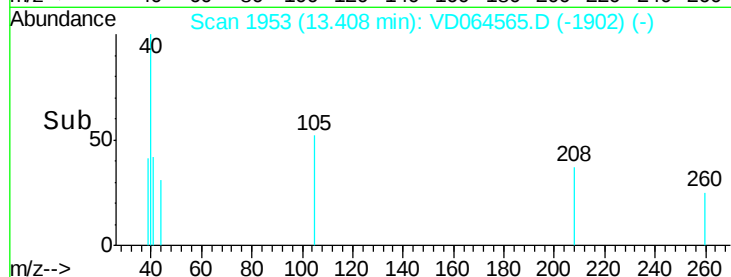
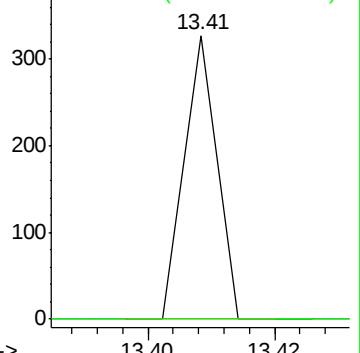
105 100

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



#86

p-Isopropyltoluene

Concen: 51.491 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

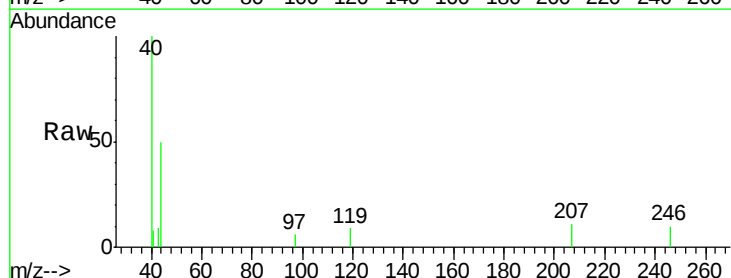
Tgt Ion:119 Resp: 225

Ion Ratio Lower Upper

119 100

134 0.0 13.5 40.4#

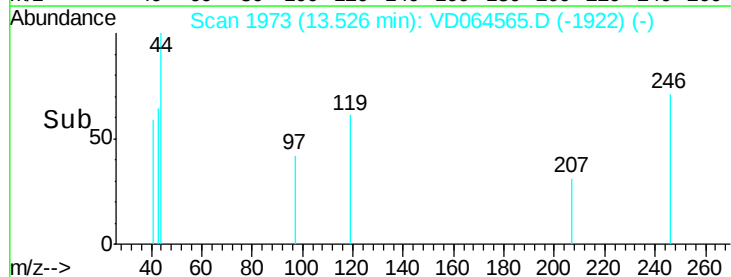
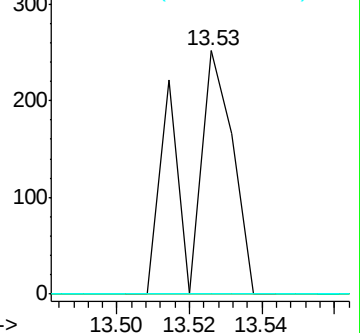
91 0.0 11.2 33.5#

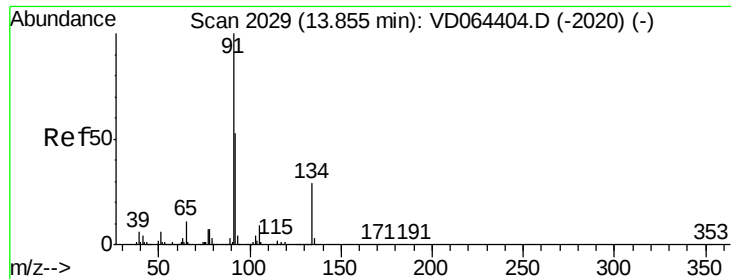


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 50.148 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)

