

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\
 Data File : VD061194.D
 Acq On : 19 Mar 2019 19:24
 Operator : VA/AP
 Sample : K1935-08RE
 Misc : 3.51u/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2(10-11)RE

Quant Time: Mar 20 01:56:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	482866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	783695	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	544436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	156815	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	214639	53.40	ug/l	0.00
Spiked Amount			Recovery	=	106.80%	
35) Dibromofluoromethane	6.91	113	338930	58.28	ug/l	-0.02
Spiked Amount			Recovery	=	116.56%	
50) Toluene-d8	10.39	98	707401	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	13.54	95	216336	38.17	ug/l	0.00
Spiked Amount			Recovery	=	76.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	33707	29.327	ug/l	94
18) Methyl Acetate	3.78	43	3791	1.676	ug/l #	59
20) Methylene Chloride	3.81	84	19953	Below Cal	#	87
25) 2-Butanone	6.05	43	13381	10.260	ug/l #	86
36) 1,1-Dichloropropene	7.03	75	35751	5.292	ug/l #	48
37) Ethyl Acetate	6.05	43	11467	3.617	ug/l #	66
38) Carbon Tetrachloride	7.04	117	45910	6.170	ug/l #	16
39) Methylcyclohexane	8.83	83	50738	7.243	ug/l #	44
43) Isopropyl Acetate	9.26	43	76901	17.515	ug/l #	43
47) Bromodichloromethane	9.30	83	6747	1.063	ug/l #	92
48) Methyl methacrylate	9.00	41	52376	21.187	ug/l #	46
51) 4-Methyl-2-Pentanone	10.24	43	5065	1.883	ug/l #	37
55) 1,1,2-Trichloroethane	11.08	97	53584	15.329	ug/l #	19
56) Ethyl methacrylate	11.17	69	14862	4.062	ug/l	92
59) 2-Hexanone	11.47	43	21265	10.808	ug/l #	36
74) N-amyl acetate	13.29	43	32224	10.126	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	13.70	83	20726	9.400	ug/l #	71
81) trans-1,4-Dichloro-2-buten	13.54	75	75658	113.748	ug/l #	19

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061194.D

Acq: 19 Mar 2019 19:24

Instrument :

MSVOA_D

ClientSampleId :

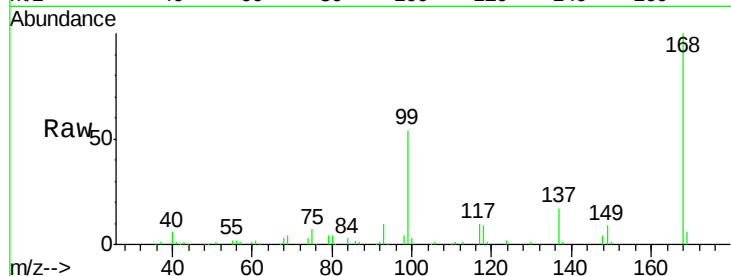
SB-2(10-11)RE

Tot Ion:168 Resp: 482866

Ion Ratio Lower Upper

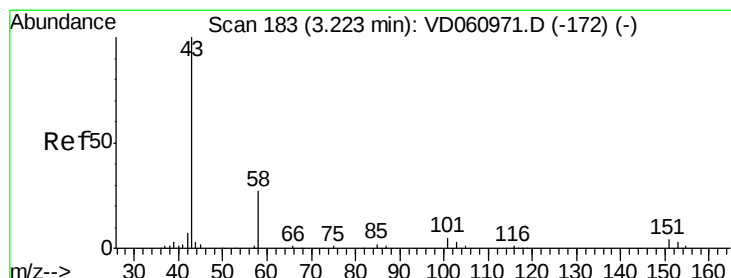
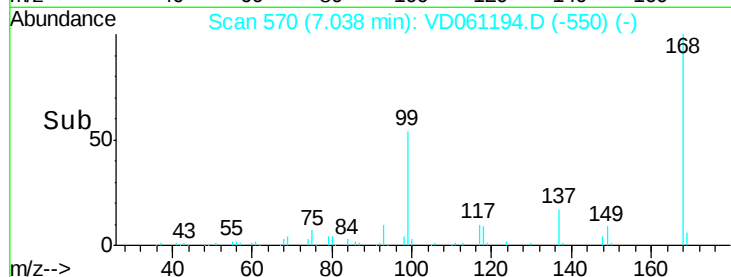
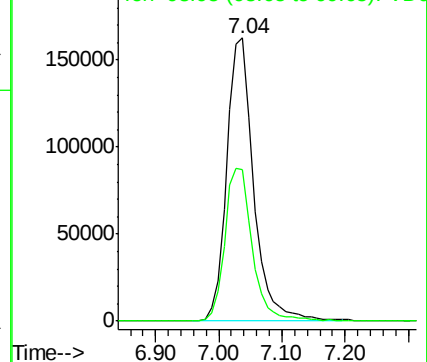
168 100

99 53.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 29.327 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD061194.D

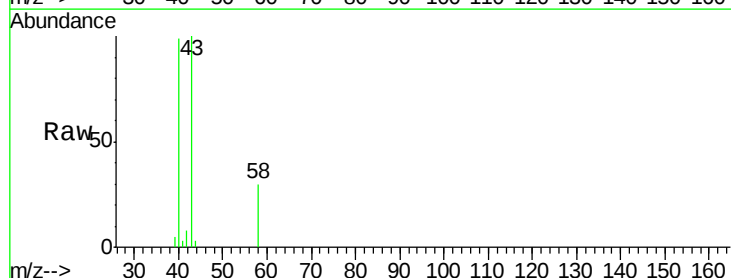
Acq: 19 Mar 2019 19:24

Tgt Ion: 43 Resp: 33707

Ion Ratio Lower Upper

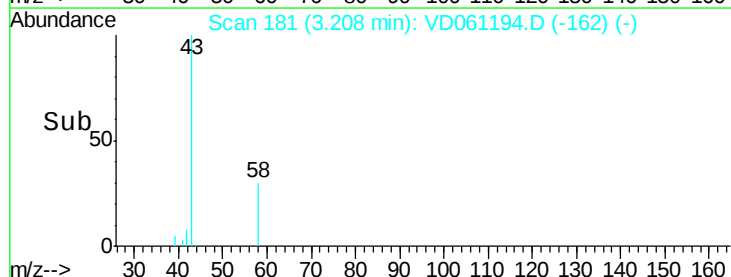
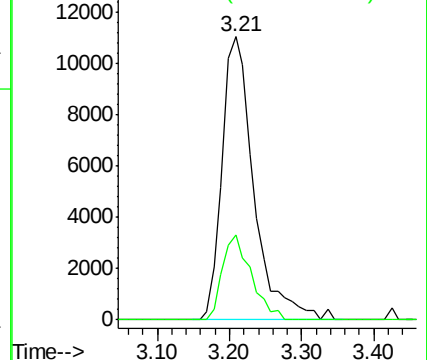
43 100

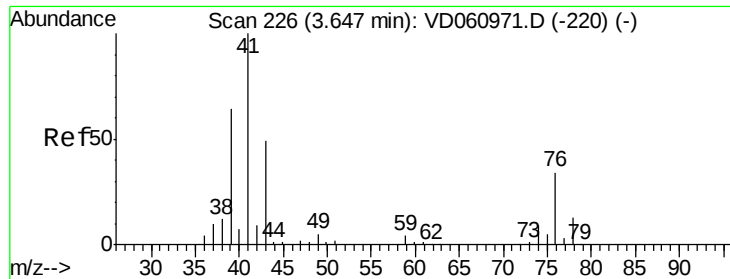
58 30.1 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

