

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065201.D
 Acq On : 17 Feb 2020 17:20
 Operator : VA/SY
 Sample : L1531-02RE
 Misc : 7.50G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WFD-SB-103-1.5-2.5RE

Quant Time: Feb 18 03:16:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	3850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	4210	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	3504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	1862	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	781	23.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.74%	
35) Dibromofluoromethane	7.92	113	1148	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	10.34	98	4445	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
62) 4-Bromofluorobenzene	12.63	95	1248	42.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	133	4.151	ug/l #	43
3) Chloromethane	2.20	50	349	9.254	ug/l #	40
4) Vinyl Chloride	2.34	62	54	1.354	ug/l #	42
5) Bromomethane	2.80	94	315	12.180	ug/l #	62
7) Trichlorofluoromethane	3.27	101	121	2.085	ug/l #	18
12) 1,1-Dichloroethene	4.07	96	141	4.149	ug/l #	1
13) Acrolein	3.66	56	71	28.873	ug/l #	56
14) Allyl chloride	4.71	41	170	3.010	ug/l #	48
16) Acetone	4.17	43	55041	6727.909	ug/l	98
17) Carbon Disulfide	4.40	76	2466	22.600	ug/l #	74
18) Methyl Acetate	4.74	43	84	4.914	ug/l #	52
19) Methyl tert-butyl Ether	5.46	73	180	2.395	ug/l #	55
20) Methylene Chloride	4.96	84	10265	305.064	ug/l #	90
21) trans-1,2-Dichloroethene	5.47	96	68	1.769	ug/l #	1
25) 2-Butanone	7.23	43	10107	1035.689	ug/l #	88
27) cis-1,2-Dichloroethene	7.22	96	192	4.700	ug/l #	60
29) Tetrahydrofuran	7.56	42	54	9.150	ug/l #	34
36) 1,1-Dichloropropene	7.99	75	65	1.660	ug/l #	41
37) Ethyl Acetate	7.31	43	402	25.136	ug/l #	69
38) Carbon Tetrachloride	8.11	117	60	1.501	ug/l #	11
39) Methylcyclohexane	9.35	83	1297	26.842	ug/l #	82
40) Benzene	8.35	78	617	5.708	ug/l #	51
41) Methacrylonitrile	7.56	41	60	6.810	ug/l #	19
43) Isopropyl Acetate	8.47	43	74	2.419	ug/l #	52
44) Trichloroethene	9.12	130	314	10.119	ug/l	56
48) Methyl methacrylate	9.53	41	78	5.298	ug/l #	83
51) 4-Methyl-2-Pentanone	10.24	43	56	3.719	ug/l #	37
52) Toluene	10.40	92	571	8.276	ug/l #	75
55) 1,1,2-Trichloroethane	10.78	97	184	9.849	ug/l #	17
56) Ethyl methacrylate	10.53	69	317	13.411	ug/l #	1
59) 2-Hexanone	10.98	43	152	14.251	ug/l #	26
60) Dibromochloromethane	10.88	129	629	25.995	ug/l #	11
64) Tetrachloroethene	10.89	164	1196	47.502	ug/l #	54
67) Ethyl Benzene	11.75	91	1013	8.227	ug/l #	85

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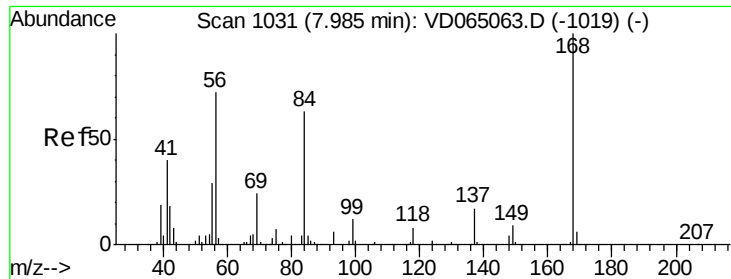
Instrument :
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

68) m/p-Xylenes	11.86	106	856	18.215	ug/l	79
69) o-Xylene	12.19	106	294	6.947	ug/l	94
70) Styrene	12.20	104	201	2.733	ug/l #	26
74) N-amy1 acetate	12.26	43	58	2.088	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	13.00	83	262	13.026	ug/l #	26
76) 1,2,3-Trichloropropane	12.64	75	516	36.603	ug/l #	100
78) n-propylbenzene	12.83	91	531	3.548	ug/l #	52
79) 2-Chlorotoluene	12.91	91	156	1.870	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.97	105	603	5.767	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.64	75	516	73.203	ug/l #	10
82) 4-Chlorotoluene	13.01	91	149	1.701	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.28	105	774	7.457	ug/l #	61
85) sec-Butylbenzene	13.41	105	245	1.989	ug/l #	56
86) p-Isopropyltoluene	13.53	119	244	2.132	ug/l #	50
89) n-Butylbenzene	13.86	91	351	3.322	ug/l #	51
90) Hexachloroethane	14.11	117	95	4.383	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.17	180	149	4.222	ug/l #	43
95) Naphthalene	15.41	128	1549	26.406	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.61	180	126	4.174	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

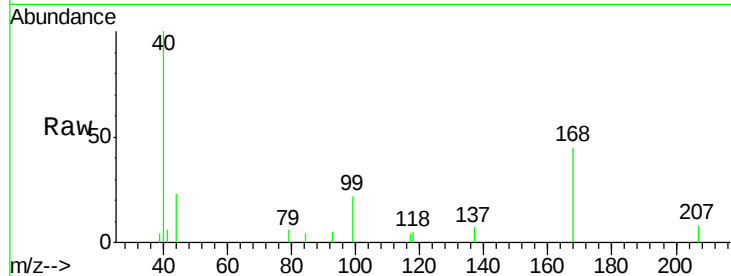
WFD-SB-103-1.5-2.5RE

Tot Ion:168 Resp: 3850

Ion Ratio Lower Upper

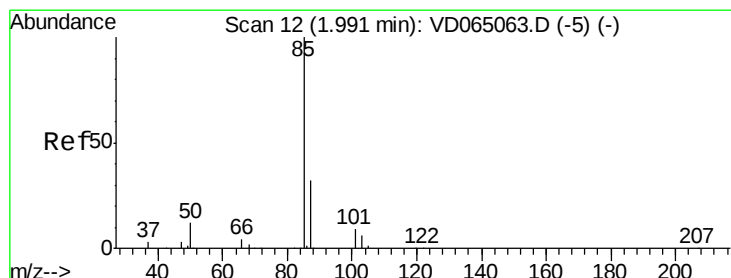
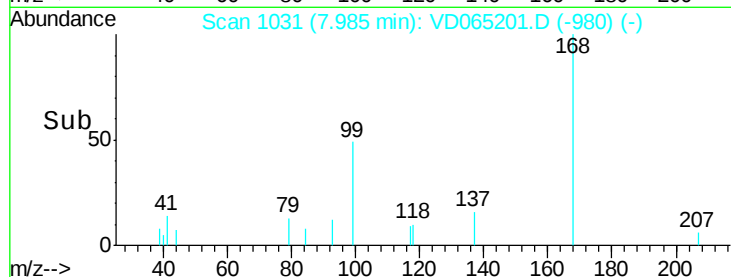
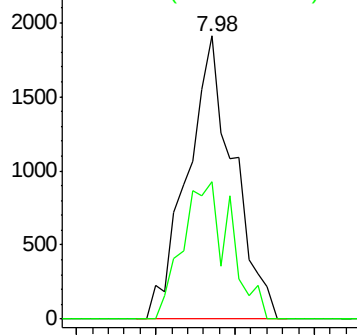
168 100

99 48.8 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 4.151 ug/l

RT: 2.00 min Scan# 14

Delta R.T. 0.01 min

Lab File: VD065201.D

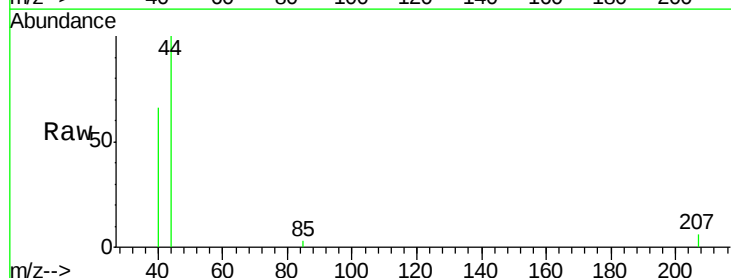
Acq: 17 Feb 2020 17:20

Tgt Ion: 85 Resp: 133

Ion Ratio Lower Upper

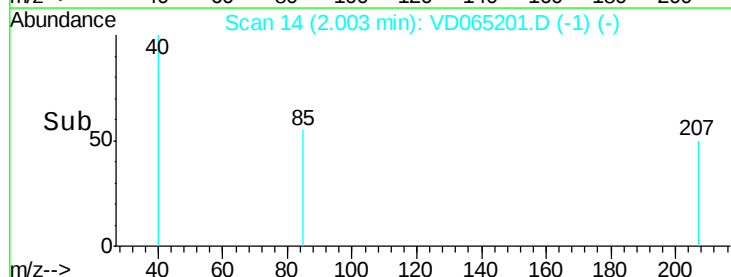
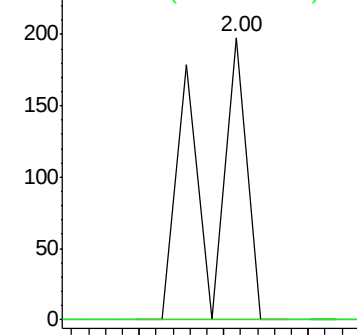
85 100

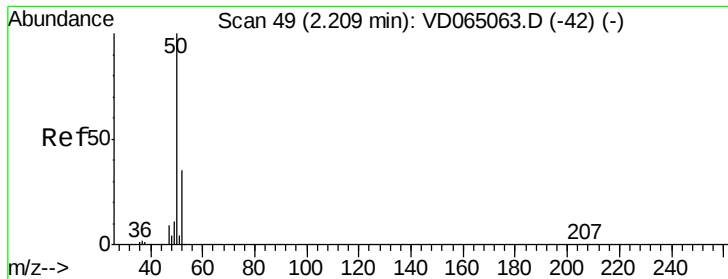
87 0.0 15.8 47.3#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 9.254 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

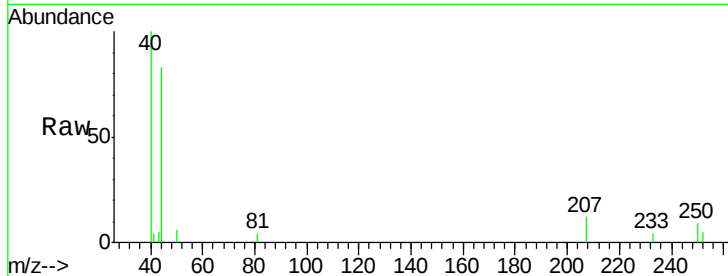
WFD-SB-103-1.5-2.5RE

Tot Ion: 50 Resp: 349

Ion Ratio Lower Upper

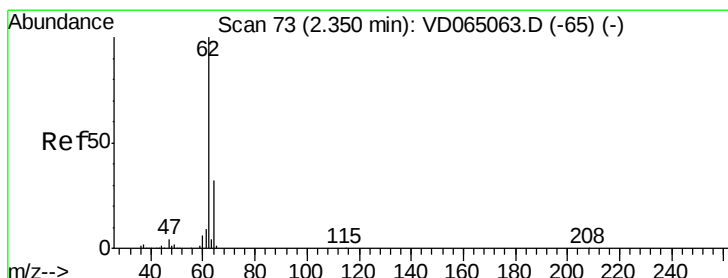
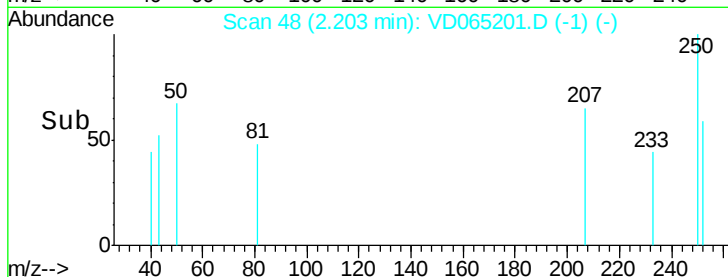
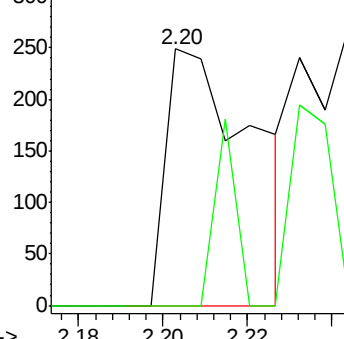
50 100

52 0.0 27.8 41.6#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 1.354 ug/l

RT: 2.34 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD065201.D

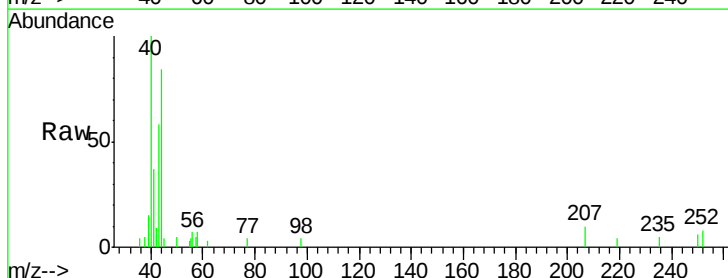
Acq: 17 Feb 2020 17:20

Tgt Ion: 62 Resp: 54

Ion Ratio Lower Upper

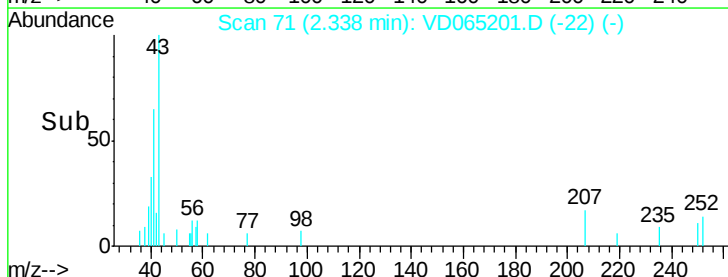
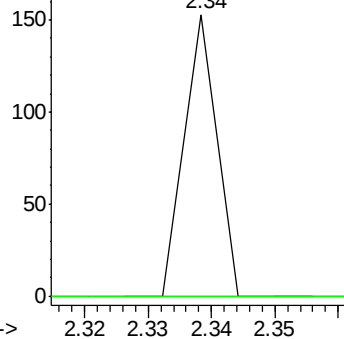
62 100

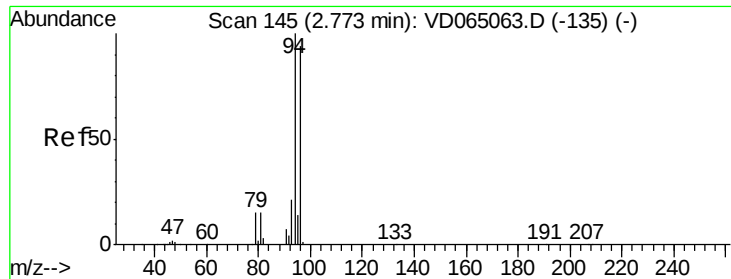
64 0.0 25.9 38.9#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 12.180 ug/l

RT: 2.80 min Scan# 149

Delta R.T. 0.02 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

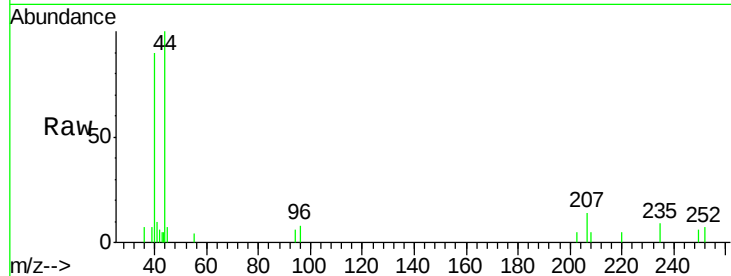
WFD-SB-103-1.5-2.5RE

Tot Ion: 94 Resp: 315

Ion Ratio Lower Upper

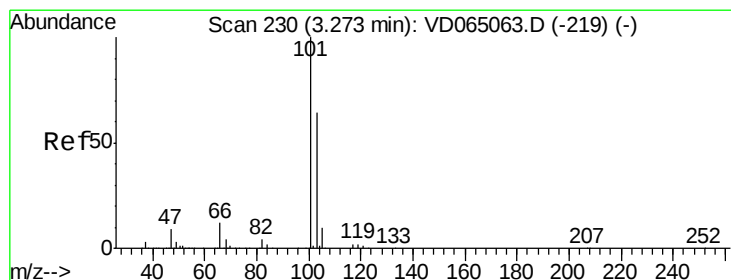
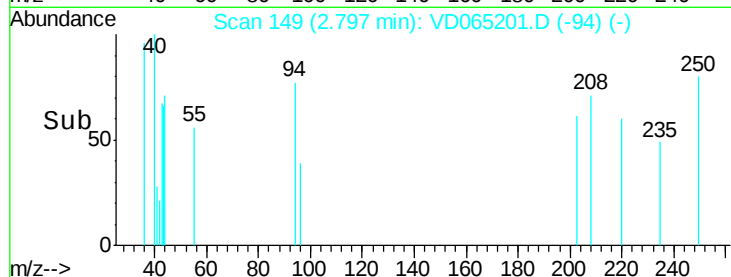
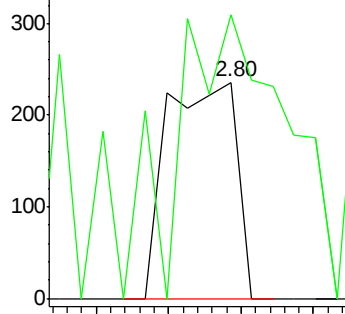
94 100

96 130.9 75.4 113.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#7

Trichlorofluoromethane

Concen: 2.085 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD065201.D

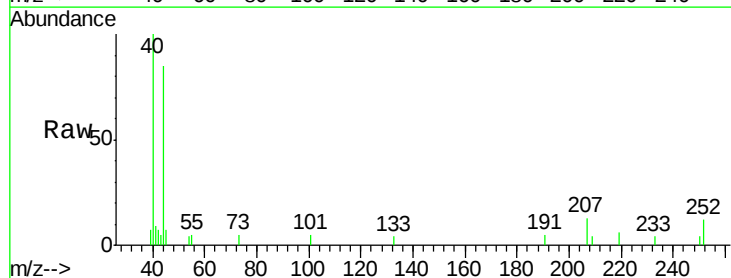
Acq: 17 Feb 2020 17:20

Tgt Ion: 101 Resp: 121

Ion Ratio Lower Upper

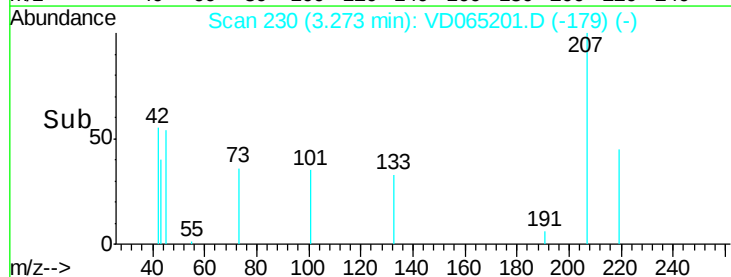
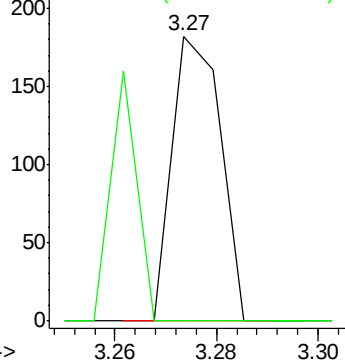
101 100

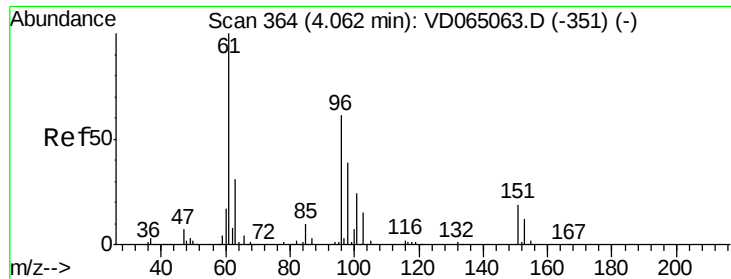
103 0.0 51.0 76.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