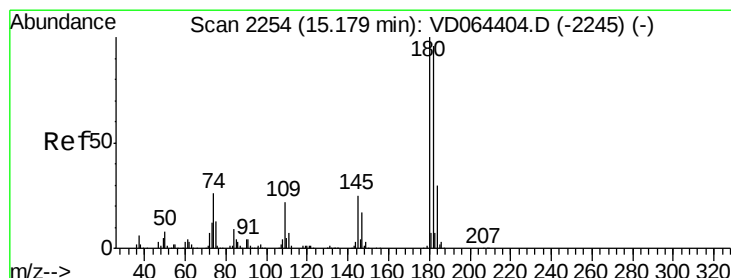
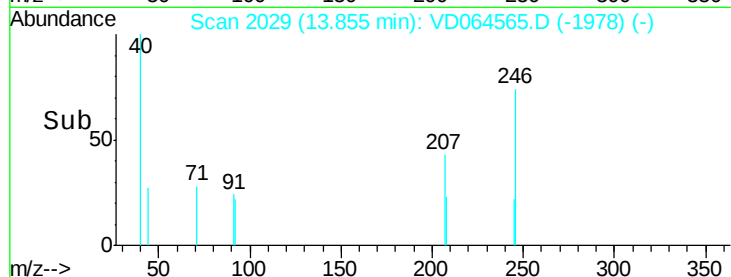
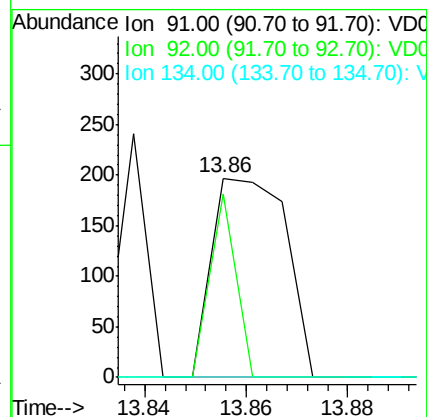
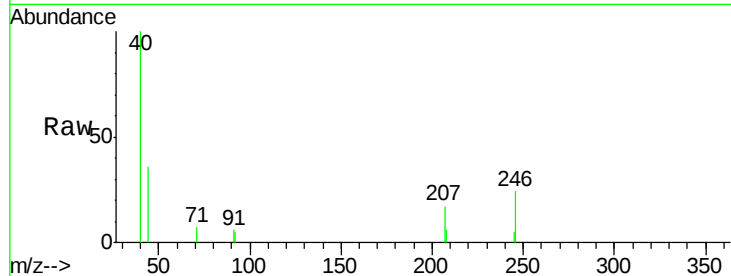
Tot Ion: 91 Resp: 199

Ion Ratio Lower Upper

91 100

92 32.2 26.5 79.4

134 0.0 13.9 41.7#



#93

1,2,4-Trichlorobenzene

Concen: 63.867 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. -0.01 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

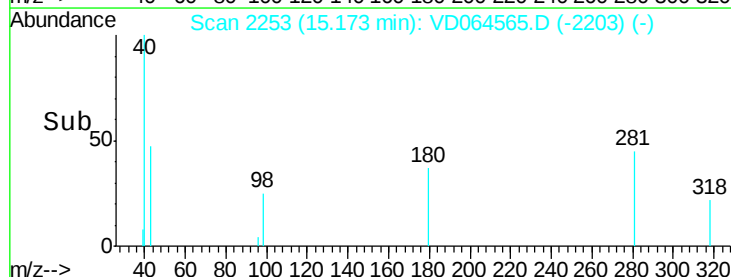
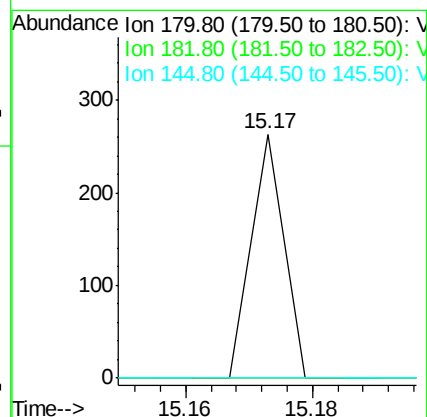
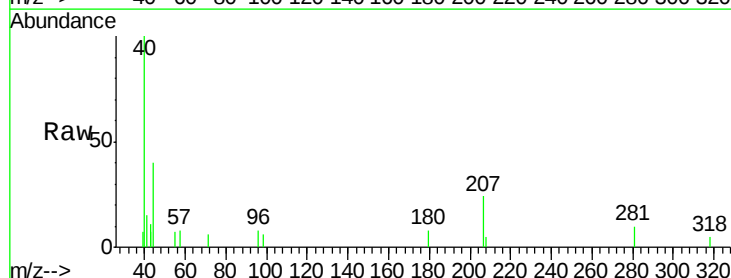
Tgt Ion: 180 Resp: 93