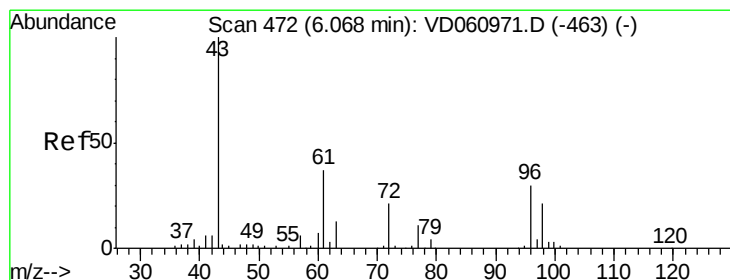
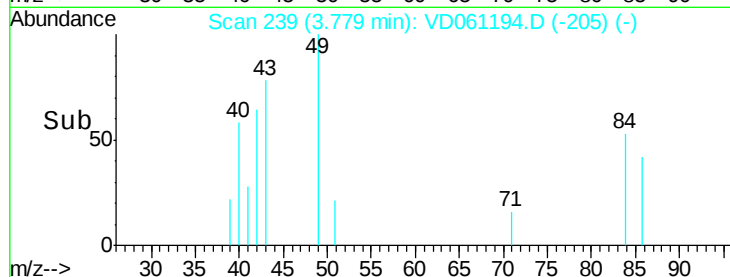
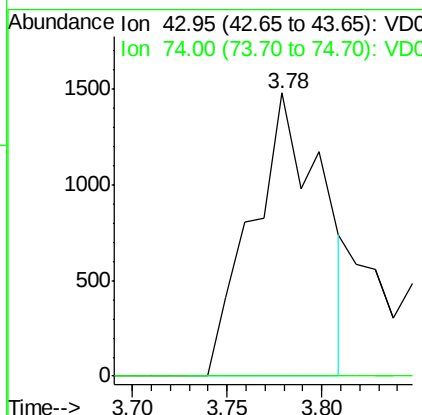
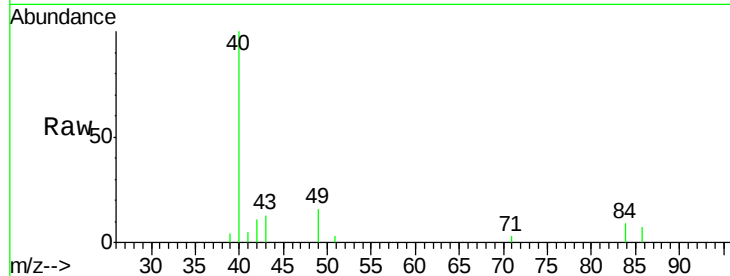




#18
Methvl Acetate
Concen: 1.676 ug/l
RT: 3.78 min Scan# 239
Delta R.T. 0.13 min
Lab File: VD061194.D
Acq: 19 Mar 2019 19:24

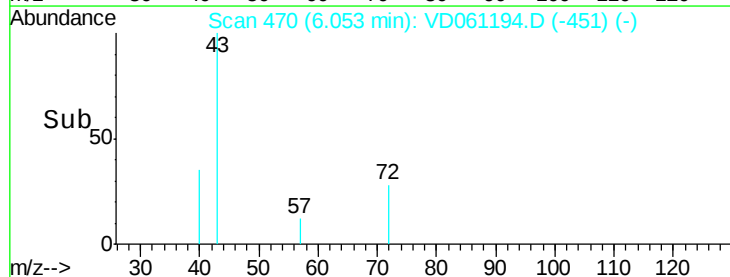
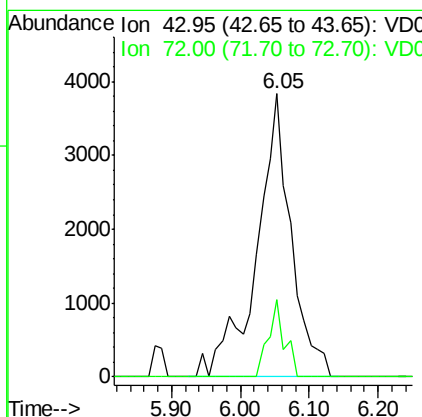
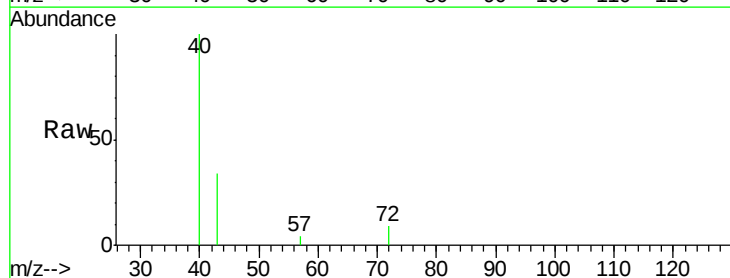
Instrument :
MSVOA_D
ClientSampleId :
SB-2(10-11)RE

Tot Ion: 43 Resp: 3791
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#25
2-Butanone
Concen: 10.260 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.02 min
Lab File: VD061194.D
Acq: 19 Mar 2019 19:24

Tgt Ion: 43 Resp: 13381
Ion Ratio Lower Upper
43 100
72 27.5 16.7 25.1#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061194.D

Acq: 19 Mar 2019 19:24

Instrument :

MSVOA_D

ClientSampleId :

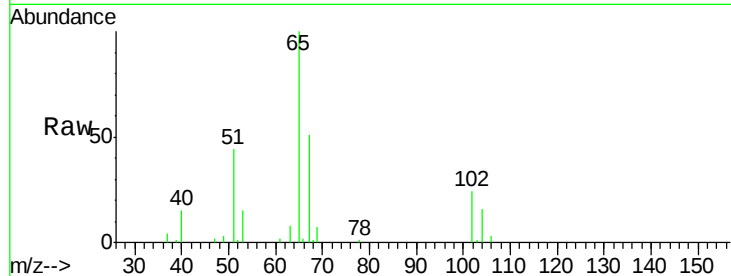
SB-2(10-11)RE

Tot Ion: 65 Resp: 214639

Ion Ratio Lower Upper

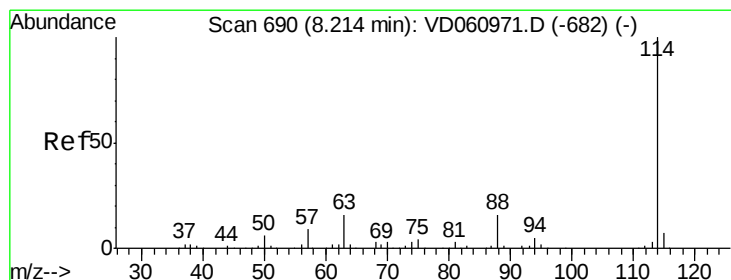
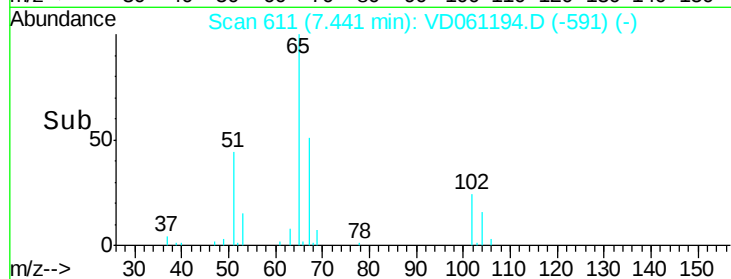
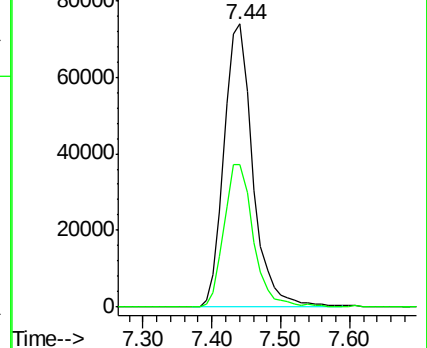
65 100

67 50.5 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.02 min

Lab File: VD061194.D

Acq: 19 Mar 2019 19:24

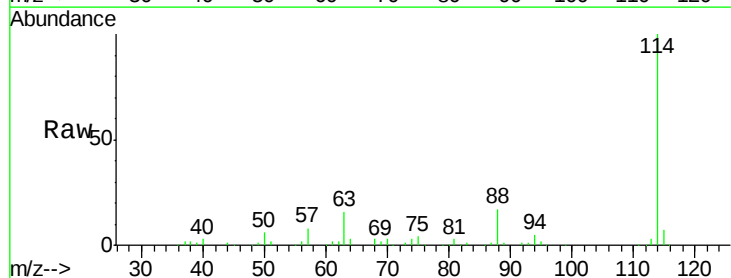
Tgt Ion: 114 Resp: 783695

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.4

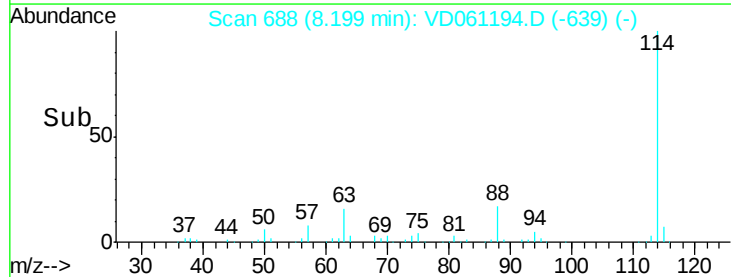
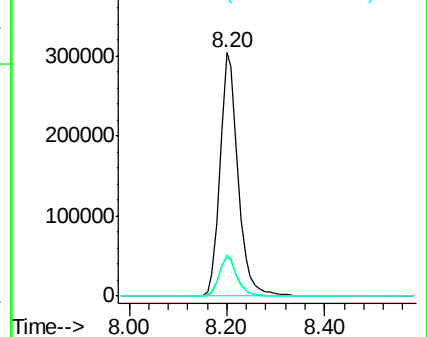
88 17.1 0.0 33.0