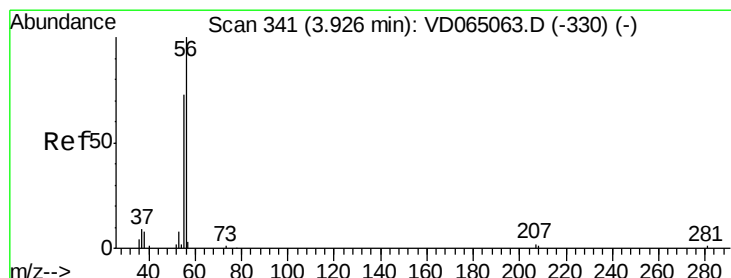
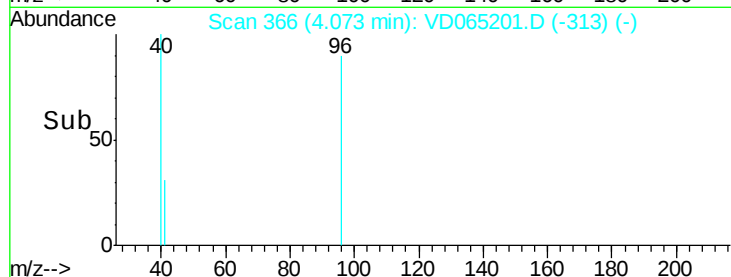
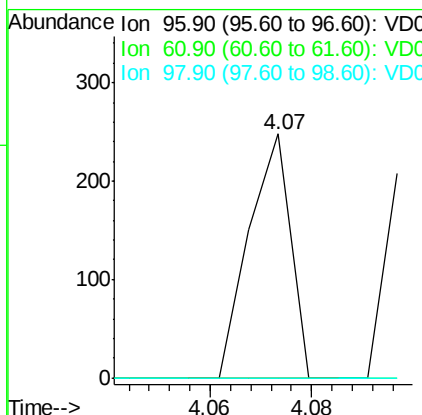
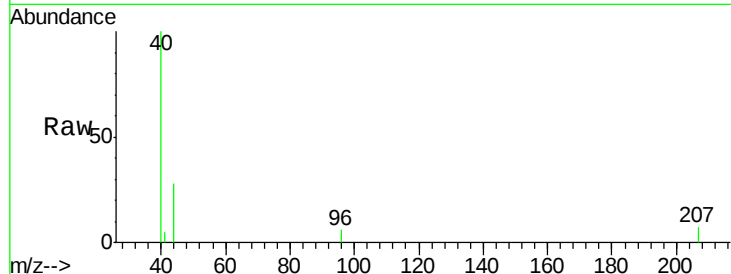




#12
 1,1-Dichloroethene
 Concen: 4.149 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD065201.D
 Acq: 17 Feb 2020 17:20

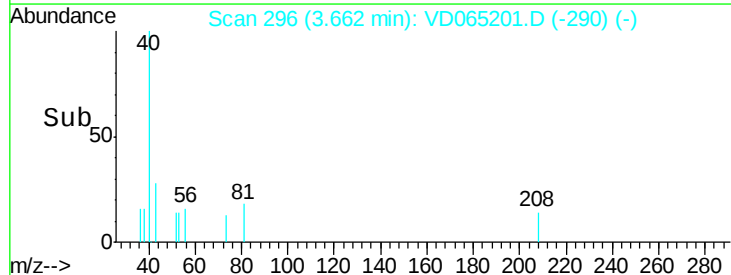
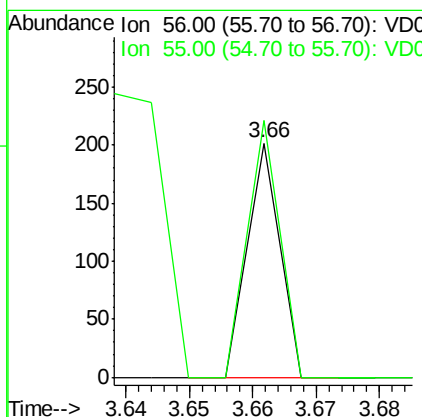
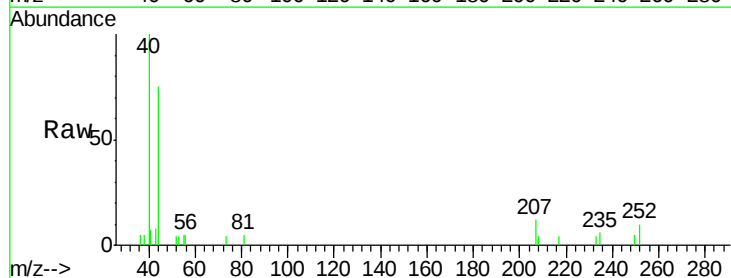
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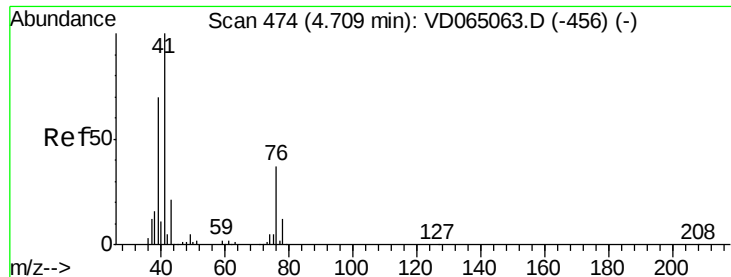
Tot Ion: 96 Resp: 141
 Ion Ratio Lower Upper
 96 100
 61 0.0 131.4 197.2#
 98 0.0 51.1 76.7#



#13
 Acrolein
 Concen: 28.873 ug/l
 RT: 3.66 min Scan# 296
 Delta R.T. -0.26 min
 Lab File: VD065201.D
 Acq: 17 Feb 2020 17:20

Tgt Ion: 56 Resp: 71
 Ion Ratio Lower Upper
 56 100
 55 109.9 58.2 87.2#





#14

Allvl chloride

Concen: 3.010 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

WFD-SB-103-1.5-2.5RE

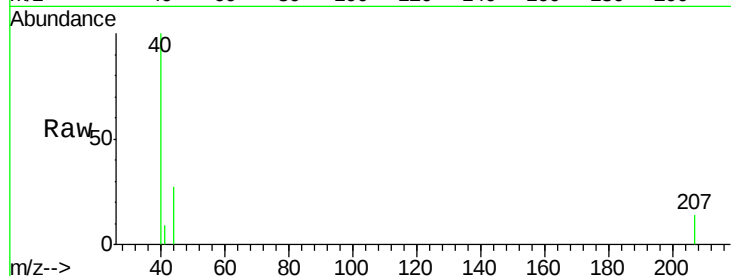
Tot Ion: 41 Resp: 170

Ion Ratio Lower Upper

41 100

39 31.2 57.1 85.7#

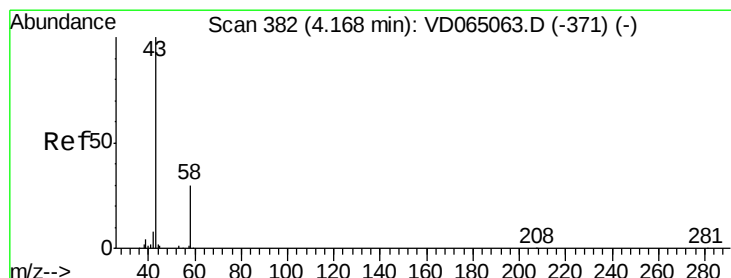
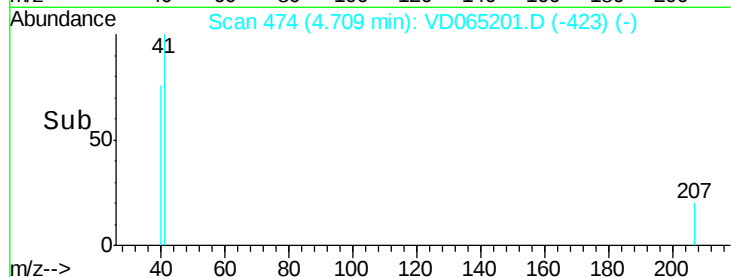
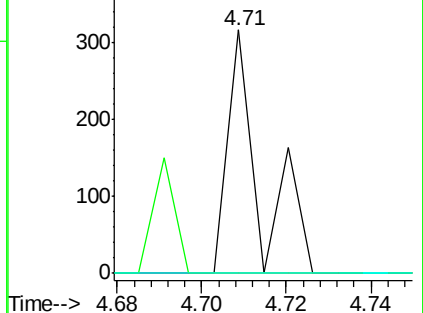
76 0.0 28.0 42.0#



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



#16

Acetone

Concen: 6727.909 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065201.D

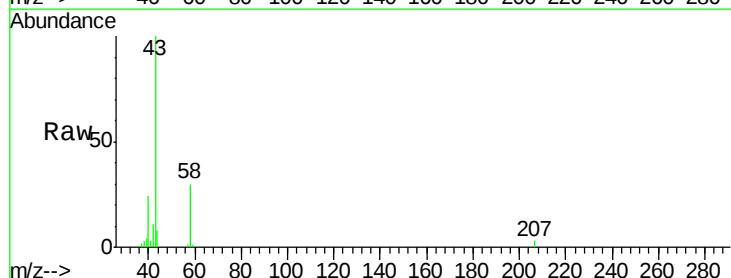
Acq: 17 Feb 2020 17:20

Tgt Ion: 43 Resp: 55041

Ion Ratio Lower Upper

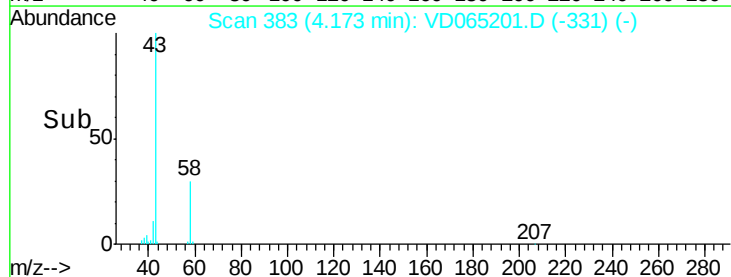
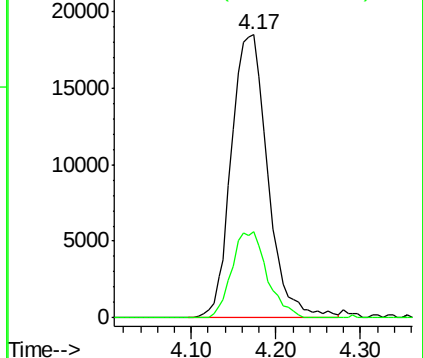
43 100

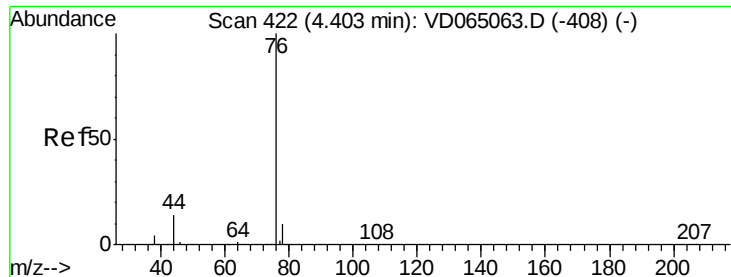
58 30.4 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 22.600 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

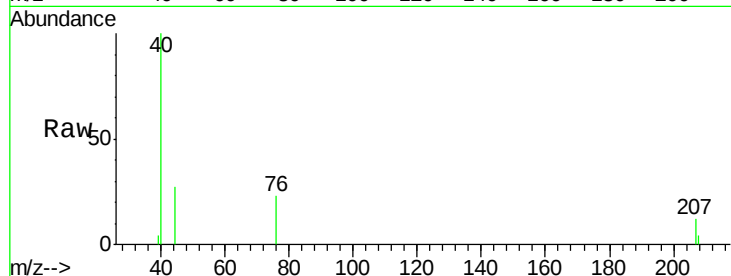
WFD-SB-103-1.5-2.5RE

Tot Ion: 76 Resp: 2466

Ion Ratio Lower Upper

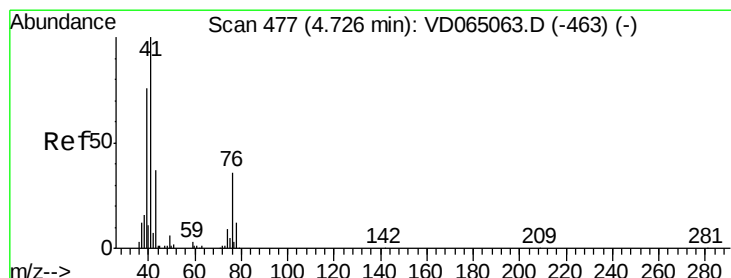
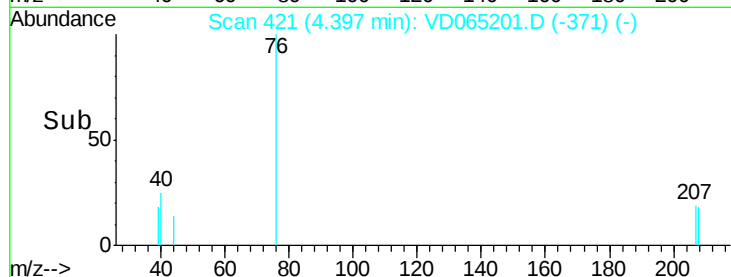
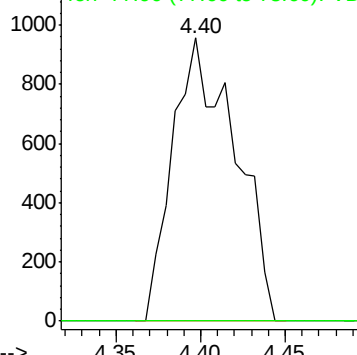
76 100

78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 4.914 ug/l

RT: 4.74 min Scan# 480

Delta R.T. 0.02 min

Lab File: VD065201.D

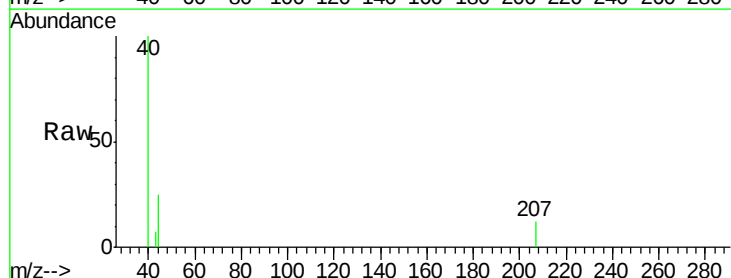
Acq: 17 Feb 2020 17:20

Tgt Ion: 43 Resp: 84

Ion Ratio Lower Upper

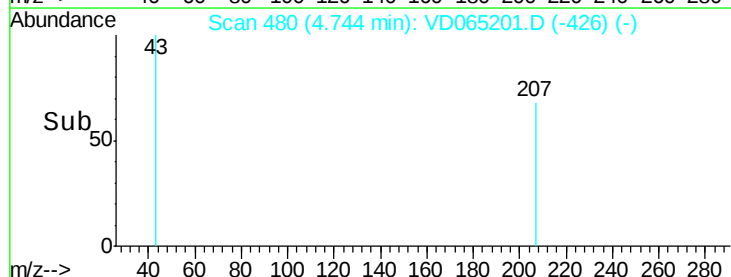
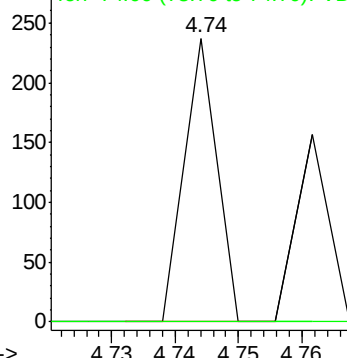
43 100

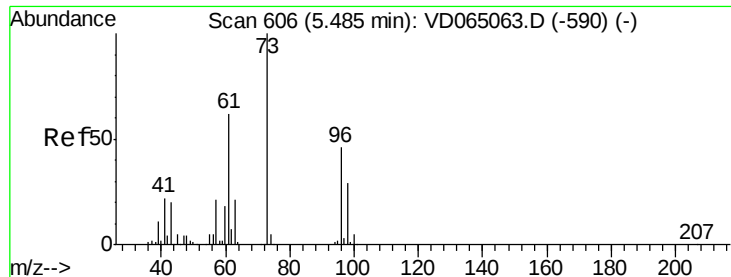
74 0.0 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



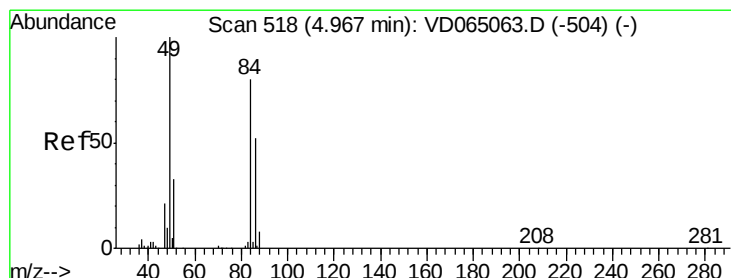
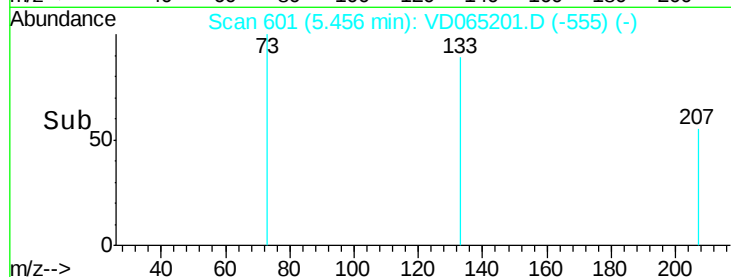
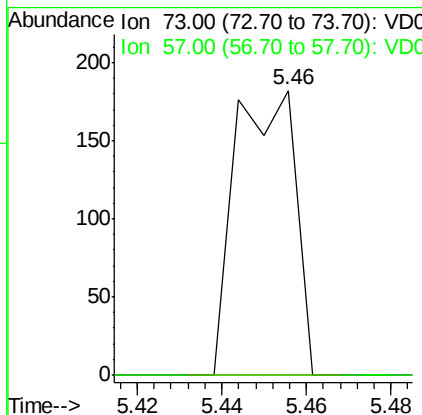
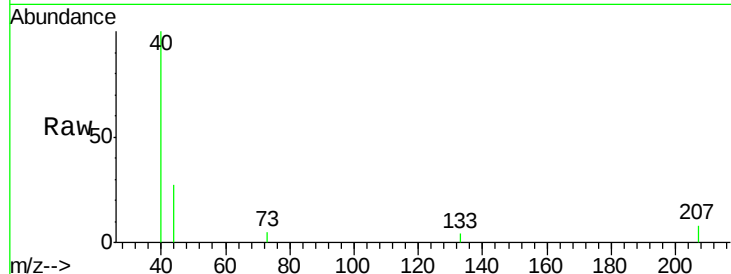


#19

Methyl tert-butyl Ether
 Concen: 2.395 ug/l
 RT: 5.46 min Scan# 601
 Delta R.T. -0.03 min
 Lab File: VD065201.D
 Acq: 17 Feb 2020 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 WFD-SB-103-1.5-2.5RE

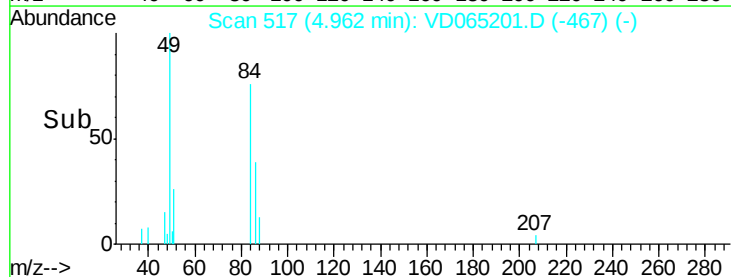
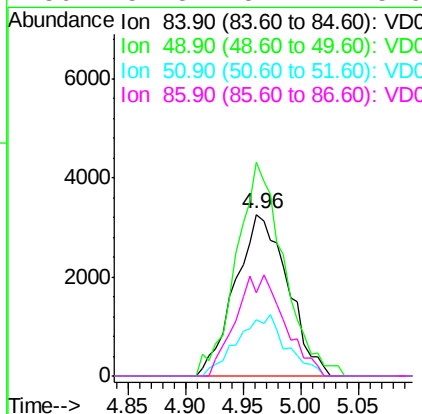
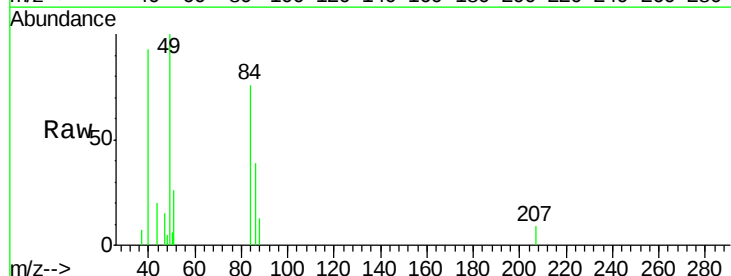
Tot Ion: 73 Resp: 180
 Ion Ratio Lower Upper
 73 100
 57 0.0 16.8 25.2#

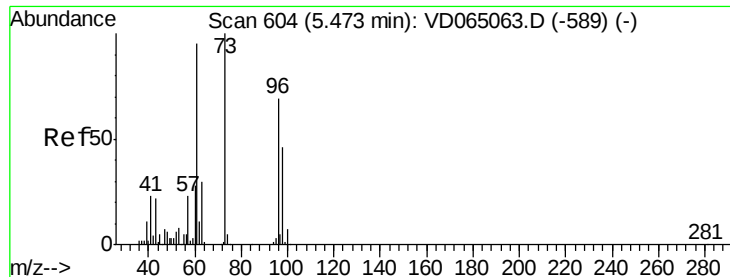


#20

Methylene Chloride
 Concen: 305.064 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065201.D
 Acq: 17 Feb 2020 17:20

