

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100419\
 Data File : VD063885.D
 Acq On : 04 Oct 2019 12:24
 Operator : VA/SY
 Sample : VD1004SBL01
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBL01

Quant Time: Oct 05 02:17:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 04 01:55:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	204991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	325116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	313472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	153922	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	101982	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
35) Dibromofluoromethane	7.91	113	98451	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.34	98	406821	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.63	95	127187	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	

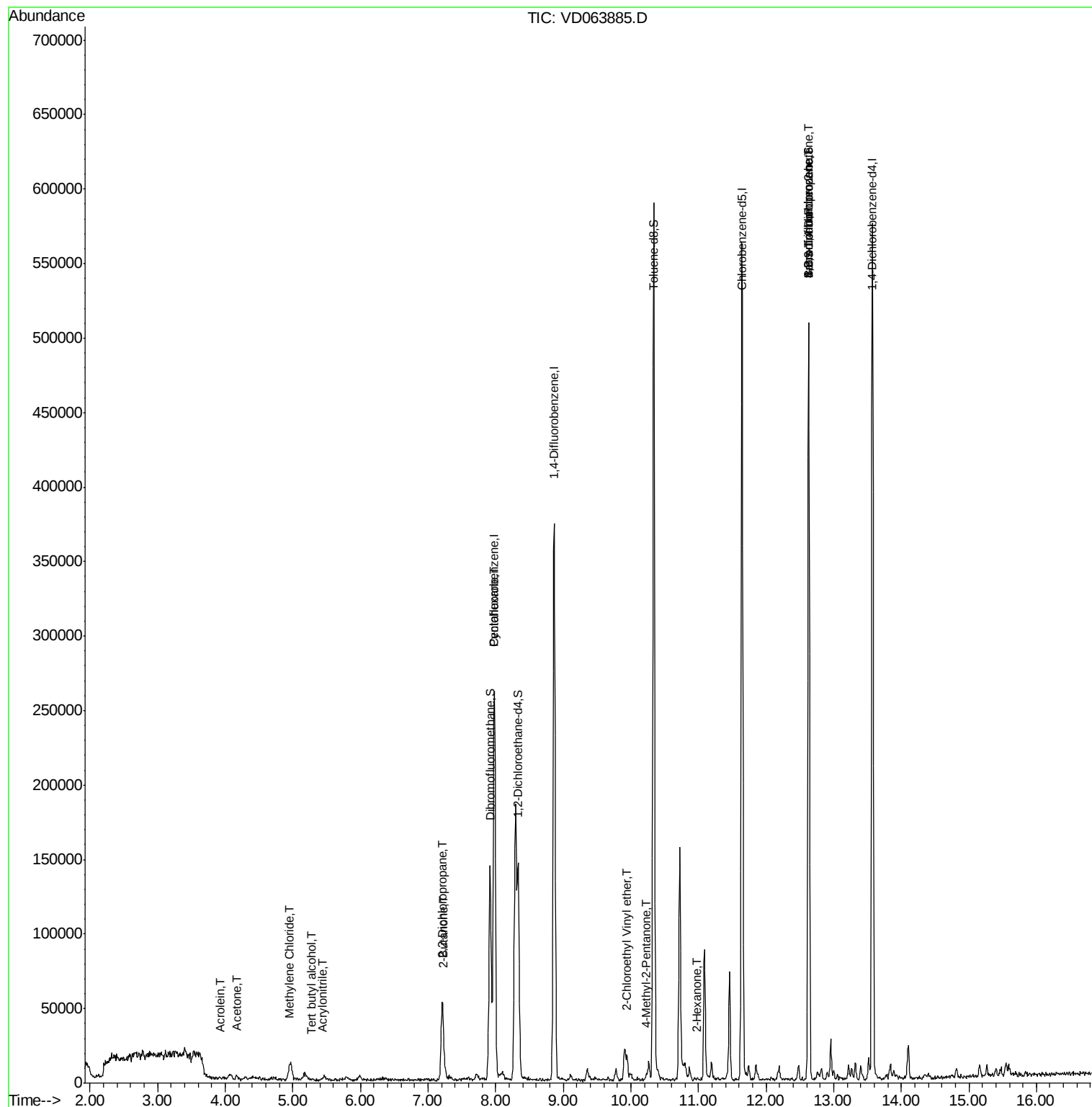
Target Compounds						Qvalue
11) Tert butyl alcohol	5.28	59	155	1.095	ug/l #	71
13) Acrolein	3.93	56	219	1.229	ug/l #	57
15) Acrylonitrile	5.44	53	498	1.133	ug/l #	85
16) Acetone	4.16	43	2721	5.237	ug/l #	76
20) Methylene Chloride	4.95	84	4784	1.794	ug/l #	90
25) 2-Butanone	7.23	43	3542	5.752	ug/l	92
26) 2,2-Dichloropropane	7.21	77	4780	1.471	ug/l #	60
31) Cyclohexane	7.98	56	6770	2.009	ug/l #	35
51) 4-Methyl-2-Pentanone	10.23	43	2747	2.125	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	7015	7.686	ug/l	92
59) 2-Hexanone	10.98	43	1468	1.570	ug/l #	56
71) Bromoform	12.63	173	1338	1.075	ug/l #	28
76) 1,2,3-Trichloropropane	12.63	75	70028	67.927	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	70028	120.204	ug/l #	12

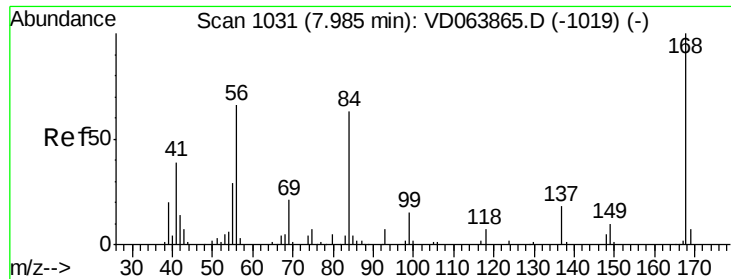
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 04 01:55:35 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063885.D

Acq: 04 Oct 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

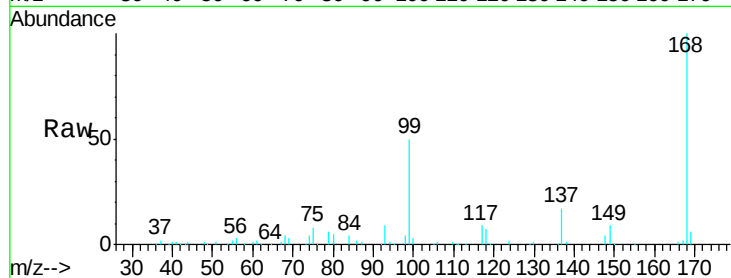
VD1004SBL01

Tgt Ion:168 Resp: 204991

Ion Ratio Lower Upper

168 100

99 49.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

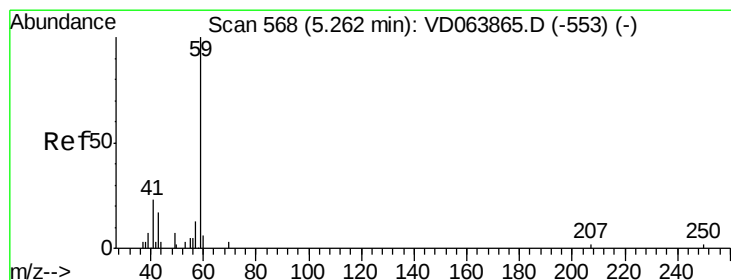
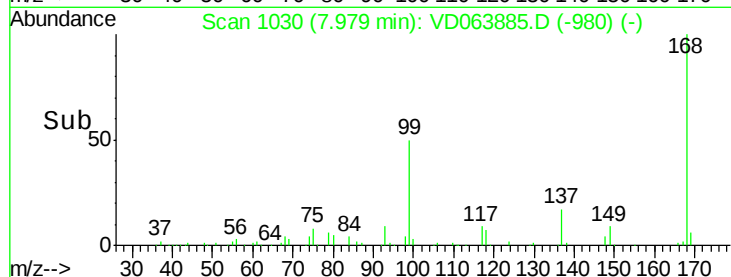
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.095 ug/l