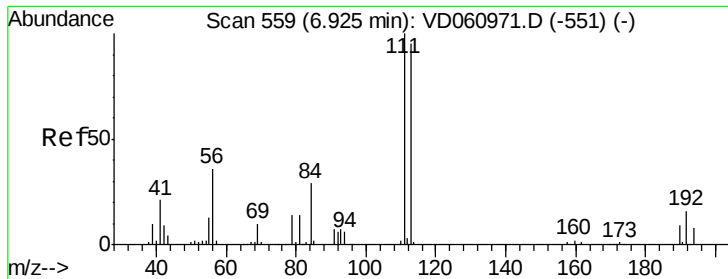


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

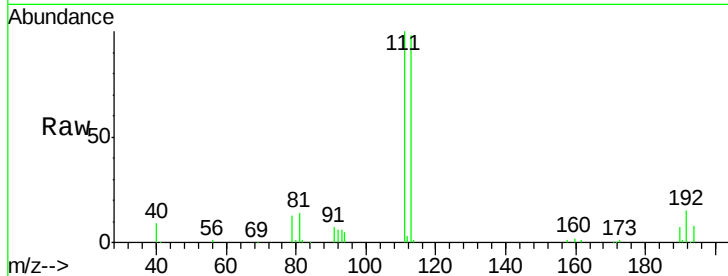




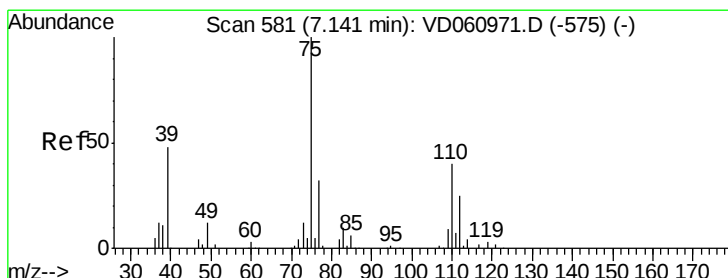
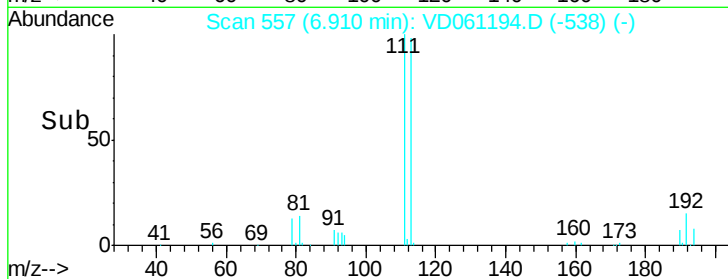
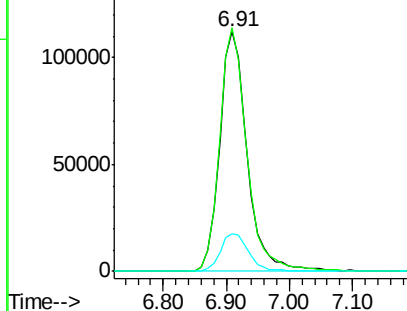
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD061194.D
 Acq: 19 Mar 2019 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2(10-11)RE

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	84.2	126.4
192	15.5	13.1	19.7

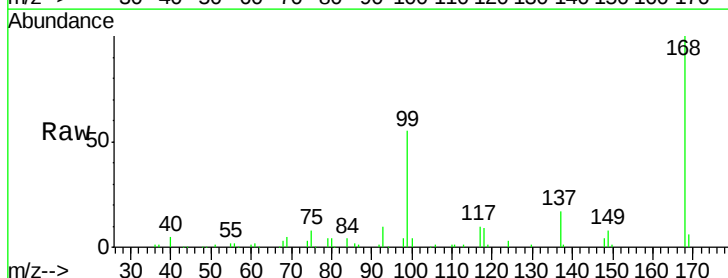


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

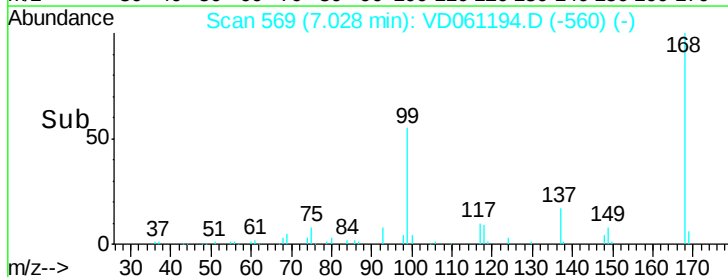
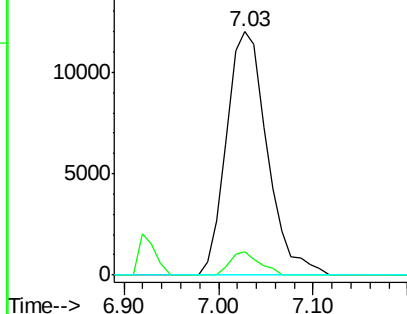


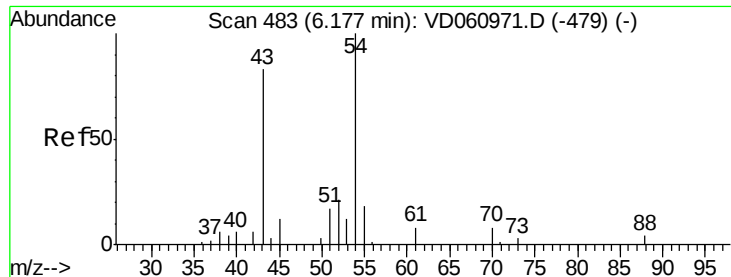
#36
 1,1-Dichloropropene
 Concen: 5.292 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.11 min
 Lab File: VD061194.D
 Acq: 19 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	19.7	59.1#
77	0.0	24.7	37.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 3.617 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.12 min

Lab File: VD061194.D

Acq: 19 Mar 2019 19:24

Instrument :

MSVOA_D

ClientSampleId :

SB-2(10-11)RE

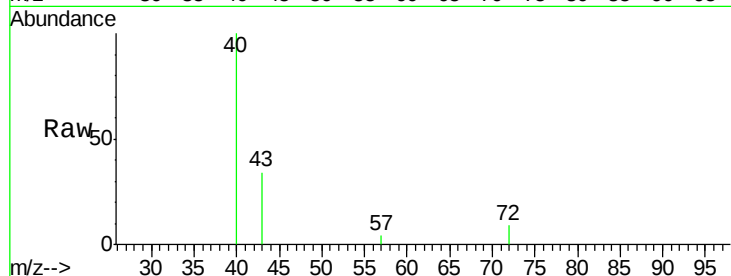
Tot Ion: 43 Resp: 11467

Ion Ratio Lower Upper

43 100

61 0.0 13.7 20.5#

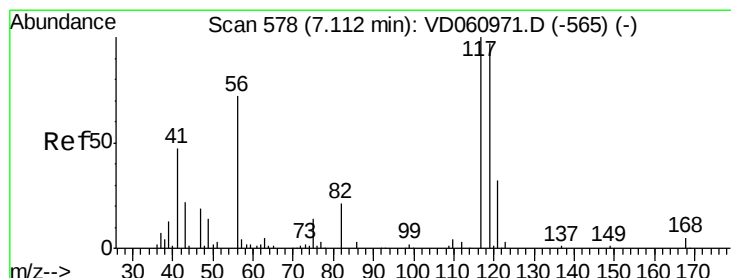
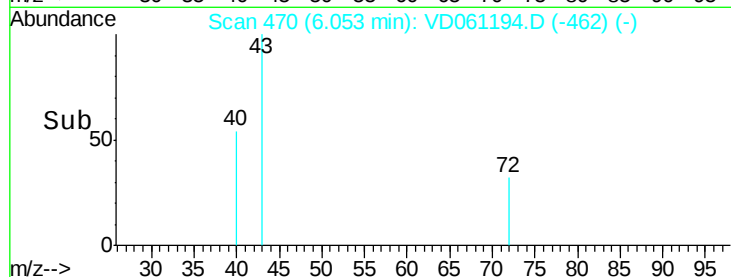
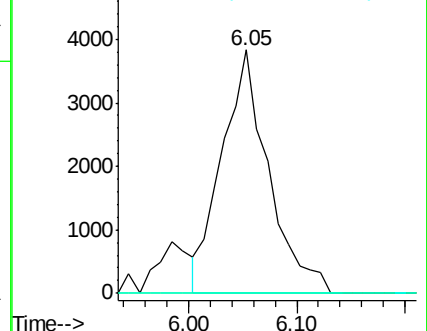
70 0.0 7.1 10.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 6.170 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.07 min