Tgt Ion: 84 Resp: 10265
 Ion Ratio Lower Upper
 84 100
 49 132.0 100.4 150.6
 51 34.5 32.7 49.1
 86 51.8 52.4 78.6#





#21

trans-1,2-Dichloroethene

Concen: 1.769 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

WFD-SB-103-1.5-2.5RE

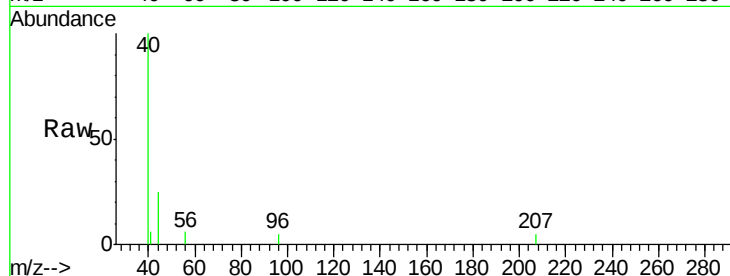
Tot Ion: 96 Resp: 68

Ion Ratio Lower Upper

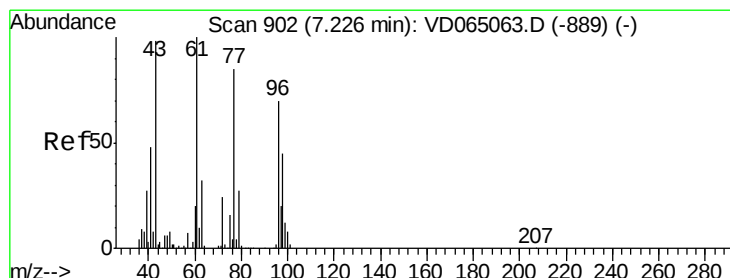
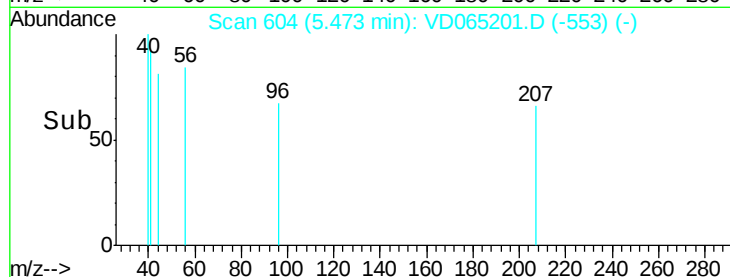
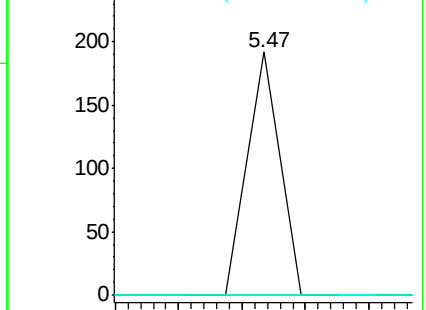
96 100

61 0.0 109.5 164.3#

98 0.0 53.7 80.5#



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



#25

2-Butanone

Concen: 1035.689 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD065201.D

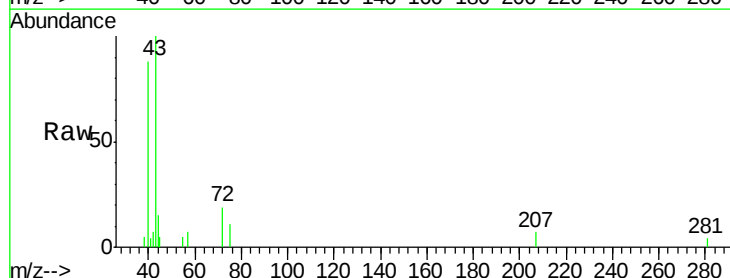
Acq: 17 Feb 2020 17:20

Tgt Ion: 43 Resp: 10107

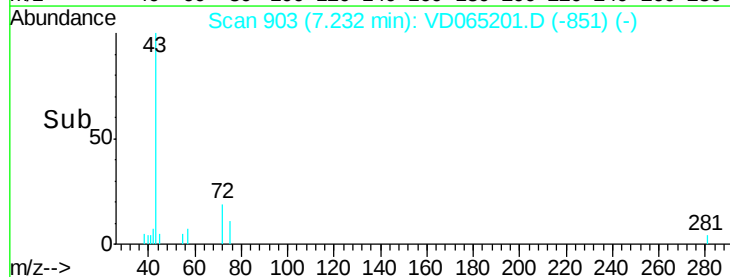
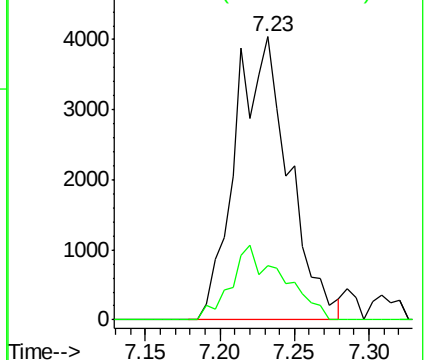
Ion Ratio Lower Upper

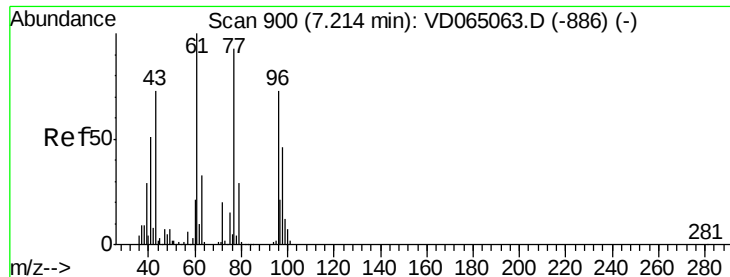
43 100

72 19.1 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



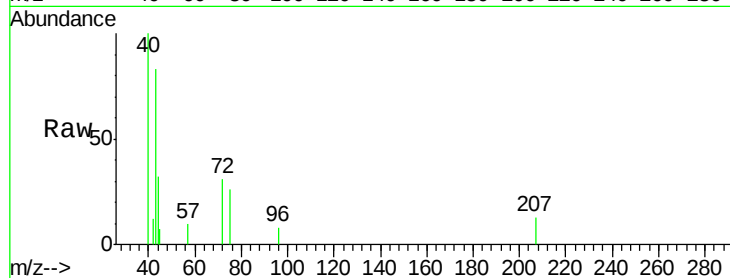


#27

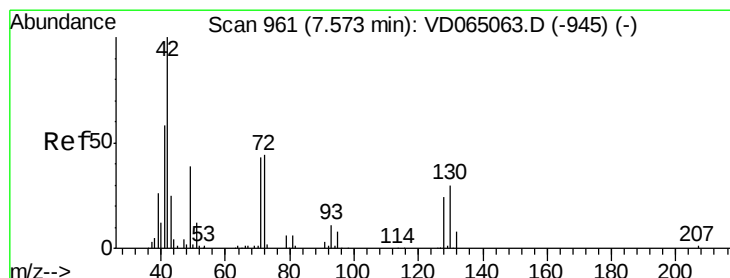
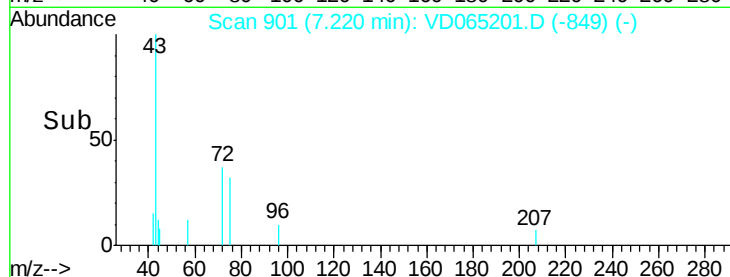
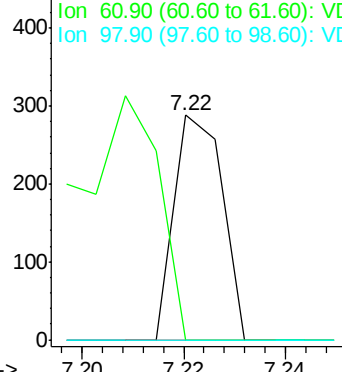
cis-1,2-Dichloroethene
Concen: 4.700 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065201.D
Acq: 17 Feb 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
WFD-SB-103-1.5-2.5RE

Tot Ion	Ratio	Lower	Upper
96	100		
61	172.9	0.0	292.8
98	0.0	0.0	128.8



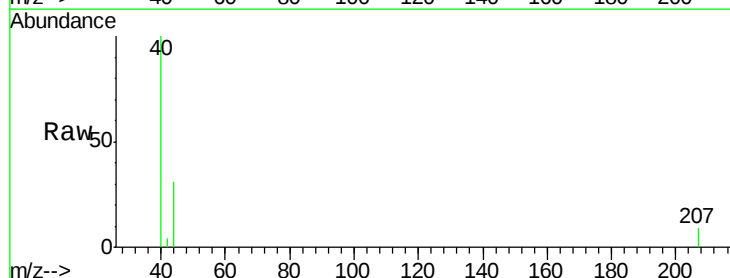
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



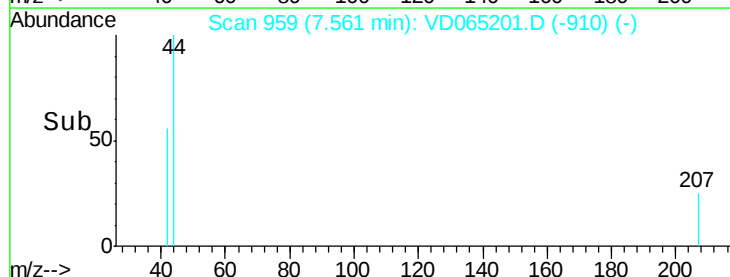
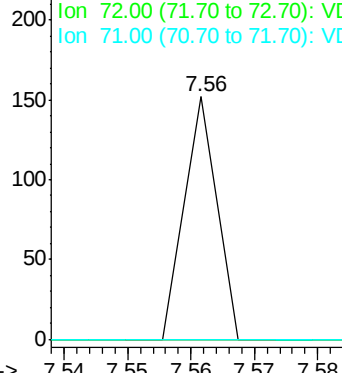
#29

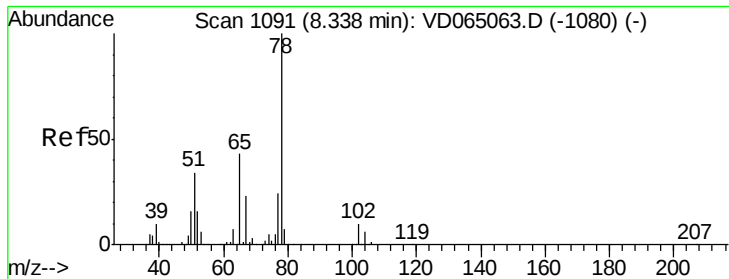
Tetrahydrofuran
Concen: 9.150 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065201.D
Acq: 17 Feb 2020 17:20

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.4#
71	0.0	31.8	47.6#



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





#33

1,2-Dichloroethane-d4

Concen: 23.868 ug/l

RT: 8.34 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

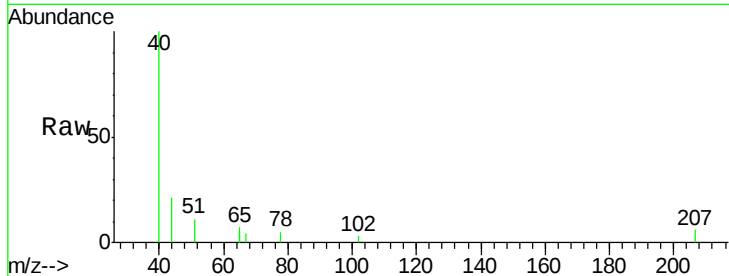
WFD-SB-103-1.5-2.5RE

Tot Ion: 65 Resp: 781

Ion Ratio Lower Upper

65 100

67 0.0 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

500

400

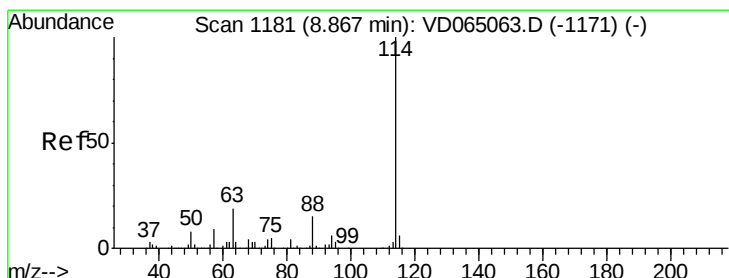
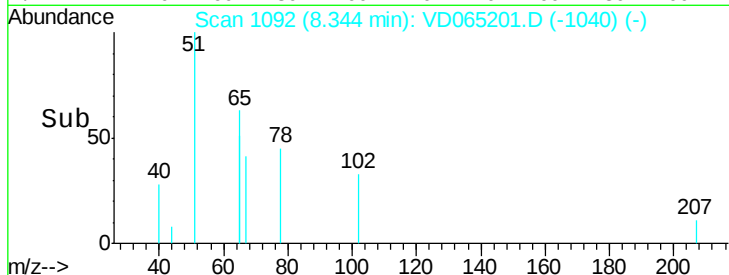
300

200

100

0

Time--> 8.30 8.32 8.34 8.36 8.38



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

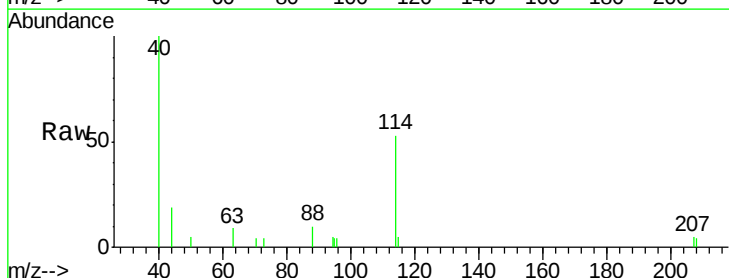
Tgt Ion: 114 Resp: 4210

Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.8

88 19.5 0.0 29.6



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

3000

2500

2000

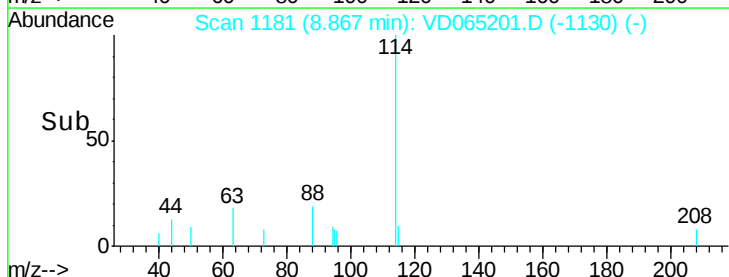
1500

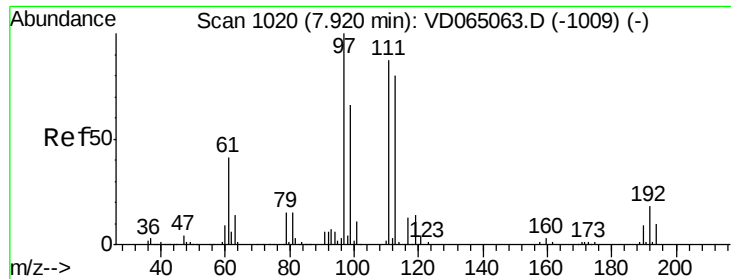
1000

500

0

Time--> 8.80 8.85 8.90





#35

Dibromofluoromethane

Concen: 48.874 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

WFD-SB-103-1.5-2.5RE

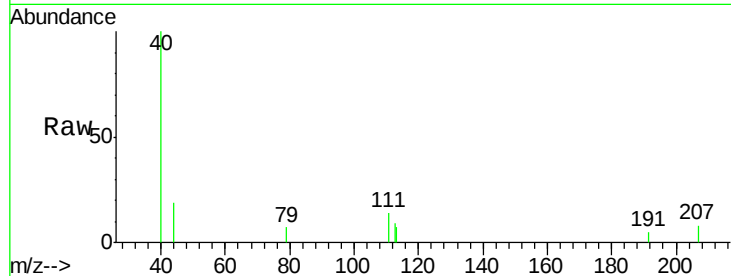
Tot Ion:113 Resp: 1148

Ion Ratio Lower Upper

113 100

111 77.2 83.1 124.7#

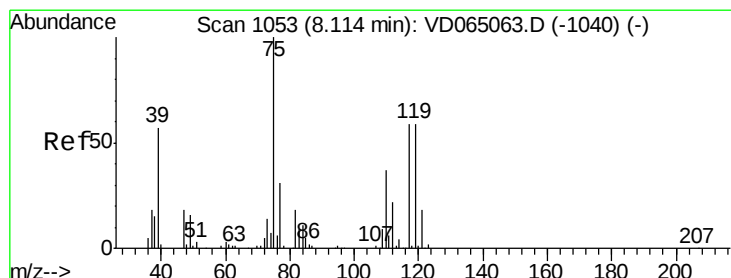
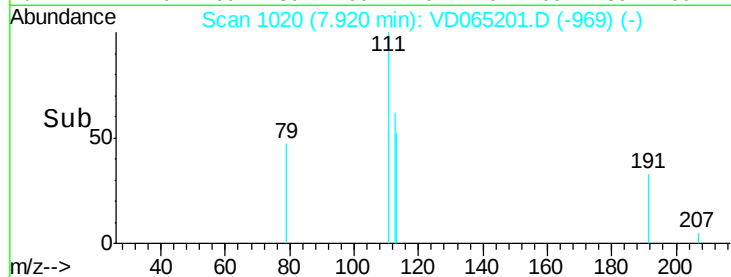
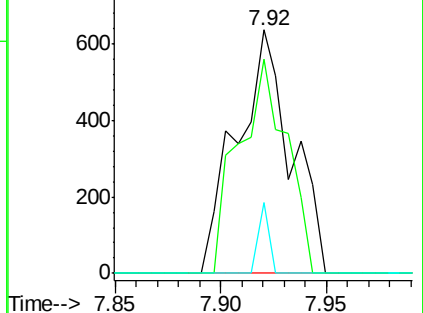
192 5.7 18.1 27.1#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 1.660 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.12 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

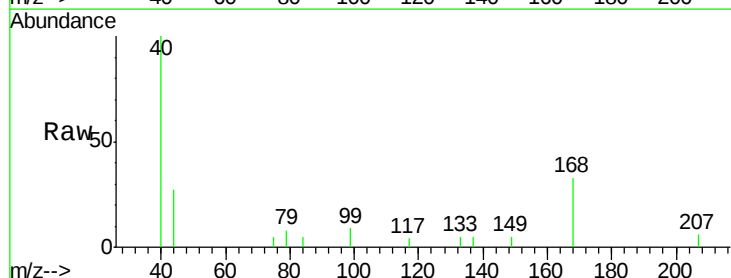
Tgt Ion: 75 Resp: 65

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.3#

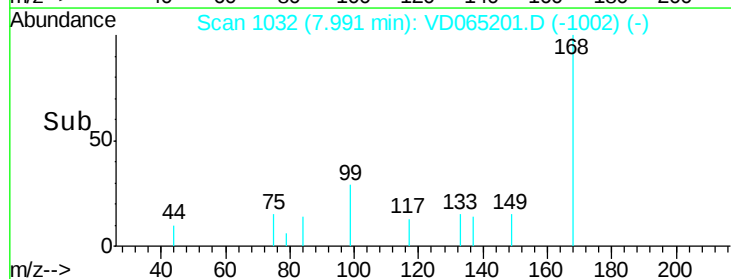
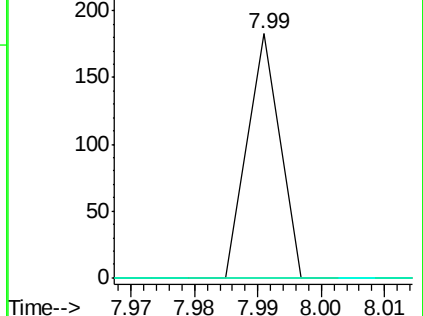
77 0.0 24.7 37.1#