RT: 5.28 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD063885.D

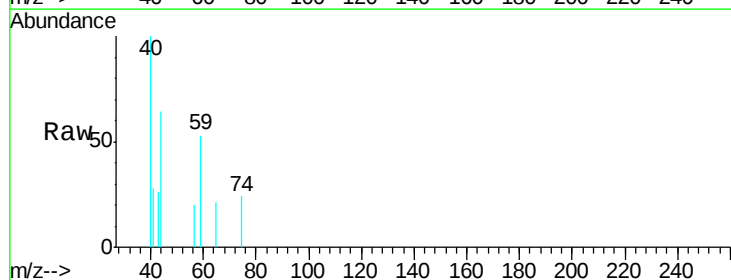
Acq: 04 Oct 2019 12:24

Tgt Ion: 59 Resp: 155

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.28

500

400

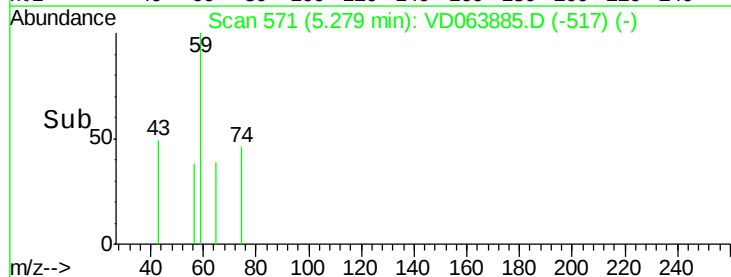
300

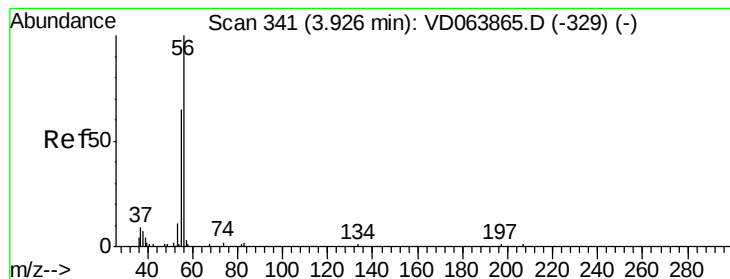
200

100

0

Time-->





#13

Acrolein

Concen: 1.229 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063885.D

Acq: 04 Oct 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

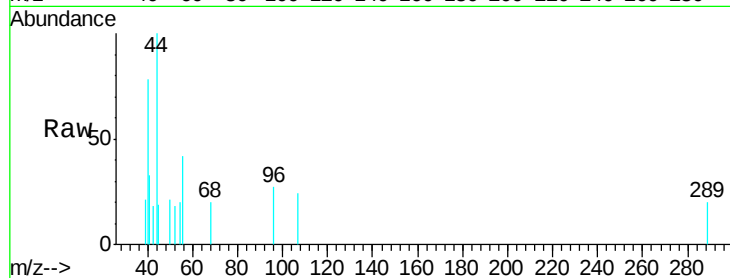
VD1004SBL01

Tgt Ion: 56 Resp: 219

Ion Ratio Lower Upper

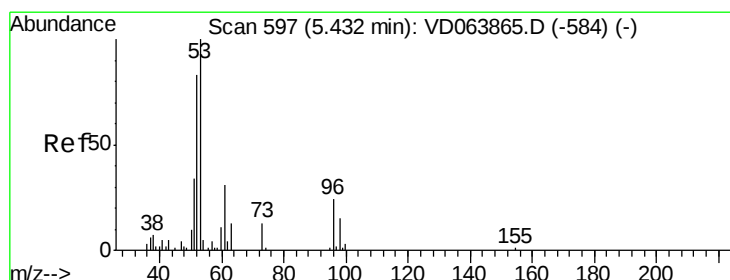
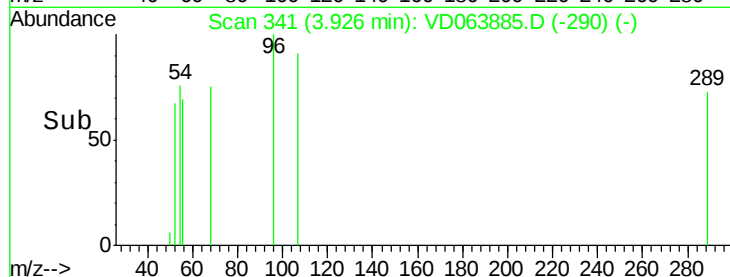
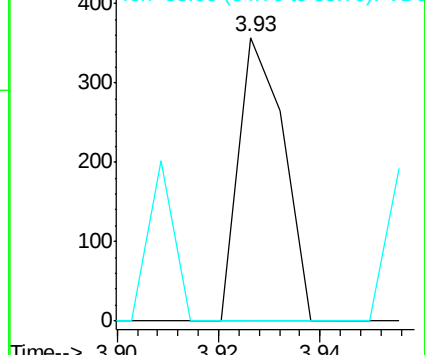
56 100

55 32.4 53.0 79.6#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#15

Acrylonitrile

Concen: 1.133 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD063885.D

Acq: 04 Oct 2019 12:24

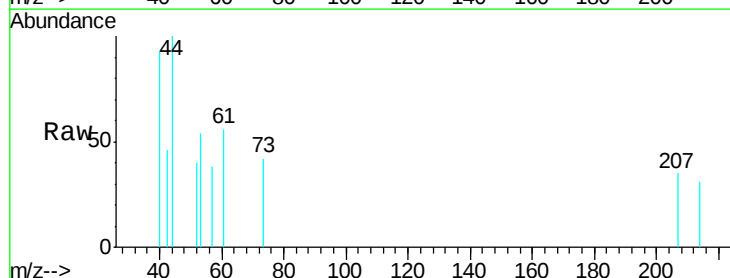
Tgt Ion: 53 Resp: 498

Ion Ratio Lower Upper

53 100

52 89.8 67.3 100.9

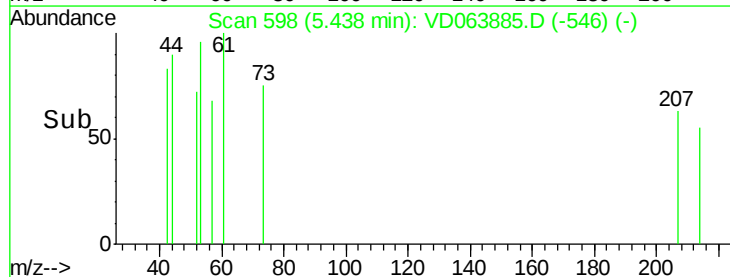
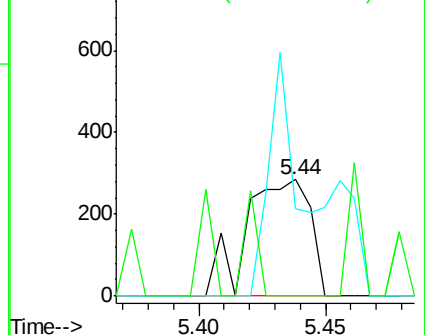
51 18.3 30.5 45.7#

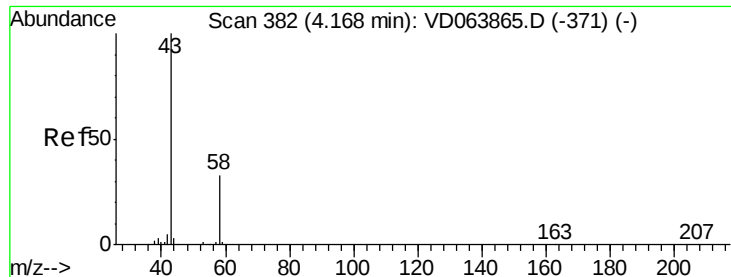


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 5.237 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD063885.D