Lab File: VD061194.D

Acq: 19 Mar 2019 19:24

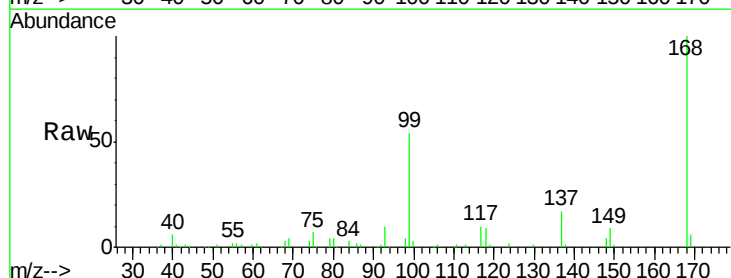
Tgt Ion: 117 Resp: 45910

Ion Ratio Lower Upper

117 100

119 5.6 77.8 116.8#

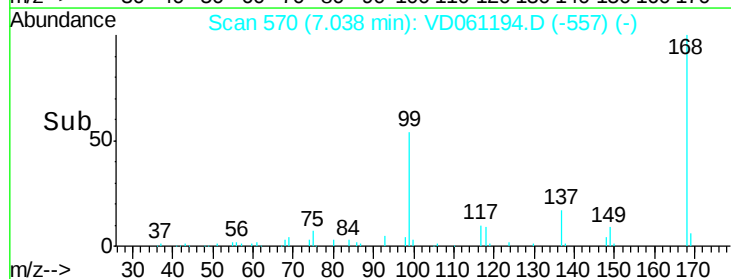
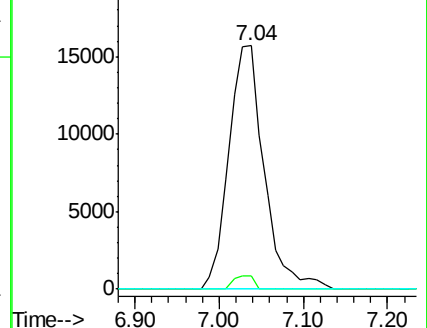
121 0.0 25.3 37.9#

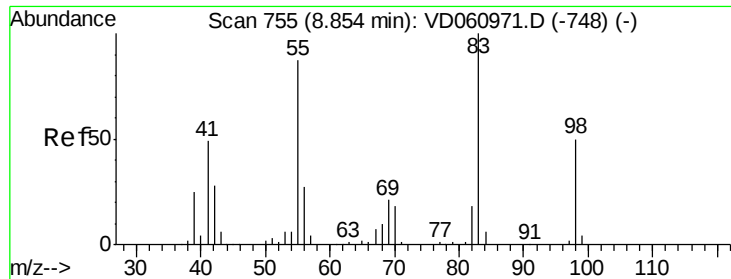


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

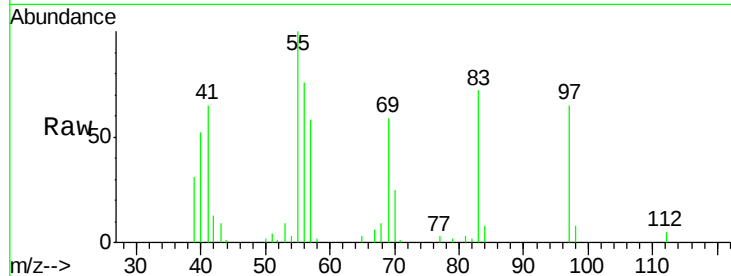




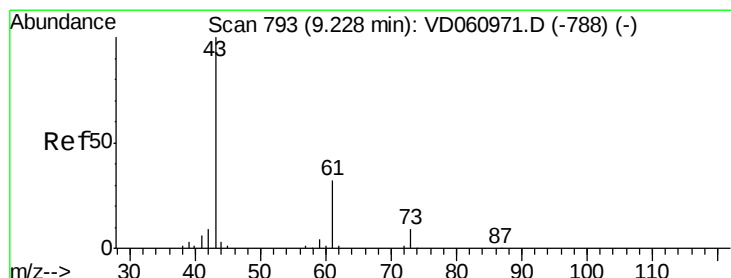
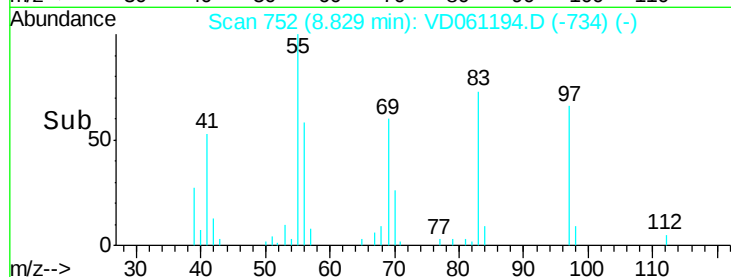
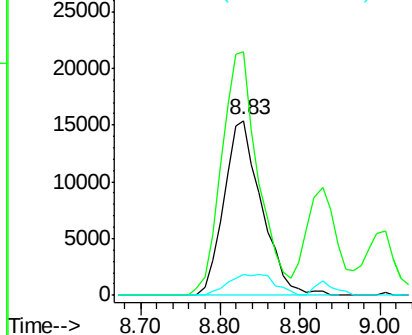
#39
Methylcyclohexane
Concen: 7.243 ug/l
RT: 8.83 min Scan# 752
Delta R.T. -0.03 min
Lab File: VD061194.D
Acq: 19 Mar 2019 19:24

Instrument :
MSVOA_D
ClientSampleId :
SB-2(10-11)RE

Tot Ion: 83 Resp: 50738
Ion Ratio Lower Upper
83 100
55 139.5 69.6 104.4#
98 11.7 40.0 60.0#

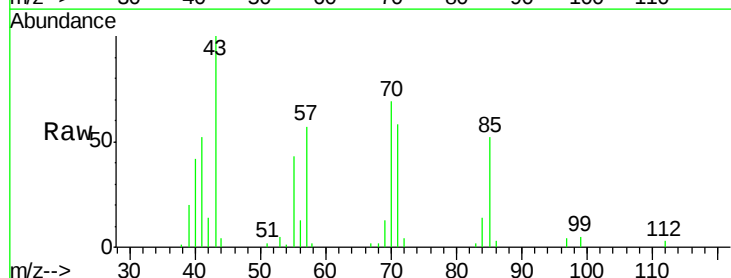


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

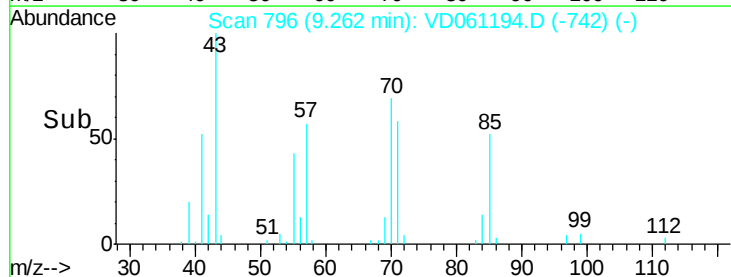
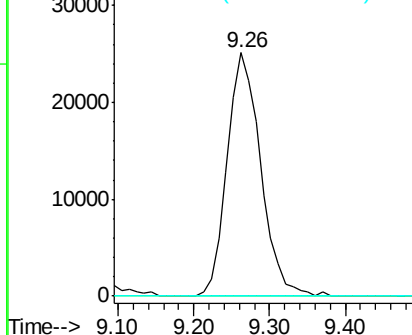


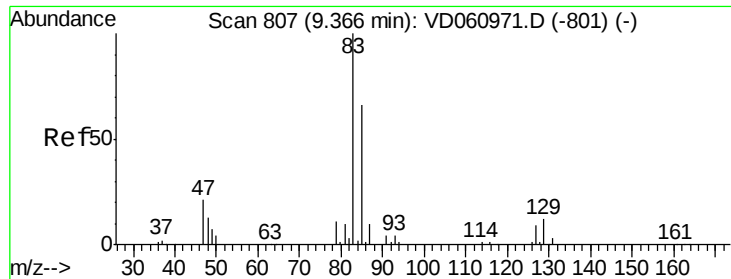
#43
Isopropyl Acetate
Concen: 17.515 ug/l
RT: 9.26 min Scan# 796
Delta R.T. 0.03 min
Lab File: VD061194.D
Acq: 19 Mar 2019 19:24

Tgt Ion: 43 Resp: 76901
Ion Ratio Lower Upper
43 100
61 0.0 25.6 38.4#
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC





#47

Bromodichloromethane

Concen: 1.063 ug/l

RT: 9.30 min Scan# 800

Delta R.T. -0.06 min

Lab File: VD061194.D

Acq: 19 Mar 2019 19:24

Instrument :

MSVOA_D

ClientSampleId :