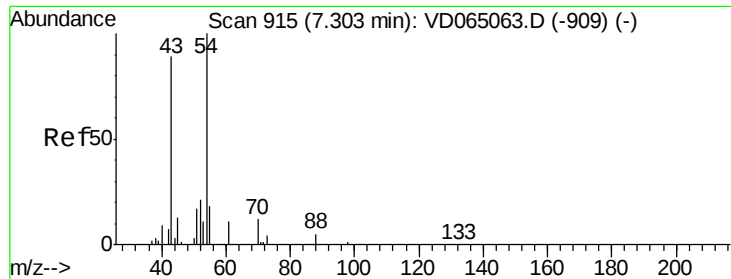


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

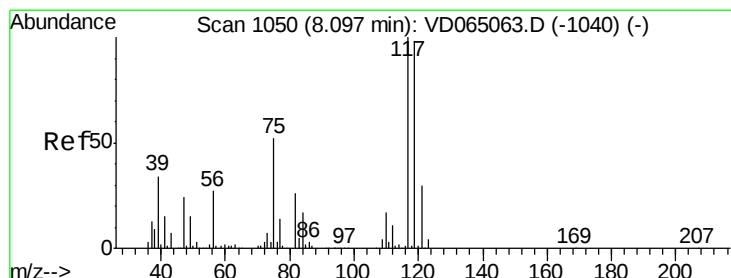
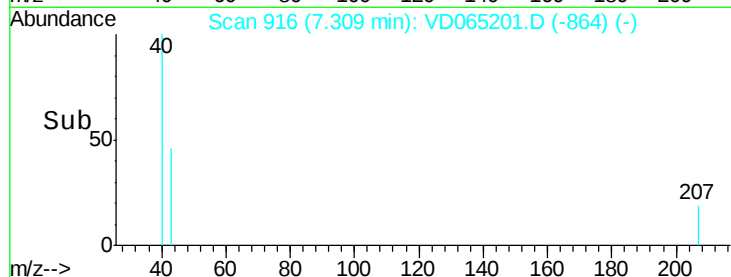
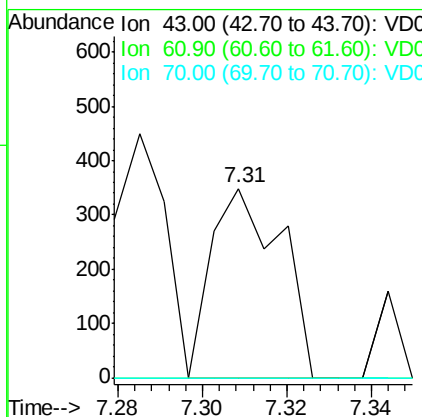
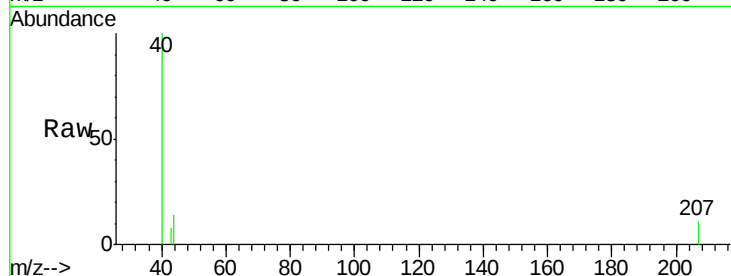




#37
Ethyl Acetate
Concen: 25.136 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD065201.D
Acq: 17 Feb 2020 17:20

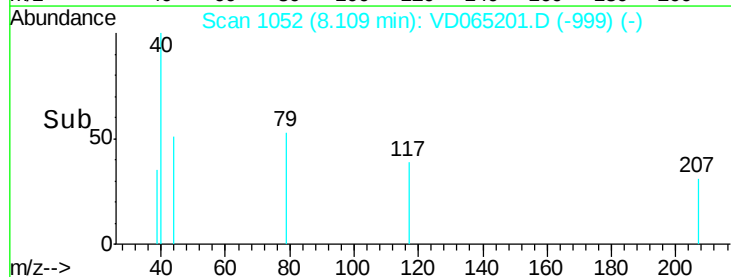
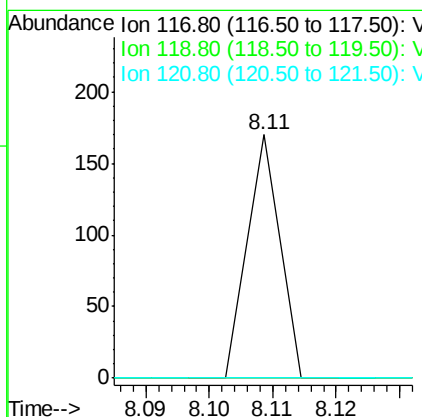
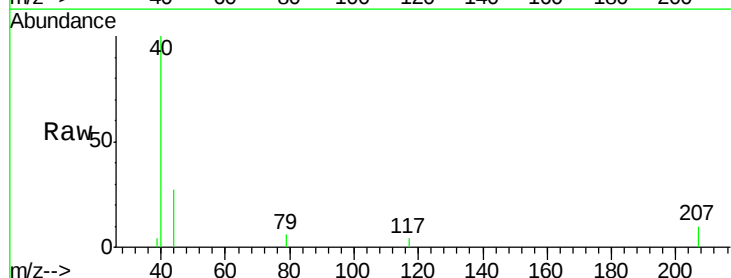
Instrument :
MSVOA_D
ClientSampleId :
WFD-SB-103-1.5-2.5RE

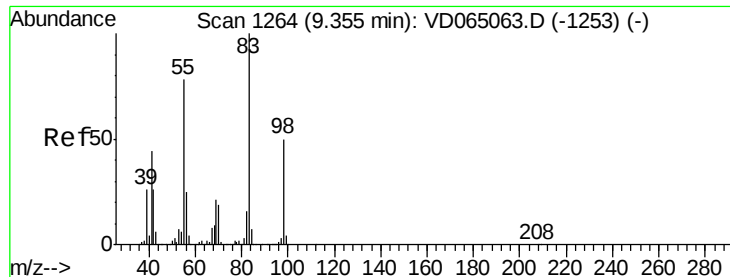
Tot Ion: 43 Resp: 402
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 0.0 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 1.501 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VD065201.D
Acq: 17 Feb 2020 17:20

Tgt Ion: 117 Resp: 60
Ion Ratio Lower Upper
117 100
119 0.0 78.5 117.7#
121 0.0 23.8 35.6#

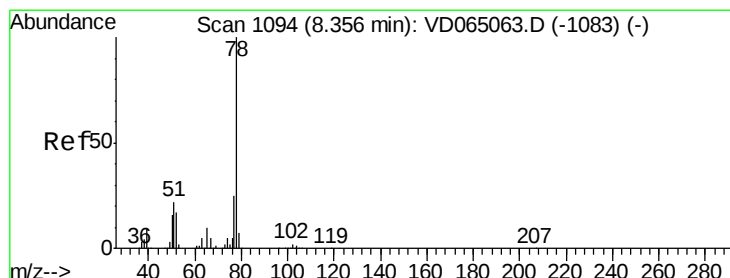
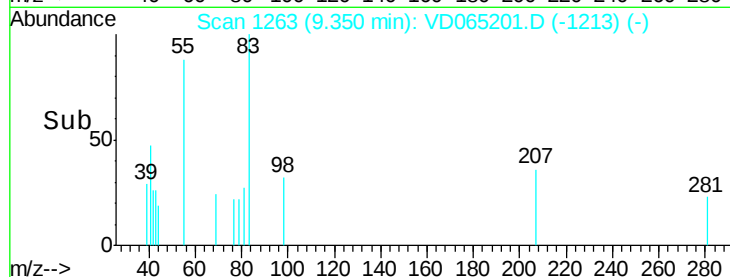
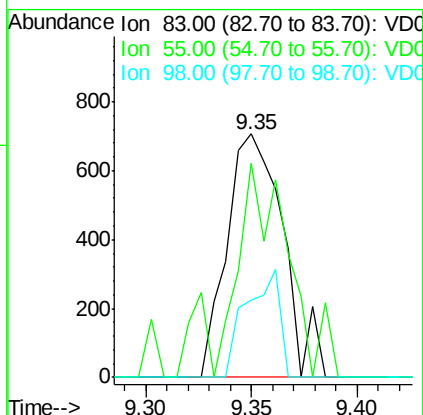
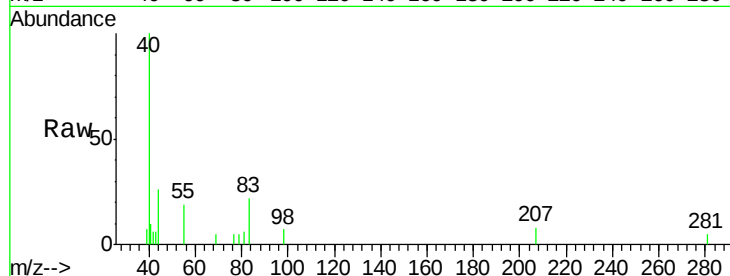




#39
Methvlcvclohexane
Concen: 26.842 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD065201.D
Acq: 17 Feb 2020 17:20

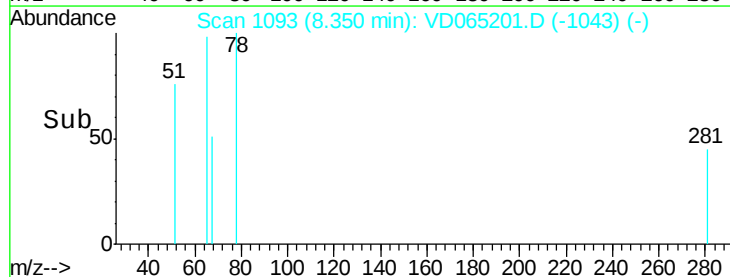
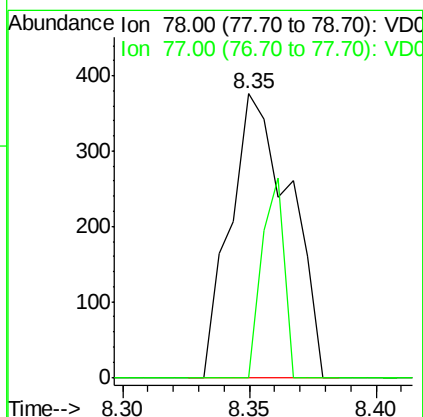
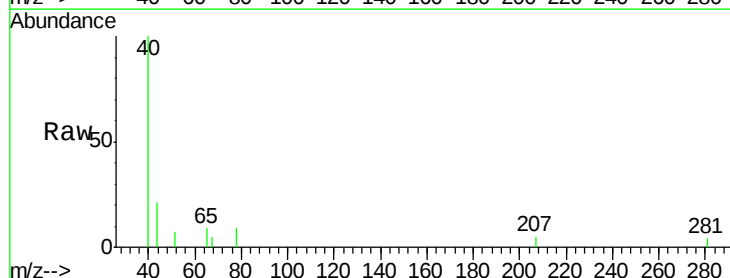
Instrument :
MSVOA_D
ClientSampleId :
WFD-SB-103-1.5-2.5RE

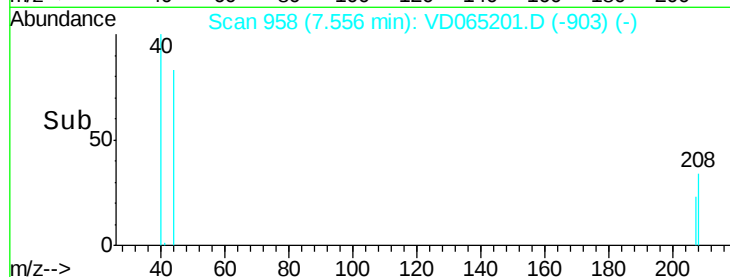
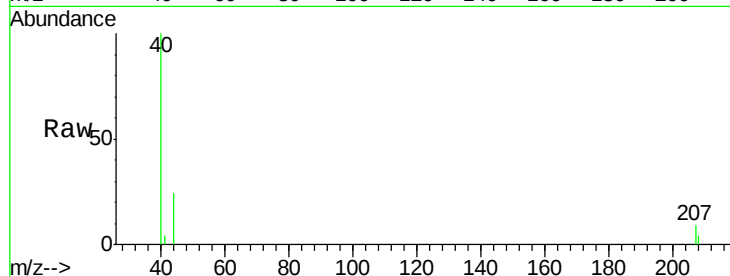
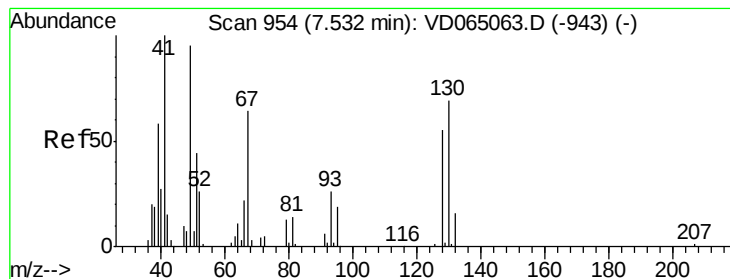
Tot Ion: 83 Resp: 1297
Ion Ratio Lower Upper
83 100
55 87.8 62.0 93.0
98 31.5 39.9 59.9#



#40
Benzene
Concen: 5.708 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065201.D
Acq: 17 Feb 2020 17:20

Tgt Ion: 78 Resp: 617
Ion Ratio Lower Upper
78 100
77 0.0 19.6 29.4#





#41

Methacrylonitrile

Concen: 6.810 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.02 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

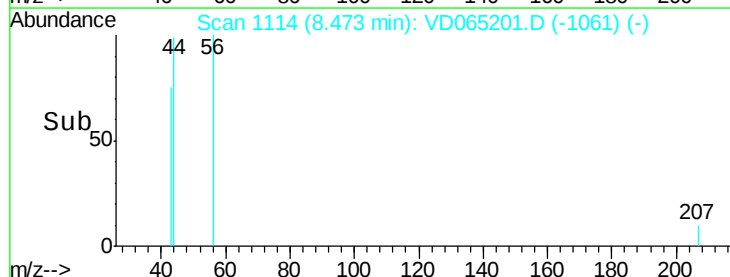
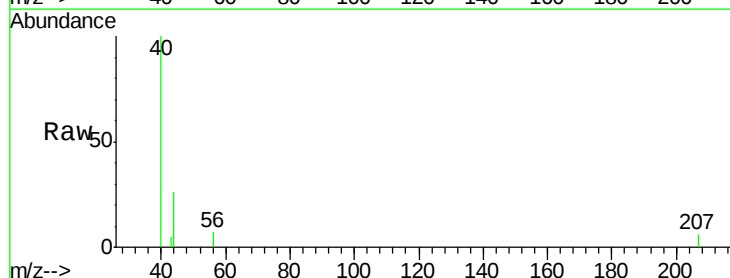
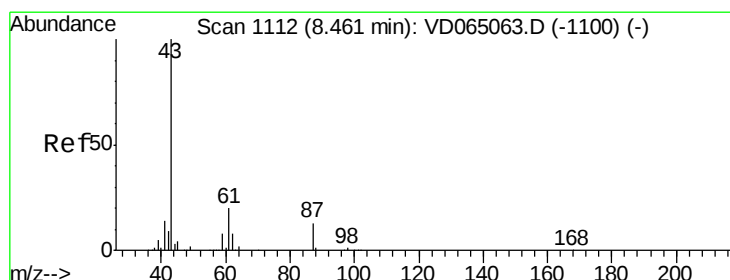
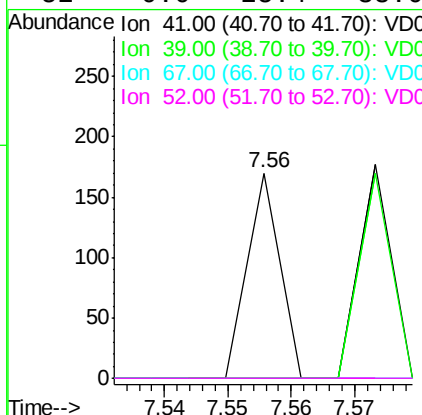
MSVOA_D

ClientSampleId :

WFD-SB-103-1.5-2.5RE

Tot Ion: 41 Resp: 60

Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.4	83.0#
67	0.0	59.0	88.6#
52	0.0	25.4	38.0#



#43

Isopropyl Acetate

Concen: 2.419 ug/l

RT: 8.47 min Scan# 1114

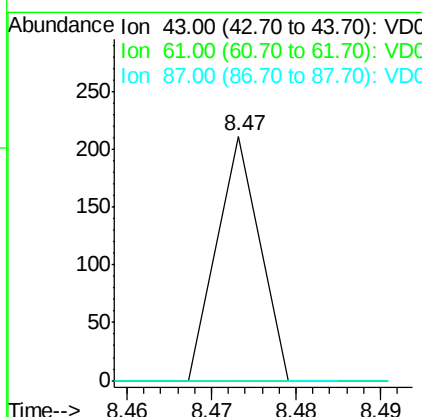
Delta R.T. 0.01 min

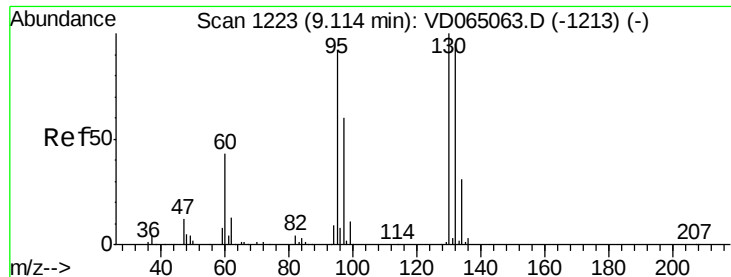
Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Tgt Ion: 43 Resp: 74

Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.0	36.0#
87	0.0	10.2	15.4#





#44

Trichloroethene

Concen: 10.119 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

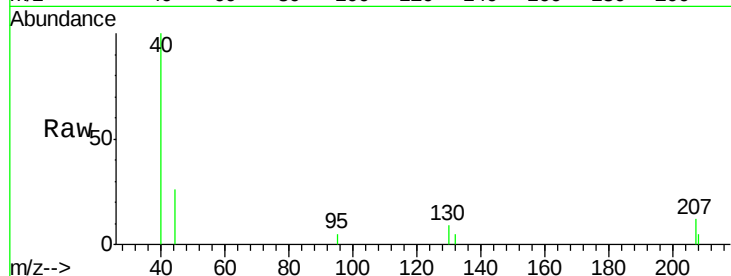
WFD-SB-103-1.5-2.5RE

Tot Ion:130 Resp: 314

Ion Ratio Lower Upper

130 100

95 50.4 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

9.12

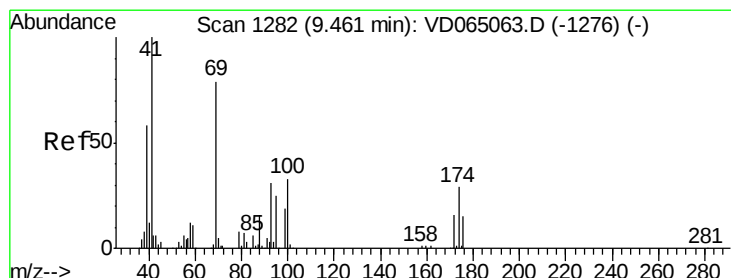
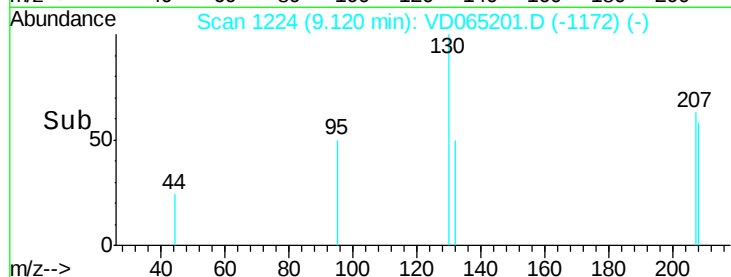
300