Acq: 04 Oct 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

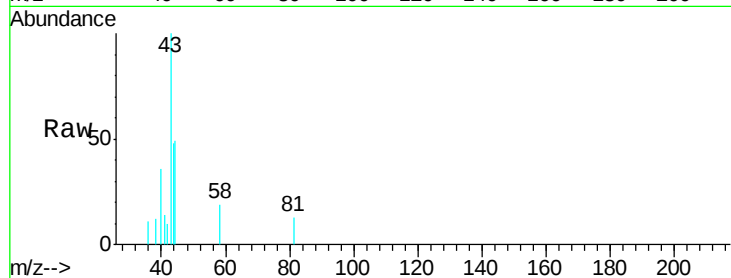
VD1004SBL01

Tgt Ion: 43 Resp: 2721

Ion Ratio Lower Upper

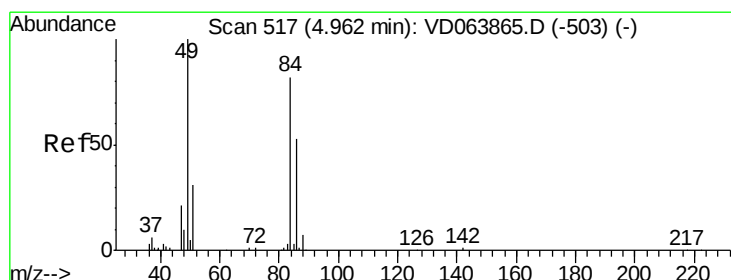
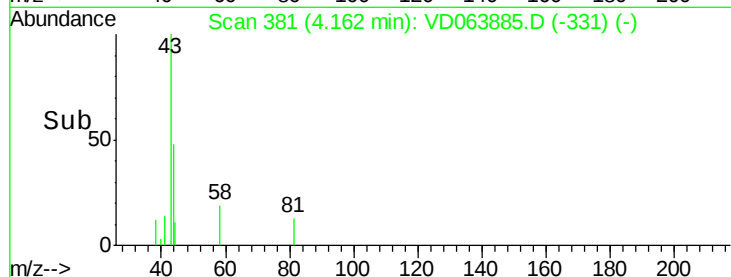
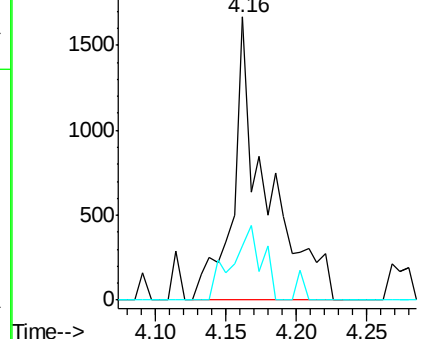
43 100

58 19.1 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 1.794 ug/l

RT: 4.95 min Scan# 515

Delta R.T. -0.01 min

Lab File: VD063885.D

Acq: 04 Oct 2019 12:24

Tgt Ion: 84 Resp: 4784

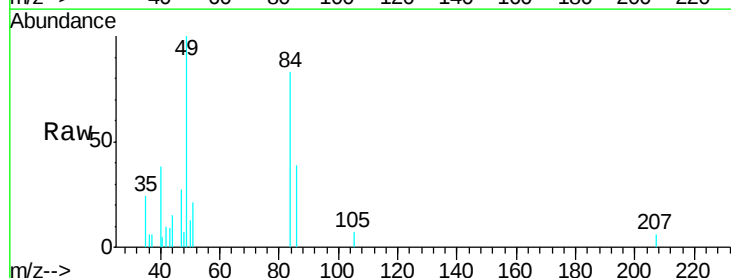
Ion Ratio Lower Upper

84 100

49 121.2 97.3 145.9

51 25.8 30.1 45.1#

86 47.7 51.4 77.2#

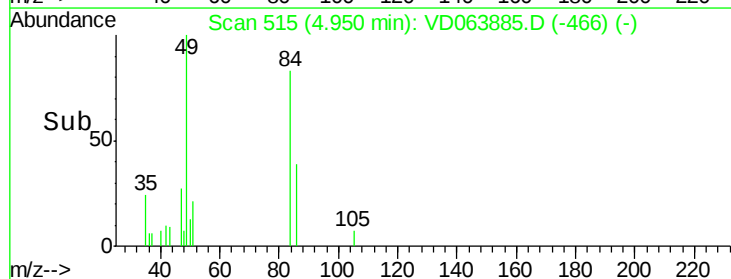
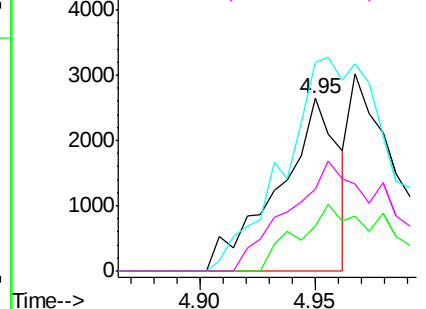


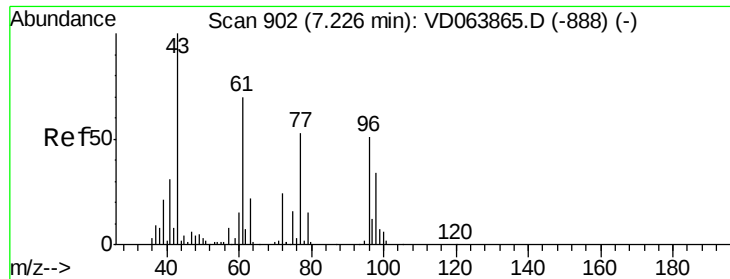
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 5.752 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063885.D

Acq: 04 Oct 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

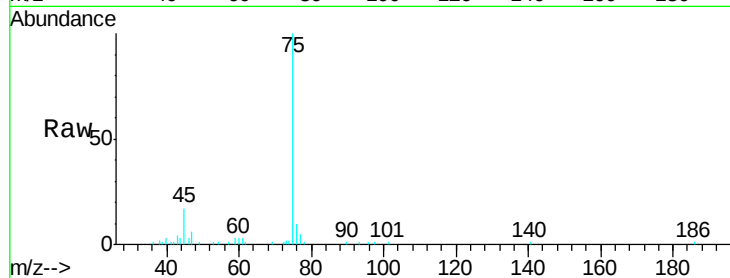
VD1004SBL01

Tgt Ion: 43 Resp: 3542

Ion Ratio Lower Upper

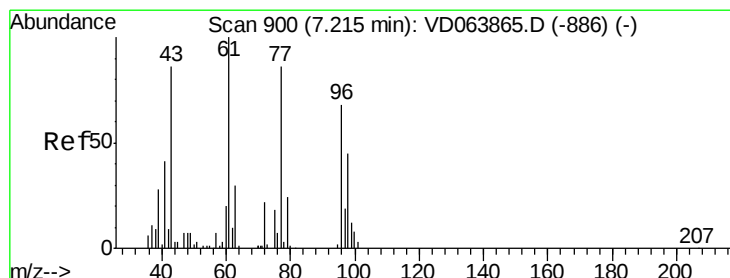
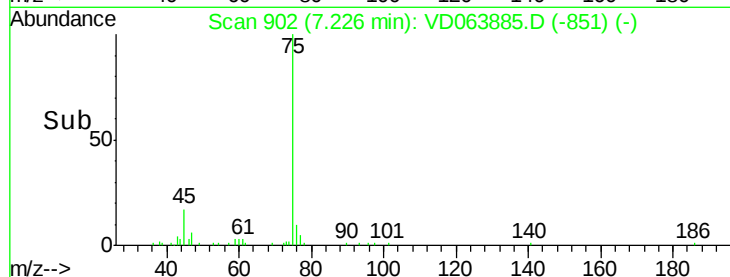
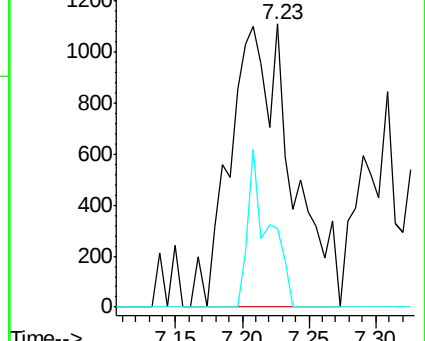
43 100