SB-2(10-11)RE

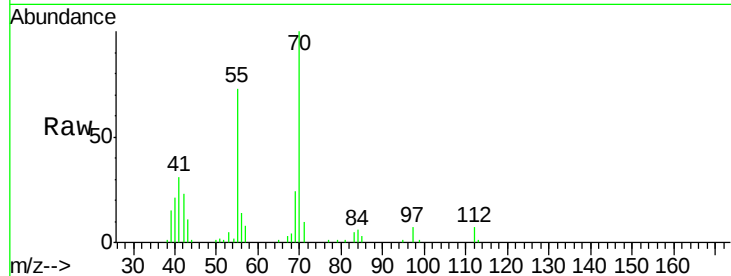
Tot Ion: 83 Resp: 6747

Ion Ratio Lower Upper

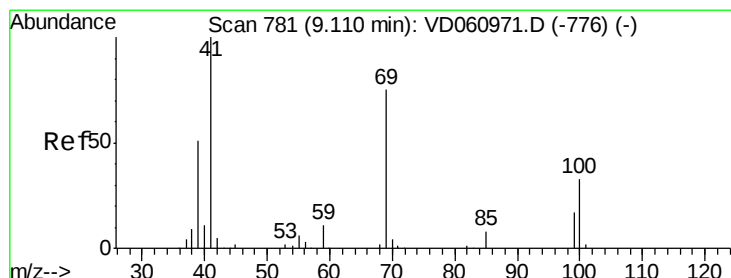
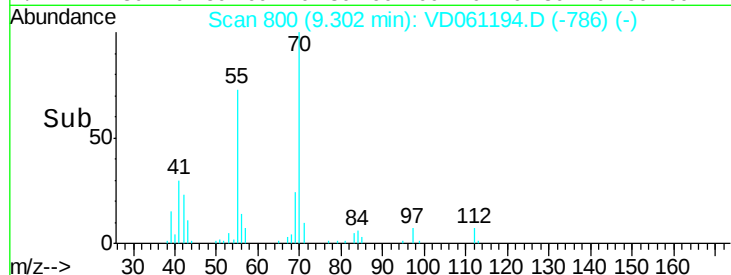
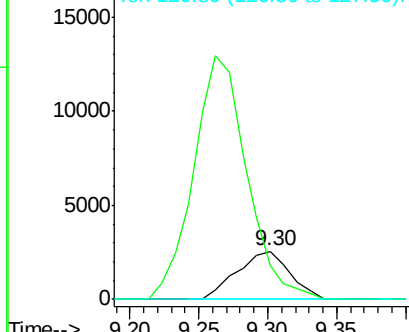
83 100

85 69.5 52.5 78.7

127 0.0 7.5 11.3#



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.187 ug/l

RT: 9.00 min Scan# 769

Delta R.T. -0.11 min

Lab File: VD061194.D

Acq: 19 Mar 2019 19:24

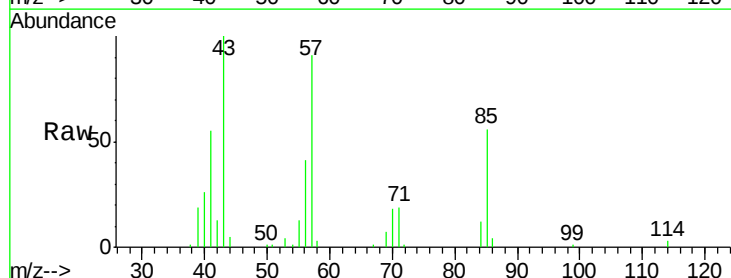
Tgt Ion: 41 Resp: 52376

Ion Ratio Lower Upper

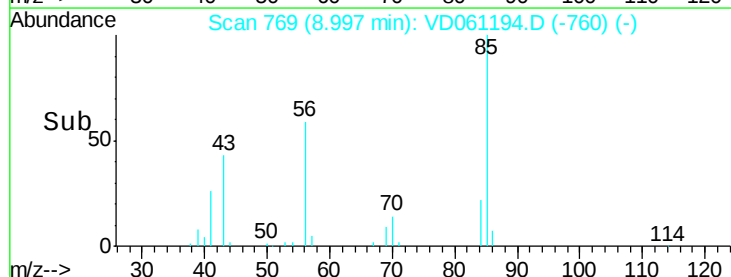
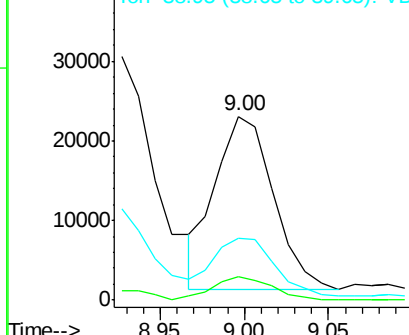
41 100

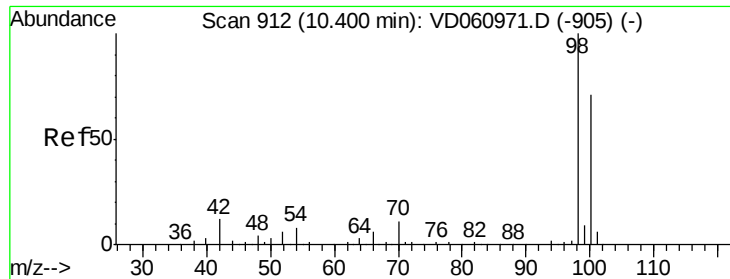
69 12.5 59.9 89.9#

39 34.0 40.9 61.3#



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

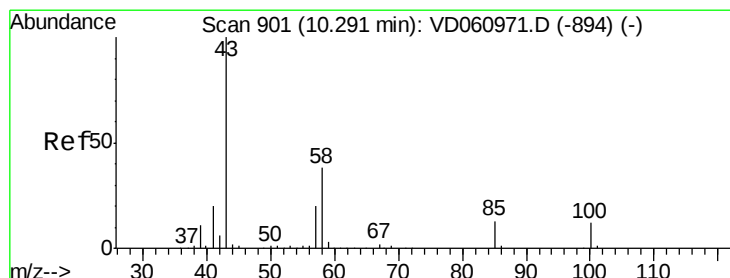
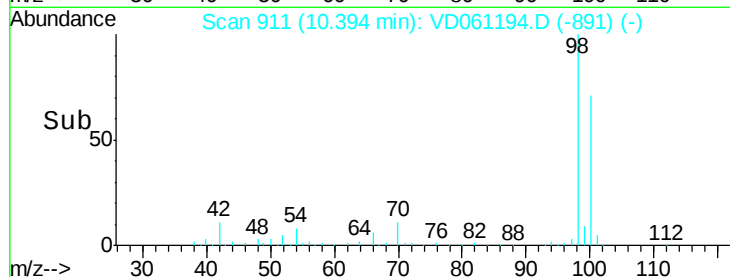
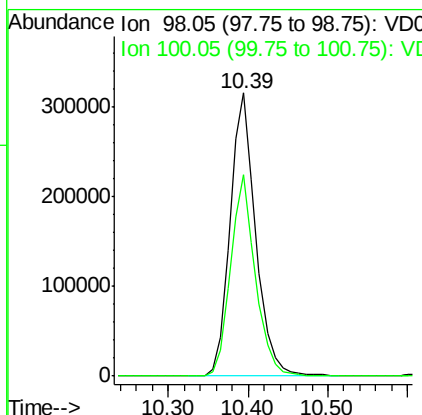
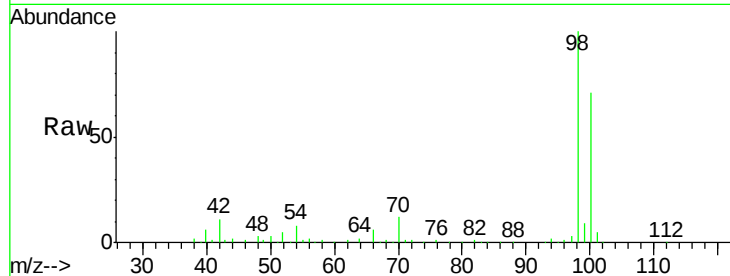




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061194.D
Acq: 19 Mar 2019 19:24

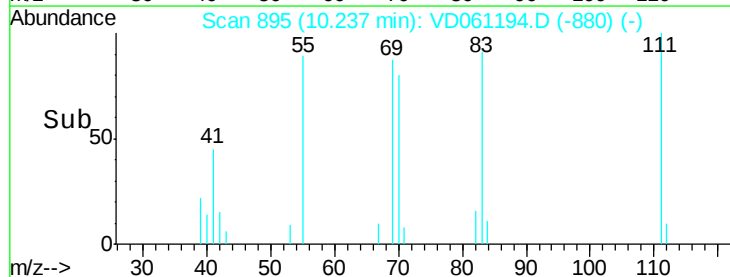
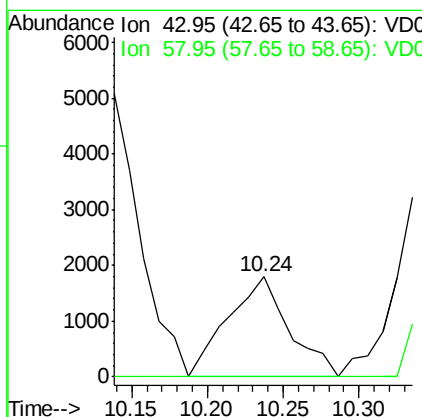
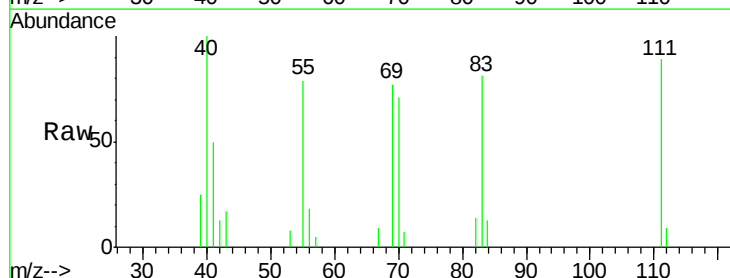
Instrument :
MSVOA_D
ClientSampleId :
SB-2(10-11)RE