200

100

0

Time-->



#48

Methyl methacrylate

Concen: 5.298 ug/l

RT: 9.53 min Scan# 1294

Delta R.T. 0.07 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

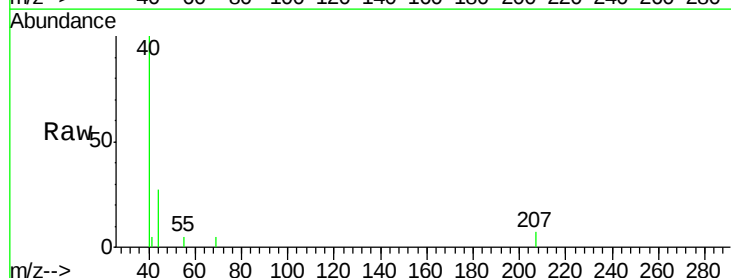
Tgt Ion: 41 Resp: 78

Ion Ratio Lower Upper

41 100

69 92.3 67.5 101.3

39 79.5 47.0 70.4#



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

9.53

200

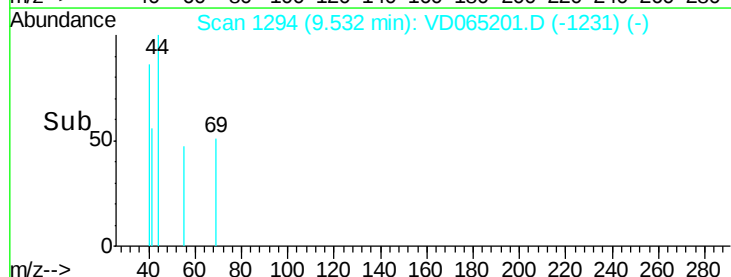
150

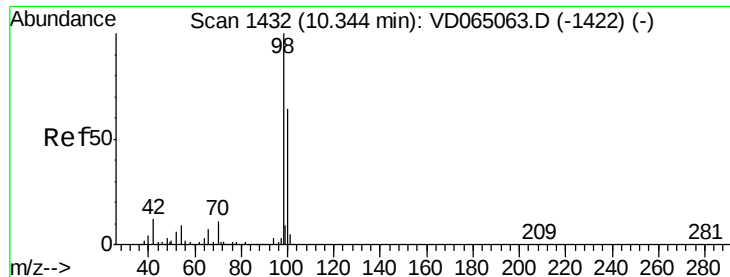
100

50

0

Time-->

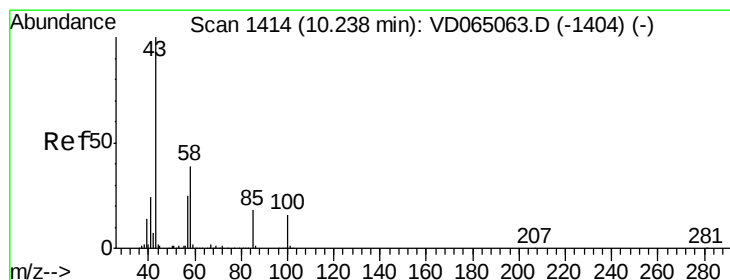
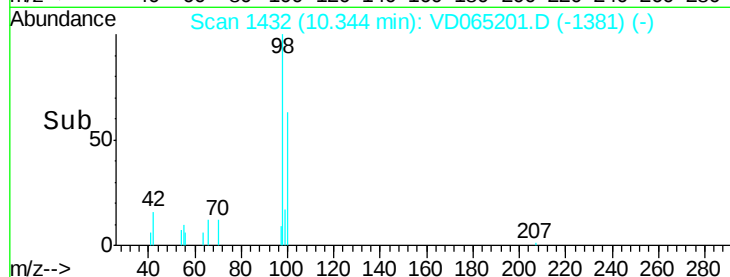
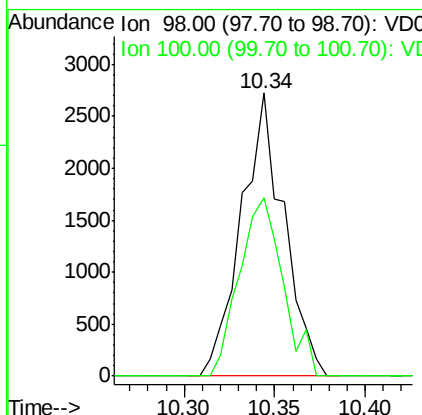
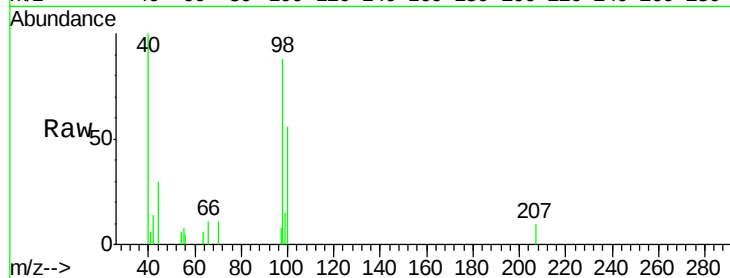




#50
Toluene-d8
Concen: 47.543 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065201.D
Acq: 17 Feb 2020 17:20

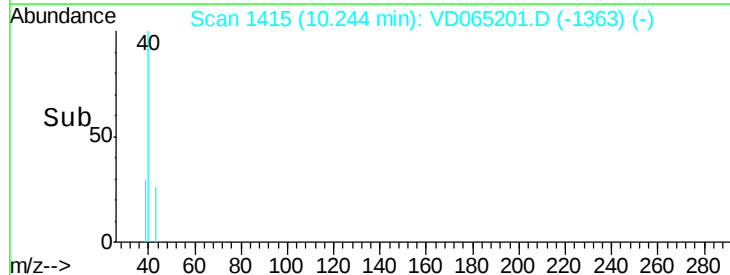
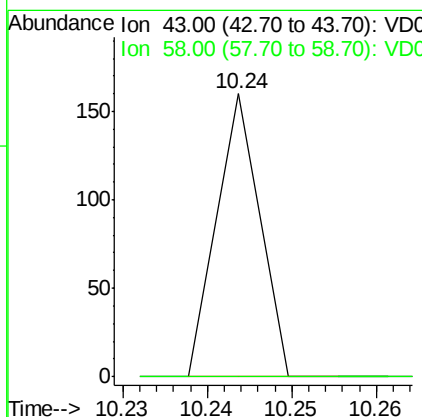
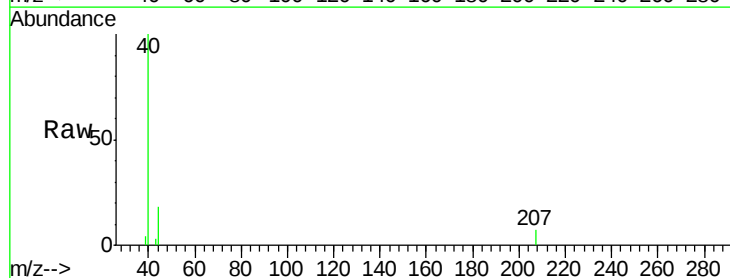
Instrument :
MSVOA_D
ClientSampleId :
WFD-SB-103-1.5-2.5RE

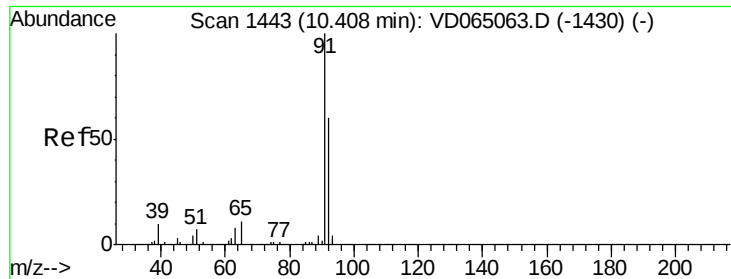
Tot Ion: 98 Resp: 4445
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.719 ug/l
RT: 10.24 min Scan# 1415
Delta R.T. 0.01 min
Lab File: VD065201.D
Acq: 17 Feb 2020 17:20

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#





#52

Toluene

Concen: 8.276 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

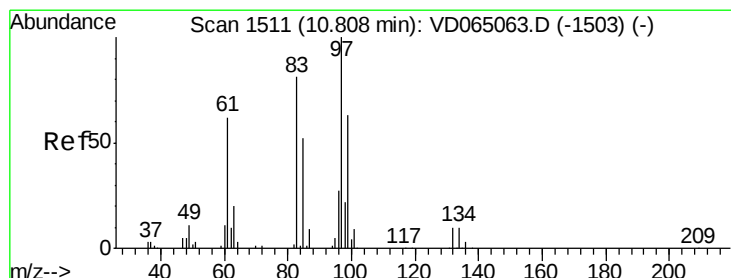
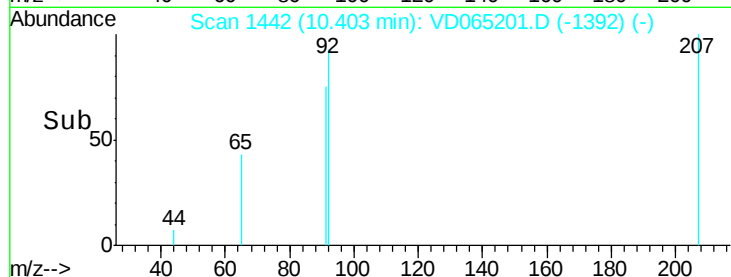
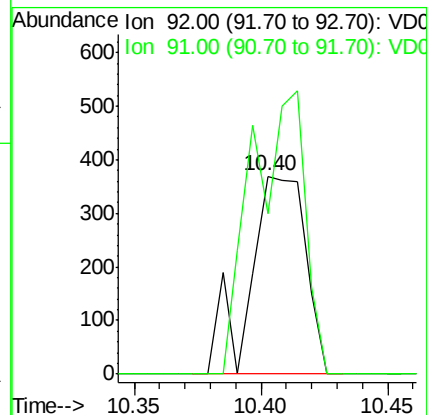
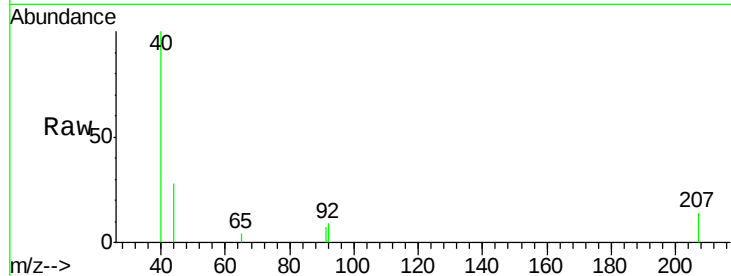
WFD-SB-103-1.5-2.5RE

Tot Ion: 92 Resp: 571

Ion Ratio Lower Upper

92 100

91 135.0 135.3 202.9#



#55

1,1,2-Trichloroethane

Concen: 9.849 ug/l

RT: 10.78 min Scan# 1506

Delta R.T. -0.03 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Tgt Ion: 97 Resp: 184

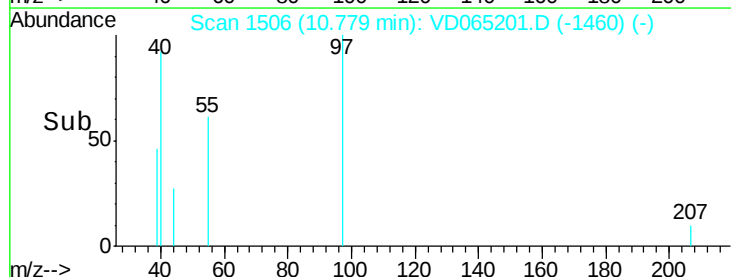
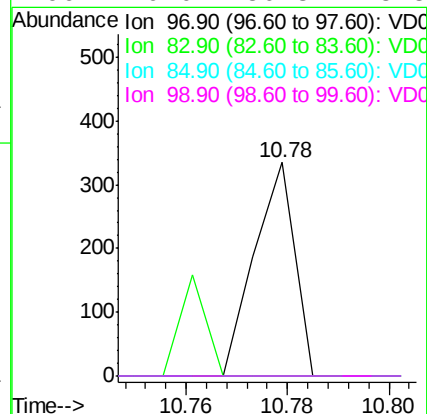
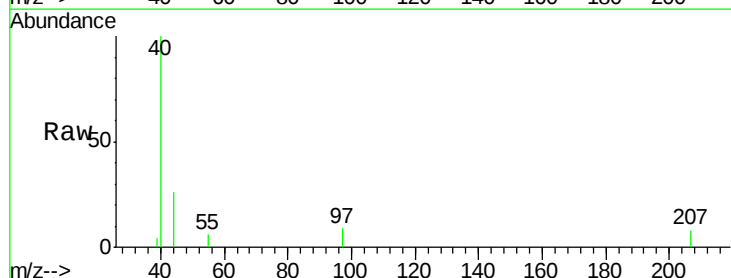
Ion Ratio Lower Upper

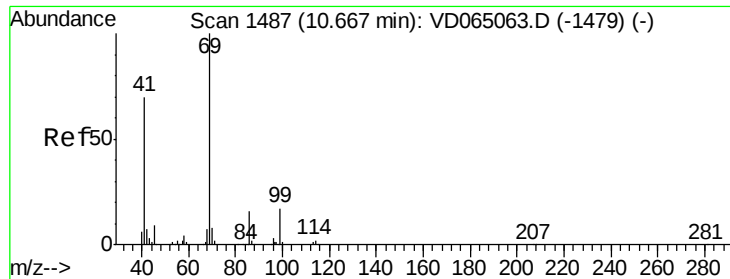
97 100

83 0.0 64.8 97.2#

85 0.0 41.2 61.8#

99 0.0 50.3 75.5#

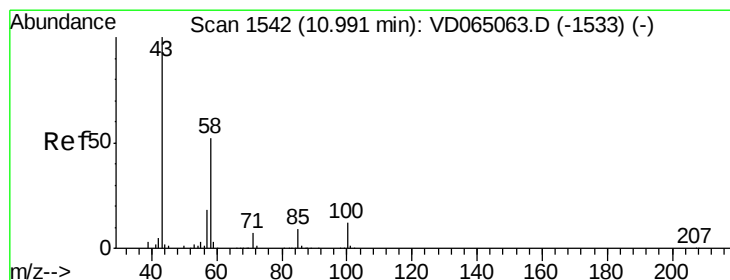
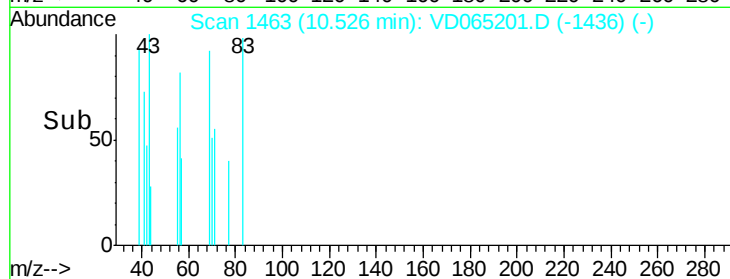
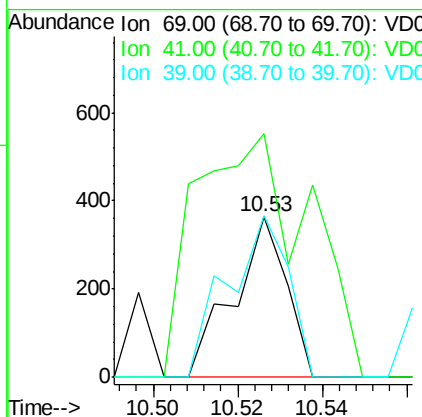
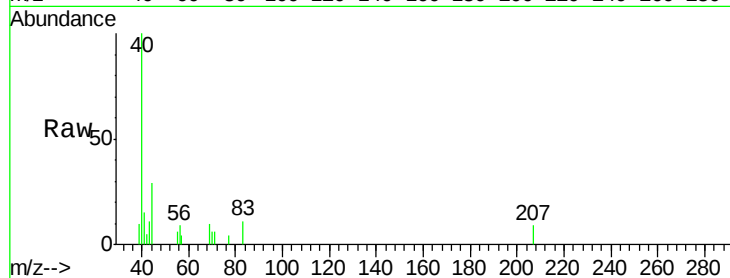




#56
Ethyl methacrylate
Concen: 13.411 ug/l
RT: 10.53 min Scan# 1463
Delta R.T. -0.14 min
Lab File: VD065201.D
Acq: 17 Feb 2020 17:20

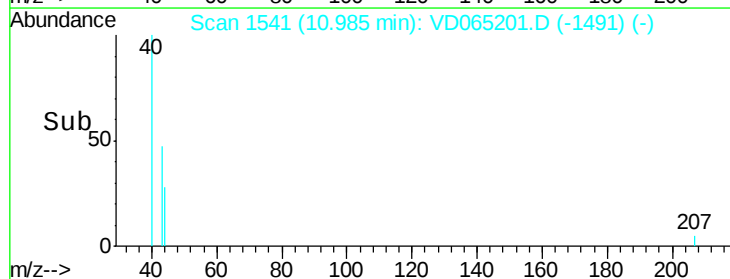
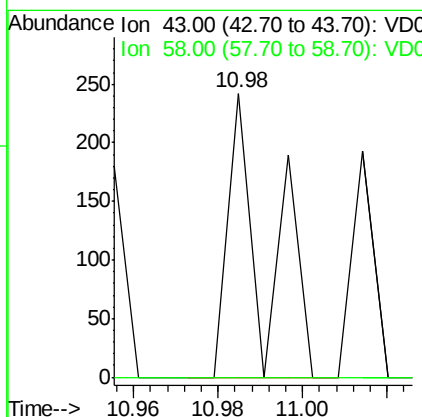
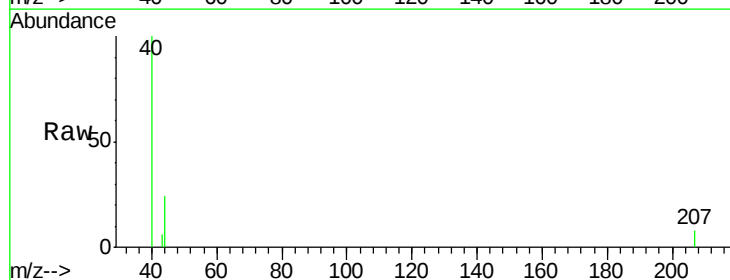
Instrument :
MSVOA_D
ClientSampleId :
WFD-SB-103-1.5-2.5RE

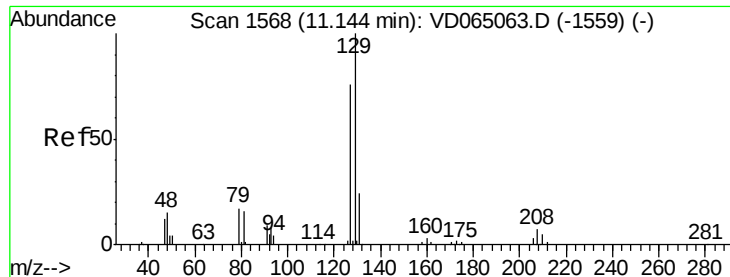
Tot Ion: 69 Resp: 317
Ion Ratio Lower Upper
69 100
41 320.2 55.9 83.9#
39 115.8 29.4 44.0#



#59
2-Hexanone
Concen: 14.251 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065201.D
Acq: 17 Feb 2020 17:20

Tgt Ion: 43 Resp: 152
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.6#





#60

Dibromochloromethane

Concen: 25.995 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.26 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

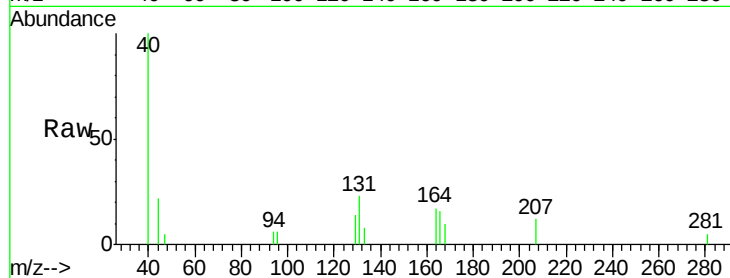
WFD-SB-103-1.5-2.5RE

Tot Ion:129 Resp: 629

Ion Ratio Lower Upper

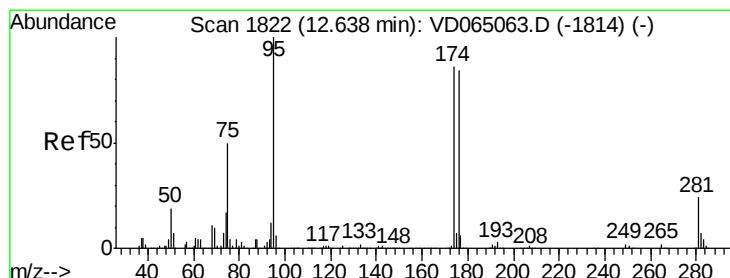
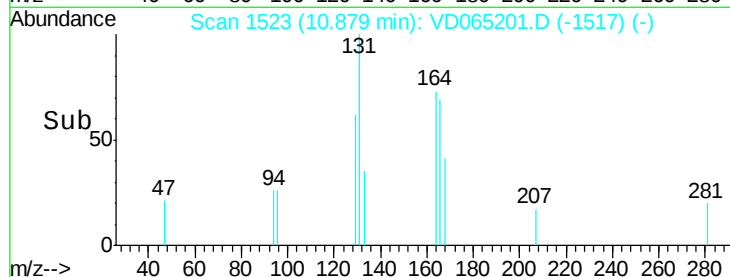
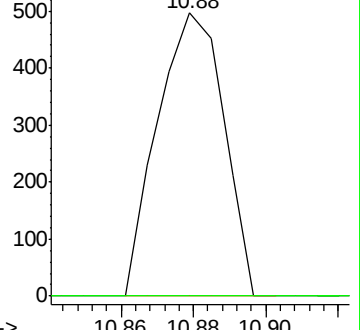
129 100

127 0.0 38.3 114.9#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 42.127 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

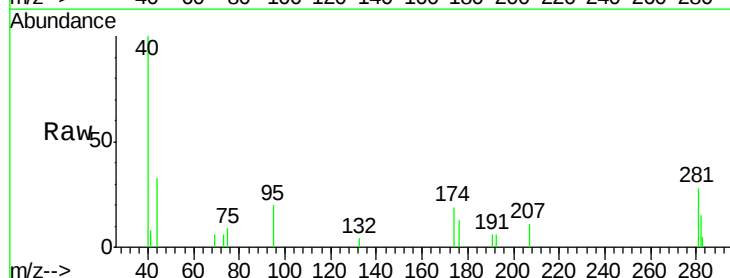
Tgt Ion: 95 Resp: 1248

Ion Ratio Lower Upper

95 100

174 104.2 0.0 180.0

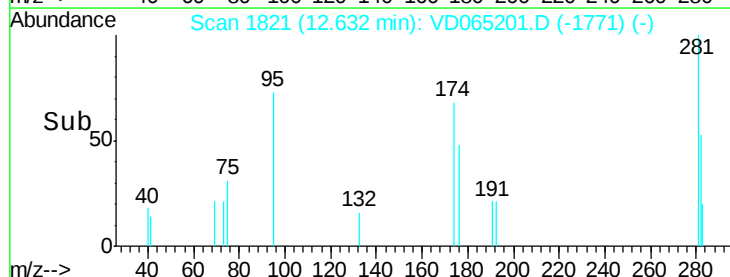
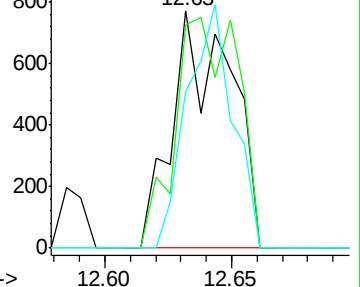
176 79.6 0.0 173.2