72 27.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 1.471 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063885.D

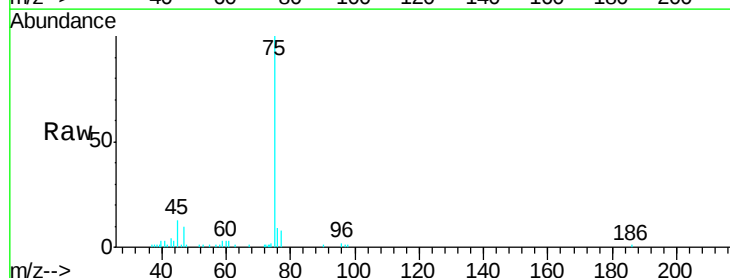
Acq: 04 Oct 2019 12:24

Tgt Ion: 77 Resp: 4780

Ion Ratio Lower Upper

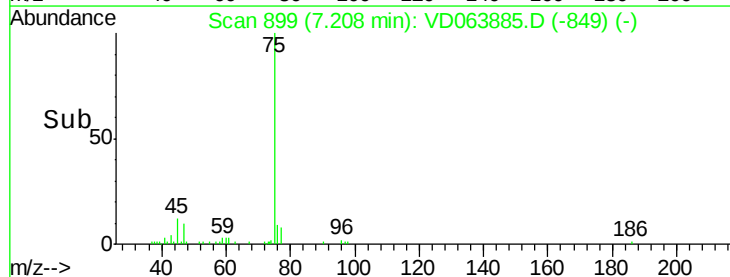
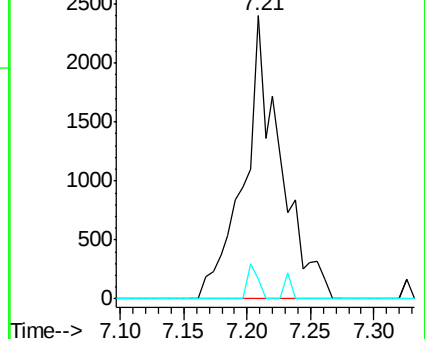
77 100

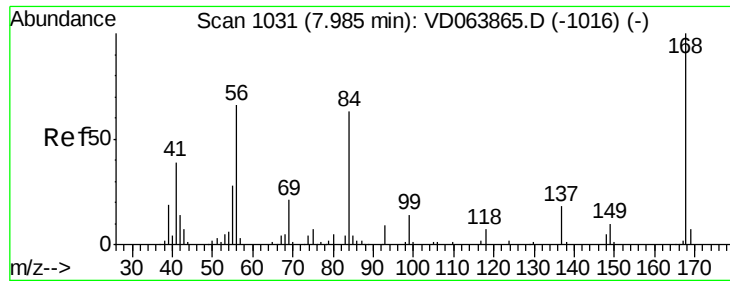
97 3.5 11.4 34.1#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

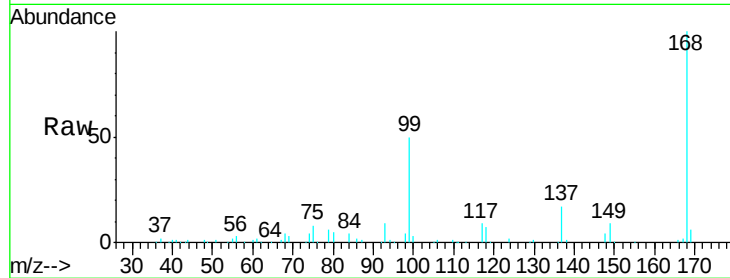




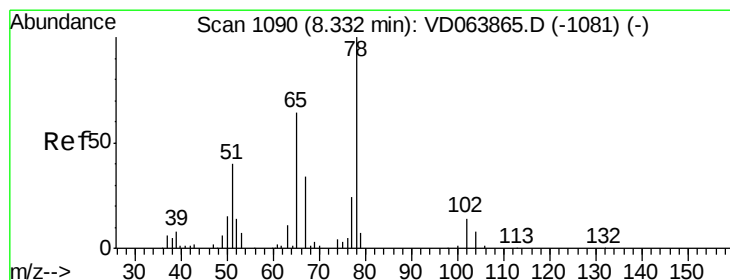
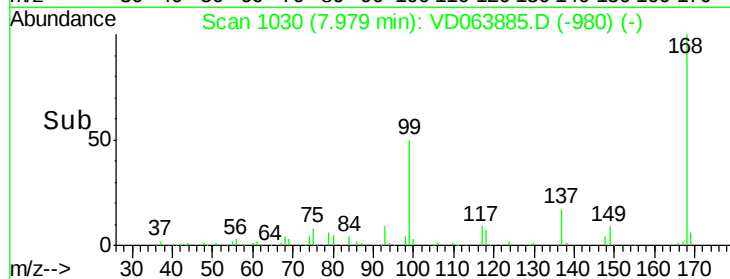
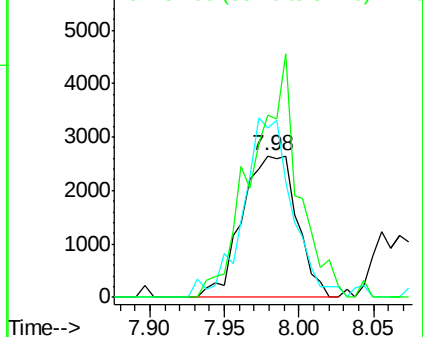
#31
Cyclohexane
Concen: 2.009 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063885.D
Acq: 04 Oct 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBL01

Tgt Ion: 56 Resp: 6770
Ion Ratio Lower Upper
56 100
69 119.4 25.0 37.4#
84 128.6 76.3 114.5#

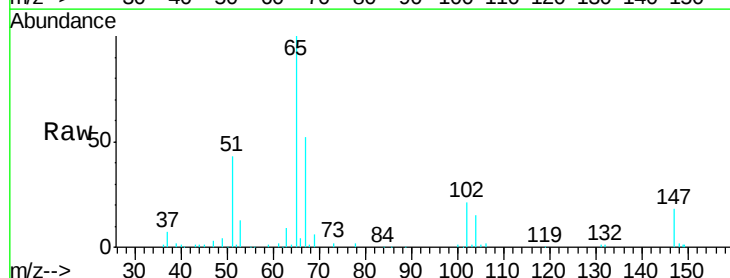


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

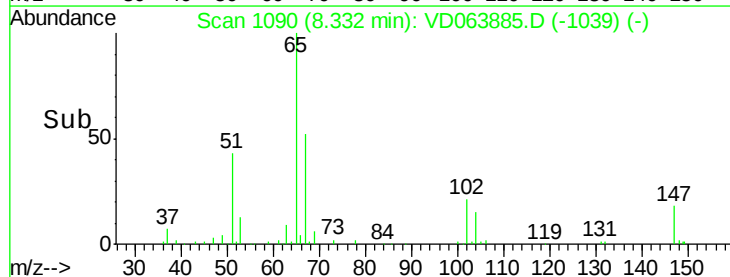
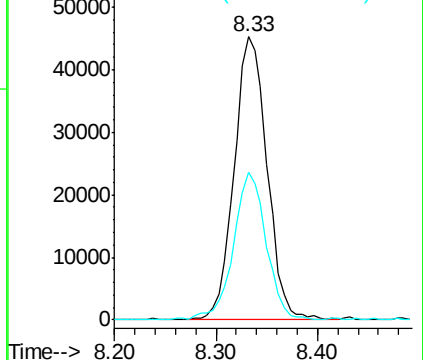