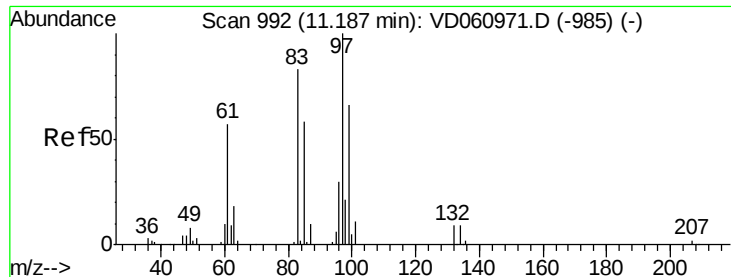
Tot Ion: 98 Resp: 707401
Ion Ratio Lower Upper
98 100
100 71.0 57.4 86.2



#51
4-Methyl-2-Pentanone
Concen: 1.883 ug/l
RT: 10.24 min Scan# 895
Delta R.T. -0.05 min
Lab File: VD061194.D
Acq: 19 Mar 2019 19:24

Tgt Ion: 43 Resp: 5065
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#

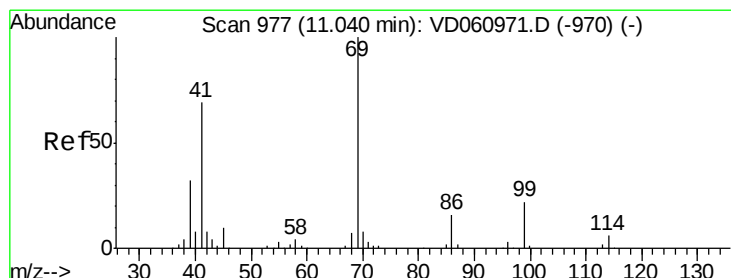
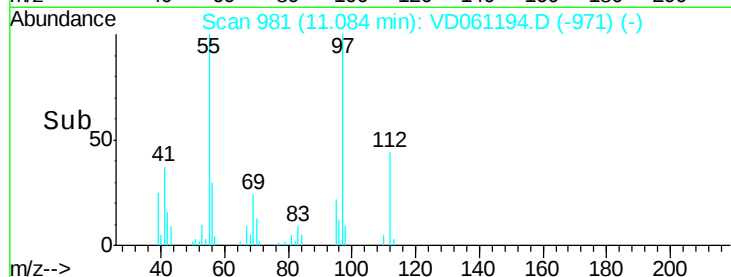
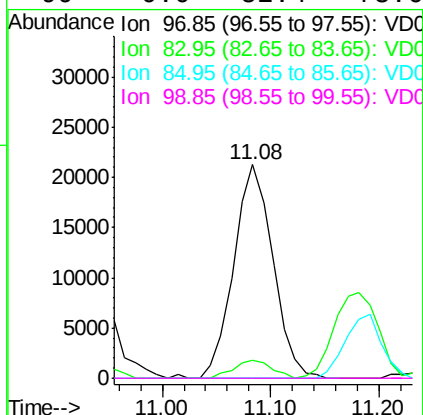
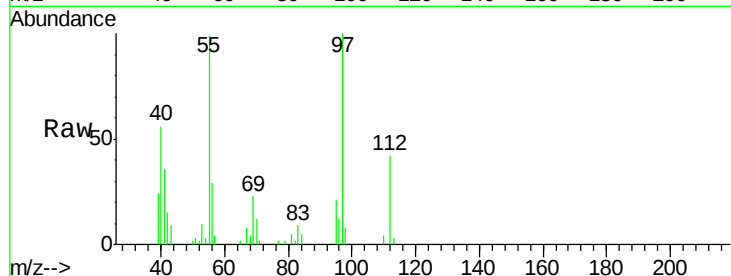




#55
 1,1,2-Trichloroethane
 Concen: 15.329 ug/l
 RT: 11.08 min Scan# 981
 Delta R.T. -0.10 min
 Lab File: VD061194.D
 Acq: 19 Mar 2019 19:24

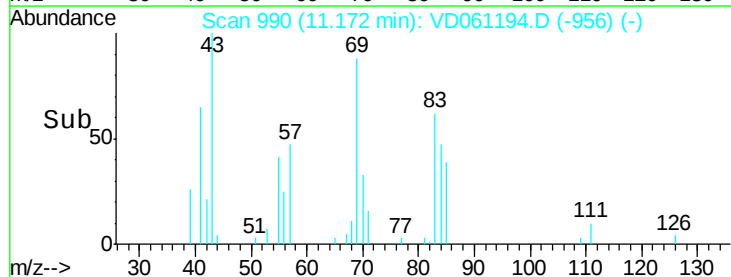
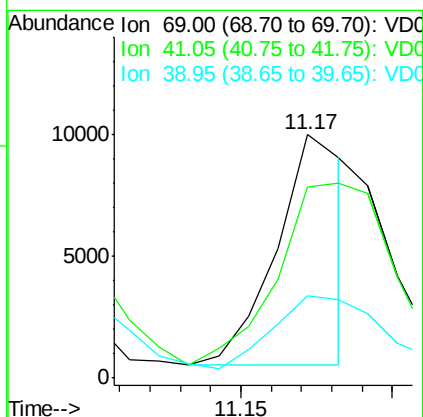
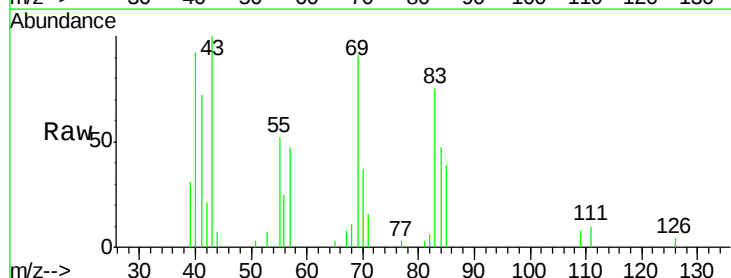
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2(10-11)RE

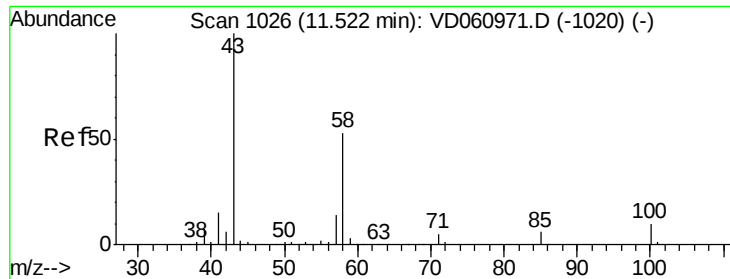
Tot Ion: 97 Resp: 53584
 Ion Ratio Lower Upper
 97 100
 83 8.6 66.6 100.0#
 85 0.0 46.4 69.6#
 99 0.0 52.4 78.6#



#56
 Ethyl methacrylate
 Concen: 4.062 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. 0.13 min
 Lab File: VD061194.D
 Acq: 19 Mar 2019 19:24

Tgt Ion: 69 Resp: 14862
 Ion Ratio Lower Upper
 69 100
 41 78.5 55.5 83.3
 39 33.8 26.2 39.2