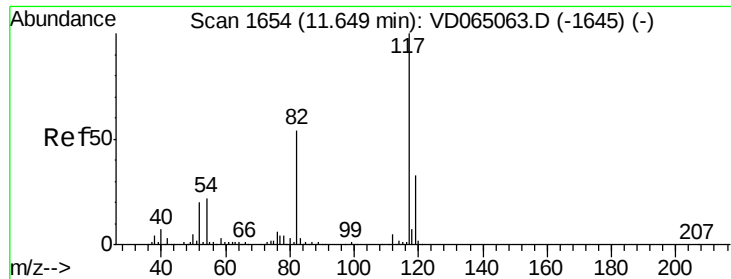


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

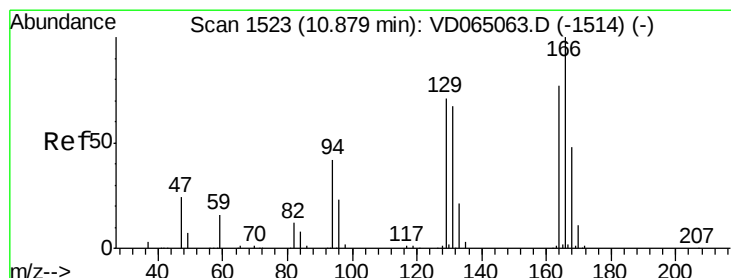
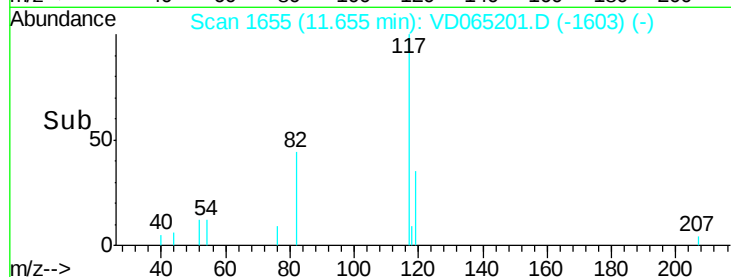
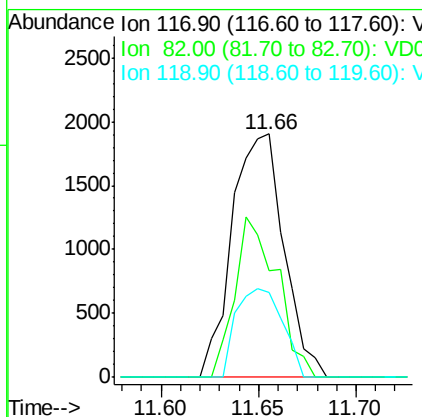
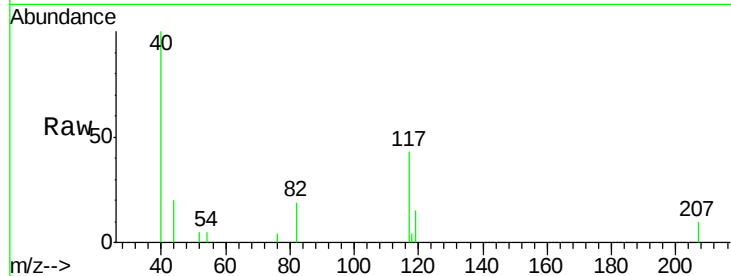




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD065201.D
Acq: 17 Feb 2020 17:20

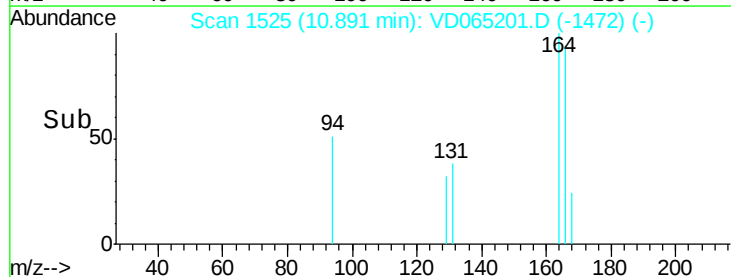
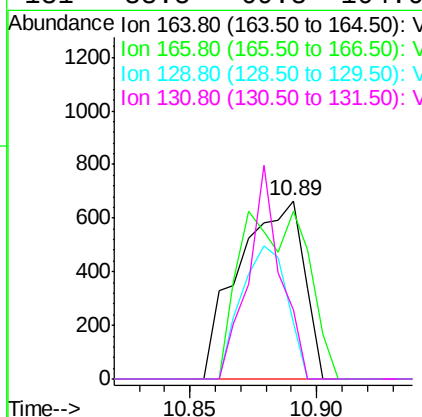
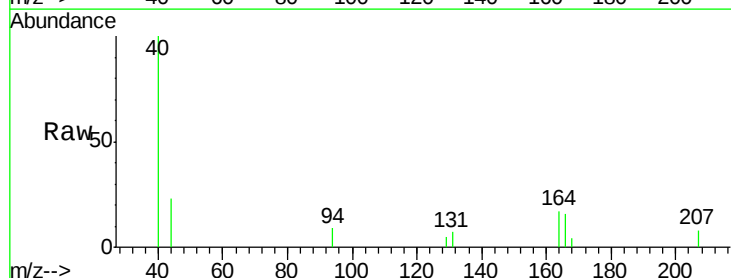
Instrument :
MSVOA_D
ClientSampleId :
WFD-SB-103-1.5-2.5RE

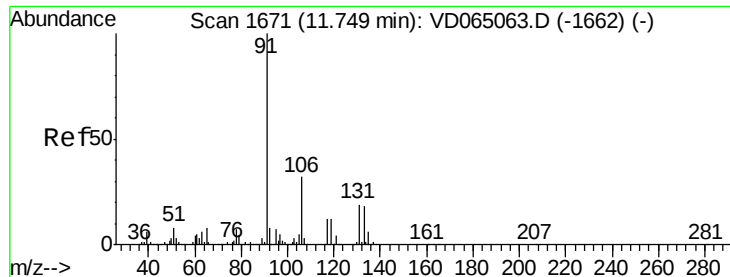
Tot Ion:117 Resp: 3504
Ion Ratio Lower Upper
117 100
82 44.0 43.1 64.7
119 34.8 26.0 39.0



#64
Tetrachloroethene
Concen: 47.502 ug/l
RT: 10.89 min Scan# 1525
Delta R.T. 0.01 min
Lab File: VD065201.D
Acq: 17 Feb 2020 17:20

Tgt Ion:164 Resp: 1196
Ion Ratio Lower Upper
164 100
166 94.4 103.5 155.3#
129 31.7 73.3 109.9#
131 38.5 69.8 104.6#

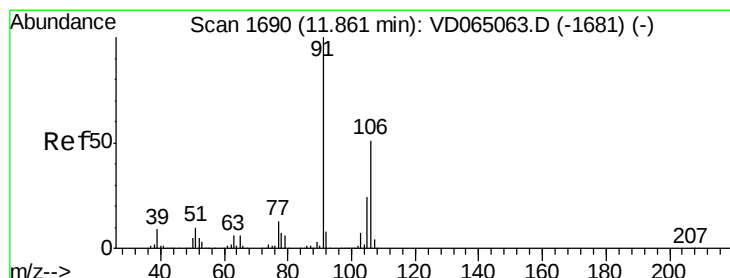
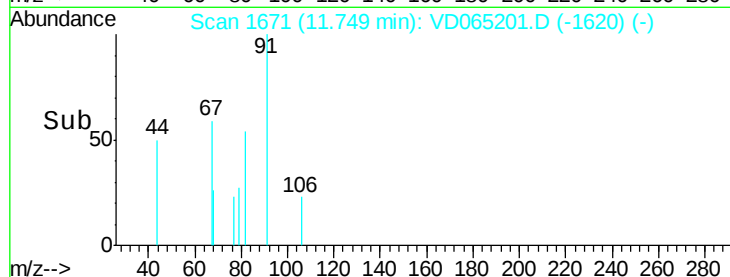
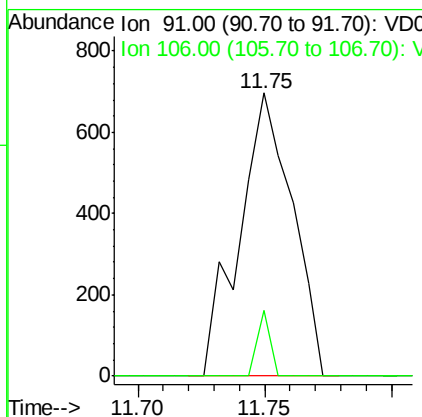
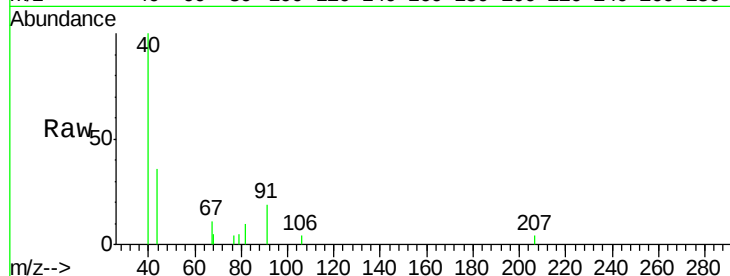




#67
Ethyl Benzene
Concen: 8.227 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065201.D
Acq: 17 Feb 2020 17:20

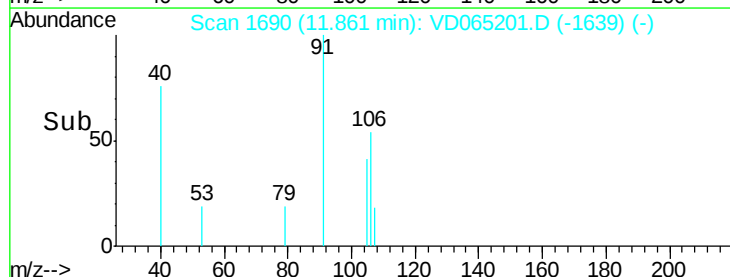
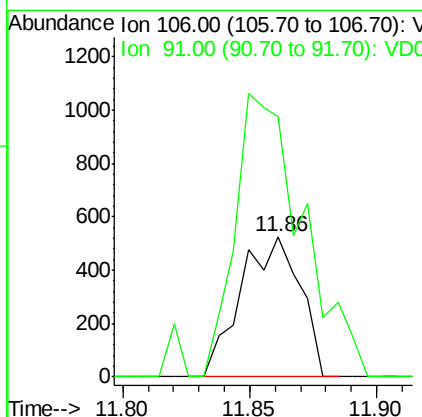
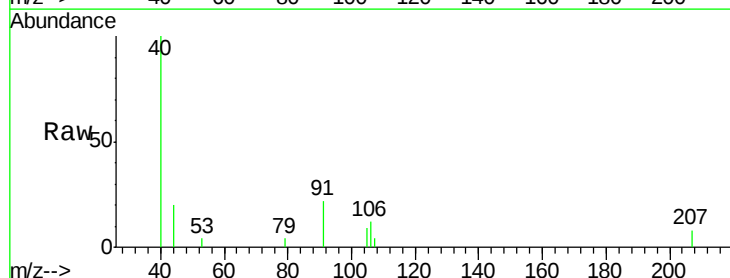
Instrument :
MSVOA_D
ClientSampleId :
WFD-SB-103-1.5-2.5RE

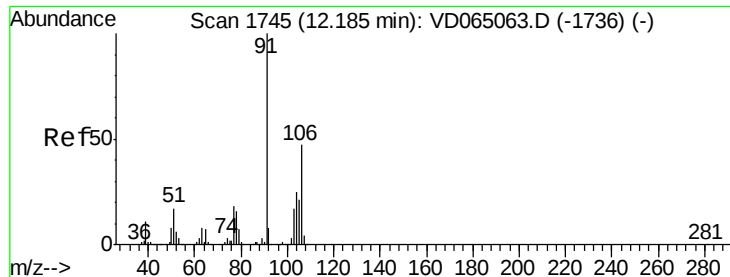
Tot Ion: 91 Resp: 1013
Ion Ratio Lower Upper
91 100
106 23.4 25.4 38.2#



#68
m/p-Xylenes
Concen: 18.215 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065201.D
Acq: 17 Feb 2020 17:20

Tgt Ion: 106 Resp: 856
Ion Ratio Lower Upper
106 100
91 230.7 158.9 238.3

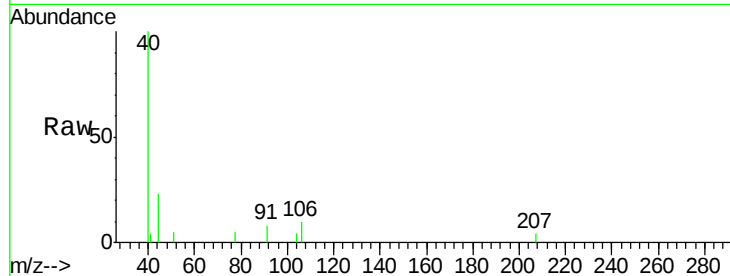




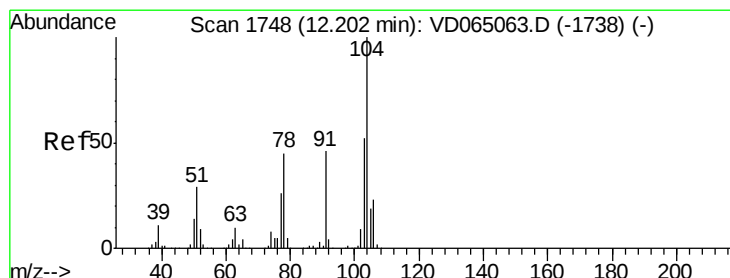
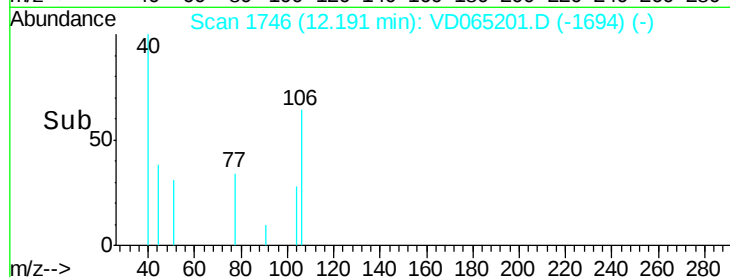
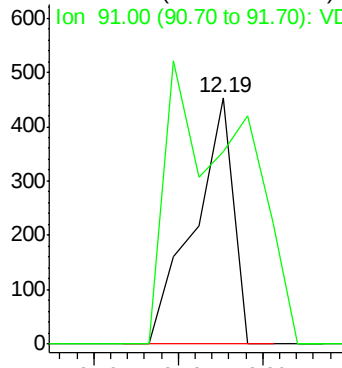
#69
o-Xylene
Concen: 6.947 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065201.D
Acq: 17 Feb 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
WFD-SB-103-1.5-2.5RE

Tot Ion:106 Resp: 294
Ion Ratio Lower Upper
106 100
91 219.4 104.7 313.9

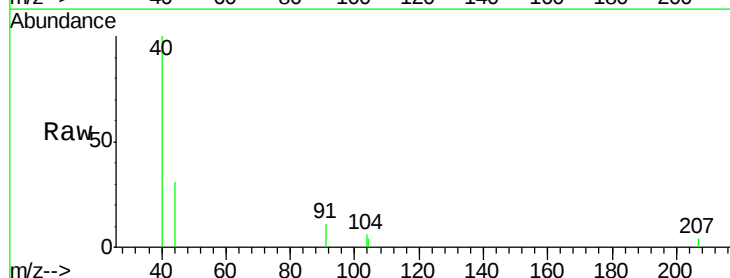


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

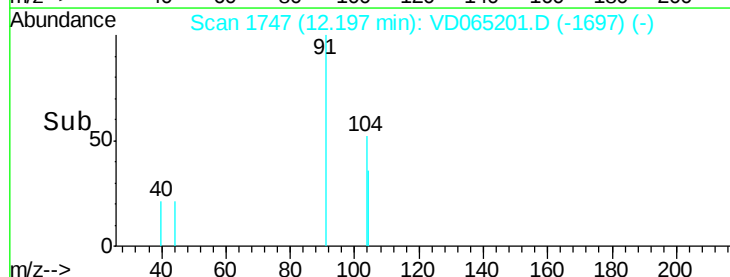
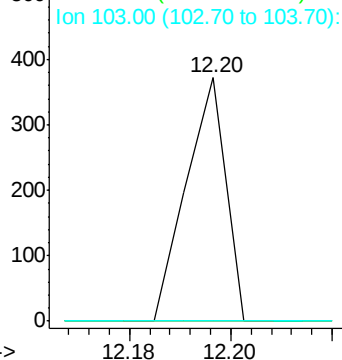


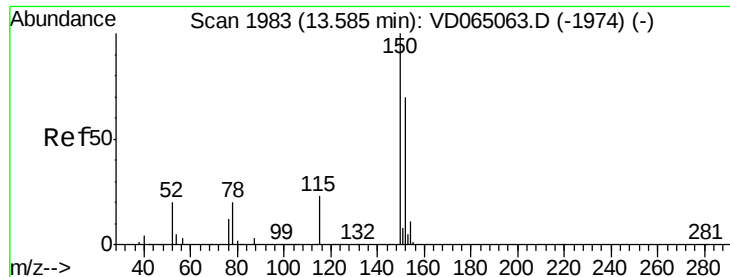
#70
Styrene
Concen: 2.733 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065201.D
Acq: 17 Feb 2020 17:20

Tgt Ion:104 Resp: 201
Ion Ratio Lower Upper
104 100
78 0.0 38.5 57.7#
103 0.0 43.8 65.8#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

WFD-SB-103-1.5-2.5RE

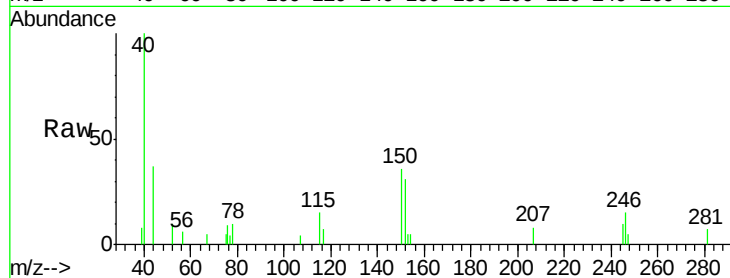
Tot Ion:152 Resp: 1862

Ion Ratio Lower Upper

152 100

115 94.8 27.5 82.4#

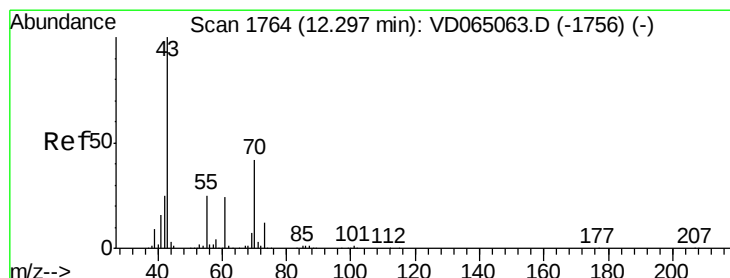
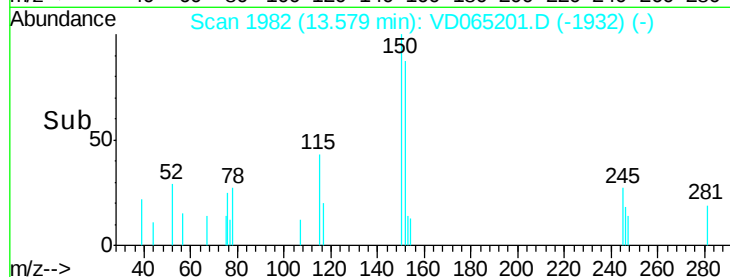
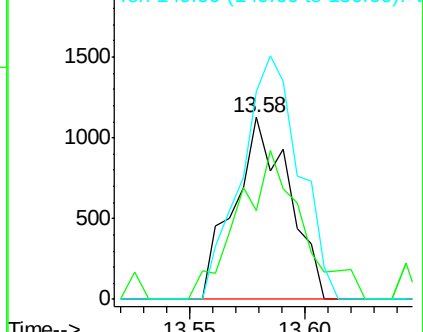
150 141.7 0.0 343.2