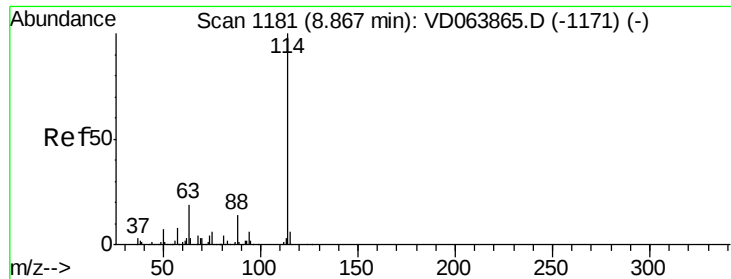
#33
1,2-Dichloroethane-d4
Concen: 51.100 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD063885.D
Acq: 04 Oct 2019 12:24

Tgt Ion: 65 Resp: 101982
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.4



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

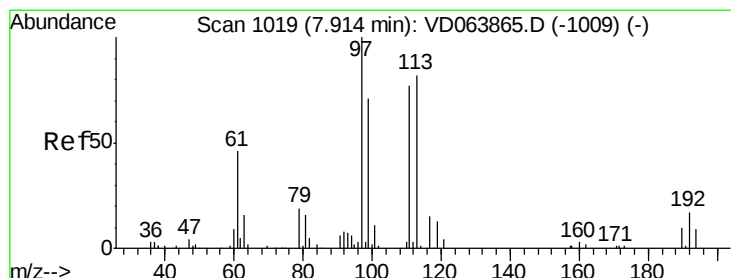
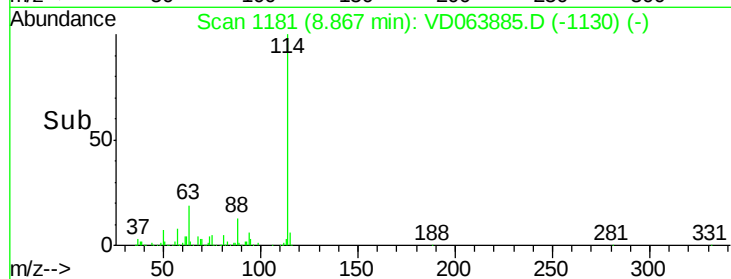
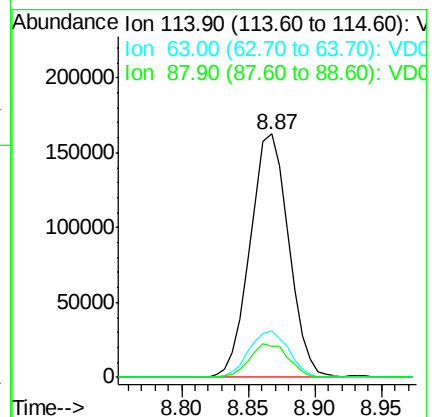
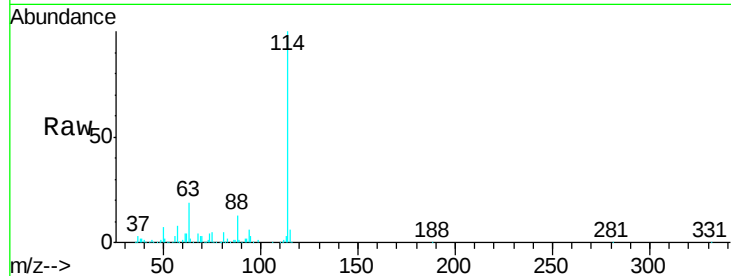




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063885.D
 Acq: 04 Oct 2019 12:24

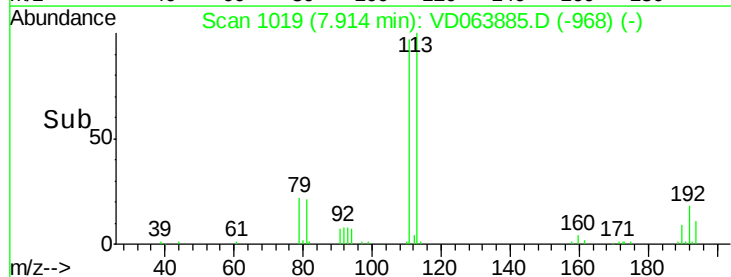
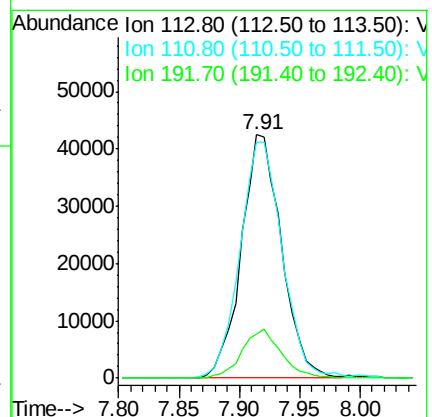
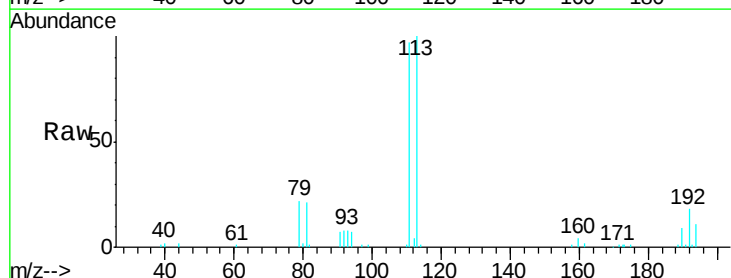
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBL01

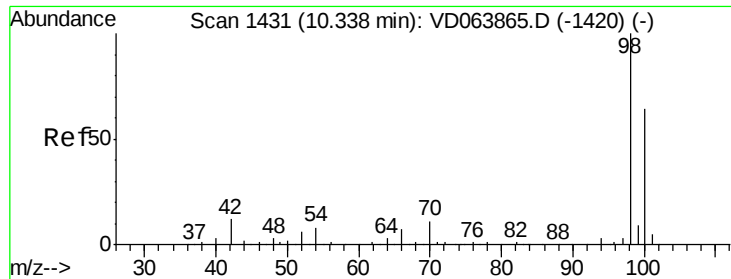
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.4
88	13.1	0.0	27.4



#35
 Dibromofluoromethane
 Concen: 49.550 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD063885.D
 Acq: 04 Oct 2019 12:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.6	123.8
192	19.6	17.1	25.7

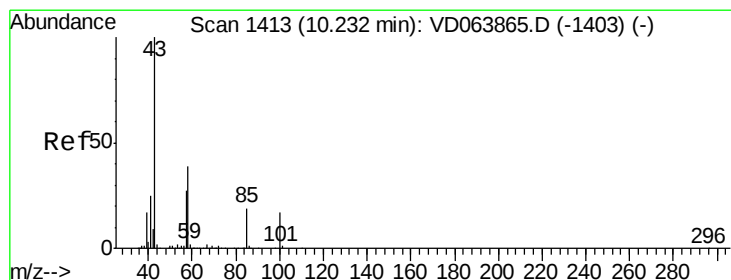
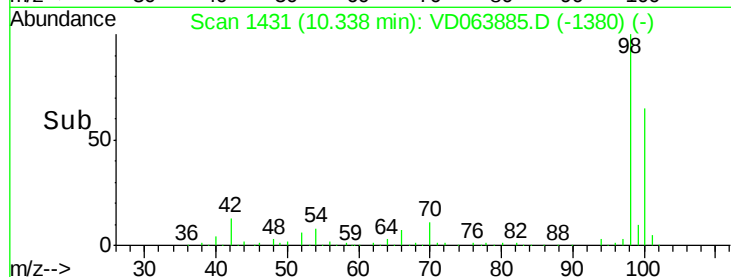
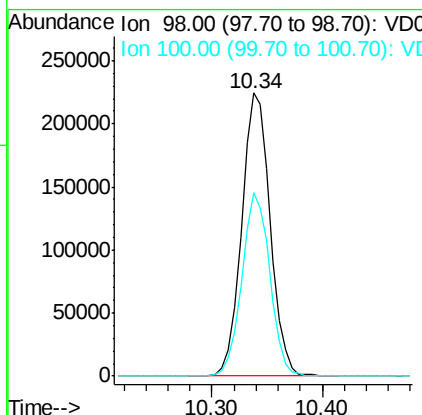
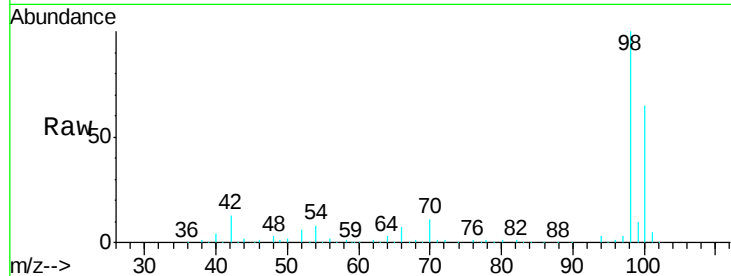