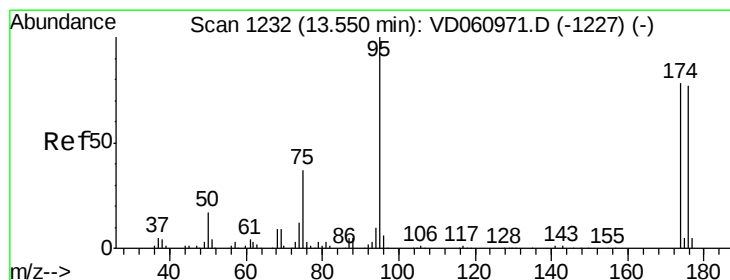
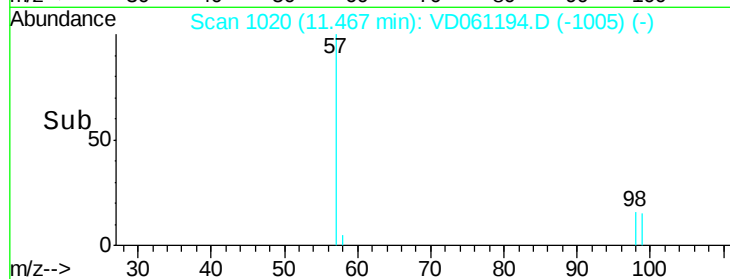
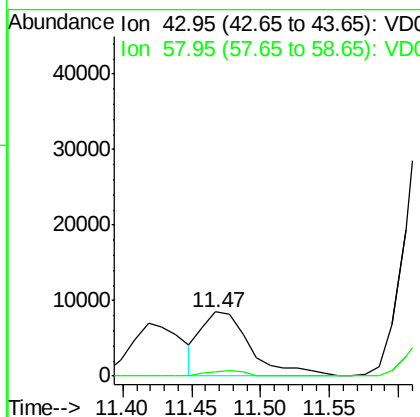
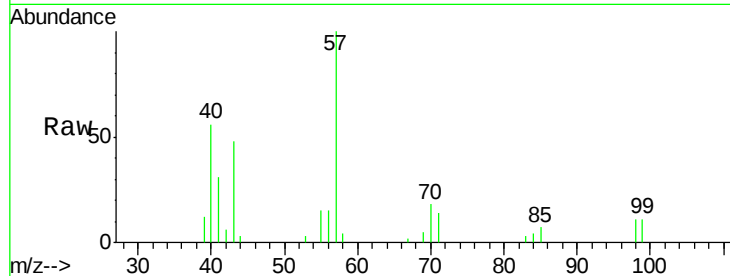




#59
2-Hexanone
Concen: 10.808 ug/l
RT: 11.47 min Scan# 1020
Delta R.T. -0.05 min
Lab File: VD061194.D
Acq: 19 Mar 2019 19:24

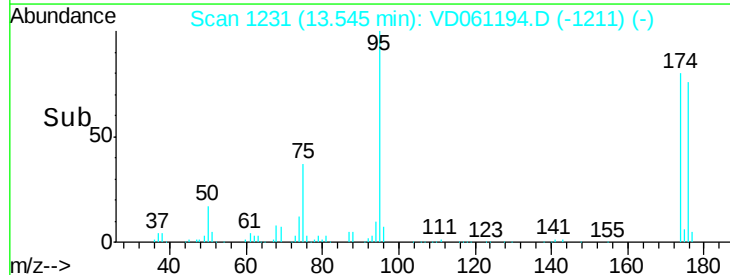
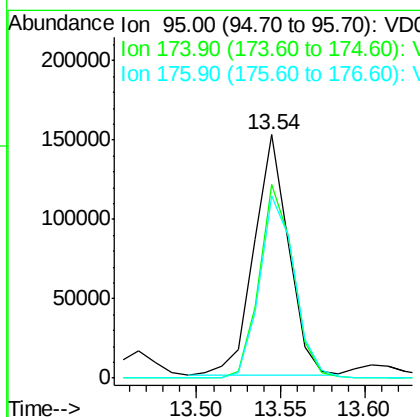
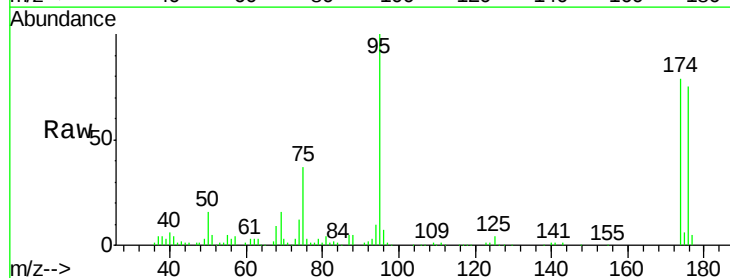
Instrument :
MSVOA_D
ClientSampleId :
SB-2(10-11)RE

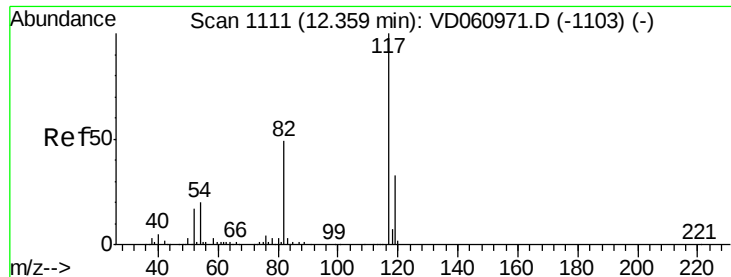
Tot Ion: 43 Resp: 21265
Ion Ratio Lower Upper
43 100
58 7.4 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD061194.D
Acq: 19 Mar 2019 19:24

Tgt Ion: 95 Resp: 216336
Ion Ratio Lower Upper
95 100
174 79.4 0.0 155.6
176 74.9 0.0 153.8

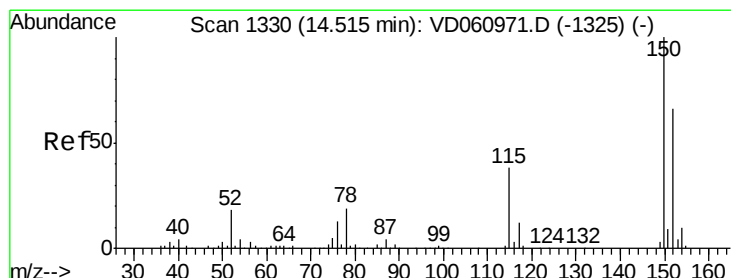
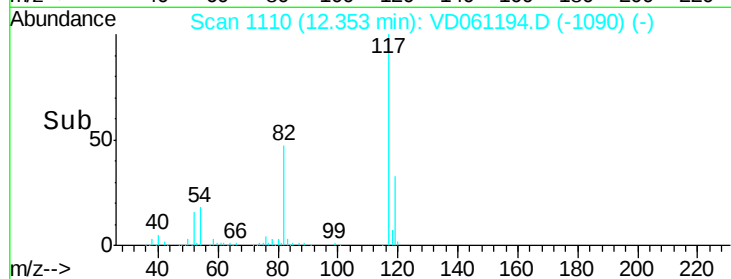
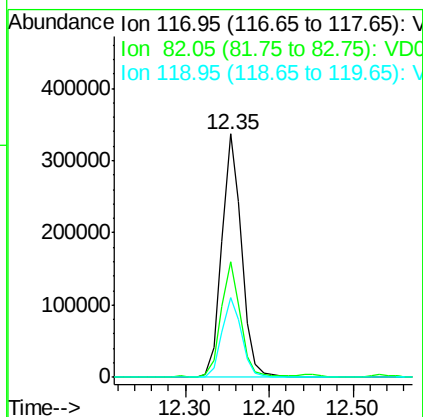
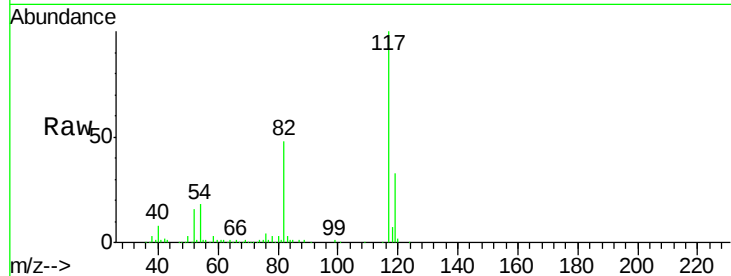




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061194.D
Acq: 19 Mar 2019 19:24

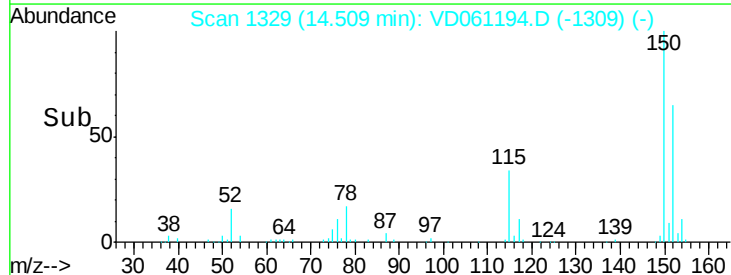
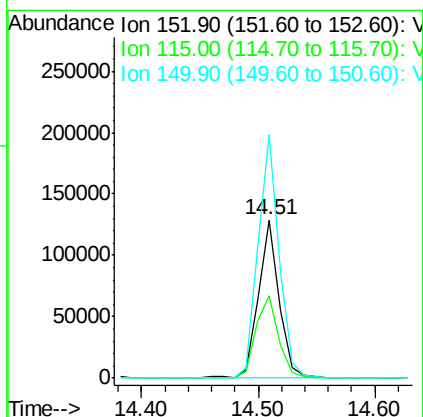
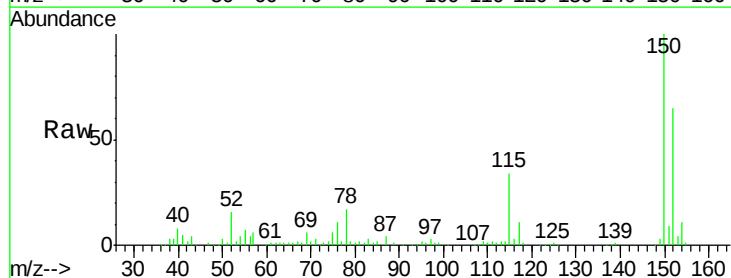
Instrument :
MSVOA_D
ClientSampleId :
SB-2(10-11)RE