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



#74

N-ethyl acetate

Concen: 2.088 ug/l

RT: 12.26 min Scan# 1758

Delta R.T. -0.04 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Tgt Ion: 43 Resp: 58

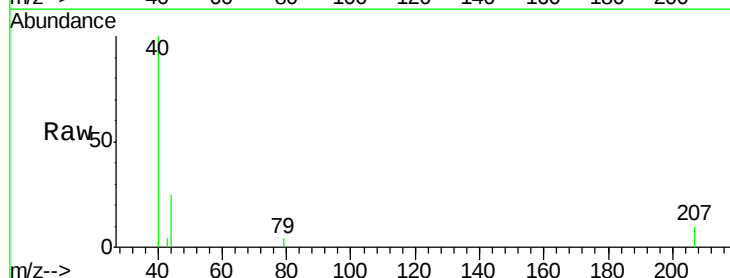
Ion Ratio Lower Upper

43 100

70 0.0 33.5 50.3#

55 141.4 19.4 29.2#

61 0.0 18.6 28.0#

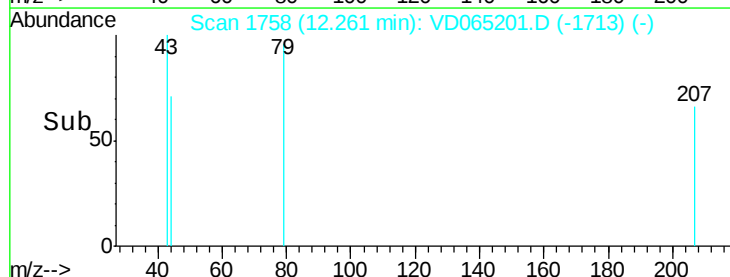
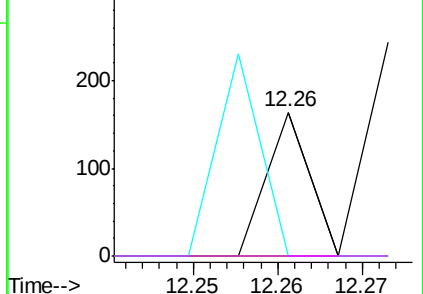


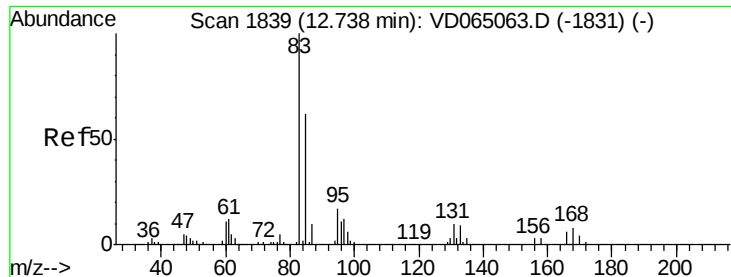
Abundance Ion 43.00 (42.70 to 43.70): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 13.026 ug/l

RT: 13.00 min Scan# 1883

Delta R.T. 0.26 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

WFD-SB-103-1.5-2.5RE

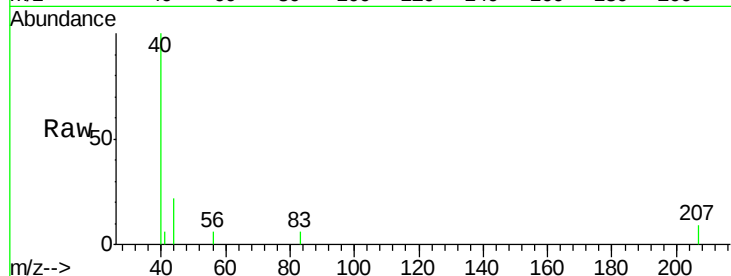
Tot Ion: 83 Resp: 262

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

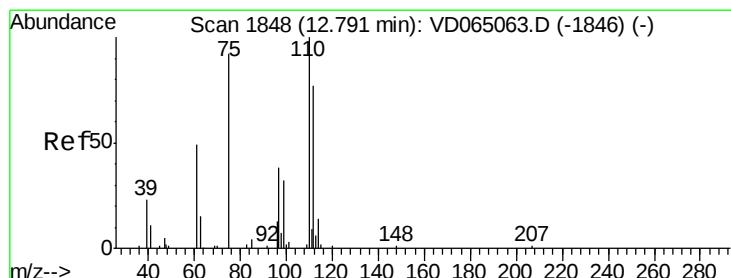
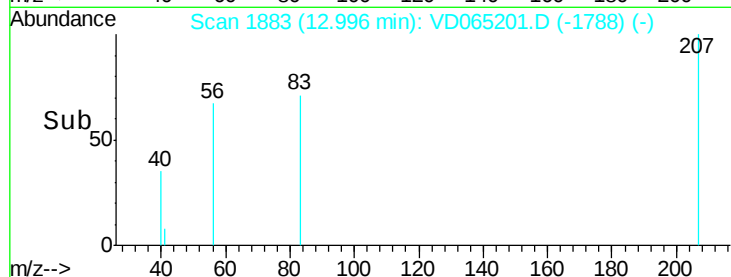
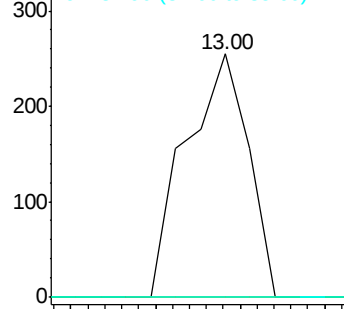
85 0.0 31.8 95.4#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 36.603 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065201.D

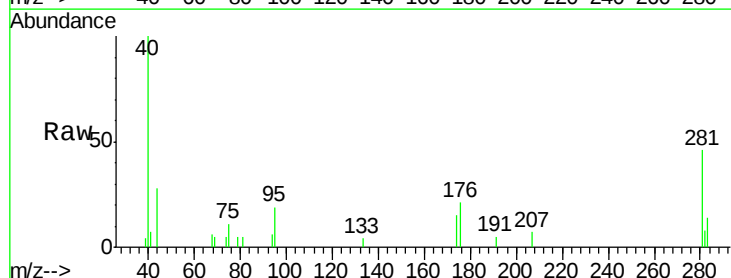
Acq: 17 Feb 2020 17:20

Tgt Ion: 75 Resp: 516

Ion Ratio Lower Upper

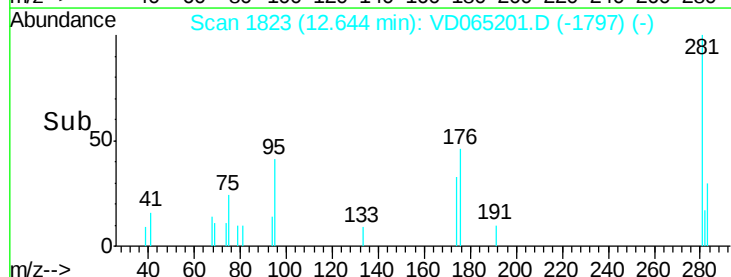
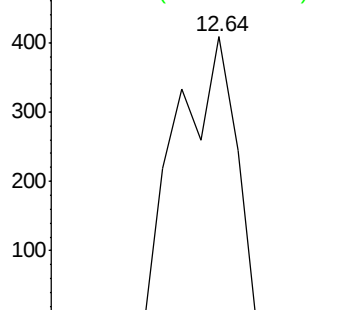
75 100

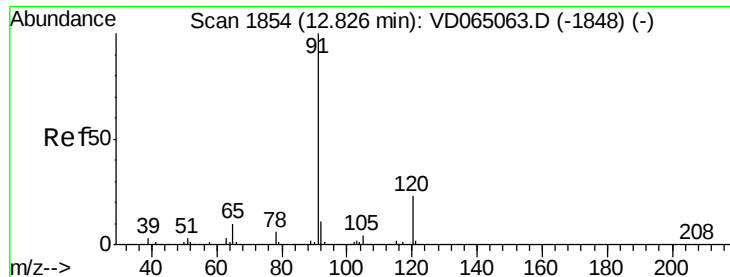
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#78

n-propylbenzene

Concen: 3.548 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

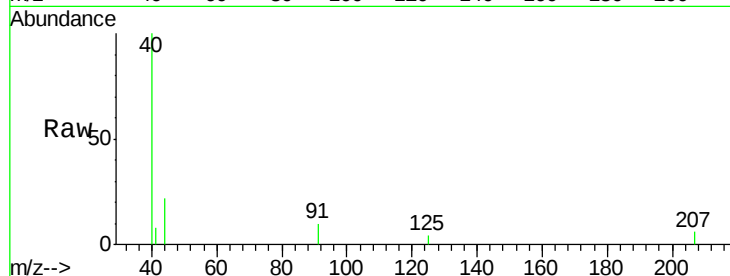
WFD-SB-103-1.5-2.5RE

Tot Ion: 91 Resp: 531

Ion Ratio Lower Upper

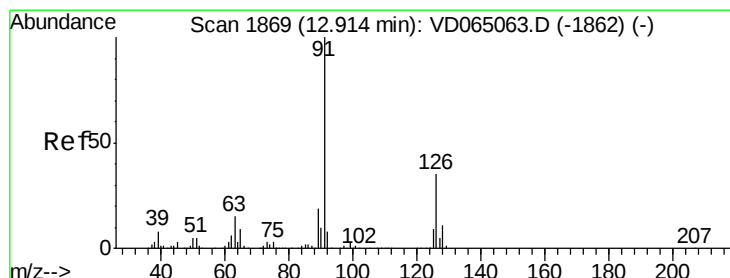
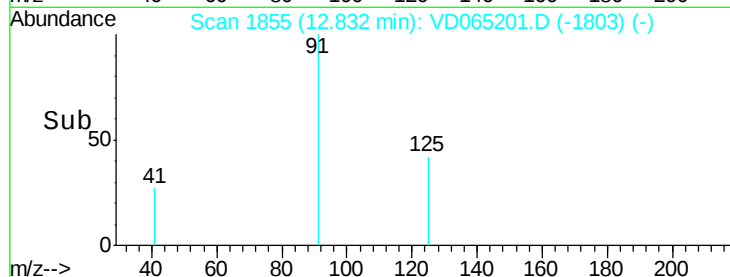
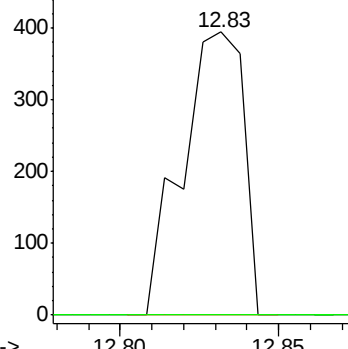
91 100

120 0.0 11.8 35.3#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): VDC



#79

2-Chlorotoluene

Concen: 1.870 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD065201.D

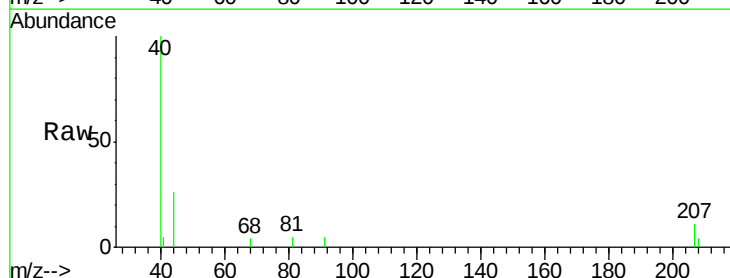
Acq: 17 Feb 2020 17:20

Tgt Ion: 91 Resp: 156

Ion Ratio Lower Upper

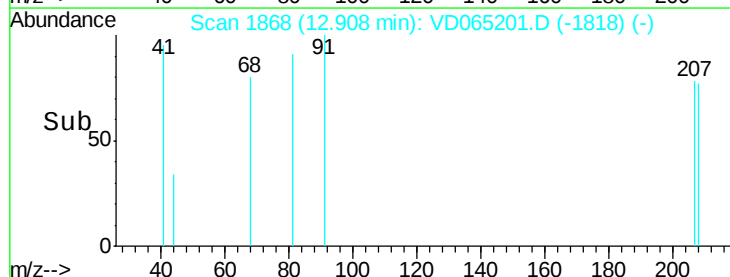
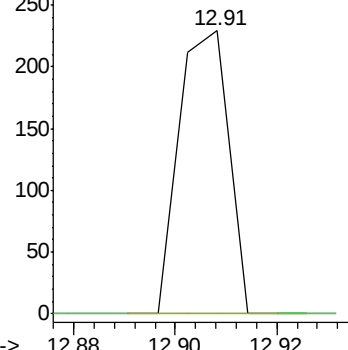
91 100

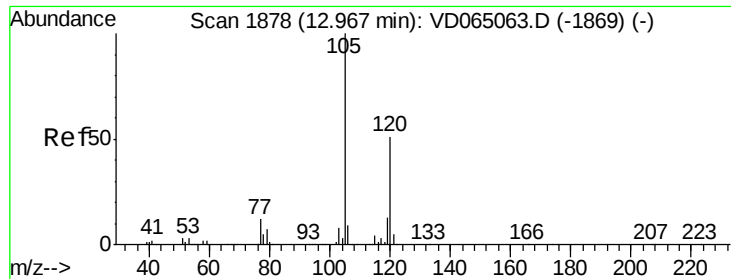
126 0.0 17.4 52.3#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC





#80

1,3,5-Trimethylbenzene

Concen: 5.767 ug/l

RT: 12.97 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

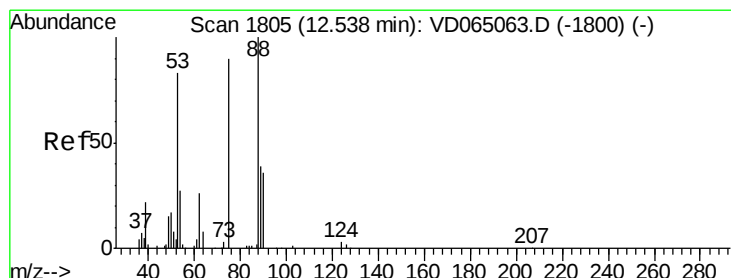
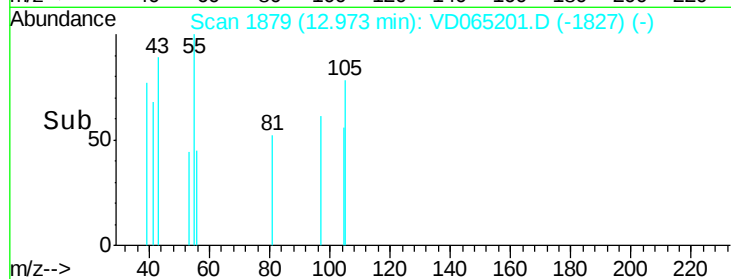
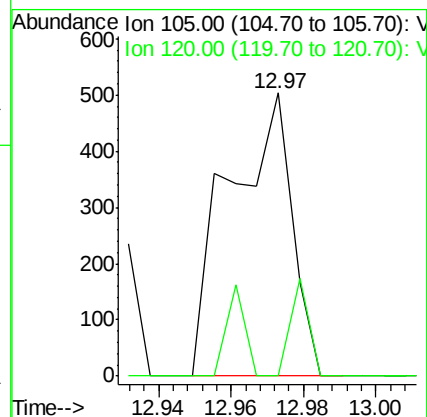
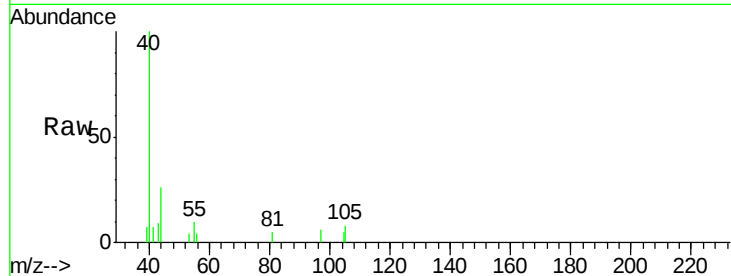
WFD-SB-103-1.5-2.5RE

Tot Ion:105 Resp: 603

Ion Ratio Lower Upper

105 100

120 10.1 25.1 75.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.203 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

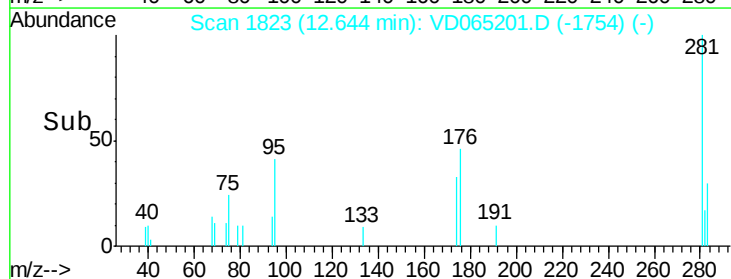
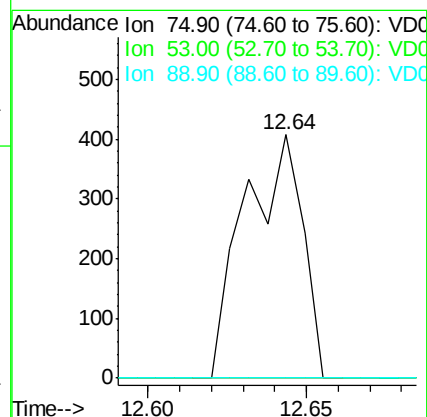
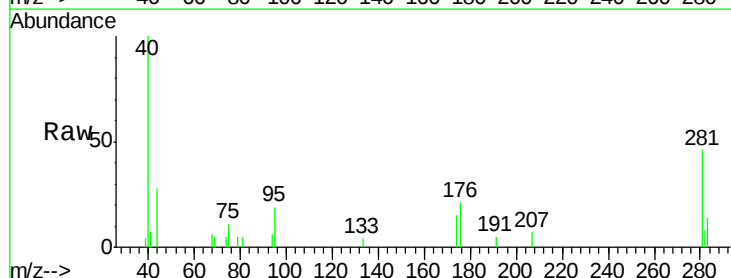
Tgt Ion: 75 Resp: 516

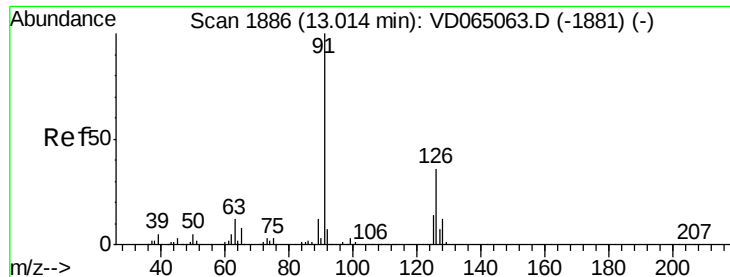
Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.0 55.4#





#82

4-Chlorotoluene

Concen: 1.701 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

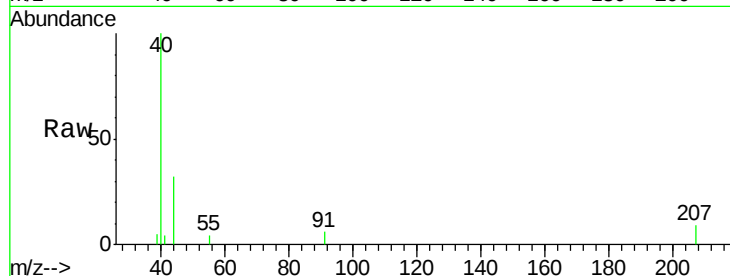
WFD-SB-103-1.5-2.5RE

Tot Ion: 91 Resp: 149

Ion Ratio Lower Upper

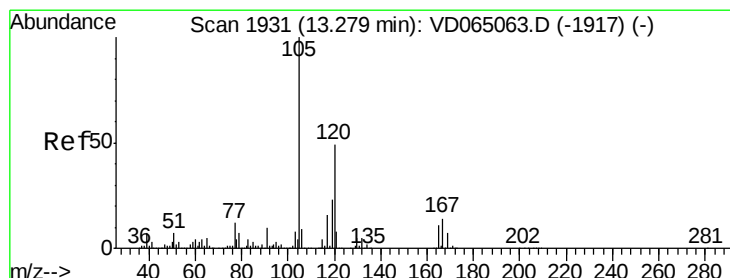
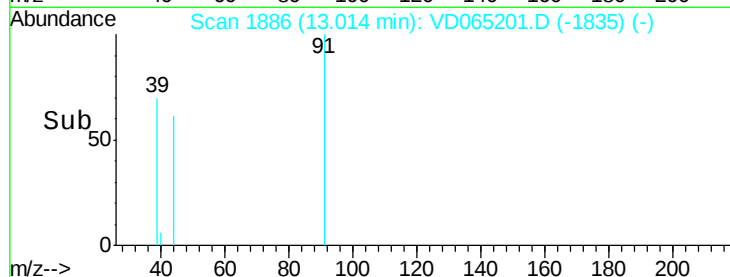
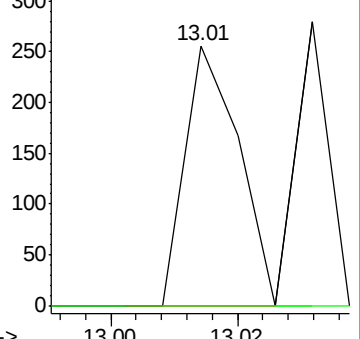
91 100