#50
Toluene-d8
Concen: 50.446 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063885.D
Acq: 04 Oct 2019 12:24

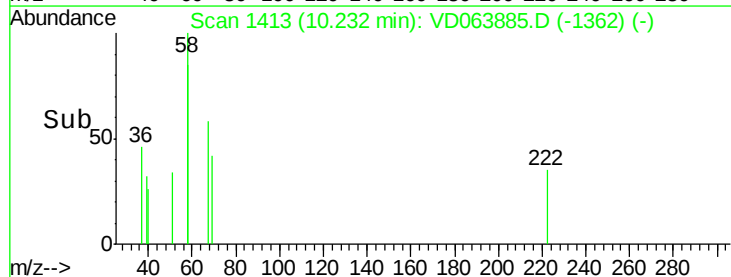
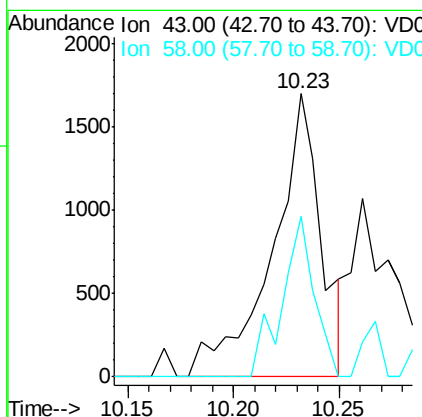
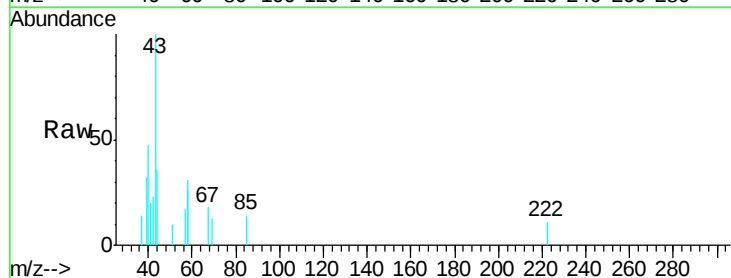
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBL01

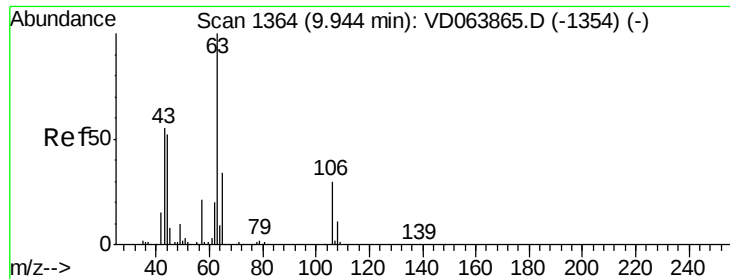
Tgt Ion: 98 Resp: 406821
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 2.125 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD063885.D
Acq: 04 Oct 2019 12:24

Tgt Ion: 43 Resp: 2747
Ion Ratio Lower Upper
43 100
58 37.8 33.0 49.4

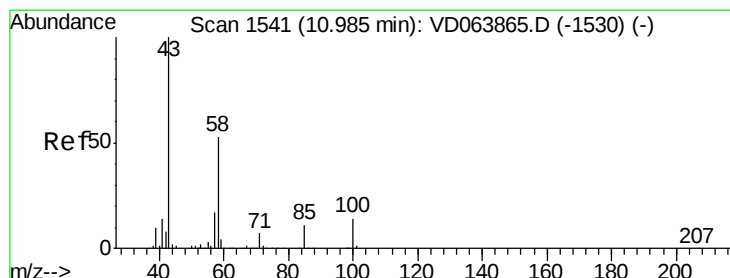
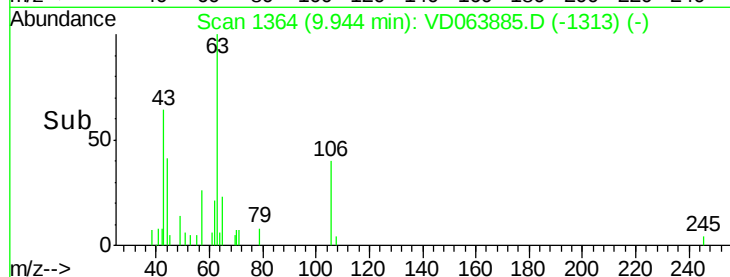
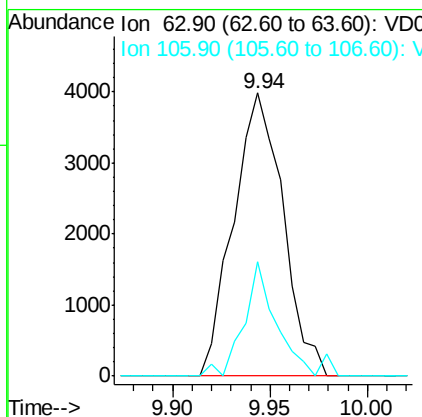
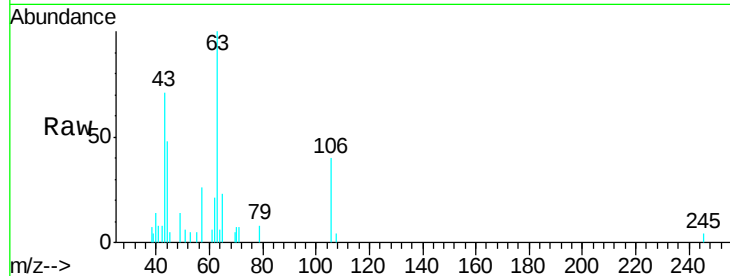




#58
 2-Chloroethyl Vinyl ether
 Concen: 7.686 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063885.D
 Acq: 04 Oct 2019 12:24