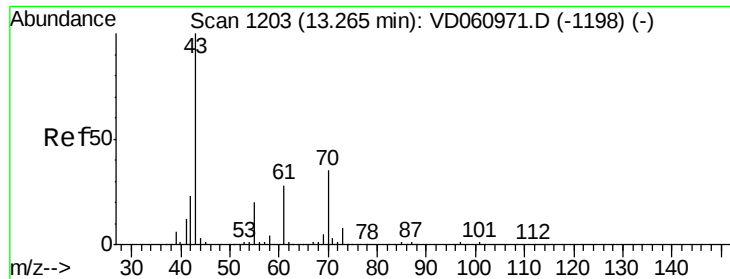
Tot Ion:117 Resp: 544436
Ion Ratio Lower Upper
117 100
82 47.6 38.9 58.3
119 32.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061194.D
Acq: 19 Mar 2019 19:24

Tgt Ion:152 Resp: 156815
Ion Ratio Lower Upper
152 100
115 52.0 28.6 85.9
150 154.1 0.0 310.6





#74

N-amvl acetate

Concen: 10.126 ug/l

RT: 13.29 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD061194.D

Acq: 19 Mar 2019 19:24

Instrument :

MSVOA_D

ClientSampleId :

SB-2(10-11)RE

Tot Ion: 43 Resp: 32224

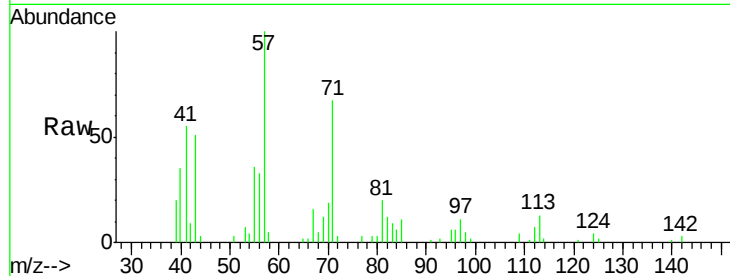
Ion Ratio Lower Upper

43 100

70 37.5 27.7 41.5

55 70.1 16.2 24.2#

61 0.0 22.3 33.5#

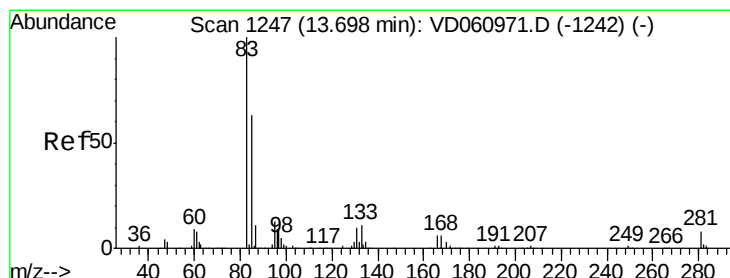
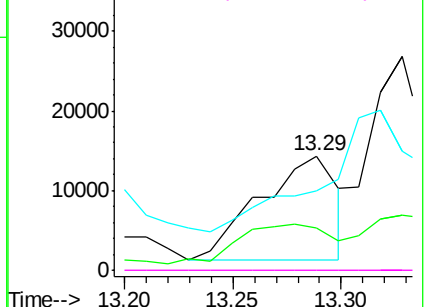
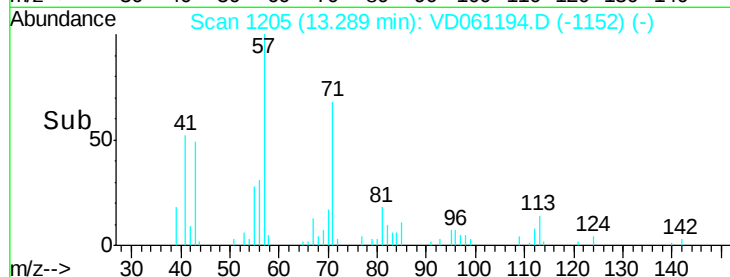


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 9.400 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061194.D

Acq: 19 Mar 2019 19:24

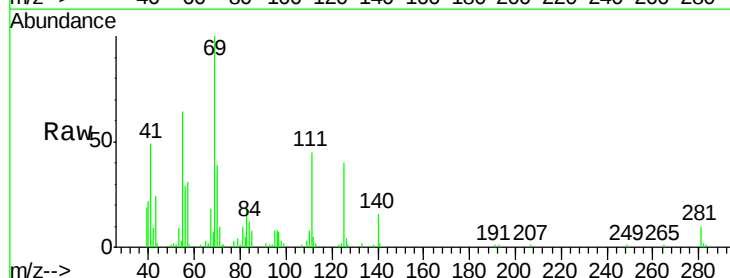
Tgt Ion: 83 Resp: 20726

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

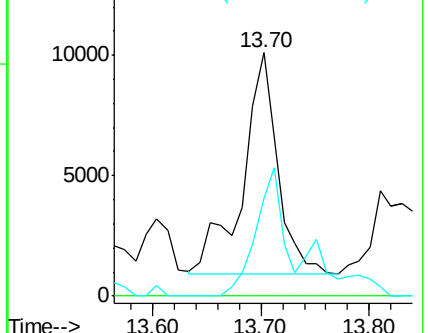
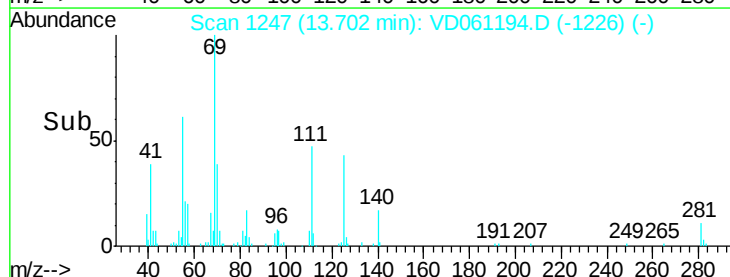
85 40.2 31.5 94.5

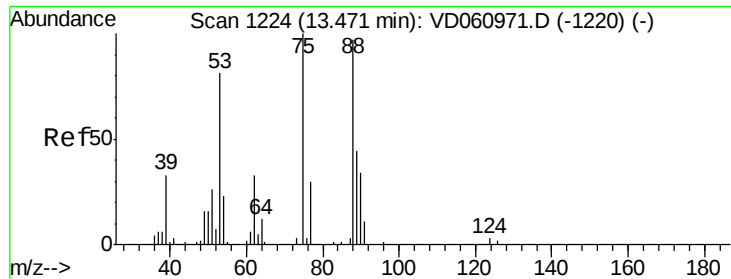


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 113.748 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061194.D

Acq: 19 Mar 2019 19:24

Instrument :

MSVOA_D

ClientSampleId :

SB-2(10-11)RE

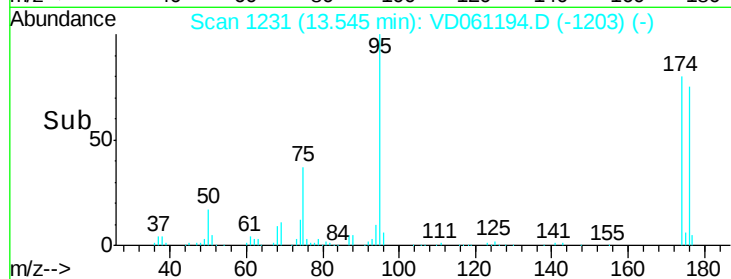
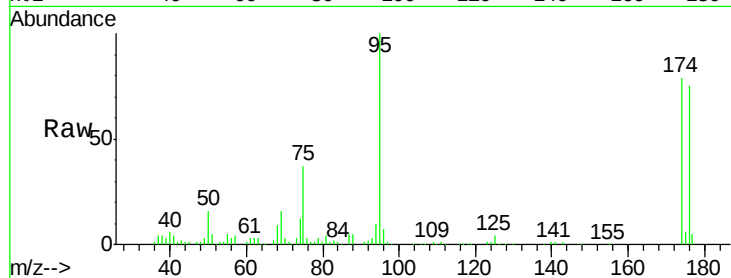
Tot Ion: 75 Resp: 75658

Ion Ratio Lower Upper

75 100

53 1.9 64.4 96.6#

89 0.0 34.8 52.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