126 0.0 17.5 52.5#



Abundance Ion 91.00 (90.70 to 91.70): VD065063.D (-1881) (-)

Ion 125.90 (125.60 to 126.60): VD065063.D (-1881) (-)



#84

1,2,4-Trimethylbenzene

Concen: 7.457 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD065201.D

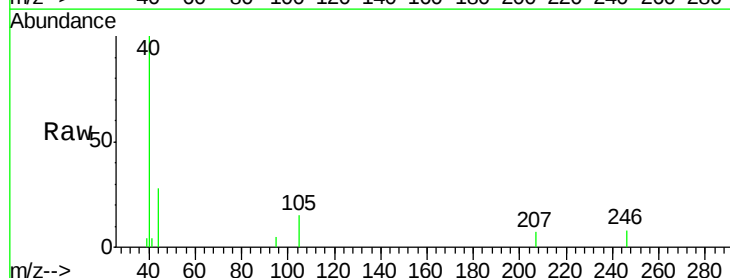
Acq: 17 Feb 2020 17:20

Tgt Ion: 105 Resp: 774

Ion Ratio Lower Upper

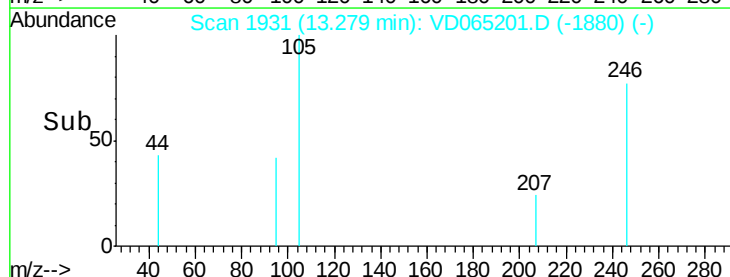
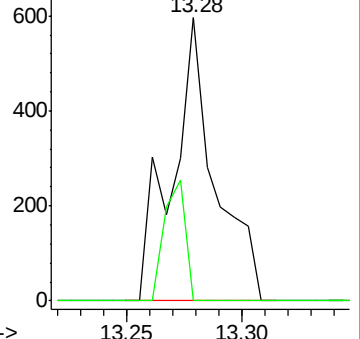
105 100

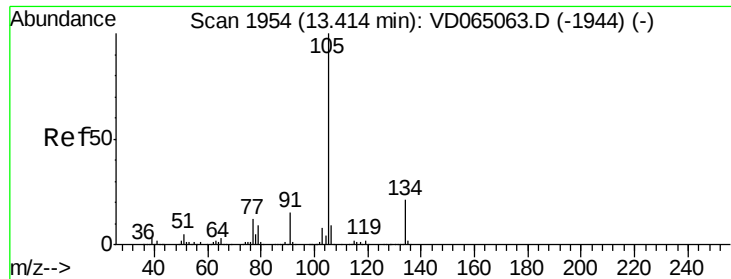
120 20.7 23.5 70.5#



Abundance Ion 105.00 (104.70 to 105.70): VD065063.D (-1917) (-)

Ion 120.00 (119.70 to 120.70): VD065063.D (-1917) (-)

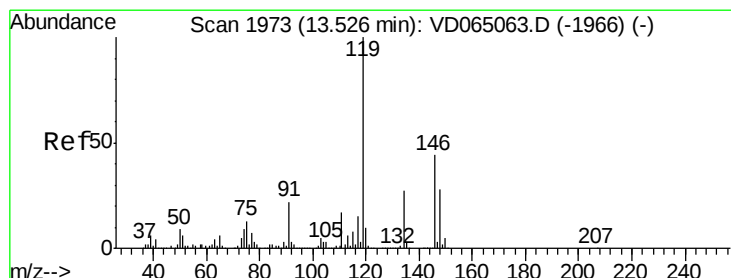
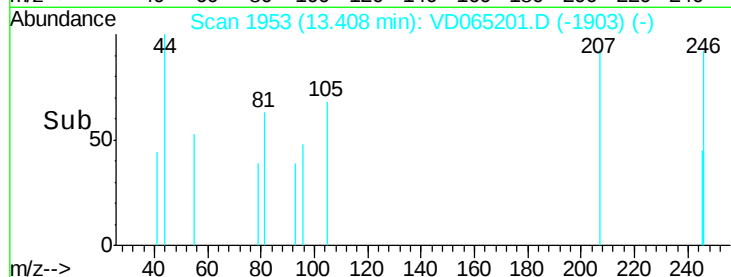
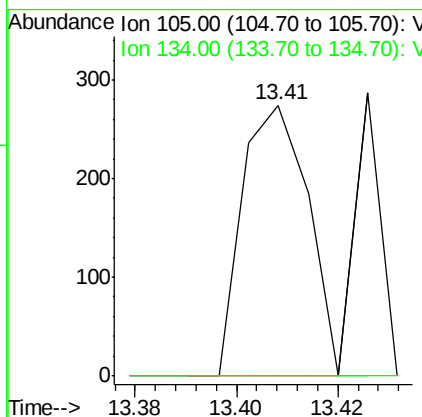
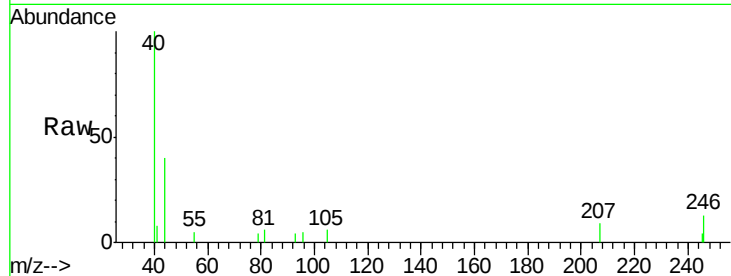




#85
 sec-Butylbenzene
 Concen: 1.989 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065201.D
 Acq: 17 Feb 2020 17:20

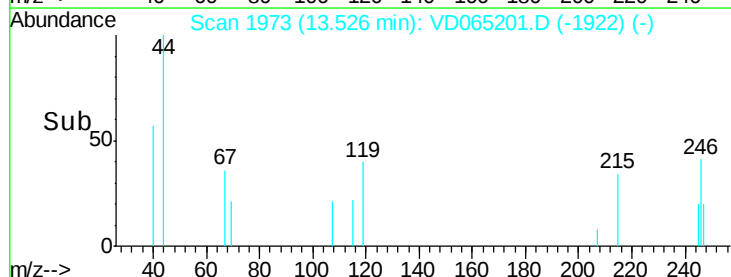
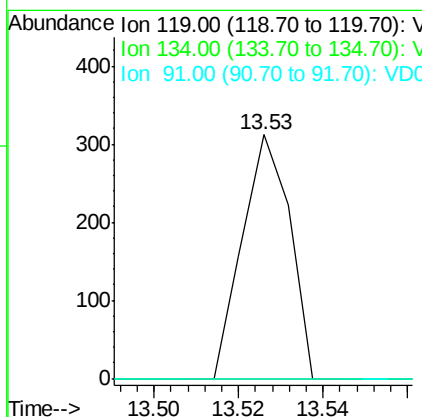
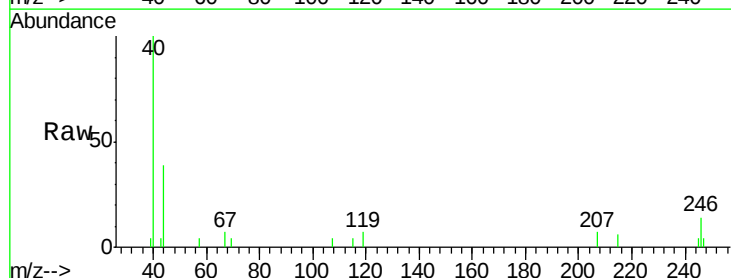
Instrument :
 MSVOA_D
 ClientSampleId :
 WFD-SB-103-1.5-2.5RE

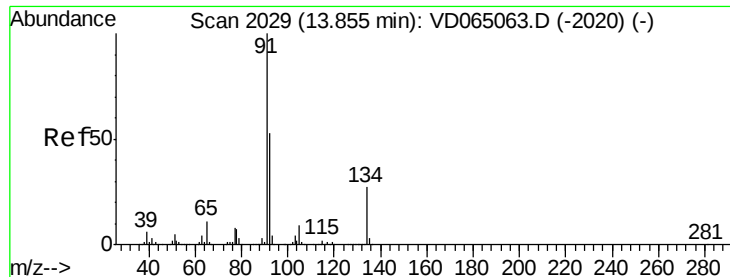
Tot Ion:105 Resp: 245
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#86
 p-Isopropyltoluene
 Concen: 2.132 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065201.D
 Acq: 17 Feb 2020 17:20

Tgt Ion:119 Resp: 244
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.5 40.5#
 91 0.0 11.3 33.9#





#89

n-Butylbenzene

Concen: 3.322 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

WFD-SB-103-1.5-2.5RE

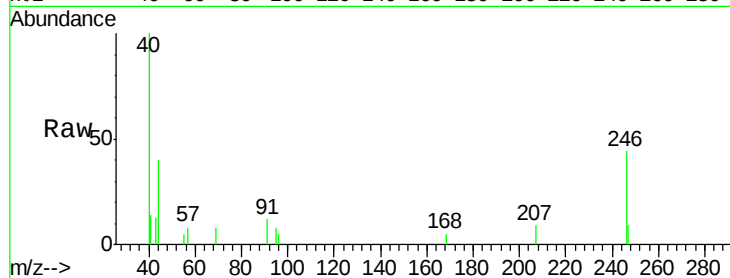
Tot Ion: 91 Resp: 351

Ion Ratio Lower Upper

91 100

92 19.1 26.7 80.1#

134 0.0 13.4 40.2#

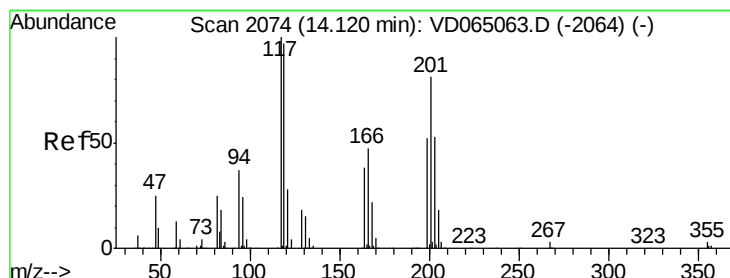
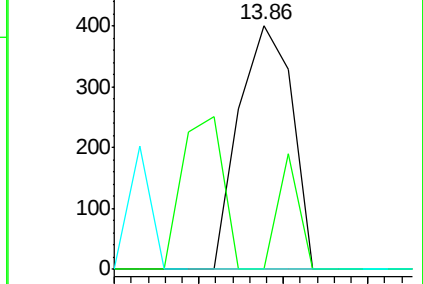
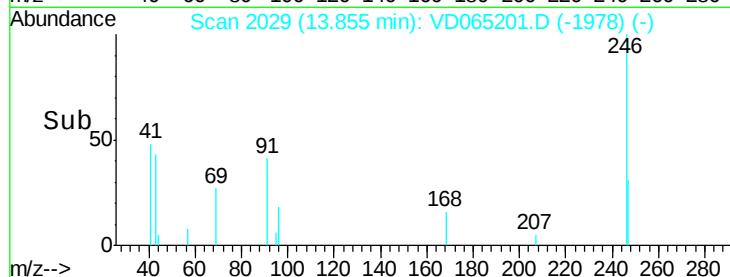


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC

Time--> 13.82 13.84 13.86 13.88



#90

Hexachloroethane

Concen: 4.383 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. -0.01 min

Lab File: VD065201.D

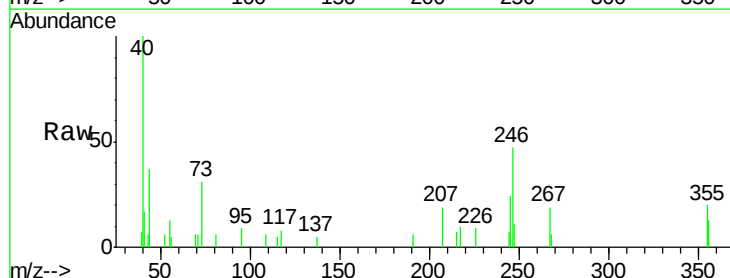
Acq: 17 Feb 2020 17:20

Tgt Ion: 117 Resp: 95

Ion Ratio Lower Upper

117 100

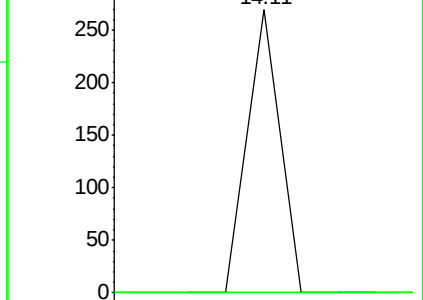
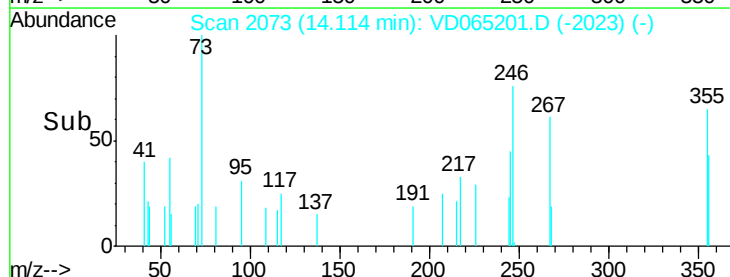
201 0.0 42.5 127.6#

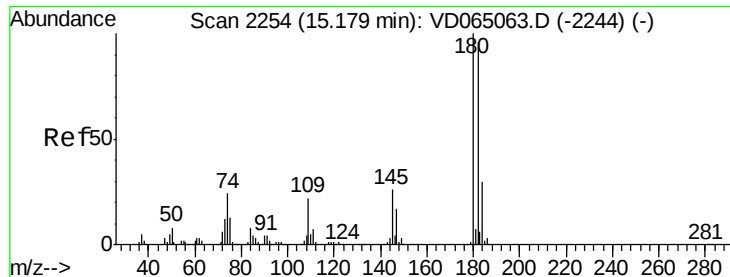


Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC

Time--> 14.10 14.12

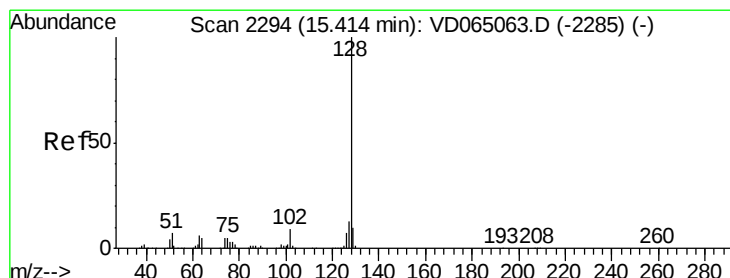
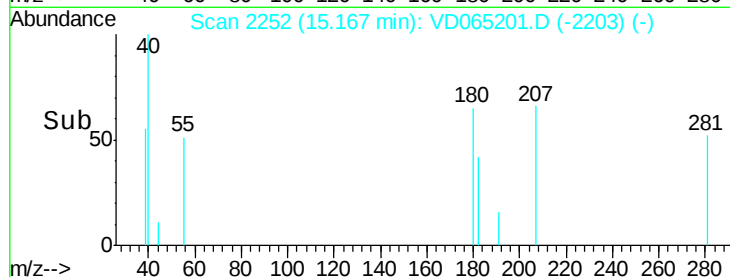
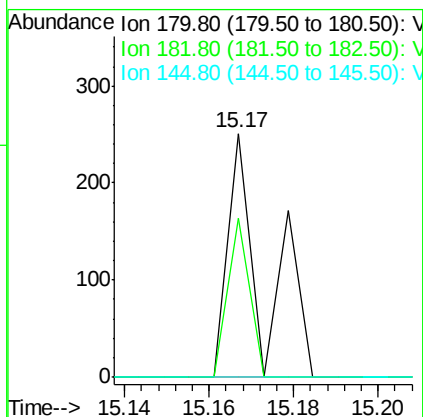
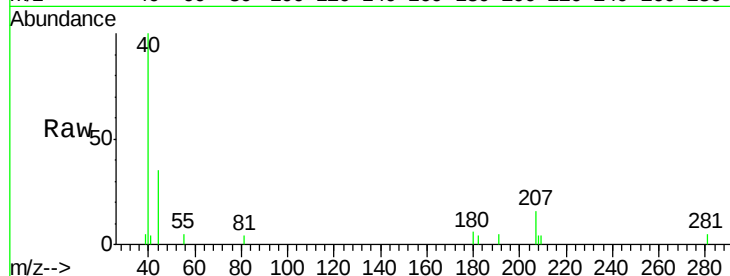




#93
 1,2,4-Trichlorobenzene
 Concen: 4.222 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD065201.D
 Acq: 17 Feb 2020 17:20

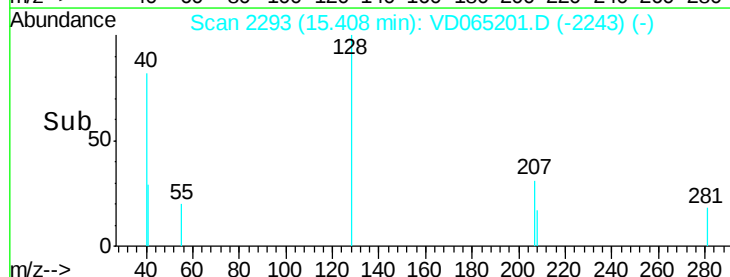
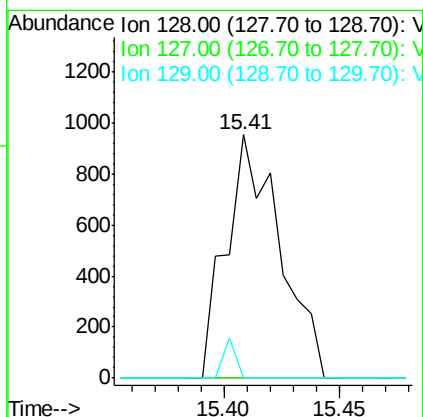
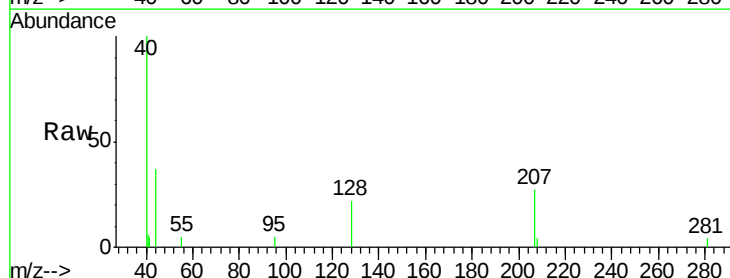
Instrument :
 MSVOA_D
 ClientSampleId :
 WFD-SB-103-1.5-2.5RE

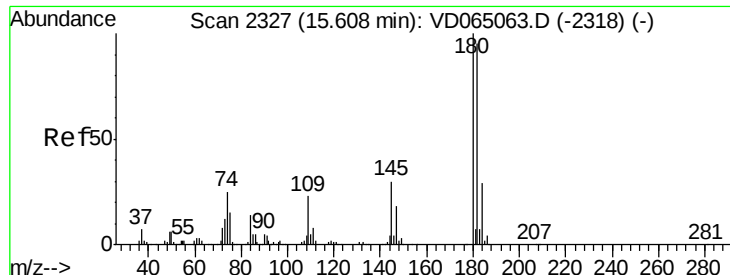
Tot Ion:180 Resp: 149
 Ion Ratio Lower Upper
 180 100
 182 38.9 47.4 142.3#
 145 0.0 14.1 42.4#



#95
 Naphthalene
 Concen: 26.406 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. -0.01 min
 Lab File: VD065201.D
 Acq: 17 Feb 2020 17:20

Tgt Ion:128 Resp: 1549
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 3.6 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 4.174 ug/l

RT: 15.61 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VD065201.D

Acq: 17 Feb 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

WFD-SB-103-1.5-2.5RE

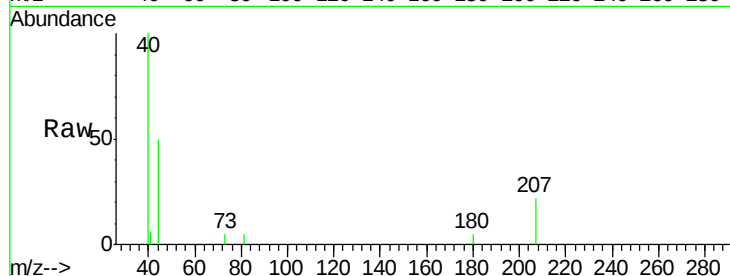
Tot Ion:180 Resp: 126

Ion Ratio Lower Upper

180 100

182 0.0 47.1 141.4#

145 0.0 14.9 44.9#



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