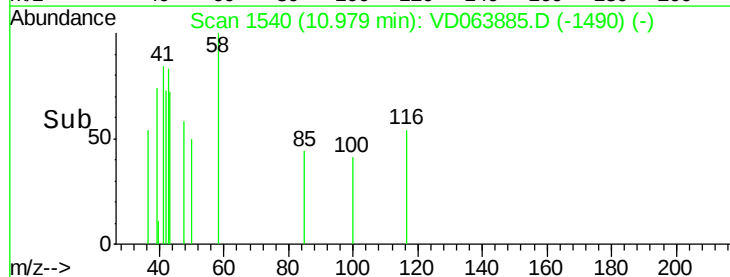
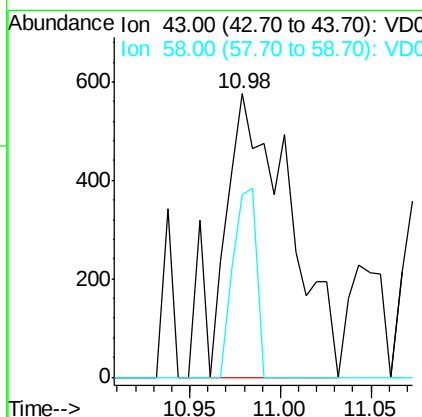
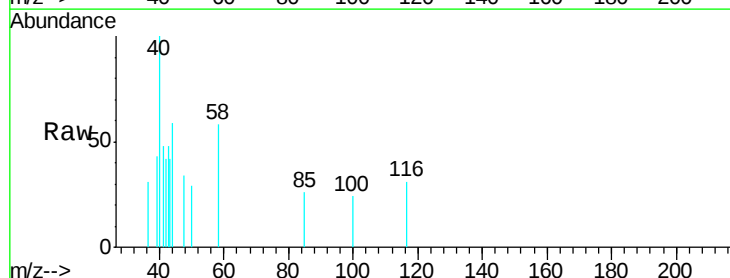
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBL01

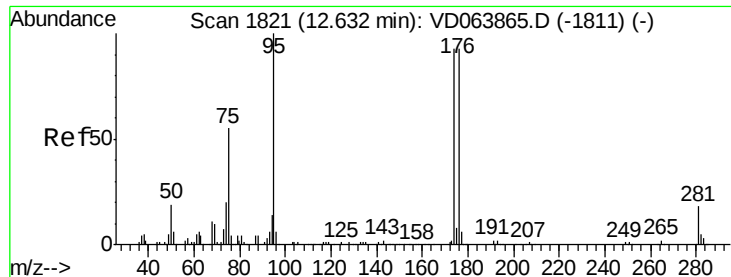
Tgt Ion: 63 Resp: 7015
 Ion Ratio Lower Upper
 63 100
 106 25.9 24.3 36.5



#59
 2-Hexanone
 Concen: 1.570 ug/l
 RT: 10.98 min Scan# 1540
 Delta R.T. -0.01 min
 Lab File: VD063885.D
 Acq: 04 Oct 2019 12:24

Tgt Ion: 43 Resp: 1468
 Ion Ratio Lower Upper
 43 100
 58 23.5 27.7 83.0#





#62

4-Bromofluorobenzene

Concen: 45.385 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063885.D

Acq: 04 Oct 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBL01

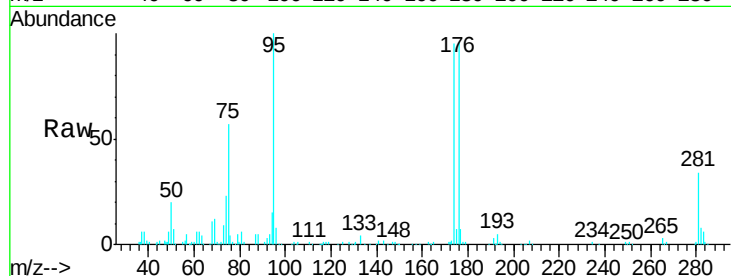
Tgt Ion: 95 Resp: 127187

Ion Ratio Lower Upper

95 100

174 93.9 0.0 186.4

176 91.1 0.0 184.2



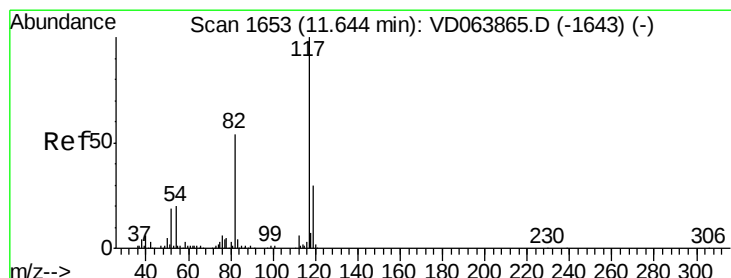
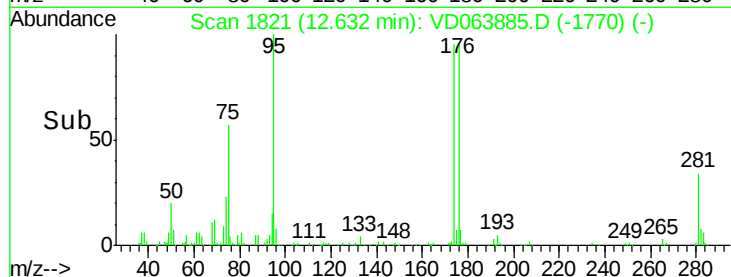
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD063885.D

Acq: 04 Oct 2019 12:24

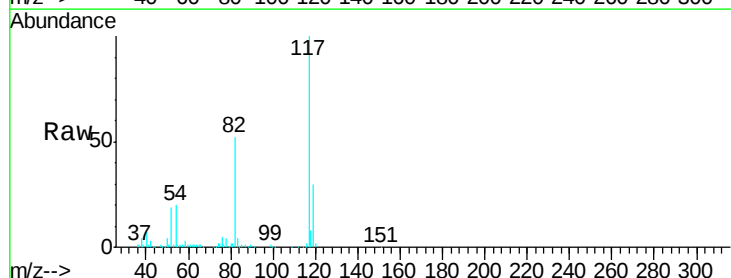
Tgt Ion: 117 Resp: 313472

Ion Ratio Lower Upper

117 100

82 51.8 42.8 64.2

119 30.3 24.4 36.6



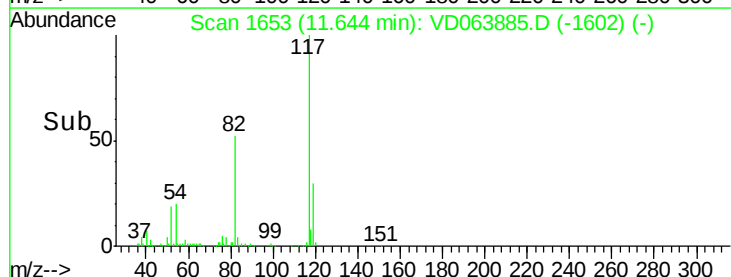
Abundance Ion 116.90 (116.60 to 117.60): V

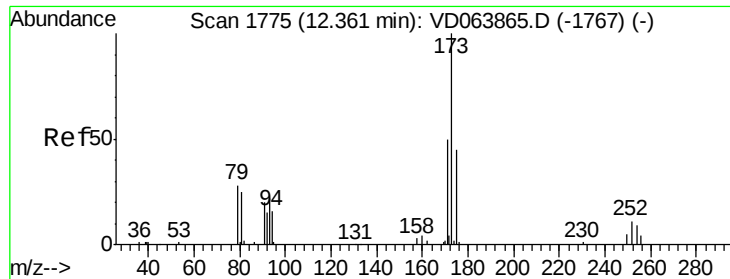
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.64