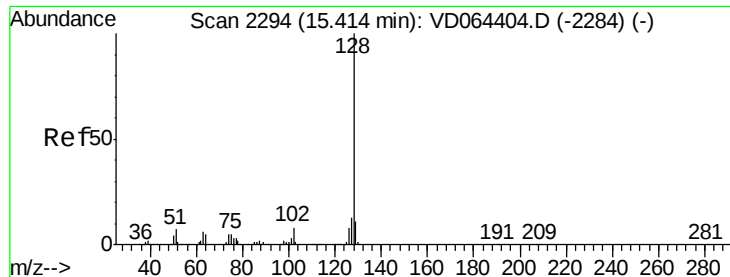
Ion Ratio Lower Upper

180 100

182 0.0 47.4 142.3#

145 0.0 14.0 41.9#





#95

Naphthalene

Concen: 25.101 ug/l

RT: 15.43 min Scan# 2297

Delta R.T. 0.02 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)

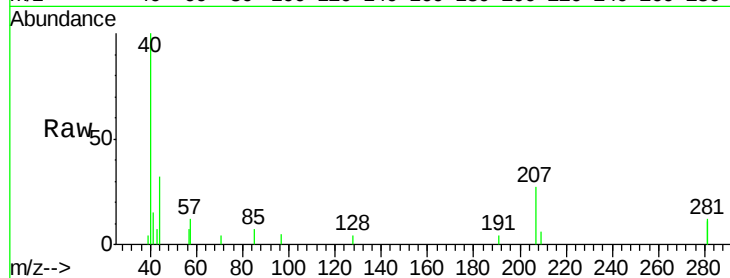
Tot Ion:128 Resp: 61

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

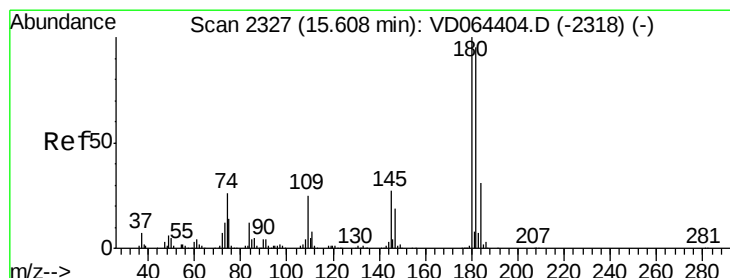
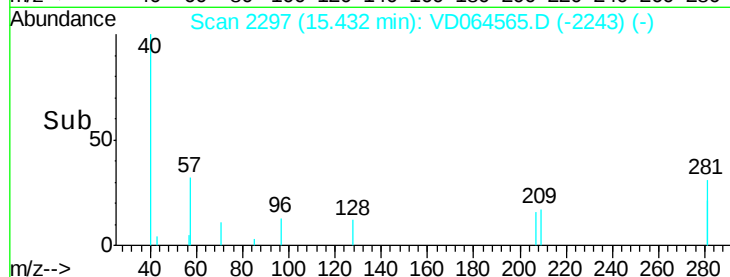
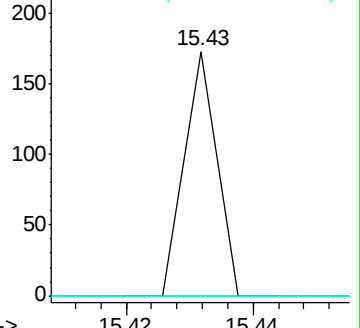
129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.662 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064565.D

Acq: 23 Dec 2019 13:41

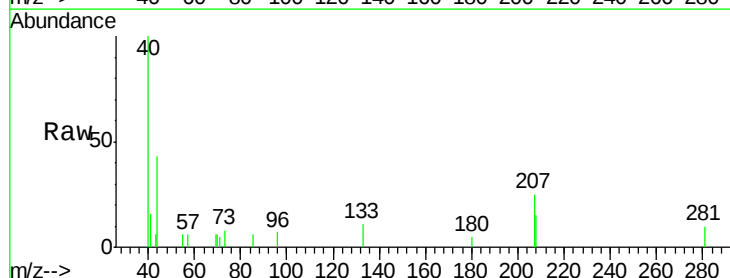
Tgt Ion:180 Resp: 58

Ion Ratio Lower Upper

180 100

182 0.0 47.6 142.9#

145 0.0 14.6 43.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