Time-->

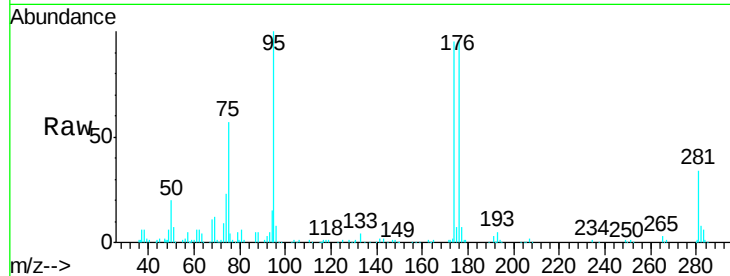




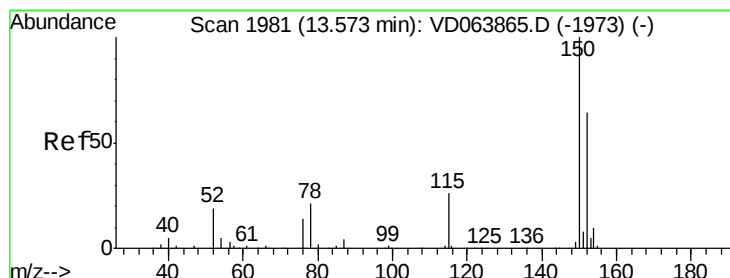
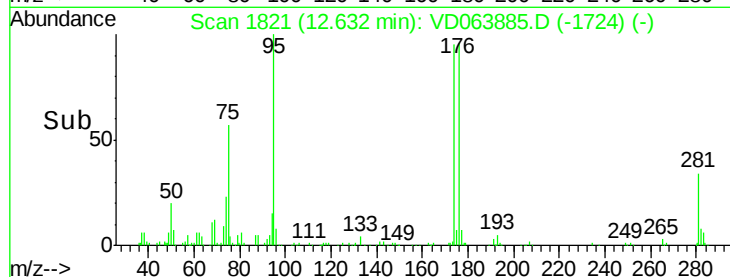
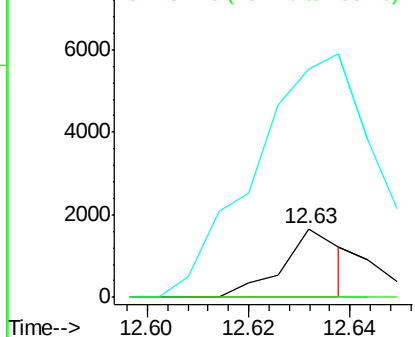
#71
Bromoform
Concen: 1.075 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD063885.D
Acq: 04 Oct 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBL01

Tgt Ion:173 Resp: 1338
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0

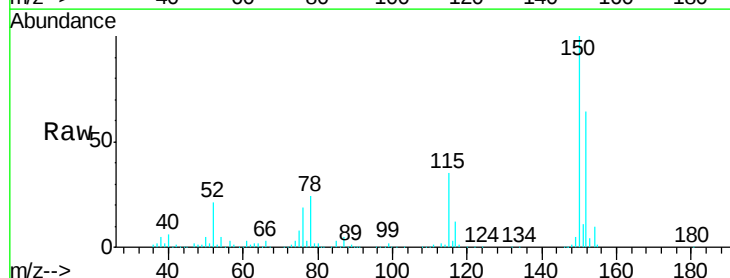


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

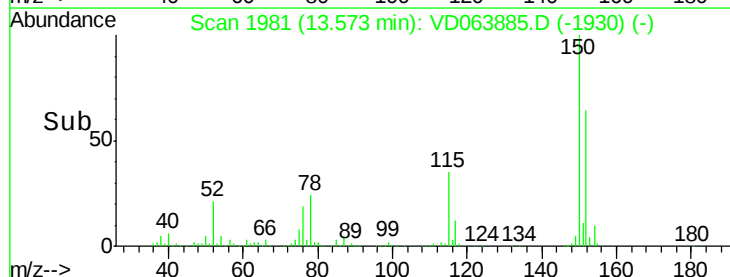
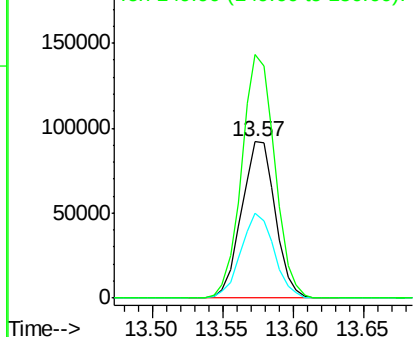


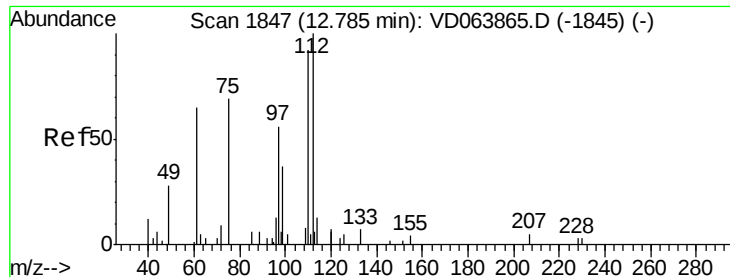
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063885.D
Acq: 04 Oct 2019 12:24

Tgt Ion:152 Resp: 153922
Ion Ratio Lower Upper
152 100
115 53.5 25.9 77.7
150 152.9 0.0 344.2



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





#76

1,2,3-Trichloropropane

Concen: 67.927 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063885.D

Acq: 04 Oct 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

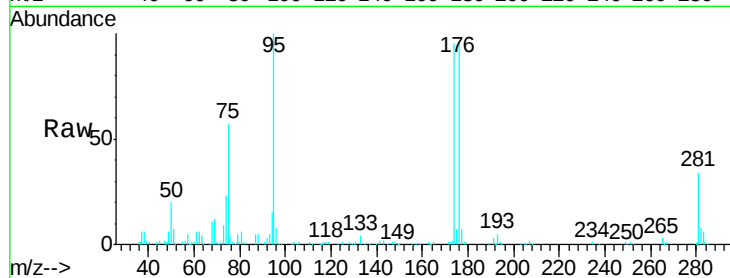
VD1004SBL01

Tgt Ion: 75 Resp: 70028

Ion Ratio Lower Upper

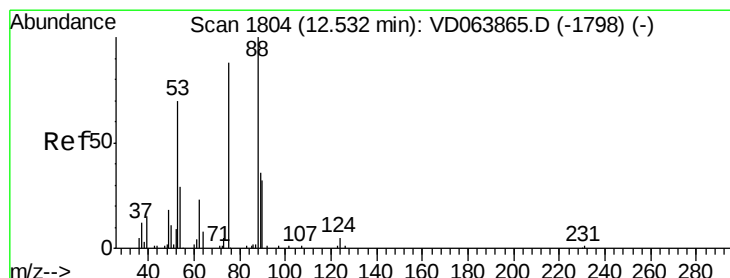
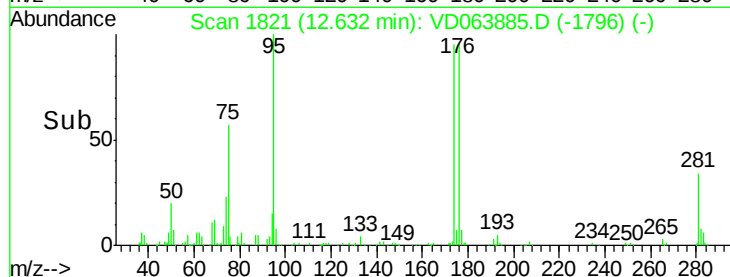
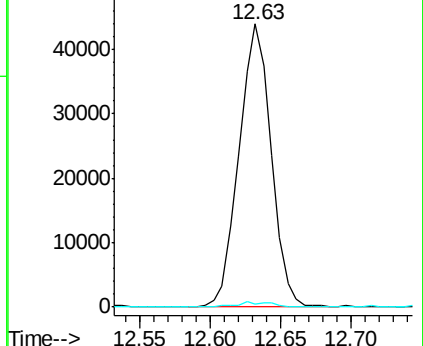
75 100

77 1.9 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: 120.204 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063885.D

Acq: 04 Oct 2019 12:24

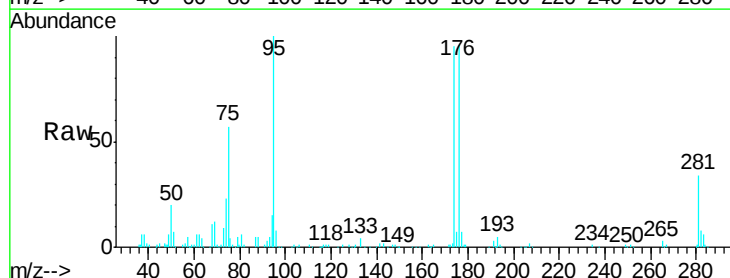
Tgt Ion: 75 Resp: 70028

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

89 0.3 38.2 57.4#



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

